



REPUBLIC OF TURKEY  
THE MINISTRY OF  
ENVIRONMENT AND URBANISM

**2019  
CONSTRUCTION  
AND INSTALLATION  
UNIT PRICES**

DIRECTORATE OF HIGHER TECHNICAL BOARD  
SINCE 1934



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

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NOTLAR / NOTES:

- 1- “Bu kitap; Çevre ve Şehircilik Bakanlığı Yüksek Fen Kurulu Başkanlığı yayımı olan “İnşaat ve Tesisat Birim Fiyatları ” dokümanları esas alınarak İngilizce’ye çevirisi yapılmıştır. İngilizce yayının anlaşılmasında, yorumlanmasında ve anlaşmazlıklarda “İnşaat ve Tesisat Birim Fiyatları”nın Türkçe metni esas alınır.”

“This book was translated based on the “İnşaat ve Tesisat Birim Fiyatları” (Construction and Installation Unit Prices) documents published by the Ministry of Environment and Urbanism Directorate of Higher Technical Board. The Turkish version of the “Construction and Installation Unit Prices” document shall prevail in understanding and interpreting the English version and resolving any discrepancies.“

- 2- “İnşaat ve Tesisat Birim Fiyatları dokümanları içerisinde yer alan tüm malzeme ve ürünler standartlara uygun olup, Türkiye’den temin edilebilir.”

“All materials and products in the documents "Construction and Installation Unit Prices shall be in compliance with the standards and can be procured from Turkey.“



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**LABOR AND EQUIPMENT  
MARKET PRICE LISTS FOR  
THE UNIT PRICES FOR CONSTRUCTION  
WORKS**

**2019**



## GENERAL PROVISIONS AND EXPLANATIONS FOR MARKET PRICES

1- Prepared as per Article 97, Paragraph 1, Point (k) regarding the Organization and Duties of Our Ministry of the Presidential Decree no. 1 on the Organization of the President's Office.

2- In case of a later change in the market price standards applied, the latest versions of the standards in effect shall apply. Furthermore, they have to be supplied to the market securely in compliance with the latest legislation in effect.

3- The materials and products in this list shall be used in compliance with the relevant legislations of Environment, Health, Occupational Safety, Fire, Structural Materials and similar other legislation. If the list does not refer to the relevant legislation or if there are hesitations as to the referred legislation, the legislation in effect shall be applicable.

4- The unit prices published and updated on an annual basis by our Ministry shall be taken as basis as per the following statement in the article 17, paragraph 9 of the Law No. 6446 on the Electricity Market:

As per the provision "Unit prices for ground destruction which may arise from the infrastructure works shall not exceed the unit prices published by the Ministry of Environment and Urbanization," unit prices updated and published every year by our Ministry shall apply in determining the cost of ground destruction. Nevertheless, if the unit prices to be taken into consideration are not available in the unit price lists of our Ministry, the unit prices of the General Directorate of Highways, the General Directorate of İlbank A.Ş. and the General Directorate of State Hydraulic Works shall be taken as basis in the order of priority mentioned herein.

5- The Unit Prices of our Ministry shall be effective from 1 January 2019, and the administrations shall update the prices for preparing an approximate cost in accordance with the "TÜİK Table of Construction Cost Index and Rates of Change" as specified in the paragraph 11/3 of the Regulation on Application of the Tenders for Construction Works.

6- In case there are printer's and material errors in those lists, the latest values as may be corrected by the Ministry of Environment and Urbanism shall be taken as basis, and the amendments made accordingly shall be published in the page of the Directorate of Technical Board on [www.csb.gov.tr](http://www.csb.gov.tr) or directly on <https://yfk.csb.gov.tr/>.

7- Market prices with more recent item numbers, if any, shall be used for the market prices with amended item numbers in market price lists.

8- The values given in such lists do not include VAT and the contractor's overheads and profit.

(Effective 1 January 2019.)

**Market Prices for Labor**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>LABOR</b>		
10.100.1001	Master stonemason	h	15,70
10.100.1002	Master floor tiler	h	15,70
10.100.1003	Master floor-and-wall tiler	h	15,70
10.100.1004	Master ceramic tiler	h	15,70
10.100.1005	Master marble tiler	h	15,70
10.100.1006	Master marble cutter	h	15,70
10.100.1007	Master mosaic tiler	h	15,70
10.100.1008	Master joiner	h	15,70
10.100.1009	Master carpenter	h	15,70
10.100.1010	Master of insulation	h	15,70
10.100.1011	Blaster (Blasting expert)	h	15,70
10.100.1012	Master plasterer	h	15,70
10.100.1013	Master bricklayer	h	15,70
10.100.1014	Master paver	h	15,70
10.100.1015	Concrete master	h	15,70
10.100.1016	Roof tiler	h	15,70
10.100.1017	Master builder	h	15,70
10.100.1018	Master blacksmith	h	15,70
10.100.1019	Master steel fixer	h	15,70
10.100.1020	Plasterboard master	h	15,70
10.100.1021	Master welder	h	15,70
10.100.1022	Master glazer	h	15,70
10.100.1023	Master painter	h	15,70
10.100.1024	Master whitewasher	h	15,70
10.100.1025	Master upholsterer	h	15,70
10.100.1026	Master tinsmith	h	15,70
10.100.1027	Master turner	h	15,70
10.100.1028	Master linoleum layer	h	15,70
10.100.1029	Master varnisher	h	15,70
10.100.1030	Timberman (does shoring work)	h	15,70
10.100.1031	Master coppersmith	h	15,70
10.100.1032	Master aluminum worker	h	15,70
10.100.1033	Gypsum board master	h	15,70
10.100.1034	Gypsum block master	h	15,70
10.100.1035	Scaffolding Construction Worker	h	15,70
10.100.1036	Panel Roofer	h	15,70
10.100.1037	Concrete Pump Operator	h	18,50
10.100.1038	Gypsum board master's helper	h	11,70
10.100.1039	Master mosaic tiler's helper	h	11,70
10.100.1040	Gypsum block master's helper	h	11,70
10.100.1041	Master carpenter's helper	h	11,70
10.100.1042	Master of insulation's helper	h	11,70
10.100.1043	Plasterboard master's helper	h	11,70
10.100.1044	Master plasterer's helper	h	11,70
10.100.1045	Master bricklayer's helper	h	11,70
10.100.1046	Master blacksmith's helper	h	11,70



**Market Prices for Labor**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
10.100.1047	Master steel fixer's helper	h	11,70
10.100.1048	Master varnisher's helper	h	11,70
10.100.1049	Master pipefitter's assistant	h	11,70
10.100.1050	Master pipefitter	h	15,70
10.100.1051	Driver	h	16,00
10.100.1052	Heavy truck driver	h	18,15
10.100.1053	Chief machinist repairman	h	23,10
10.100.1054	Machinist	h	16,00
10.100.1055	Machine operator	h	18,45
10.100.1056	Assistant machinist	h	12,85
10.100.1057	Assistant operator	h	15,10
10.100.1058	Assistant driver	h	12,40
10.100.1059	Greaser	h	11,70
10.100.1060	Foreman	h	23,10
10.100.1061	Surveyor	h	17,15
10.100.1062	Unskilled worker (Construction worker)	h	11,50
10.100.1063	Expert laborer	h	12,25
10.100.1064	Apprentice	h	11,50
10.100.1065	Overseer	h	11,70
10.100.1066	Tinsmith's helper	h	11,70
10.100.1067	Tunnel timberman	h	15,35
10.100.1068	First class master	h	15,70
10.100.1069	First class master's helper	h	11,70
10.100.1070	Second class master	h	14,85
10.100.1071	Second class master's helper	h	11,55
10.100.1072	Pulverizer operator	h	13,85
10.100.1073	Shotcrete (applies concrete by a lance)	h	13,85
10.100.1074	Master gardener and sapling expert	h	13,85
10.100.1075	Runway concrete pavement master (for airport construction)	h	15,70
10.100.1076	Chief driller	h	19,60
10.100.1077	Driller	h	19,10
10.100.1078	Pump technician	h	18,45
10.100.1079	Cook	h	17,00
10.100.1080	Assistant cook	h	14,85
10.100.1081	Master electrician	h	15,70
10.100.1082	Master installer	h	15,70
10.100.1083	Master electrician's helper	h	11,70
10.100.1084	Master installer's helper	h	11,70
10.100.1085	Tower crane operator	h	24,60
	<b>PORT CONSTRUCTION (EXCLUDING ALL BUILDING CONSTRUCTION)</b>		
10.100.1501	Dredger captain (close route captain)	h	27,30
10.100.1502	Dredger chief machinist	h	23,40
10.100.1503	Dredging expert	h	31,90
10.100.1504	Tugboat captain (Tugboat skipper)	h	21,30
10.100.1505	Tugboat machinist (Engineer)	h	21,30
10.100.1506	Self-propelled stone and mud collection barge captain (Port captain)	h	21,30

### Market Prices for Labor

ITEM NO	DESCRIPTION	UNIT OF MEASURE	MARKET PRICE (TRY)
10.100.1507	Self-propelled stone and mud collection barge machinist (Engineer)	h	20,00
10.100.1508	Floating crane operator	h	20,00
10.100.1509	Dredger mate (Tugboat skipper)	h	20,00
10.100.1510	Dredger second machinist (Engineer)	h	22,90
10.100.1511	Boatswain	h	15,30
10.100.1512	Donkeyman	h	15,30
10.100.1513	Able seaman	h	14,50
10.100.1514	Ship greaser	h	14,50
10.100.1515	Diver's guide	h	14,50
10.100.1516	Chief cook	h	14,50
10.100.1517	Ship stoker	h	14,50
10.100.1518	Steward	h	13,15
10.100.1519	Sailor (Crew)	h	13,15
10.100.1520	Ship cleaner	h	13,15
10.100.1521	Ship assistant cook	h	13,15
10.100.1522	Diver	h	36,60

### Market Prices for Vehicles

ITEM NO	DESCRIPTION	MARKET PRICE (TRY)
	<b>VEHICLES</b>	
10.110.1001	Road carriage composed of three horses or mules (or five donkeys) and a driver (Daily) TRY	100,00
10.110.1002	Carriage coefficient for carts drawn by any kind of animal	60,00
10.110.1003	Motor vehicle carriage coefficient K for any type and tonnage	330,00

**Market Prices for Construction Machinery and Vehicles**

ITEM NO	DESCRIPTION	MARKET PRICE (TRY)
	<b>CONSTRUCTION PLANT AND TOOLS</b>	
10.120.1001	Excavators and dragline machines, 100 HP (1 yd <sup>3</sup> )	325.000,00
10.120.1002	Excavators and dragline machines, 140 HP (1 1/2 yd <sup>3</sup> )	435.000,00
10.120.1003	Excavators and dragline machines, 170 HP (2 yd <sup>3</sup> )	475.000,00
10.120.1004	Excavators with palette, 210 HP (2 1/2 yd <sup>3</sup> )	600.000,00
10.120.1005	Crawler excavator (210 HP) (maximum 2.5 m <sup>3</sup> )	600.000,00
10.120.1006	Excavators and dragline machines, 260 HP (3 yd <sup>3</sup> )	690.000,00
10.120.1007	Excavator (crawler) (260 HP) (max. 2.5 m <sup>3</sup> )	690.000,00
10.120.1008	Excavator backhoe, approximately 125 HP (3/4 - 15/8 yd <sup>3</sup> )	445.000,00
10.120.1009	Excavators with palette (300 HP) (max. 3.5 m <sup>3</sup> )	825.000,00
10.120.1010	Tractor-Scraper (TD 20 or equivalent 111 HP+ Wagon bucket 8 yd <sup>3</sup> )	245.000,00
10.120.1011	Tractor ripper (TD25 or equivalent, 185HP+ Ripper)	540.000,00
10.120.1012	Motor grader (Engine power higher than 80 HP, approximately 9 tons)	250.000,00
10.120.1013	Grader (190-209 HP)	760.000,00
10.120.1014	Grader (210-230 HP)	870.000,00
10.120.1015	Wheel tractor-scraper (approximately HP 24 yd <sup>3</sup> )	1.000.000,00
10.120.1016	Tractor bulldozer (70-HP engine + blade)	170.000,00
10.120.1017	Tractor bulldozer (100-HP engine + blade)	210.000,00
10.120.1018	Tractor bulldozer (160-HP engine + blade)	280.000,00
10.120.1019	Tractor bulldozer (TD 25 or equivalent, 185 HP + blade)	450.000,00
10.120.1020	Tractor bulldozer (285-HP engine + blade)	910.000,00
10.120.1021	Tractor bulldozer (345-HP engine + blade)	1.000.000,00
10.120.1022	Steam- or compressor-powered pile driver in complete form, coupled-automatic and with all accessories included (Approximately 50 HP engine power, 6-ton hammer, able to drive backward with 1/4 inclination, and forward with 1/10 inclination)	620.000,00
10.120.1023	Compressor (210-Cfm compressor + hose and guns)	62.000,00
10.120.1024	Ventilation machine (including 210-Cfm compressor + ventilation pipes and accessories)	70.000,00
10.120.1025	Compressor (250 HP)	215.000,00
10.120.1026	Grouting machine (210-Cfm compressor + injection pipes + supply tank)	71.000,00
10.120.1027	Compressor (250 Cfm + pneumatic pile driver + pneumatic drill + pneumatic nutrunner group + pickup or light duty truck)	87.000,00
10.120.1028	Grouting machine (with approximately 75 HP, 250 cfm capacity, injection pipes, supply tank)	15.000,00
10.120.1029	Excavator loader (100 HP) (maximum 2.5 m <sup>3</sup> )	285.000,00
10.120.1030	Loader (1 1/2 yd <sup>3</sup> or 5500 lbs load carrying capacity, equivalent to approximately 80 HP, wheel)	165.000,00
10.120.1031	Loader (wheel) (100 HP) (maximum 2 m <sup>3</sup> )	230.000,00
10.120.1032	Loader (traxcavator) (1 1/2 yd <sup>3</sup> approximately 56 HP) (Crawler)	340.000,00
10.120.1033	Concrete mixer (approximately 250 liters including engine)	11.000,00
10.120.1034	Concrete mixer (approximately 500 liters including engine)	11.000,00
10.120.1035	Concrete mixer (approximately 1000 liters including engine)	32.000,00

**Market Prices for Construction Machinery and Vehicles**

ITEM NO	DESCRIPTION	MARKET PRICE (TRY)
10.120.1036	Concrete mixer (approximately 1000 liters including engine, semi-automatic)	33.000,00
10.120.1037	Mosaic floor grinding machine (Gasoline-powered)	4.400,00
10.120.1038	Road line remover machine (7.5 HP, bicycle type)	45.000,00
10.120.1039	Sandblasting machine complete with all accessories	8.000,00
10.120.1040	Concrete vibrator (4 HP)	8.000,00
10.120.1041	Vibrator completely operating with a compressor	25.000,00
10.120.1042	Rock crusher (120 to 150 m <sup>3</sup> /h - 215 HP)	780.000,00
10.120.1043	Sieving machine (Approximately 70 HP, 3 or 4 stages, 100 m <sup>3</sup> /h capacity, vibrated, drawn type)	63.000,00
10.120.1044	Sieving machine, 70 HP, 100 m <sup>3</sup> /h	63.000,00
10.120.1045	Elevator, approximately 15 HP, 10 to 18 m length and 60 cm belt width	13.500,00
10.120.1046	Elevator, approximately 25 HP, 18 to 24 m length and 60 cm belt width	30.000,00
	<b>Approximately 50 MSS (total pumping head as meter) vertical-shaft deep well pumps with a dish, column group, threaded head and diesel engine</b>	
10.120.1047	Ø: 0 to 10 lt/sec (including 10)	11.250,00
10.120.1048	Ø: 10 to 20 lt/sec (including 20)	15.000,00
10.120.1049	Ø: 20 to 40 lt/sec (including 40)	18.500,00
10.120.1050	Ø: 40 to 80 lt/sec (including 80)	34.250,00
	<b>Note: The price shall be raised by 20 percent for each extra 10 m of MSS.</b>	
10.120.1051	Water pump (5 PS power, approximately 50 mm in diameter)	1.400,00
10.120.1052	Water pump (10 HP)	2.150,00
10.120.1053	Water pump (15 PS power, approximately 100 mm in diameter)	3.300,00
10.120.1054	Water pump (20 PS power, approximately 125 mm in diameter)	5.600,00
10.120.1055	Water pump (30 PS power, approximately 135 mm in diameter)	11.250,00
10.120.1056	Water pump (45 PS power, approximately 150 mm in diameter)	15.750,00
10.120.1057	Water pump (60 PS power, approximately 200 mm in diameter)	18.500,00
10.120.1058	Mobile Concrete Pump (420 HP)	1.550.000,00
10.120.1059	Water Truck (with 5-ton water tank)	35.000,00
10.120.1060	Water Truck (Pick-up)	20.500,00
10.120.1061	Dump Truck (120 HP, 7-ton capacity)	82.500,00
10.120.1062	Plunger water pumps with engine	7.500,00
10.120.1063	Any type of (vibration impact) motor compactor (Approximately 400 kg static weight, 9 HP)	6.750,00
10.120.1064	Vibratory roller (Vibratory roller with 4 to 5-ton (inclusive) static weight and 8 to 9-ton dynamic power + crawler tractor with approximately 35 to 58 HP)	128.000,00
10.120.1065	Vibratory roller (Roller with 4 to 5-ton (inclusive) static weight and 8 to 9-ton dynamic power + crawler tractor with approximately 41 to 56 HP)	145.000,00
10.120.1066	Vibratory roller (Roller with 5 to 6-ton (inclusive) static weight and 10 to 12-ton dynamic power + crawler tractor with approximately 45 to 61 HP)	155.000,00
10.120.1067	Vibratory roller (Roller with 6 to 7-ton (including 7 tons) static weight and 12 to 14-ton dynamic power + crawler tractor with approximately 50 to 60 HP)	240.000,00

**Market Prices for Construction Machinery and Vehicles**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>MARKET PRICE (TRY)</b>
10.120.1068	Vibratory roller (Roller with 7 to 9-ton (including 9 tons) static weight and 14 to 18-ton dynamic power + crawler tractor with approximately 56 to 76 HP)	260.000,00
10.120.1069	Vibratory roller (Roller with 9 to 11-ton (including 11 tons) static weight and 18 to 22-ton dynamic power + crawler tractor with approximately 66 to 86 HP)	340.000,00
10.120.1070	Vibratory roller (Roller with 11 to 13-ton (including 13 tons) static weight and 22 to 26-ton dynamic power + crawler tractor with approximately 76 to 96 HP)	360.000,00
10.120.1071	Vibratory roller (Roller with 13 to 15-ton (including 15 tons) static weight and 26 to 30-ton dynamic power + crawler tractor with approximately 90 to 110 HP)	390.000,00
10.120.1072	Complete pad foot roller (Total weight of 40-HP crawler tractor and drums shall be 4000 kg with 2-drum pad foot where each drum is min. 1.20-m long)	100.000,00
10.120.1073	Steel-drum roller (8 to 10 tons (including 10 tons), 2 or 3 wheels) (40 HP)	102.000,00
10.120.1074	Steel-drum roller (10 to 14 tons (including 14 tons), 2 or 3 wheels) (60 HP)	125.000,00
10.120.1075	Wheel roller (7 to 8 tons inclusive) with tractor) (40 HP)	102.000,00
10.120.1076	Drawn-type, wheel roller (8 to 10 tons (inclusive), without tractor)	42.000,00
10.120.1077	Wheel roller (self-moving) (60 to 80 HP, 21-ton static weight)	133.000,00
10.120.1078	Wheel roller (self-moving) (80 to 100 HP, 35-ton static weight)	185.000,00
10.120.1079	Wheel tractor (Approximately 45 HP, with plow and discs)	22.500,00
10.120.1080	Wheel tractor (Approximately 80 to 100 HP)	41.000,00
10.120.1081	Aggregate silo (4 cells, 100 t/h work rate)	25.000,00
10.120.1082	Aggregate silo (4 cells, 50 t/h work rate)	16.000,00
10.120.1083	Cement silo (with approximately 80 to 100 m <sup>3</sup> air system)	20.500,00
10.120.1084	Small sieving plant (40 t/h capacity) (30 HP)	105.000,00
10.120.1085	Mineral filler feeder (Diesel-powered)	12.000,00
10.120.1086	Large sieving plant (100 t/h capacity)	230.000,00
10.120.1087	Trailer distributor (500 US gallons)	24.000,00
10.120.1088	Distributor (installed on a 1500-US gallon truck)	76.000,00
10.120.1089	Small asphalt drying machine (Plant with approximately 60-80 HP, 40 t/h capacity)	108.000,00
10.120.1090	Large asphalt drying machine (Plant with approximately 100-120 HP, 100 t/h capacity)	307.000,00
10.120.1091	Asphalt tank (with 40-ton heating system)	10.500,00
10.120.1092	40-m <sup>3</sup> fixed water tank	7.200,00
10.120.1093	Sweeping machine (9-feet, non-motorized, drawn type, rotating drum)	7.200,00
10.120.1094	Vacuum sweeping machine (Approximately 130 HP + 81 HP)	290.000,00
10.120.1095	Thermoplastic road line marking machine and heater (Approximately 151 HP)	510.000,00
10.120.1096	Cold road line marking machine (Approximately 168 HP)	410.000,00

**Market Prices for Construction Machinery and Vehicles**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>MARKET PRICE (TRY)</b>
10.120.1097	Thermoplastic paint preheater (175 HP, truck-mounted, and equipped with a heating and stirring systems)	380.000,00
10.120.1098	Stone chip spreader (12-feet, non-motorized, drawn type, equipped with a spreader roller)	8.500,00
10.120.1099	Road mixer (Approximately 100 HP and 50 m <sup>3</sup> /h capacity)	112.000,00
10.120.1100	Pulvimixer (Approximately 50 HP and 25 m <sup>3</sup> /h capacity, drawn type)	23.900,00
10.120.1101	Pull behind type mixer (Approximately 22 HP and 5 t/h capacity)	23.900,00
10.120.1102	Hot type small mixer (Approximately 60 to 80 HP and 40 t/h capacity)	73.750,00
10.120.1103	Heating and stirring machine for preparing mastic asphalt (with 1-ton/hour capacity)	30.750,00
10.120.1104	Concrete/Asphalt curbing machine (10 to 15 HP)	50.000,00
10.120.1105	Concrete/Asphalt curbing machine (20 to 30 HP)	150.000,00
10.120.1106	Large hot mixer (Approximately 100 t/h capacity)	270.000,00
10.120.1107	Stabilization mixer (100 to 200-ton/hour capacity, 80 to 120-HP)	78.750,00
10.120.1108	Equipped with a mixer machine (15 HP) (for circulation sludge)	2.300,00
10.120.1109	Equipped with a mixer machine (75 HP) (for circulation sludge)	4.500,00
10.120.1110	Small finisher (Approximately 30 to 50 HP and 100 t/h capacity) (Asphalt)	93.000,00
10.120.1111	Large finisher (Approximately 80 to 100 HP and 200 t/h capacity) (Asphalt)	195.000,00
10.120.1112	Asphalt finisher with electronic sensors (Approximately 60 to 100 HP, 300-ton/hour capacity, 5 to 10-m <sup>3</sup> reservoir)	282.000,00
10.120.1113	Concrete finisher with approximately 70 HP and 50 m <sup>3</sup> /h capacity	560.000,00
10.120.1114	Slip Form Channel Concrete Pavement Machine (50 m <sup>3</sup> /h capacity and 130 HP power)	1.700.000,00
10.120.1115	Aggregate spreading machine (Approximately 23 HP and 25 m <sup>3</sup> /h capacity)	24.250,00
10.120.1116	Mechanical aggregate spreader (Bulldozer-drawn, with 3 to 4-meter spreading width)	9.000,00
10.120.1117	Vapor generator (Approximately 30-HP, and with hoses that can heat 3 x 40-ton tanks in parallel)	37.000,00
10.120.1118	Asphalt pump (Approximately 25 HP, 50 ton/hour capacity, with 2 to 3-inch (including 3) hoses)	7.800,00
10.120.1119	Asphalt pump (Approximately 50 HP, 100 ton/h capacity, with 2 to 6-inch including hoses)	10.000,00
10.120.1120	Pull behind spreader box (0.50 m <sup>2</sup> windrow section)	3.000,00
10.120.1121	Aggregate washing plant (Approximately 30 HP, 25 m <sup>3</sup> /h capacity)	23.900,00
10.120.1122	Bored pile rig (200 HP)	1.000.000,00

**Market Prices for Construction Machinery and Vehicles**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>MARKET PRICE (TRY)</b>
10.120.1123	Bored pile rig (300 HP)	3.100.000,00
10.120.1124	Bored pile rig (440 HP)	3.800.000,00
10.120.1125	Scraper: Equipped with a 70-HP engine, for plants with approximately 8 yd <sup>3</sup> scraper wagons.	410.000,00
10.120.1126	Automatic concrete plant, 1000 L capacity, 50 m <sup>3</sup> /h (including radial scraper, star silo, aggregate scale, forced concrete mixer loading bucket, forced concrete mixer + cement scale, water meter, pressure air equipment, maintenance platform, control cabinet, control panel, carrier structure, cement silo, cement conveyor)	230.000,00
10.120.1127	Prefabricated concrete paving block plant, overhead filling silo with 75 m <sup>2</sup> capacity, vibrating plate, 62 kW total engine power, molding, etc.	1.300.000,00
10.120.1128	Asphalt scraper machine (with 400 HP, max. 2.05 m milling width, 0.15 m milling depth, and conveyor)	1.820.000,00
10.120.1129	Concrete pipe moving machine (at factory)	116.000,00
10.120.1130	Concrete pipe production machine	325.000,00
	<b>Rotary type water drilling machines (with equipment)</b>	
10.120.1131	100 to 200 m drilling capacity	270.000,00
10.120.1132	400 to 500 m drilling capacity	650.000,00
10.120.1133	750 m drilling capacity	700.000,00
	<b>Rotary type foundation drilling machines (with equipment)</b>	
10.120.1134	40 to 100 m drilling capacity	90.000,00
10.120.1135	200 to 250 m drilling capacity	125.000,00
10.120.1136	300 to 350 m drilling capacity	155.000,00
10.120.1137	500 m drilling capacity	175.000,00
10.120.1138	700 m drilling capacity	197.000,00
10.120.1139	960 m drilling capacity	242.000,00
10.120.1140	BPE 80 m and similar concrete pump with rotor system	550.000,00
10.120.1141	Drilling machine with hammering capability (100 to 150 m drilling capacity with the equipment) any diameter	165.000,00
10.120.1142	25 to 30 HP complete welding machine	16.800,00
10.120.1143	Power generator (min. 5 kW)	3.400,00
10.120.1144	Dredging rock barge for stone with hinged lid (Non-motorized, 125-ton, water line: 1.85 m)	127.000,00
10.120.1145	Dredging rock barge for stone with hinged lid (Non-motorized, 400-ton, water line: 2.5 m)	285.000,00
10.120.1146	Tilting sand barge (Non-motorized, 300-ton, water line: 2.2 m)	285.000,00
10.120.1147	Dredging rock barge for sand with hinged lid (Non-motorized, 300 m <sup>3</sup> , water line: 2 m)	285.000,00
10.120.1148	Dredging sand barge with opening in the middle (Approximately 2 x 255 HP, motorized, 500-m <sup>3</sup> , water line: 3.40 M)	1.100.000,00
10.120.1149	Non-motorized lighter (180-ton, hoisting capacity: 5 tons, water line: 1 M)	550.000,00
10.120.1150	Diesel engine trailer (Approximately 116 HP, water line: 0.85 M)	215.000,00
10.120.1151	Diesel engine trailer (Approximately 240 HP, water line: 1.75 M)	485.000,00
10.120.1152	Diesel engine trailer (Approximately 310 HP, water line: 2 M)	510.000,00



**Market Prices for Construction Machinery and Vehicles**

ITEM NO	DESCRIPTION	MARKET PRICE (TRY)
10.120.1153	Diesel engine trailer (Approximately 525 HP, water line: 1.8 M)	1.250.000,00
10.120.1154	Diesel engine trailer (Approximately 2 x 300 HP, water line: 2.60 M)	1.360.000,00
10.120.1155	Coal-powered floating crane (Derrick) (60-ton, 1080 tons x M, max. 24 m guide rope, hoisting height: min. 16, max. 29 m)	1.250.000,00
10.120.1156	Manual lawnmower	238,00
10.120.1157	Motorized lawnmower	1.625,00
10.120.1158	Walking tractor for garden (11 HP)	7.875,00
10.120.1159	Garden tractor (35 HP)	15.750,00
10.120.1160	10-liter lever-operated knapsack sprayer	163,00
10.120.1161	10-liter motorized knapsack sprayer	925,00
10.120.1162	100-liter, hand-drawn, motorized sprayer	2.400,00
10.120.1163	250-liter, vehicle-drawn, motorized sprayer	4.000,00
10.120.1164	560-liter, vehicle-drawn, motorized sprayer	6.800,00
10.120.1165	1200-liter, motorized mobile sprayer	22.250,00
10.120.1166	2200-liter, vehicle-carried, hydraulic, motorized sprayer	17.000,00
	<b>Note: Market prices of the Sprayers with other capacities in the items 10.120.1160 - 1161 - 1162 - 1163 - 1164 - 1165 - 1166 shall be interpolated.</b>	
10.120.1167	Pressuremeter	51.000,00
10.120.1168	Pressuremeter probe (support)	2.740,00
10.120.1169	Pressuremeter probe rubber	300,00
10.120.1170	Special hose for pressuremeter	2.740,00
10.120.1171	Slotted tube for pressuremeter (Slotted driving pipe)	1.870,00
10.120.1172	Geophysical resistivity instrument	59.000,00
10.120.1173	Geophysical logging instrument	142.000,00
10.120.1174	Geophysical Seismic Reaction Instrument	170.000,00
10.120.1175	Crane (Truck-mounted)	57.500,00
10.120.1176	Gantry Crane (60 tons)	171.000,00
10.120.1177	Diesel-electric cutting-suction dredge vessel (Approximately 400 m <sup>3</sup> /h capacity, max. 16 m dredging depth, able to pump dredged materials to 800 m away or 6 m high)	9.750.000,00
10.120.1178	Lift and force refueler (215 HP) (For ongoing works)	530.000,00
10.120.1179	Grab bucket amphibious excavator (Approximately 180 HP, 3 yd <sup>3</sup> , able to move 4.5 tons 18 meters, max. lifting capacity as a crane: 15 tons)	930.000,00
10.120.1180	Amphibious excavator with reverse bucket (Backhoe) (About 225 HP, 3 m <sup>3</sup> bucket capacity, max. extension range: 9 m, max. excavating depth: 8.5 m)	1.875.000,00
10.120.1181	Pontoon (100-ton crane barge) (For ongoing works)	93.750,00
10.120.1182	Diver boat (Including a compressor, diver suit, hoses and accessories)	68.750,00
10.120.1183	Car trailer (Approximately 300 HP)	247.000,00
10.120.1184	Flume factory (2 m <sup>3</sup> /h capacity of prefabricated concrete)	2.000.000,00

**Market Prices for Construction Machinery and Vehicles**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>MARKET PRICE (TRY)</b>
10.120.1185	Ø150 - Ø800 mm steam-cured concrete and reinforced concrete pipe manufacturing plant (including all equipment)	2.450.000,00
10.120.1186	Ø900 - Ø1200 mm steam-cured concrete and reinforced concrete pipe manufacturing plant (including all equipment)	3.680.000,00
10.120.1187	Ø1400 - Ø1600 mm steam-cured concrete and reinforced concrete pipe manufacturing plant (including all equipment)	5.600.000,00
10.120.1188	Ø1800 - Ø2000 mm steam-cured concrete and reinforced concrete pipe manufacturing plant (including all equipment)	8.000.000,00
10.120.1189	Ø2200 - Ø2600 mm steam-cured concrete and reinforced concrete pipe manufacturing plant (including all equipment)	9.000.000,00
10.120.1190	Ø2800 - Ø3000 mm steam-cured concrete and reinforced concrete pipe manufacturing plant (including all equipment)	11.000.000,00
10.120.1191	Prefabricated inspection chamber manufacturing plant (including all equipment)	79.500,00
10.120.1192	Aluminum joinery workshop	290.000,00
10.120.1193	Plastic joinery workshop	270.000,00
10.120.1194	Iron joinery workshop	410.000,00
10.120.1195	Tunnel formwork workshop	410.000,00
10.120.1196	Woodwork shop	470.000,00
10.120.1197	Workshop for scaffolds made of prefabricated components (steel and aluminum)	290.000,00
10.120.1198	Mass Concrete Cooler/Heater (Complete System including a Compressor, Pump, Pipes and Valves) (12 Delivery and 12 Return Lines, Able to Generate Water at Desired Flow Rate and Temperature, and Generate Reports), 130 kW power	375.000,00
10.120.1199	Mass Concrete Cooler/Heater (Complete System including a Compressor, Pump, Pipes and Valves) (12 Delivery and 12 Return Lines, Able to Generate Water at Desired Flow Rate and Temperature, and Generate Reports), 200 kW power	500.000,00
10.120.1200	Coal-powered dredging vessel with bucket (500-liter bucket volume, approximately 350 m <sup>3</sup> /h dredging capacity, able to dredge at 7 to 20-meter depth)	10.000.000,00
10.120.1201	Fuel-oil-powered sand dredger vessel (Approximately 600 m <sup>3</sup> /h capacity, max. 15 m suction depth, able to absorb sand with 1.5 to 4 mm grain diameter, storage volume: 600 m <sup>3</sup> )	6.200.000,00
10.120.1202	6-meter-long, pressure-resistant hose, 4 inches in diameter (Used for cement stabilization and similar other works as well as pumping cement to the silo.)	168,00
10.120.1203	Joint Cutting Machine (Maximum cutting depth: 160 mm, power: 12 HP) (Complete with a cutter, water tank, etc.)	11.600,00
10.120.1204	Helicopter trowel (9 HP) (Complete with a tray, 4 blades, etc.)	6.270,00
10.120.1205	Seamless Groove Machine, 1.5 HP, 1400 rpm, 220 V (12 m/min production speed)	20.500,00
10.120.1206	Welding machine (Approximately 300 amps)	3.680,00
10.120.1207	Spreader (400 m <sup>3</sup> /day) (for airport construction)	290.000,00
10.120.1208	Diesel-electric bucket dredger (500-liter bucket volume, approximately 300 m <sup>3</sup> /h dredging capacity, able to dredge at 7 to 20-meter depth)	10.000.000,00
10.120.1209	Diesel-electric bucket dredger (250-liter bucket volume, approximately 150 m <sup>3</sup> /h dredging capacity, able to dredge at 6.5 to 16-meter depth)	6.200.000,00
10.120.1210	Diesel-electric bucket dredger (750-liter bucket volume, approximately 500 m <sup>3</sup> /h dredging capacity, able to dredge at 10 to 22-meter depth)	12.500.000,00

**Market Prices for Construction Machinery and Vehicles**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>MARKET PRICE (TRY)</b>
	<b>Floor Stabilization System Machines</b>	
	<b>Deep Mixing Method Machines</b>	
10.120.1211	Complete system including an Excavator (280 HP) + a Single-tank, Mobile Lime Silo (130 HP) + a Mixing Tip + a Compressor (60 HP)	4.900.000,00
10.120.1212	Complete system including an Excavator (280 HP) + a Double-tank, Mobile Lime Silo (130 HP) + a Mixing Tip + a Compressor (60 HP)	5.700.000,00
	<b>Surface Stabilization Method Machines</b>	
10.120.1213	Mixer Shredder (600 HP)	4.200.000,00
10.120.1214	Lime Spreader (250 HP)	1.400.000,00
10.120.1215	Turning lathe (7.5 KW)	36.750,00
10.120.1216	Premixed plaster machine (7.5 kW)	106.000,00
10.120.1217	Truck mixer (with a 120-HP truck and a cement mixer with 4-m <sup>3</sup> useful volume and 56-HP drive motor mounted on the truck)	340.000,00
10.120.1218	Pull behind-type Concrete Pump (with a 75 HP, 50 m <sup>3</sup> /h capacity and concrete delivery pipes)	280.000,00
10.120.1219	Crane (130-HP, rubber-tire hydraulic crane with 8 to 25-meter boom length and 25-ton average hoist capacity)	1.200.000,00
10.120.1220	Crane (240-HP, rubber-tire mobile crane with 11 to 33.5-meter boom length and 55 to 60-ton average hoist capacity)	1.500.000,00
10.120.1221	Mobile crane (60 tons - 240 HP)	1.500.000,00
10.120.1222	Crane (270-HP, rubber-tire mobile crane with 16 to 36-meter boom length and 30-ton average hoist capacity)	1.350.000,00
10.120.1223	Crane (476-HP, rubber-tire mobile crane with 42 to 55-meter boom length and 80-ton average hoist capacity)	2.300.000,00
10.120.1224	Tower crane (height: 65 m, boom length: 65 m, max. capacity: 10 tons, traveling on rail) (TS ISO 4306-3)	1.700.000,00
10.120.1225	Blender	2.050,00
10.120.1226	Mobile air compressor (12 bars, 760 cfm)	490.000,00
10.120.1227	Crawler drilling rig (160 HP)	1.260.000,00
10.120.1228	Drilling rig with jet grouting equipment	2.900.000,00
10.120.1229	Pipe installing by microtunnelling machine (160 kW boring power, 160 tons, 218 HP, Ø400 to Ø1000)	3.400.000,00
10.120.1230	Pipe installing by microtunnelling machine (250 to 1200-ton driving power, 340-HP, Ø1000 mm to Ø2600 mm)	14.500.000,00
	<b>Shotcrete machine</b>	
10.120.1231	Theoretical dry mix spraying capacity: max. 10 m <sup>3</sup> /h	65.000,00
10.120.1232	Wet mix spraying shooting capacity: max. 30 m <sup>3</sup> /h	600.000,00
10.120.1233	Theoretical wet and dry mix spraying capacity: max. 20 m <sup>3</sup> /h	760.000,00
10.120.1234	Axial Fan (3 x 75 kW frequency converter fan + 1000-m fan tube)	380.000,00
	<b>Tunnel Boring Machine (TBM)</b>	
10.120.1235	TBM with max. 50 m <sup>2</sup> tunnel section, 2 x 75 kW electric motor power and electric hydraulic controller with two levers	1.850.000,00

### Market Prices for Construction Machinery and Vehicles

ITEM NO	DESCRIPTION	MARKET PRICE (TRY)
10.120.1236	TBM with tunnel section above 50 m <sup>2</sup> , 2 x 75 kW or up to 3 x 75 kW electric motor power and electric hydraulic controller with three levers	3.150.000,00
10.120.1237	Iron cutting and bending machine (including all accessories)	15.000,00
10.120.1238	Forklift (4 tons, 40 HP)	75.000,00
10.120.1239	Mobile crane (9 tons, 80 HP)	270.000,00
10.120.1240	Two-component insulation material dosage mixing machine (Complete system including spray guns, Hoses, Transfer Pumps, Electrical Panels, Compressors, Dryers, Any type of nozzle, etc.)	260.000,00
	<b>DRILLS AND BITS</b>	
10.120.1241	Vidya drill bit (Hard mineral)	13,00
10.120.1242	Vidya kron drill bit	185,00
10.120.1243	Diamond drill bits (carat percentage: 23)	500,00
10.120.1244	Drill (4 1/2 inches for drilling)	1.500,00
10.120.1245	Drill (9 7/8 inches for drilling)	6.000,00
10.120.1246	Drill (12 1/4 inches)	8.000,00
10.120.1247	Drill (15 inches)	9.750,00
10.120.1248	Drill (17 1/2 inches)	12.500,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>PRINCIPAL CONSTRUCTION MATERIALS</b>			
	<b>AGGREGATES (TS 706 EN 12620+A1) (Loading, unloading and laying of sand, gravel and crushed stone are not included)</b>			
10.130.1001	Gravel (coarse-grained aggregate that does not need to be screened)	m <sup>3</sup>	Warehouse	10,00
10.130.1002	Gravel (extracted from screened all-in aggregate materials, and washed)	m <sup>3</sup>	Warehouse	21,00
10.130.1003	Gravel (extracted from screened from all-in aggregate materials, washed, and prepared by mixing minimum two of its classes)	m <sup>3</sup>	Warehouse	24,00
10.130.1004	Sand (fine-grained aggregate that does not need to be screened)	m <sup>3</sup>	Warehouse	10,00
10.130.1005	Sand (extracted from screened all-in aggregate materials, and washed)	m <sup>3</sup>	Warehouse	21,00
10.130.1006	Sand (extracted from screened from all-in aggregate materials, washed, and prepared by mixing minimum two of its classes)	m <sup>3</sup>	Warehouse	24,00
10.130.1007	Fine sand for plaster or grout (screened and washed)	m <sup>3</sup>	Warehouse	27,00
10.130.1008	Crushed stone up to 32 mm	m <sup>3</sup>	Warehouse	36,00
10.130.1009	Crushed stone up to 63 mm (prepared by mixing minimum two classes)	m <sup>3</sup>	Warehouse	33,00
	<b>Coarse aggregate</b>			
10.130.1021	Gravel (Extracted from screened all-in aggregate materials, and washed) (machine-supplied) (19.100.2003) (price charged for 57% of the diesel fuel)	m <sup>3</sup>	Quarry	7,87
10.130.1022	Gravel (Extracted from screened all-in aggregate materials, and washed) (machine-supplied) (19.100.2004) (price charged for 57% of the diesel fuel)	m <sup>3</sup>	Quarry	19,59
10.130.1023	Gravel (extracted from screened from all-in aggregate, washed, and prepared by mixing minimum two of its classes) (Machine-supplied) (19.100.2006) (price charged for 57% of the diesel fuel)	m <sup>3</sup>	Quarry	21,90
	<b>Fine aggregate</b>			
10.130.1024	Sand (Fine-grained aggregate that does not need to be screened) (machine-supplied) (19.100.2003) (price charged for 57% of the diesel fuel)	m <sup>3</sup>	Quarry	7,87
10.130.1025	Sand (Extracted from screened all-in aggregate materials, and washed) (machine-supplied) (19.100.2004) (price charged for 57% of the diesel fuel)	m <sup>3</sup>	Quarry	19,59
10.130.1026	Sand (extracted from screened from all-in aggregate materials, washed, and prepared by mixing minimum two of its classes) (Machine-supplied) (19.100.2006) (price charged for 57% of the diesel fuel)	m <sup>3</sup>	Quarry	21,90
10.130.1027	Fine sand for plaster or grout (screened and washed) (machine-supplied) (19.100.2007) (price charged for 57% of the diesel fuel)	m <sup>3</sup>	Quarry	25,31
	<b>Crushed stone</b>			
10.130.1028	Crushed stone up to 63 mm (prepared by mixing minimum two classes) (19.100.2016)	m <sup>3</sup>	Quarry	31,12
10.130.1029	Crushed stone up to 32 mm (19.100.2017)	m <sup>3</sup>	Quarry	34,36
	<b>Artificial Concrete Aggregates (TS 706 EN 12620+A1)</b>			
10.130.1041	Iron cinder fine aggregate	m <sup>3</sup>	Warehouse	10,00
10.130.1042	Iron cinder coarse aggregate	m <sup>3</sup>	Warehouse	8,00
10.130.1043	Iron cinder mixed aggregate	m <sup>3</sup>	Warehouse	9,00
	<b>Artificial Aggregate for Materials with Hydraulic Binder or without Binder Used for Road Building (TS EN 13242 + A1)</b>			
10.130.1044	Iron cinder mixed aggregate	m <sup>3</sup>	Warehouse	12,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>Silica Sand and Gravel</b>			
10.130.1049	Silica (quartz) sand and gravel (TS EN 12904)	Kg	On the job	0,34
	<b>CEMENTS</b>			
10.130.1201	Portland cement (Bagged) (TS EN 197-1 CEM I 42.5 N)	Tons	Factory	227,00
10.130.1202	Portland cement (Bulk) (TS EN 197-1 CEM I 42.5 N)	Tons	Factory	221,00
10.130.1203	Portland cement (Bagged) (TS EN 197-1 CEM I 42.5 R)	Tons	Factory	227,00
10.130.1204	Portland cement (Bulk) (TS EN 197-1 CEM I 42.5 R)	Tons	Factory	221,00
10.130.1205	Portland Slag Cement (Bagged) (TS EN 197-1 CEM II/A-S 42.5 R)	Tons	Factory	218,00
10.130.1206	Portland Slag Cement (Bulk) (TS EN 197-1 CEM II/A-S 42.5 R)	Tons	Factory	212,00
10.130.1207	Portland Pozzolanic Cement (Bagged) (TS EN 197-1 CEM II/A-P 42.5 R)	Tons	Factory	221,00
10.130.1208	Portland Pozzolanic Cement (Bulk) (TS EN 197-1 CEM II/A-P 42.5 R)	Tons	Factory	215,00
10.130.1209	Portland Calcareous Cement (Bagged) (TS EN 197-1 CEM II/A-L 42.5 R)	Tons	Factory	202,00
10.130.1210	Portland Calcareous Cement (Bulk) (TS EN 197-1 CEM II/A-L 42.5 R)	Tons	Factory	196,00
10.130.1211	Portland Calcareous Cement (Bagged) (TS EN 197-1 CEM II/A-LL 42.5R)	Tons	Factory	223,00
10.130.1212	Portland Calcareous Cement (Bulk) (TS EN 197-1 CEM II/A-LL 42.5R)	Tons	Factory	217,00
10.130.1213	Portland Calcareous Cement (Bagged) TS EN 197-1 CEM II/B-LL 32.5 N	Tons	Factory	190,00
10.130.1214	Portland Calcareous Cement (Bulk) TS EN 197-1 CEM II/B-LL 32.5 N	Tons	Factory	184,00
10.130.1215	Portland Calcareous Cement (Bagged) (TS EN 197-1 CEM II/B-LL 32.5 R)	Tons	Factory	209,00
10.130.1216	Portland Calcareous Cement (Bulk) (TS EN 197-1 CEM II/B-LL 32.5 R)	Tons	Factory	203,00
10.130.1217	Portland Composite Cement (Bagged) (TS EN 197-1 CEM II/A-M 42.5 N)	Tons	Factory	216,00
10.130.1218	Portland Composite Cement (Bulk) (TS EN 197-1 CEM II/A-M 42.5 N)	Tons	Factory	210,00
10.130.1219	Portland Composite Cement (Bagged) (TS EN 197-1 CEM II/A-M 42.5 R)	Tons	Factory	220,00
10.130.1220	Portland Composite Cement (Bulk) (TS EN 197-1 CEM II/A-M 42.5 R)	Tons	Factory	214,00
10.130.1221	Portland Composite Cement (Bagged) (TS EN 197-1 CEM II/B-M 32.5 N)	Tons	Factory	209,00
10.130.1222	Portland Composite Cement (Bulk) (TS EN 197-1 CEM II/B-M 32.5 N)	Tons	Factory	203,00
10.130.1223	Portland Composite Cement (Bagged) (TS EN 197-1 CEM II/B-M 32.5 R)	Tons	Factory	202,00
10.130.1224	Portland Composite Cement (Bulk) (TS EN 197-1 CEM II/B-M 32.5 R)	Tons	Factory	196,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.1225	Portland Composite Cement (Bagged) (TS EN 197-1 CEM II/B-M 42.5 R)	Tons	Factory	215,00
10.130.1226	Portland Composite Cement (Bulk) (TS EN 197-1 CEM II/B-M 42.5 R)	Tons	Factory	209,00
10.130.1227	Portland Slag Cement (Bagged) (TS EN 197-1 CEM III/A 32.5 N)	Tons	Factory	212,00
10.130.1228	Portland Slag Cement (Bulk) (TS EN 197-1 CEM III/A 32.5 N)	Tons	Factory	206,00
10.130.1229	Pozzolanic Cement (Bagged) (TS EN 197-1 CEM IV/B 32.5 R)	Tons	Factory	202,00
10.130.1230	Pozzolanic Cement (Bulk) (TS EN 197-1 CEM IV/B 32.5 R)	Tons	Factory	196,00
10.130.1231	Pozzolanic Cement (Bagged) (TS EN 197-1 CEM IV/B 32.5 N)	Tons	Factory	202,00
10.130.1232	Pozzolanic Cement (Bulk) (TS EN 197-1 CEM IV/B 32.5 N)	Tons	Factory	196,00
10.130.1233	Portland White Cement (Bagged) (TS EN 197-1 CEM-I 52.5 R)	Tons	Factory	405,00
10.130.1234	Portland White Cement (Bulk) (TS EN 197-1 CEM-I 52.5 R)	Tons	Factory	399,00
10.130.1235	White Calcareous Portland Cement (Bagged) (TS EN 197-1 CEM II /B-LL 42.5 R)	Tons	Factory	399,00
10.130.1236	White Calcareous Portland Cement (Bulk) (TS EN 197-1 CEM II /B-LL 42.5 R)	Tons	Factory	393,00
10.130.1237	Sulfate-resistant Pozzolanic Cement (Bagged) (TS EN 197-1 CEM IV/B 32.5 R-SR)	Tons	Factory	221,00
10.130.1238	Sulfate-resistant Pozzolanic Cement (Bulk) (TS EN 197-1 CEM IV/B 32.5 R-SR)	Tons	Factory	215,00
10.130.1239	Sulfate-resistant Portland Cement (Bagged) (TS EN 197-1 CEM I 42.5 R-SR)	Tons	Factory	246,00
10.130.1240	Sulfate-resistant Portland Cement (Bulk) (TS EN 197-1 CEM I 42.5 R-SR)	Tons	Factory	240,00
10.130.1241	Sulfate-resistant Portland Cement (Bagged) (TS EN 197-1 CEM I 42.5 R SR5)	Tons	Factory	246,00
10.130.1242	Sulfate-resistant Portland Cement (Bulk) (TS EN 197-1 CEM I 42.5 R SR5)	Tons	Factory	240,00
10.130.1243	Boron active belite cement (KPÇ 42.5) (Bagged) (TS 13353)	Tons	Factory	264,00
10.130.1244	Boron active belite cement (KPÇ 42.5) (Bulk) (TS 13353)	Tons	Factory	258,00
	<b>PLANT-MIXED CONCRETE MIXES (TS EN 206-1+A1)</b>			
	<b>REGULAR GRAY PLANT-MIXED CONCRETE MIXES</b>			
10.130.1501	C 8/10 concrete mix	m <sup>3</sup>	On the job	136,00
10.130.1502	C 12/15 concrete mix	m <sup>3</sup>	On the job	146,00
10.130.1503	C 16/20 concrete mix	m <sup>3</sup>	On the job	151,00
10.130.1504	C 20/25 concrete mix	m <sup>3</sup>	On the job	155,00
10.130.1505	C 25/30 concrete mix	m <sup>3</sup>	On the job	161,00
10.130.1506	C 30/37 concrete mix	m <sup>3</sup>	On the job	167,00
10.130.1507	C 35/45 concrete mix	m <sup>3</sup>	On the job	178,00
10.130.1508	C 40/50 concrete mix	m <sup>3</sup>	On the job	189,00
10.130.1509	C 45/55 concrete mix	m <sup>3</sup>	On the job	193,00
10.130.1510	C 50/60 concrete mix	m <sup>3</sup>	On the job	198,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	Note: The definition of regular plant-mixed concrete mixes in this list covers regular gray plant-mixed concrete mixes derived from any Portland and Pozzolanic Cement except Refractory Cement, White Cement, Sulphate-Resisting Cement, Boron Active Belite Cement. Excluding pump cost.			
	<b>REGULAR WHITE PLANT-MIXED CONCRETE MIXES</b>			
10.130.1521	C 8/10 white concrete mix	m <sup>3</sup>	On the job	196,00
10.130.1522	C 12/15 white concrete mix	m <sup>3</sup>	On the job	202,00
10.130.1523	C 16/20 white concrete mix	m <sup>3</sup>	On the job	214,00
10.130.1524	C 20/25 white concrete mix	m <sup>3</sup>	On the job	226,00
10.130.1525	C 25/30 white concrete mix	m <sup>3</sup>	On the job	238,00
10.130.1526	C 30/37 white concrete mix	m <sup>3</sup>	On the job	255,00
10.130.1527	C 35/40 white concrete mix	m <sup>3</sup>	On the job	273,00
10.130.1528	C 40/50 white concrete mix	m <sup>3</sup>	On the job	297,00
10.130.1529	C 45/55 white concrete mix	m <sup>3</sup>	On the job	315,00
10.130.1530	C 50/60 white concrete mix	m <sup>3</sup>	On the job	333,00
	Note: Regular white concrete mixes in this list cover regular white concrete mixes derived from White Concrete with minimum 85% whiteness in terms of its Y value under the CIE system as per TS EN 197-1 and TS 21. Excluding pump cost.			
	<b>GRAY, PLANT-MIXED, LIGHT CONCRETE MIXES</b>			
10.130.1541	LC 8/9 light concrete mix	m <sup>3</sup>	On the job	160,00
10.130.1542	C 12/13 light concrete mix	m <sup>3</sup>	On the job	172,00
10.130.1543	C 16/18 light concrete mix	m <sup>3</sup>	On the job	190,00
10.130.1544	C 20/22 light concrete mix	m <sup>3</sup>	On the job	208,00
	Note: The definition of light plant-mixed concrete mixes in this list covers lightweight, gray, plant-mixed concrete mixes derived from any Portland and Pozzolanic Cement except Refractory Cement, White Cement, Sulphate-Resisting Cement, Boron Active Belite Cement. Excluding pump cost.			
	<b>PERMEABLE GRAY CONCRETE MIXES (Permeability Ratio: 15 to 35%)</b>			
10.130.1561	Permeable concrete mix	m <sup>3</sup>	On the job	178,00
	Note: The definition of permeable, plant-mixed concrete mixes in this list covers permeable, gray, plant-mixed concrete mixes derived from any Portland and Pozzolanic Cement except Refractory Cement, White Cement, Sulphate-Resisting Cement, Boron Active Belite Cement.			
	<b>CONCRETE REINFORCING BARS (TS 708)</b>			
10.130.1701	Concrete reinforcing bar, plain, Ø6 mm (S220) (Iskenderun)	Kg	Factory	2,52
10.130.1702	Concrete reinforcing bar, plain, Ø8-Ø10-Ø12 mm (S220)	Kg	Factory	2,48
10.130.1703	Concrete reinforcing bar, plain, Ø14 to 50 mm (S220)	Kg	Factory	2,48
10.130.1704	Concrete reinforcing bar, ribbed, Ø8-12 mm (S420, B420B-C, B500B-C)	Kg	Factory	2,47
10.130.1705	Concrete reinforcing bar, ribbed, Ø14-32 mm (S420, B420B-C, B500B-C)	Kg	Factory	2,47
10.130.1706	Ø80-100 mm steel (DIN c 35)	Kg	On the job	5,60
10.130.1707	Flats (TS EN 10058)	Kg	Factory	3,05



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.1708	Hot-rolled profile irons (S235 JR) (I-U-T-Omega) (TS 910, TS 911 EN 10055, 912, TS 911 EN 10055)	Kg	Factory	3,13
10.130.1709	Hot-rolled brackets (S235 JR) (TS EN 10056-1, 2)	Kg	Factory	3,30
10.130.1710	Steel sheet pile profile	Tons	On the job	4.000,00
10.130.1711	Steel pig	Kg	Factory	2,07
	<b>STEEL MESH</b>			
10.130.1751	Steel mesh (Ribbed) (TS 4559) (weight per m <sup>2</sup> : 3.01 - 10.00 kg)	Kg	Warehouse	2,85
10.130.1752	Steel mesh (Ribbed) (TS 4559) (weight per m <sup>2</sup> : 1.50 - 3.00 kg)	Kg	Warehouse	2,90
10.130.1753	Steel mesh (Ribbed) (Flume mesh) (TS 4559)	Kg	Warehouse	2,95
10.130.1754	Factory-made B.A. beam iron (Thin-cell beam or a similar item)	Kg	Warehouse	3,05
	<b>RIBBED CONCRETE REINFORCEMENT BARS MADE OF GLASS FIBER-REINFORCED POLYMER (TS 13816) (Cut and bent in any size as per the relevant project, and ready to be in its designated location)</b>			
10.130.1771	Ø4 mm	Tons	On the job	30.000,00
10.130.1772	Ø6 mm	Tons	On the job	28.500,00
10.130.1773	Ø8 - 26 mm	Tons	On the job	26.500,00
	<b>BRICKS</b>			
	<b>Horizontally perforated LD unit bricks (TS EN 771-1+A1) (length x width x height)</b>			
10.130.2001	190 x 85 x 190-mm horizontally perforated brick	Qty	Factory	0,31
10.130.2002	190 x 135 x 190-mm horizontally perforated bricks	Qty	Factory	0,39
10.130.2003	250 x 100 x 200-mm horizontally perforated bricks	Qty	Factory	0,42
10.130.2004	200 x 100 x 200-mm horizontally perforated bricks	Qty	Factory	0,36
10.130.2005	250 x 120 x 200-mm horizontally perforated bricks	Qty	Factory	0,51
10.130.2006	250 x 120 x 250-mm horizontally perforated bricks	Qty	Factory	0,64
10.130.2007	235 x 240 x 185-mm horizontally perforated bricks	Qty	Factory	0,87
10.130.2008	290 x 240 x 185-mm horizontally perforated bricks	Qty	Factory	1,07
10.130.2009	250 x 250 x 135-mm horizontally perforated bricks	Qty	Factory	0,70
10.130.2010	250 x 250 x 200-mm horizontally perforated bricks	Qty	Factory	1,06
10.130.2011	350 x 250 x 200-mm horizontally perforated bricks	Qty	Factory	1,47
10.130.2012	235 x 135 x 240-mm horizontally perforated bricks	Qty	Factory	0,64
10.130.2013	240 x 135 x 250-mm horizontally perforated bricks	Qty	Factory	0,68
10.130.2014	240 x 190 x 250-mm horizontally perforated bricks	Qty	Factory	0,95
10.130.2015	240 x 135 x 190-mm horizontally perforated bricks	Qty	Factory	0,52
10.130.2016	235 x 240 x 190-mm horizontally perforated bricks	Qty	Factory	0,89
10.130.2017	190 x 190 x 135-mm horizontally perforated, interlocking bricks	Qty	Factory	0,39
10.130.2018	240 x 250 x 135-mm horizontally perforated, interlocking bricks	Qty	Factory	0,68
	<b>Vertically perforated LD unit bricks (TS EN 771-1+A1) (Class W - Gross Dry Bulk Density 600 kg/m<sup>3</sup>) (length x width x height)</b>			
10.130.2031	240 x 115 x 235 mm vertically perforated brick	Qty	Factory	0,87
10.130.2032	240 x 145 x 235 mm vertically perforated brick	Qty	Factory	1,09
10.130.2033	240 x 175 x 235 mm vertically perforated brick	Qty	Factory	1,32
10.130.2034	290 x 190 x 235 mm vertically perforated brick	Qty	Factory	1,74

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.2035	240 x 240 x 235 mm vertically perforated brick	Qty	Factory	1,82
10.130.2036	240 x 250 x 235 mm vertically perforated brick	Qty	Factory	1,89
10.130.2037	240 x 300 x 235 mm vertically perforated brick	Qty	Factory	2,25
	<b>Vertically perforated LD unit bricks (TS EN 771-1+A1) (Class W - Gross Dry Bulk Density 650 kg/m<sup>3</sup>) (length x width x height)</b>			
10.130.2051	240 x 115 x 235 mm vertically perforated brick	Qty	Factory	0,78
10.130.2052	240 x 145 x 235 mm vertically perforated brick	Qty	Factory	0,97
10.130.2053	240 x 175 x 235 mm vertically perforated brick	Qty	Factory	1,18
10.130.2054	290 x 190 x 235 mm vertically perforated brick	Qty	Factory	1,54
10.130.2055	240 x 240 x 235 mm vertically perforated brick	Qty	Factory	1,61
10.130.2056	240 x 250 x 235 mm vertically perforated brick	Qty	Factory	1,68
10.130.2057	240 x 300 x 235 mm vertically perforated brick	Qty	Factory	2,02
	<b>Vertically perforated LD unit bricks (TS EN 771-1+A1) (Class W - Gross Dry Bulk Density 700 kg/m<sup>3</sup>) (length x width x height)</b>			
10.130.2071	240 x 115 x 235 mm vertically perforated brick	Qty	Factory	0,75
10.130.2072	240 x 145 x 235 mm vertically perforated brick	Qty	Factory	0,95
10.130.2073	240 x 175 x 235 mm vertically perforated brick	Qty	Factory	1,16
10.130.2074	290 x 190 x 235 mm vertically perforated brick	Qty	Factory	1,52
10.130.2075	240 x 240 x 235 mm vertically perforated brick	Qty	Factory	1,59
10.130.2076	240 x 250 x 235 mm vertically perforated brick	Qty	Factory	1,65
10.130.2077	240 x 300 x 235 mm vertically perforated brick	Qty	Factory	1,96
	<b>Vertically perforated LD unit bricks (TS EN 771-1+A1) (Class W - Gross Dry Bulk Density 750 kg/m<sup>3</sup>) (length x width x height)</b>			
10.130.2091	240 x 115 x 235 mm vertically perforated brick	Qty	Factory	0,65
10.130.2092	240 x 145 x 235 mm vertically perforated brick	Qty	Factory	0,82
10.130.2093	240 x 175 x 235 mm vertically perforated brick	Qty	Factory	0,99
10.130.2094	290 x 190 x 235 mm vertically perforated brick	Qty	Factory	1,30
10.130.2095	240 x 240 x 235 mm vertically perforated brick	Qty	Factory	1,35
10.130.2096	240 x 250 x 235 mm vertically perforated brick	Qty	Factory	1,43
10.130.2097	240 x 300 x 235 mm vertically perforated brick	Qty	Factory	1,71
	<b>Vertically perforated LD unit bricks (TS EN 771-1+A1) (Class W - Gross Dry Bulk Density 800 kg/m<sup>3</sup>) (length x width x height)</b>			
10.130.2111	240 x 115 x 235 mm vertically perforated brick	Qty	Factory	0,60
10.130.2112	240 x 145 x 235 mm vertically perforated brick	Qty	Factory	0,75
10.130.2113	240 x 175 x 235 mm vertically perforated brick	Qty	Factory	0,89
10.130.2114	290 x 190 x 235 mm vertically perforated brick	Qty	Factory	1,18
10.130.2115	240 x 240 x 235 mm vertically perforated brick	Qty	Factory	1,22
10.130.2116	240 x 250 x 235 mm vertically perforated brick	Qty	Factory	1,30
10.130.2117	240 x 300 x 235 mm vertically perforated brick	Qty	Factory	1,54
	<b>Vertically perforated LD unit bricks (TS EN 771-1+A1) (Class AB - Gross Dry Bulk Density 650 kg/m<sup>3</sup>) (length x width x height)</b>			
10.130.2131	290 x 190 x 135 mm vertically perforated brick	Qty	Factory	0,75
10.130.2132	390 x 190 x 190 mm vertically perforated brick	Qty	Factory	1,39
10.130.2133	290 x 240 x 135 mm vertically perforated brick	Qty	Factory	0,94

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.2134	390 x 190 x 135 mm vertically perforated brick	Qty	Factory	1,00
10.130.2135	290 x 240 x 190 mm vertically perforated brick	Qty	Factory	1,32
10.130.2136	390 x 240 x 190 mm vertically perforated brick	Qty	Factory	1,79
	<b>Vertically perforated LD unit bricks (TS EN 771-1+A1) (Class AB - Gross Dry Bulk Density 700 kg/m³) (length x width x height)</b>			
10.130.2151	290 x 190 x 135 mm vertically perforated brick	Qty	Factory	0,68
10.130.2152	390 x 190 x 190 mm vertically perforated brick	Qty	Factory	1,29
10.130.2153	290 x 240 x 135 mm vertically perforated brick	Qty	Factory	0,87
10.130.2154	390 x 190 x 135 mm vertically perforated brick	Qty	Factory	0,93
10.130.2155	290 x 240 x 190 mm vertically perforated brick	Qty	Factory	1,21
10.130.2156	390 x 240 x 190 mm vertically perforated brick	Qty	Factory	1,64
10.130.2157	250 x 380 x 190 mm vertically perforated brick	Qty	Factory	1,65
	<b>Vertically perforated LD unit bricks (TS EN 771-1+A1) (Class AB - Gross Dry Bulk Density 750 kg/m³) (length x width x height)</b>			
10.130.2171	290 x 190 x 135 mm vertically perforated brick	Qty	Factory	0,63
10.130.2172	390 x 190 x 190 mm vertically perforated brick	Qty	Factory	1,17
10.130.2173	290 x 240 x 135 mm vertically perforated brick	Qty	Factory	0,78
10.130.2174	390 x 190 x 135 mm vertically perforated brick	Qty	Factory	0,84
10.130.2175	290 x 240 x 190 mm vertically perforated brick	Qty	Factory	1,10
10.130.2176	390 x 240 x 190 mm vertically perforated brick	Qty	Factory	1,48
10.130.2177	250 x 380 x 190 mm vertically perforated brick	Qty	Factory	1,51
	<b>Vertically perforated exterior wall bricks (TS EN 771-1+A1) (HD unit) (length x width x height)</b>			
10.130.2191	190 x 90 x 50-mm vertically-perforated facing bricks	Qty	Factory	0,68
10.130.2192	190 x 90 x 85-mm vertically-perforated exterior wall bricks	Qty	Factory	1,17
10.130.2193	215 x 102 x 65-mm vertically-perforated exterior wall bricks	Qty	Factory	1,37
	<b>Vertically perforated bricks (TS EN 771-1+A1) (HD unit) (length x width x height)</b>			
10.130.2201	290 x 190 x 135 mm vertically perforated brick	Qty	Factory	0,97
	<b>Blend bricks (TS EN 771-1+A1) (length x width x height)</b>			
10.130.2211	190 x 90 x 50-mm solid blend bricks	Qty	Factory	0,35
10.130.2212	190 x 90 x 50-mm perforated blend bricks	Qty	Factory	0,35
	<b>Filler block bricks (TS 1261) (height x length x width)</b>			
10.130.2221	200 x 200 x 400-mm flooring filler bricks	Qty	Factory	1,33
10.130.2222	225 x 200 x 400-mm hollow flooring filler bricks	Qty	Factory	1,51
10.130.2223	250 x 200 x 400-mm hollow flooring filler bricks	Qty	Factory	1,67
10.130.2224	275 x 200 x 400-mm hollow flooring filler bricks	Qty	Factory	1,83
10.130.2225	300 x 200 x 400-mm flooring filler bricks	Qty	Factory	2,00
10.130.2226	325 x 200 x 400-mm hollow flooring filler bricks	Qty	Factory	2,16
10.130.2227	350 x 200 x 400-mm flooring filler bricks	Qty	Factory	2,32
	<b>Beam bricks (height x length x width)</b>			
10.130.2241	120 x 200 x 530-mm flooring beam filler bricks	Qty	Factory	0,85

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.2242	160 x 200 x 530-mm hollow flooring beam bricks	Qty	Factory	1,13
10.130.2243	200 x 200 x 530-mm hollow flooring beam bricks	Qty	Factory	1,43
10.130.2244	250 x 200 x 530-mm hollow flooring beam bricks	Qty	Factory	1,76
10.130.2245	300 x 200 x 530-mm hollow flooring beam bricks	Qty	Factory	2,12
10.130.2246	120 x 200 x 330-mm hollow flooring beam bricks	Qty	Factory	0,53
10.130.2247	160 x 200 x 330-mm hollow flooring beam bricks	Qty	Factory	0,70
10.130.2248	200 x 200 x 330-mm hollow flooring beam bricks	Qty	Factory	0,88
10.130.2249	250 x 200 x 330-mm hollow flooring beam bricks	Qty	Factory	1,10
10.130.2250	300 x 200 x 330-mm hollow flooring beam bricks	Qty	Factory	1,32
	<b>Chimney Bricks (TS EN 771-1+A1)</b>			
10.130.2261	190 x 190 x 190-mm round chimney bricks	Qty	Factory	0,93
10.130.2262	250 x 250 x 190-mm round chimney bricks	Qty	Factory	1,59
10.130.2263	260 x 260 x 190-mm round chimney bricks	Qty	Factory	1,72
10.130.2264	300 x 300 x 190-mm round chimney bricks	Qty	Factory	2,29
10.130.2265	240 x 240 x 190-mm square chimney bricks	Qty	Factory	1,47
10.130.2266	250 x 250 x 190-mm square chimney bricks	Qty	Factory	1,59
10.130.2267	240 x 190 x 190-mm rectangular chimney bricks	Qty	Factory	1,16
10.130.2268	300 x 190 x 190-mm rectangular chimney bricks	Qty	Factory	1,45
10.130.2269	390 x 190 x 190-mm shunt chimney bricks	Qty	Factory	1,88
10.130.2270	460 x 190 x 190-mm shunt chimney bricks	Qty	Factory	2,23
10.130.2271	350 x 350 x 190-mm round fireplace bricks	Qty	Factory	3,11
10.130.2272	300 x 200 x 190-mm rectangular fireplace bricks	Qty	Factory	1,52
10.130.2273	300 x 400 x 190-mm rectangular chimney bricks	Qty	Factory	3,03
	<b>Facing Bricks (TS EN 1304)</b>			
10.130.2281	15-mm thickness, any size, red (surface area: ≤ 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	62,00
10.130.2282	15-mm thickness, any size, brown (surface area: ≤ 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	68,00
10.130.2283	15-mm thickness, any size, yellow (surface area: ≤ 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	69,00
10.130.2284	15-mm thick, any size, white (surface area ≤ 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	84,00
10.130.2285	15-mm thick, any size, gray (surface area ≤ 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	90,00
10.130.2286	15-mm thick, any size, a mixture of different tones of colors (surface area ≤ 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	84,00
10.130.2287	15-mm thickness, any size, red (surface area: > 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	68,00
10.130.2288	15-mm thickness, any size, brown (surface area: > 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	76,00
10.130.2289	15-mm thickness, any size, yellow (surface area: > 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	77,00
10.130.2290	15-mm thick, any size, white (surface area > 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	95,00
10.130.2291	15-mm thick, any size, gray (surface area > 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	106,00
10.130.2292	15-mm thick, any size, a mixture of different tones of colors (surface area > 0.04 m <sup>2</sup> )	m <sup>2</sup>	On the job	96,00
	<b>Curtain Wall Bricks (TS EN 1304)</b>			
10.130.2311	16 to 30-mm thickness, any size, red (surface area: ≤ 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	94,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.2312	16 to 30-mm thickness, any size, brown (surface area: ≤ 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	99,00
10.130.2313	16 to 30-mm thickness, any size, yellow (surface area: ≤ 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	100,00
10.130.2314	16 to 30-mm thickness, any size, white (surface area: ≤ 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	118,00
10.130.2315	16 to 30-mm thickness, any size, gray (surface area: ≤ 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	129,00
10.130.2316	16 to 30-mm thick, any size, a mixture of different tones of colors (surface area ≤ 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	118,00
10.130.2317	16 to 30-mm thickness, any size, red (surface area: > 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	106,00
10.130.2318	16 to 30-mm thickness, any size, brown (surface area: > 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	112,00
10.130.2319	16 to 30-mm thickness, any size, yellow (surface area: > 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	113,00
10.130.2320	16 to 30-mm thickness, any size, white (surface area > 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	129,00
10.130.2321	16 to 30-mm thickness, any size, gray (surface area: > 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	141,00
10.130.2322	16 to 30-mm thick, any size, a mixture of different tones of colors (surface area > 0.15 m <sup>2</sup> )	m <sup>2</sup>	On the job	118,00
	<b>Floor Bricks (TS EN 1344) (Breaking load class T4, Abrasion resistance class A3, Slip/skid resistance class U3)</b>			
10.130.2341	210 X 105 X 40-mm floor bricks (red)	Qty	Factory	1,13
10.130.2342	210 X 105 X 50-mm floor bricks (red)	Qty	Factory	1,32
10.130.2343	210 X 105 X 65-mm floor bricks (red)	Qty	Factory	1,55
10.130.2344	210 X 105 X 40-mm floor bricks (brown)	Qty	Factory	1,20
10.130.2345	210 X 105 X 50-mm floor bricks (brown)	Qty	Factory	1,40
10.130.2346	210 X 105 X 65-mm floor bricks (brown)	Qty	Factory	1,67
10.130.2347	210 X 105 X 40-mm floor bricks (yellow)	Qty	Factory	1,83
10.130.2348	210 X 105 X 50-mm floor bricks (yellow)	Qty	Factory	2,10
10.130.2349	210 X 105 X 65-mm floor bricks (yellow)	Qty	Factory	2,47
	<b>EPS-insulated (EPS min. density 16 kg/m<sup>3</sup>) Sandwich Bricks (TS EN 771-1 + A1) (UTO) (Prices of other thicknesses will be interpolated)</b>			
10.130.2401	15 cm thickness	m <sup>2</sup>	On the job	29,00
10.130.2402	20 cm thickness	m <sup>2</sup>	On the job	38,00
10.130.2403	25 cm thickness	m <sup>2</sup>	On the job	47,00
	<b>Glass wool-insulated sandwich bricks (TS EN 771-1 + A1) (UTO) (Prices of other thicknesses will be interpolated)</b>			
10.130.2421	10 cm thickness	m <sup>2</sup>	On the job	59,00
10.130.2422	20 cm thickness	m <sup>2</sup>	On the job	70,00
10.130.2423	25-cm thickness	m <sup>2</sup>	On the job	90,00
	<b>Reinforced Brick Lintels (In any height)</b>			
10.130.2442	12 to 13.5 cm of thickness	m	On the job	55,00
10.130.2443	14.5 to 16 cm of thickness	m	On the job	58,00
10.130.2444	18.5 to 20 cm of thickness	m	On the job	63,00
10.130.2445	23.5 to 25 cm of thickness	m	On the job	70,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>Reinforced Brick Lintels with Insulation Layer (In any height)</b>			
10.130.2454	18.5 to 20 cm of thickness	m	On the job	70,00
	<b>AAC BUILDING MATERIALS AND BUILDING ELEMENTS</b>			
	<b>Unreinforced AAC wall blocks (2.50 N/mm<sup>2</sup> and 400 kg/m<sup>3</sup>) (TS EN 771-4+A1)</b>			
10.130.2501	Unreinforced AAC wall blocks	m <sup>3</sup>	Factory	170,00
10.130.2502	7.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	12,75
10.130.2503	8.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	14,45
10.130.2504	9-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	15,30
10.130.2505	10-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	17,00
10.130.2506	12.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	21,25
10.130.2507	13.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	22,95
10.130.2508	15-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	25,50
10.130.2509	17.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	29,75
10.130.2510	19-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	32,30
10.130.2511	20-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	34,00
10.130.2512	22.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	38,25
10.130.2513	25-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	42,50
10.130.2514	27.5-cm-thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	46,75
10.130.2515	30-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	51,00
10.130.2516	32.5-cm-thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	55,25
10.130.2517	35-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	59,50
	<b>Unreinforced AAC wall blocks (3.50 N/mm<sup>2</sup> and 500 kg/m<sup>3</sup>) (TS EN 771-4+A1)</b>			
10.130.2531	Unreinforced AAC wall blocks	m <sup>3</sup>	Factory	180,00
10.130.2532	7.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	13,50
10.130.2533	8.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	15,30
10.130.2534	9-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	16,20
10.130.2535	10-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	18,00
10.130.2536	12.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	22,50
10.130.2537	13.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	24,30
10.130.2538	15-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	27,00
10.130.2539	17.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	31,50
10.130.2540	19-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	34,20
10.130.2541	20-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	36,00
10.130.2542	22.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	40,50
10.130.2543	25-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	45,00
10.130.2544	27.5-cm-thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	49,50
10.130.2545	30-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	54,00
10.130.2546	32.5-cm-thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	58,50
10.130.2547	35-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	63,00
	<b>Unreinforced AAC wall blocks (5.00 N/mm<sup>2</sup> and 600 kg/m<sup>3</sup>) (TS EN 771-4+A1)</b>			
10.130.2561	Unreinforced AAC wall blocks	m <sup>3</sup>	Factory	190,00
10.130.2562	7.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	14,25
10.130.2563	8.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	16,15
10.130.2564	9-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	17,10

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.2565	10-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	19,00
10.130.2566	12.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	23,75
10.130.2567	13.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	25,65
10.130.2568	15-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	28,50
10.130.2569	17.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	33,25
10.130.2570	19-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	36,10
10.130.2571	20-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	38,00
10.130.2572	22.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	42,75
10.130.2573	25-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	47,50
10.130.2574	27.5-cm-thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	52,25
10.130.2575	30-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	57,00
10.130.2576	32.5-cm-thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	61,75
10.130.2577	35-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	66,50
	<b>Unreinforced AAC wall blocks (≥ 2.00 N/mm<sup>2</sup> and 350 kg/m<sup>3</sup>) (TS EN 771-4+A1)</b>			
10.130.2591	Unreinforced AAC wall blocks	m <sup>3</sup>	Factory	170,00
10.130.2592	7.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	12,75
10.130.2593	8.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	14,45
10.130.2594	9-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	15,30
10.130.2595	10-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	17,00
10.130.2596	12.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	21,25
10.130.2597	13.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	22,95
10.130.2598	15-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	25,50
10.130.2599	17.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	29,75
10.130.2600	19-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	32,30
10.130.2601	20-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	34,00
10.130.2602	22.5-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	38,25
10.130.2603	25-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	42,50
10.130.2604	27.5-cm-thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	46,75
10.130.2605	30-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	51,00
10.130.2606	32.5-cm-thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	55,25
10.130.2607	35-cm thickness, unreinforced AAC wall block	m <sup>2</sup>	Factory	59,50
	<b>AAC hollow blocks (2.50 N/mm<sup>2</sup> and 400 kg/m<sup>3</sup>) (TS EN 771-4+A1)</b>			
10.130.2621	AAC hollow blocks	m <sup>3</sup>	Factory	170,00
10.130.2622	15-cm-high AAC hollow block	m <sup>2</sup>	Factory	25,50
10.130.2623	17.5-cm-high AAC hollow block	m <sup>2</sup>	Factory	29,75
10.130.2624	20-cm-high AAC hollow block	m <sup>2</sup>	Factory	34,00
10.130.2625	22.5-cm-high AAC hollow block	m <sup>2</sup>	Factory	38,25
10.130.2626	25-cm-high AAC hollow block	m <sup>2</sup>	Factory	42,50
10.130.2627	27.5-cm-high AAC hollow block	m <sup>2</sup>	Factory	46,75
10.130.2628	30-cm-high AAC hollow block	m <sup>2</sup>	Factory	51,00
	<b>Reinforced AAC lintel (3.50 N/mm<sup>2</sup> and 500 kg/m<sup>3</sup>) (TS EN 845-2+A1)</b>			
10.130.2641	Reinforced AAC lintel	m <sup>3</sup>	Factory	480,00
10.130.2642	7.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	36,00
10.130.2643	8.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	40,80

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.2644	9-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	43,20
10.130.2645	10-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	48,00
10.130.2646	12.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	60,00
10.130.2647	13.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	64,80
10.130.2648	15-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	72,00
10.130.2649	17.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	84,00
10.130.2650	19-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	91,20
10.130.2651	20-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	96,00
10.130.2652	22.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	108,00
10.130.2653	25-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	120,00
10.130.2654	27.5-cm-thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	132,00
10.130.2655	30-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	144,00
10.130.2656	32,5-cm-thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	156,00
10.130.2657	35-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	168,00
	<b>Reinforced AAC lintel (5.00 N/mm<sup>2</sup> and 600 kg/m<sup>3</sup>) (TS EN 845-2+A1)</b>			
10.130.2671	Reinforced AAC lintel	m <sup>3</sup>	Factory	500,00
10.130.2672	7.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	37,50
10.130.2673	8.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	42,50
10.130.2674	9-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	45,00
10.130.2675	10-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	50,00
10.130.2676	12.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	62,50
10.130.2677	13.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	67,50
10.130.2678	15-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	75,00
10.130.2679	17.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	87,50
10.130.2680	19-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	95,00
10.130.2681	20-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	100,00
10.130.2682	22.5-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	112,50
10.130.2683	25-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	125,00
10.130.2684	27.5-cm-thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	137,50
10.130.2685	30-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	150,00
10.130.2686	32,5-cm-thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	162,50
10.130.2687	35-cm thickness, reinforced AAC lintel	m <sup>2</sup>	Factory	175,00
	<b>Reinforced AAC flooring (5.00 N/mm<sup>2</sup> and 600 kg/m<sup>3</sup>) (TS EN 12602)</b>			
10.130.2701	Reinforced AAC flooring component	m <sup>3</sup>	Factory	480,00
10.130.2702	10-cm thickness reinforced AAC flooring	m <sup>2</sup>	Factory	48,00
10.130.2703	12.5-cm thickness reinforced AAC flooring	m <sup>2</sup>	Factory	60,00
10.130.2704	15-cm thickness reinforced AAC flooring	m <sup>2</sup>	Factory	72,00
10.130.2705	17.5-cm thickness reinforced AAC flooring	m <sup>2</sup>	Factory	84,00
10.130.2706	20-cm thickness reinforced AAC flooring	m <sup>2</sup>	Factory	96,00
10.130.2707	22.5-cm thickness reinforced AAC flooring	m <sup>2</sup>	Factory	108,00
10.130.2708	25-cm thickness reinforced AAC flooring	m <sup>2</sup>	Factory	120,00
10.130.2709	27.5-cm thickness reinforced AAC flooring	m <sup>2</sup>	Factory	132,00
	<b>Reinforced AAC roofing component (3.50 N/mm<sup>2</sup> and 500 kg/m<sup>3</sup>) (TS EN 12602)</b>			
10.130.2721	Reinforced AAC roofing component	m <sup>3</sup>	Factory	420,00



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.2722	10-cm thickness, reinforced AAC roofing	m <sup>2</sup>	Factory	42,00
10.130.2723	12.5-cm thickness reinforced AAC roofing	m <sup>2</sup>	Factory	52,50
10.130.2724	15-cm thickness, reinforced AAC roofing	m <sup>2</sup>	Factory	63,00
10.130.2725	17.5-cm thickness, reinforced AAC roofing	m <sup>2</sup>	Factory	73,50
10.130.2726	20-cm thickness, reinforced AAC roofing	m <sup>2</sup>	Factory	84,00
	<b>Reinforced AAC roofing component (5.00 N/mm<sup>2</sup> and 600 kg/m<sup>3</sup>) (TS EN 12602)</b>			
10.130.2731	Reinforced AAC roofing component	m <sup>3</sup>	Factory	480,00
10.130.2732	10-cm thickness, reinforced AAC roofing	m <sup>2</sup>	Factory	48,00
10.130.2733	12.5-cm thickness reinforced AAC roofing	m <sup>2</sup>	Factory	60,00
10.130.2734	15-cm thickness, reinforced AAC roofing	m <sup>2</sup>	Factory	72,00
10.130.2735	17.5-cm thickness, reinforced AAC roofing	m <sup>2</sup>	Factory	84,00
10.130.2736	20-cm thickness, reinforced AAC roofing	m <sup>2</sup>	Factory	96,00
	<b>Reinforced AAC wall component (3.50 N/mm<sup>2</sup> and 500 kg/m<sup>3</sup>) (TS EN 12602)</b>			
10.130.2741	Reinforced AAC wall component	m <sup>3</sup>	Factory	430,00
10.130.2742	10-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	43,00
10.130.2743	12.5-cm thickness reinforced AAC wall component	m <sup>2</sup>	Factory	53,75
10.130.2744	15-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	64,50
10.130.2745	17.5-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	75,25
10.130.2746	20-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	86,00
10.130.2747	22.5-cm thickness reinforced AAC wall component	m <sup>2</sup>	Factory	96,75
10.130.2748	25-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	107,50
10.130.2749	27.5-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	118,25
10.130.2750	30-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	129,00
	<b>Reinforced AAC wall component (5.00 N/mm<sup>2</sup> and 600 kg/m<sup>3</sup>) (TS EN 12602)</b>			
10.130.2761	Reinforced AAC wall component	m <sup>3</sup>	Factory	500,00
10.130.2762	10-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	50,00
10.130.2763	12.5-cm thickness reinforced AAC wall component	m <sup>2</sup>	Factory	62,50
10.130.2764	15-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	75,00
10.130.2765	17.5-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	87,50
10.130.2766	20-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	100,00
10.130.2767	22.5-cm thickness reinforced AAC wall component	m <sup>2</sup>	Factory	112,50
10.130.2768	25-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	125,00
10.130.2769	27.5-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	137,50
10.130.2770	30-cm thickness, reinforced AAC wall component	m <sup>2</sup>	Factory	150,00
	<b>Unreinforced AAC insulation slabs (2.50 N/mm<sup>2</sup> and 400 kg/m<sup>3</sup>) (TS EN 771-4+A1)</b>			
10.130.2781	Unreinforced AAC insulation panels	m <sup>3</sup>	Factory	170,00
10.130.2782	5-cm thickness, unreinforced AAC insulation slab	m <sup>2</sup>	Factory	8,50
10.130.2783	7.5-cm thickness, unreinforced AAC insulation slab	m <sup>2</sup>	Factory	12,75
10.130.2784	8.5-cm thickness, unreinforced AAC insulation slab	m <sup>2</sup>	Factory	14,45
10.130.2785	10-cm thickness, unreinforced AAC insulation slab	m <sup>2</sup>	Factory	17,00
10.130.2786	12.5-cm thickness, unreinforced AAC insulation slab	m <sup>2</sup>	Factory	21,25
10.130.2787	15-cm thickness, unreinforced AAC insulation slab	m <sup>2</sup>	Factory	25,50
10.130.2788	17.5-cm thickness, unreinforced AAC insulation slab	m <sup>2</sup>	Factory	29,75
10.130.2789	20-cm thickness, unreinforced AAC insulation slab	m <sup>2</sup>	Factory	34,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.2790	AAC adhesive	Kg	On the job	0,53
	<b>PUMICE CONCRETE BUILDING ELEMENTS</b>			
	<b>Non-carrier pumice concrete wall blocks (TS EN 771-3+A1) min. 1.5 N/mm<sup>2</sup> and Exposed Dry Bulk Density 600-900 kg/m<sup>3</sup> (excluding 900)</b>			
10.130.2901	9-cm thickness, non-carrier pumice concrete wall block	m <sup>2</sup>	Factory	6,40
10.130.2902	10-cm thickness, non-carrier pumice concrete wall block	m <sup>2</sup>	Factory	7,20
10.130.2903	13.5-cm thickness, non-carrier pumice concrete wall block	m <sup>2</sup>	Factory	9,70
10.130.2904	15-cm thickness, non-carrier pumice concrete wall block	m <sup>2</sup>	Factory	10,80
10.130.2905	17.5-cm thickness, non-carrier pumice concrete wall block	m <sup>2</sup>	Factory	12,80
10.130.2906	19-cm thickness, non-carrier pumice concrete wall block	m <sup>2</sup>	Factory	13,80
10.130.2907	25-cm thickness, non-carrier pumice concrete wall block	m <sup>2</sup>	Factory	18,80
10.130.2908	30-cm thickness, non-carrier pumice concrete wall block	m <sup>2</sup>	Factory	22,00
	<b>Carrier pumice concrete blocks (TS EN 771-3 + A1) min. 5 N/mm<sup>2</sup> and Gross Dry Bulk Density min. 900 kg/m<sup>3</sup></b>			
10.130.2921	10-cm thickness, carrier pumice concrete wall block	m <sup>2</sup>	Factory	8,40
10.130.2922	15-cm thickness, carrier pumice concrete wall block	m <sup>2</sup>	Factory	12,50
10.130.2923	19-cm thickness, carrier pumice concrete wall block	m <sup>2</sup>	Factory	16,00
	<b>Pumice concrete hollow blocks (TS 407)</b>			
10.130.2931	20-cm-high pumice concrete hollow block	m <sup>2</sup>	Factory	12,30
10.130.2932	22-cm-high pumice concrete hollow block	m <sup>2</sup>	Factory	13,50
10.130.2933	23-cm-high pumice concrete hollow block	m <sup>2</sup>	Factory	14,10
10.130.2934	25-cm-high pumice concrete hollow block	m <sup>2</sup>	Factory	15,50
10.130.2935	28-cm-high pumice concrete hollow block	m <sup>2</sup>	Factory	17,30
10.130.2936	30-cm-high pumice concrete hollow block	m <sup>2</sup>	Factory	18,60
10.130.2937	32-cm-high pumice concrete hollow block	m <sup>2</sup>	Factory	19,80
10.130.2938	35-cm-high pumice concrete hollow block	m <sup>2</sup>	Factory	21,70
	<b>Unreinforced pumice concrete lintel (TS 407)</b>			
10.130.2951	10-cm thickness, reinforced pumice concrete lintel	m <sup>2</sup>	Factory	31,00
10.130.2952	13.5-cm thickness, reinforced pumice concrete lintel	m <sup>2</sup>	Factory	42,00
10.130.2953	15-cm thickness, reinforced pumice concrete lintel	m <sup>2</sup>	Factory	47,00
10.130.2954	19-cm thickness, reinforced pumice concrete lintel	m <sup>2</sup>	Factory	60,00
10.130.2955	Pumice concrete binding glue	Kg	On the job	0,40
	<b>Non-carrier, Light Aggregate Concrete Masonry Units (Gross Dry Bulk Density: 300 - 600 kg/m<sup>3</sup>) (TS EN 771-3 + A1)</b>			
10.130.3001	9 cm thickness	m <sup>2</sup>	Factory	9,80
10.130.3002	14 cm thickness	m <sup>2</sup>	Factory	15,30
10.130.3003	19 cm thickness	m <sup>2</sup>	Factory	20,80
10.130.3004	24 cm thickness	m <sup>2</sup>	Factory	26,30
10.130.3005	29 cm thickness	m <sup>2</sup>	Factory	31,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>Non-carrier, Light Aggregate Concrete Masonry Units with Four Pores Filled (Gross Dry Bulk Density: 745 kg/m³) (TS EN 771-3 + A1) + (UTO)</b>			
10.130.3054	19-cm thickness	m <sup>2</sup>	Factory	22,00
10.130.3056	22.5-cm thickness	m <sup>2</sup>	On the job	26,00
	<b>Sandwich Light Masonry Units with Insulation Layer (EPS density min. 16 kg/m³) (TS 13565)</b>			
10.130.3101	Wall block with a total thickness of 14 cm, EPS thickness of min. 5.5 cm, and compression strength of 2.5 N/mm <sup>2</sup> .	m <sup>2</sup>	On the job	57,00
10.130.3102	Wall block with a total thickness of 15 cm, EPS thickness of min. 6 cm, and compression strength of 0.9 N/mm <sup>2</sup> .	m <sup>2</sup>	On the job	28,00
10.130.3103	Wall block with a total thickness of 19 cm, EPS thickness of min. 6 cm, and compression strength of 0.9 N/mm <sup>2</sup> .	m <sup>2</sup>	On the job	30,00
10.130.3104	Wall block with a total thickness of 19.5 cm, EPS thickness of min. 8.5 cm, and compression strength of 2.5 N/mm <sup>2</sup> .	m <sup>2</sup>	On the job	65,00
10.130.3105	Wall block with a total thickness of 20 cm, EPS thickness of min. 6 cm, and compression strength of 1.0 N/mm <sup>2</sup> .	m <sup>2</sup>	On the job	31,00
10.130.3106	14-cm thickness lintel	m <sup>2</sup>	On the job	360,00
10.130.3107	19.5-cm thickness lintel	m <sup>2</sup>	On the job	410,00
10.130.3108	Hollow block with a total thickness of 20 cm and EPS thickness of min. 13 cm	m <sup>2</sup>	On the job	55,00
10.130.3109	Hollow block with a total thickness of 22.5 cm and EPS thickness of min. 14 cm	m <sup>2</sup>	On the job	59,00
10.130.3110	Hollow block with a total thickness of 25 cm and EPS thickness of min. 15 cm	m <sup>2</sup>	On the job	60,00
	<b>Calcium silicate masonry units (For walls) (TS EN 771-2+A1)</b>			
10.130.3201	37.5 x 11.5 x 19 cm	Qty	On the job	0,80
10.130.3202	37.5 x 19 x 19 cm	Qty	On the job	1,36
10.130.3203	37.5 x 24 x 19 cm	Qty	On the job	1,52
	<b>Gypsum Blocks (TS EN 12859)</b>			
10.130.3251	8-cm thickness, hollow gypsum block	m <sup>2</sup>	On the job	40,00
10.130.3252	10-cm thickness, hollow gypsum block	m <sup>2</sup>	On the job	44,00
	<b>OTHER SHEET AND BLOCK PRODUCTS</b>			
10.130.3301	Panels and blocks made of expanded perlite (TS EN 13169 + A1)	m <sup>3</sup>	On the job	230,00
10.130.3401	Non-carrier foam concrete masonry units (TS 13565)	m <sup>3</sup>	On the job	150,00
10.130.3501	EPS-added concrete blocks and panels (TS 13565)	m <sup>3</sup>	On the job	160,00
	<b>CLAY TILES (TS EN 1304) (TIGHTNESS CLASS: GROUP 1)</b>			
10.130.4001	Top and bottom bricks (Pantile) (Resistant to 150 freeze - thaw cycles)	m <sup>2</sup>	Factory	35,00
10.130.4002	Top and bottom bricks (Pantile) (Resistant to 90 freeze - thaw cycles)	m <sup>2</sup>	Factory	31,00
10.130.4003	Top and bottom channel tiles (Pantile) (Engobe/clay-based roofing) (Resistant to 150 freeze - thaw cycles)	m <sup>2</sup>	Factory	45,00
10.130.4004	Top and bottom channel tiles (Pantile) (Engobe/clay-based roofing) (Resistant to 90 freeze - thaw cycles)	m <sup>2</sup>	Factory	39,00

**Market Prices for Construction Materials**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>PURCHASING LOCATION</b>	<b>MARKET PRICE (TRY)</b>
10.130.4005	Side- and top-interlocked tiles (resistant to 150 freeze-thaw cycles)	m <sup>2</sup>	Factory	18,00
10.130.4006	Side- and top-interlocked tiles (resistant to 90 freeze-thaw cycles)	m <sup>2</sup>	Factory	16,00
10.130.4007	Side and top-interlocking (Engobe/clay-based roofing) (Resistant to 150 freeze - thaw cycles)	m <sup>2</sup>	Factory	26,00
10.130.4008	Side and top-interlocking (Engobe/clay-based roofing) (Resistant to 90 freeze - thaw cycles)	m <sup>2</sup>	Factory	24,00
10.130.4009	Fittings (ridge) (resistant to 150 freeze-thaw cycles)	m	Factory	5,90
10.130.4010	Fittings (ridge) (resistant to 90 freeze-thaw cycles)	m	Factory	3,90
10.130.4011	Fittings (ridge) (Engobe/clay-based fired roofing) (resistant to 150 freeze-thaw cycles)	m	Factory	7,80
10.130.4012	Fittings (ridge) (Engobe/clay-based fired roofing) (resistant to 90 freeze-thaw cycles)	m	Factory	5,90
	<b>CONCRETE (INTERLOCKING) ROOF TILES (TS EN 490+A1)</b>			
10.130.4101	Concrete tile (colorless)	m <sup>2</sup>	Factory	17,00
10.130.4102	Concrete ridge tile (colorless)	m	Factory	10,70
10.130.4103	Concrete tile (painted in iron oxide)	m <sup>2</sup>	Factory	21,20
10.130.4104	Concrete ridge tile (painted in iron oxide)	m	Factory	14,10
10.130.4105	Concrete tile (painted in iron oxide - color-glazed)	m <sup>2</sup>	Factory	25,50
10.130.4106	Concrete ridge tile (painted in iron oxide - color-glazed)	m	Factory	17,70
	<b>Concrete tiles with 100% perlite aggregate</b>			
10.130.4121	Perlite concrete tile (colorless)	m <sup>2</sup>	Factory	13,50
10.130.4122	Perlite concrete ridge tile (colorless)	m	Factory	9,20
10.130.4123	Perlite concrete tile (painted in iron oxide)	m <sup>2</sup>	Factory	17,00
10.130.4124	Perlite concrete ridge tile (painted in iron oxide)	m	Factory	11,00
10.130.4125	Perlite concrete tile (painted in iron oxide - color-glazed)	m <sup>2</sup>	Factory	21,00
10.130.4126	Perlite concrete ridge tile (painted in iron oxide - color-glazed)	m	Factory	16,00
	Notice: All sections of the iron-oxide painted concrete/perlite concrete tiles shall be colored. The sections of concrete/perlite concrete tiles, which are painted in iron-oxide and coated with colored glaze, shall also be fully colored and their surfaces shall be glazed in the same color.			
	<b>Tile accessory and fitting parts</b>			
10.130.4201	Purlin carrier profile (with height setting - Aluminum)	Qty	On the job	4,27
10.130.4202	Ridge ventilation strip (self-adhesive)	m	On the job	21,20
10.130.4203	Ridge fixing apparatus	Qty	On the job	1,46
10.130.4204	Wall/manhole bottom strip (Polybutylene/vulcanized thermoplastic (TPV)-coated, aluminum-reinforced, self-adhesive, UV-resistant - 25/40-cm wide)	m	On the job	42,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.4205	Wall/manhole bottom strip (Polybutylene/vulcanized thermoplastic (TPV)-coated, aluminum-reinforced, self-adhesive, UV-resistant - 50/60-cm wide)	m	On the job	78,00
10.130.4206	Aluminum pressure bar (6 cm wide, every color)	m	On the job	7,10
10.130.4207	PVC-based, self-channeled, UV-resistant, vane-type groove/ inclined gutter water insulation (min. 50 cm wide - every color)	m	On the job	31,00
10.130.4208	Self-channeled, UV-resistant, vane-type groove/inclined gutter water insulation made of aluminum (min. 50 cm wide - every color)	m	On the job	24,00
10.130.4209	Pantile fixing apparatus	Qty	On the job	0,26
10.130.4210	Eaves Vent Combs	Qty	On the job	3,90
	<b>WOODEN CONSTRUCTION SUPPLIES (Timber chopped in every size)</b>			
10.130.4501	Pine wood (class I) (TS 1265) (TS EN 844-6, 9, 12) (TS EN 1309-1, TS EN 1310, TS EN 1311, TS EN 1313-1, 2)	m <sup>3</sup>	On the job	1.800,00
10.130.4502	Pine wood (class II) (TS 1265) (TS EN 844-6, 9, 12) (TS EN 1309-1, TS EN 1310, TS EN 1311, TS EN 1313-1, 2)	m <sup>3</sup>	On the job	1.050,00
10.130.4503	Structural round timber (Pine) (class II) (TS EN 1927-1, 2, 3, TS EN 1310)	m <sup>3</sup>	On the job	600,00
10.130.4504	White pine (Fir) (Class I) (TS EN 844-6, 9, 12) (TS EN 1309-1, TS EN 1310, TS EN 1311, TS EN 1313-1, 2)	m <sup>3</sup>	On the job	1.100,00
10.130.4505	White pine (Fir) (Class II) (TS EN 844-6, 9, 12) (TS EN 1309-1, TS EN 1310, TS EN 1311, TS EN 1313-1, 2)	m <sup>3</sup>	On the job	1.030,00
10.130.4506	Poplar wood (TS 1249 EN 975-2)	m <sup>3</sup>	On the job	630,00
10.130.4507	Oak wood (TS EN 975-1, TS EN 942)	m <sup>3</sup>	On the job	2.300,00
10.130.4508	Walnut wood	m <sup>3</sup>	On the job	2.800,00
10.130.4509	Beech wood (TS EN 975-1, TS EN 942)	m <sup>3</sup>	On the job	1.450,00
	<b>Plywood mold materials (TS EN 636+A1)</b>			
10.130.4601	Non-film-coated, 15 mm	m <sup>2</sup>	On the job	38,00
10.130.4602	Non-film-coated, 18 mm	m <sup>2</sup>	On the job	44,00
10.130.4603	Non-film-coated, 21 mm	m <sup>2</sup>	On the job	51,00
10.130.4604	Film-coated, 15 mm	m <sup>2</sup>	On the job	48,00
10.130.4605	Film-coated, 18 mm	m <sup>2</sup>	On the job	53,00
10.130.4606	Film-coated, 21 mm	m <sup>2</sup>	On the job	60,00
10.130.4607	I-section wooden beam (bottom and top caps min. 40 x 80 mm)	m	On the job	28,00
	<b>Slaked powder lime (bagged) (TS EN 459-1, TS EN 459-2)</b>			
10.130.6001	Calcium lime CL 70S slaked powder lime (bagged)	Tons	On the job	285,00
10.130.6002	Calcium lime CL 80SCalcium lime CL 70S slaked powder lime (bagged)	Tons	On the job	305,00
10.130.6003	Calcium lime CL 90SCalcium lime CL 70S slaked powder lime (bagged)	Tons	On the job	330,00
10.130.6011	Hydraulic lime (HL 3.5)	Tons	On the job	480,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.130.6012	Natural hydraulic lime (NHL 3.5)	Tons	On the job	1.885,00
10.130.6021	Unslaked fragmented calcium lime	Kg	On the job	0,22
	<b>Water</b>			
10.130.9991	Water	m <sup>3</sup>	On the job	6,84
	<b>EXPLOSIVE AND COMBUSTIBLE SUPPLIES</b>			
10.160.1001	Gelatinous Dynamite	Kg	On the job	13,08
10.160.1002	Emulsion-type explosive (capsule-sensitive, water-resistant)	Kg	On the job	4,48
10.160.1003	Ammonium nitrate, fuel-oil mixture (non-capsule-sensitive)	Kg	On the job	4,42
10.160.1004	Detonating cord (Tarry, Safety-enabled, Detonating)	m	On the job	1,55
10.160.1005	Capsule (Regular)	Qty	On the job	0,81
10.160.1006	Delayed Action (Capsule)	Qty	On the job	3,18
	<b>Capsule (Electric)</b>	Qty	On the job	
10.160.1021	1.50-m wire length	Qty	On the job	2,54
10.160.1022	2.50-m wire length	Kg	On the job	2,64
10.160.1023	Kerosene	Kg	On the job	4,97
10.160.1024	Liquid petroleum gas (LPG)	Kg	On the job	5,35
10.160.1025	Gasoline	Kg	On the job	6,72
10.160.1026	Diesel fuel	Kg	On the job	5,62
10.160.1027	Lubricating oil	Kg	On the job	6,70
10.160.1028	Waste oil	Kg	On the job	0,44
10.160.1029	Cotton waste	Kg	On the job	1,95
10.160.1030	Electric power	kWh	On the job	0,57
10.160.1031	Carbide	Kg	On the job	2,00
10.160.1032	Oxygen cylinder, 20 lt.	Qty	On the job	33,00
10.160.1033	Pressiometer pressurized air cylinder (20 lt. fill)	Qty	On the job	32,00
10.160.1034	Technical Ammonium Nitrate	Kg	On the job	1,98
10.160.1035	Electrode (3.25 to 4 mm in diameter) (TS EN ISO 2560)	Qty	On the job	0,23
	<b>WOODEN CONSTRUCTION MATERIALS</b>			
	<b>WOOD FLOORING (TS EN 13226)</b>			
	<b>Processed flooring (Oak) (class I)</b>			
10.170.1001	15-16 mm thickness	m <sup>2</sup>	On the job	70,00
	<b>Processed flooring (Oak) (class II)</b>			
10.170.1011	15-16 mm thickness	m <sup>2</sup>	On the job	64,00
	<b>Processed flooring (Oak) (class III)</b>			
10.170.1021	15-16 mm thickness	m <sup>2</sup>	On the job	58,00
	<b>Processed flooring (Beech) (class I)</b>			
10.170.1031	15-16 mm thickness	m <sup>2</sup>	On the job	55,00
	<b>Processed flooring (Beech) (class II)</b>			
10.170.1041	15-16 mm thickness	m <sup>2</sup>	On the job	49,00
	<b>Processed flooring (Beech) (class III)</b>			
10.170.1051	15-16 mm thickness	m <sup>2</sup>	On the job	43,00
	<b>Laminate Flooring (TS EN 13329+A1)</b>			
10.170.1201	AC1 Class 21	m <sup>2</sup>	On the job	23,00

**Market Prices for Construction Materials**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>PURCHASING LOCATION</b>	<b>MARKET PRICE (TRY)</b>
10.170.1202	AC3 Class 23-31	m <sup>2</sup>	On the job	25,00
10.170.1203	AC4 Class 32	m <sup>2</sup>	On the job	30,00
10.170.1251	5-6-mm thickness, AC 4 Class 32, Water-proof PVC Flooring, Heterogeneous Group T (TS EN ISO 10581)	m <sup>2</sup>	On the job	60,00
	<b>MULTI-LAYER FLOORING COMPONENTS</b>			
10.170.1401	Multi-layer flooring component in round, square and triangle classes for oak and other leafed (hard wood) tree types. (Type: 1) (TS EN 13489)	m <sup>2</sup>	On the job	106,00
10.170.1402	Multi-layer flooring component in free class for oak and other leafed (hard wood) tree types. (Type: 4) (TS EN 13489)	m <sup>2</sup>	On the job	112,00
	<b>WOOD PLATING (TS 1250)</b>			
10.170.1601	Walnut veneer (0.8 mm thickness)	m <sup>2</sup>	On the job	13,50
10.170.1602	Oak veneer (0.8 mm thickness)	m <sup>2</sup>	On the job	9,50
10.170.1603	Mahogany veneer (0.6 mm thickness)	m <sup>2</sup>	On the job	7,75
10.170.1604	Beech veneer (0.8 mm thickness)	m <sup>2</sup>	On the job	4,25
	<b>TIMBERS MODIFIED BY THERMAL TREATMENT</b>			
10.170.1701	Thermally treated (185-212°C) 19-mm thickness siding with Class I pine wood (TSE CEN / TS 15679)	m <sup>2</sup>	On the job	156,00
10.170.1702	Thermally treated (185-212°C) 26-mm thickness flooring with Class I pine wood (TSE CEN / TS 15679)	m <sup>2</sup>	On the job	165,00
10.170.1703	Thermally treated (185-212°C) 19-mm thickness siding and flooring with Class I iroko wood (TSE CEN / TS 15679)	m <sup>2</sup>	On the job	262,00
10.170.1704	Thermally treated (185-212°C) 21-mm thickness siding and flooring with Class I ash wood (TSE CEN / TS 15679)	m <sup>2</sup>	On the job	226,00
10.170.1705	Thermally treated (185-212°C) 25-mm thickness siding and flooring with Class I ash wood (TSE CEN / TS 15679)	m <sup>2</sup>	On the job	273,00
10.170.1721	Thermally treated (185-212°C) Class I Pine Wood (TSE CEN / TS 15679)	m <sup>3</sup>	On the job	6.000,00
10.170.1722	Thermally treated (185-212°C) Class I Ash Wood (TSE CEN / TS 15679)	m <sup>3</sup>	On the job	8.750,00
10.170.1723	Thermally treated (185-212°C) Class I Iroko Wood (TSE CEN / TS 15679)	m <sup>3</sup>	On the job	9.500,00
	<b>PLYWOOD (TS EN 636+A1)</b>			
10.170.1801	Plywood (Prices of different thicknesses shall be estimated by proportion)	m <sup>3</sup>	On the job	2.400,00
	<b>Oriented Strand Boards (OSB) TS EN 300</b>			
	<b>Used as a load carrier under dry conditions (OSB/2 Type)</b>			
10.170.1901	6 mm thickness	m <sup>2</sup>	On the job	9,70
10.170.1902	9 mm thickness	m <sup>2</sup>	On the job	10,20
10.170.1903	11 mm thickness	m <sup>2</sup>	On the job	10,60
10.170.1904	15 mm thickness	m <sup>2</sup>	On the job	16,20
10.170.1905	18 mm thickness	m <sup>2</sup>	On the job	19,50
10.170.1906	22 mm thickness	m <sup>2</sup>	On the job	23,80

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>Used as a load carrier under humid conditions (OSB/3 Type)</b>			
10.170.1921	6 mm thickness	m <sup>2</sup>	On the job	10,30
10.170.1922	9 mm thickness	m <sup>2</sup>	On the job	10,80
10.170.1923	11 mm thickness	m <sup>2</sup>	On the job	12,60
10.170.1924	15 mm thickness	m <sup>2</sup>	On the job	17,50
10.170.1925	18 mm thickness	m <sup>2</sup>	On the job	20,80
10.170.1926	22 mm thickness	m <sup>2</sup>	On the job	25,60
	<b>Wood fiber boards (TS 64-1 EN 622-1, TS 64-2 EN 622-2, TS 64-3 EN 622-3, TS EN 622-4) (TS EN 622-5)</b>			
10.170.2001	Flat, 3.0 mm	m <sup>2</sup>	On the job	5,25
10.170.2002	Flat, 4 mm	m <sup>2</sup>	On the job	6,00
10.170.2003	Flat, 5 mm	m <sup>2</sup>	On the job	7,40
10.170.2004	Ceiling board, perforated (40 x 40 cm), 3.0-mm thick	Qty	On the job	1,80
10.170.2005	Ceiling board, perforated, coated, (40 x 40 cm), 3.0-mm thick	Qty	On the job	2,55
10.170.2006	Ceiling board, perforated (40 x 80 cm), 3.0-mm thick	Qty	On the job	2,40
10.170.2007	Ceiling board, perforated, coated, (40 x 80 cm), 3.0-mm thick	m <sup>2</sup>	On the job	3,65
10.170.2008	4-mm thick, with rope	m <sup>2</sup>	On the job	2,65
10.170.2009	Soft boards of wood fiber boards (12.7 mm)	m <sup>2</sup>	On the job	3,65
	<b>PARTICLE BOARDS (TS EN 309, TS EN 310, TS EN 312, TS EN 317, TS EN 319, TS EN 322, TS EN 323, TS EN 324-1, TS EN 324-2, TS EN 325, TS EN 326-1)</b>			
10.170.2101	4 mm thickness	m <sup>2</sup>	On the job	5,25
10.170.2102	6 mm thickness	m <sup>2</sup>	On the job	6,95
10.170.2103	8 mm thickness	m <sup>2</sup>	On the job	7,80
10.170.2104	10 mm thickness	m <sup>2</sup>	On the job	8,95
10.170.2105	13 mm thickness	m <sup>2</sup>	On the job	10,05
10.170.2106	16 mm thickness	m <sup>2</sup>	On the job	11,15
10.170.2107	19 mm thickness	m <sup>2</sup>	On the job	12,50
10.170.2108	For 22 mm thickness	m <sup>2</sup>	On the job	13,65
10.170.2109	25 mm thickness	m <sup>2</sup>	On the job	14,75
10.170.2110	30 mm thickness	m <sup>2</sup>	On the job	17,80
10.170.2111	35-mm thickness board perforated to cross sections (TS 3482)	m <sup>2</sup>	On the job	22,50
10.170.2112	38-mm thickness board perforated to cross sections (TS 3482)	m <sup>2</sup>	On the job	24,55
	<b>SYNTHETIC RESIN-BASED PARTICLE BOARDS (TS 1770) (any color and pattern)</b>			
10.170.2201	8 mm thickness	m <sup>2</sup>	On the job	11,75
10.170.2202	18 mm thickness	m <sup>2</sup>	On the job	19,55
10.170.2203	30 mm thickness	m <sup>2</sup>	On the job	33,15
	<b>PROFILED SHEETS WITH CHEMICAL CELLULOSIC COATING ON 17 MM PARTICLE BOARDS (Colorful - Decorative) (TS 4616)</b>			
10.170.2401	For internal coating:	m <sup>2</sup>	On the job	99,00
10.170.2402	For external coating:	m <sup>2</sup>	On the job	135,00



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>DECORATIVE LAMINATE BOARDS (TS EN 438-1) (High-pressure-compressed thermoset resin-based)</b>			
	<b>A- Standard laminate boards (Various colors, patterns and surface forms)</b>			
10.170.2451	0.65 mm thickness	m <sup>2</sup>	On the job	17,80
10.170.2452	1.00 mm thickness	m <sup>2</sup>	On the job	21,00
	<b>B- Laminate boards that can be shaped later (various colors, patterns and surface forms)</b>			
10.170.2501	0.65 mm thickness	m <sup>2</sup>	On the job	19,70
	<b>C- Compact Laminated boards (various colors, patterns and surface forms)</b>			
10.170.2551	2 mm thickness	m <sup>2</sup>	On the job	44,00
10.170.2552	20 mm thickness	m <sup>2</sup>	On the job	343,00
	Note: Other thicknesses shall be interpolated.			
	<b>DECORATIVE LAMINATED-LAMINATE BOARDS USED OUTSIDE (TS EN 438-6) High-pressure-compressed thermoset resin-based</b>			
10.170.2601	Compact laminated board, 4-mm thick	m <sup>2</sup>	On the job	117,00
10.170.2602	Compact laminated board, 6-mm thick	m <sup>2</sup>	On the job	137,00
10.170.2603	Compact laminated board, 8-mm thick	m <sup>2</sup>	On the job	157,00
10.170.2604	Compact laminated board, 10-mm thick	m <sup>2</sup>	On the job	175,00
10.170.2605	Compact laminated board, 12-mm thick	m <sup>2</sup>	On the job	195,00
10.170.2621	Compact laminated board, 4-mm thick, two faces	m <sup>2</sup>	On the job	137,00
10.170.2622	Compact laminated board, 6-mm thick, two faces	m <sup>2</sup>	On the job	157,00
10.170.2623	Compact laminated board, 8-mm thick, two faces	m <sup>2</sup>	On the job	175,00
10.170.2624	Compact laminated board, 10-mm thick, two faces	m <sup>2</sup>	On the job	195,00
10.170.2625	Compact laminated board, 12-mm thick, two faces	m <sup>2</sup>	On the job	216,00
	Note: Other thicknesses shall be interpolated.			
	<b>METAL MATERIALS</b>			
	<b>STEEL SHEETS AND PLATES</b>			
10.200.1001	Black flat metal sheet (1.5 mm thickness)	Kg	Factory	2,96
10.200.1002	Black flat metal sheet (2.0 mm thickness)	Kg	Factory	2,83
10.200.1003	Black flat metal sheet (2.5 mm thickness and above) (1200 x 2400 HRU) and others	Kg	Factory	2,78
	<b>COLD-ROLLED STEEL ROLL, DC01 QUALITY (1100 mm width (inclusive) small) (TS EN 10130) Note: Also, if it is done, an extra charge of 5% for side trimming, 5% for length trimming and 5% for galvanizing (hot dip) shall be applicable.</b>			
10.200.1101	0.29 mm (inclusive, small) thickness	Kg	Factory	3,98
10.200.1102	0.30 mm - 0.34 mm thickness	Kg	Factory	3,74
10.200.1103	0.35 mm - 0.39 mm thickness	Kg	Factory	3,70
10.200.1104	0.40 mm - 0.44 mm thickness	Kg	Factory	3,63
10.200.1105	0.45 mm - 0.49 mm thickness	Kg	Factory	3,51
10.200.1106	0.50 mm - 0.59 mm thickness	Kg	Factory	3,59
10.200.1107	0.60 mm - 0.69 mm thickness	Kg	Factory	3,37
10.200.1108	0.70 mm - 0.79 mm thickness	Kg	Factory	3,38
10.200.1109	0.80 mm - 0.89 mm thickness	Kg	Factory	3,41
10.200.1110	0.90 mm - 0.99 mm thickness	Kg	Factory	3,27

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.1111	1.00 mm - 1.49 mm thickness	Kg	Factory	3,30
10.200.1112	1.50 mm (included, large) thickness	Kg	Factory	3,25
	<b>COLD-ROLLED STEEL ROLL, DC01 QUALITY (1100 mm width (exclusive) large) (TS EN 10130) Note: Also, if it is done, an extra charge of 5% for side trimming, 5% for length trimming and 5% for galvanizing (hot dip) shall be applicable.</b>			
10.200.1151	0.29 mm (inclusive, small) thickness	Kg	Factory	3,96
10.200.1152	0.30 mm - 0.34 mm thickness	Kg	Factory	3,71
10.200.1153	0.35 mm - 0.39 mm thickness	Kg	Factory	3,63
10.200.1154	0.40 mm - 0.44 mm thickness	Kg	Factory	3,60
10.200.1155	0.45 mm - 0.49 mm thickness	Kg	Factory	3,51
10.200.1156	0.50 mm - 0.59 mm thickness	Kg	Factory	3,44
10.200.1157	0.60 mm - 0.69 mm thickness	Kg	Factory	3,32
10.200.1158	0.70 mm - 0.79 mm thickness	Kg	Factory	3,31
10.200.1159	0.80 mm - 0.89 mm thickness	Kg	Factory	3,31
10.200.1160	0.90 mm - 0.99 mm thickness	Kg	Factory	3,25
10.200.1161	1.00 mm - 1.49 mm thickness	Kg	Factory	3,25
10.200.1162	1.50 mm (included, large) thickness	Kg	Factory	3,23
	<b>HOT-ROLLED, BOARD (S235 JR) (TS EN 10025-1, 2, 3, 4, 5, 6 + A1) (any size)</b>			
10.200.1201	5.00 mm - 7.99 mm thickness	Kg	Factory	3,52
10.200.1202	8.00 mm - 11.99 mm thickness	Kg	Factory	3,35
10.200.1203	12.00 mm - 15.99 mm thickness	Kg	Factory	3,32
10.200.1204	16.00 mm - 17.99 mm thickness	Kg	Factory	3,14
10.200.1205	18.00 mm (included, large) thickness	Kg	Factory	3,09
	<b>HOT-ROLLED, ACIDIFIED SHEET METAL ROLL (S235 JR) (TS EN 10025-1, 2, 3, 4, 5, 6 + A1) (any size)</b>			
10.200.1251	1.50 mm - 1.59 mm thickness	Kg	Factory	3,18
10.200.1252	1.60 mm - 1.79 mm thickness	Kg	Factory	3,07
10.200.1253	1.80 mm - 1.99 mm thickness	Kg	Factory	3,05
10.200.1254	2.00 mm - 2.19 mm thickness	Kg	Factory	3,04
10.200.1255	2.20 mm - 2.49 mm thickness	Kg	Factory	3,01
10.200.1256	2.50 mm - 2.99 mm thickness	Kg	Factory	2,99
10.200.1257	3.00 mm - 4.99 mm thickness	Kg	Factory	2,98
10.200.1258	5.00 mm - 7.99 mm thickness	Kg	Factory	2,97
10.200.1259	8.00 mm - 11.99 mm thickness	Kg	Factory	2,97
10.200.1260	12.00 mm - 15.00 mm thickness	Kg	Factory	3,01
	<b>GALVANIZED SHEET METALS</b>			
10.200.1301	Hot-dip galvanized plain sheet metal (TS 822)	Kg	On the job	3,85
10.200.1302	Hot-dip galvanized, coated plain sheet metal: (Outer surface coated with min. 5 microns of epoxy lining, and min. 20 microns of final coat of paint. Inner surface coated with min. 5 microns of epoxy lining)	Kg	On the job	4,25
10.200.1303	Hot-dip galvanized grooved/trapezoid sheet metal (TS 822)	Kg	On the job	4,15

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.1304	Hot-dip galvanized and coated grooved/trapezoid sheet metal. Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and min. 20 microns of final coat of paint. Inner surface coated with min. 5 microns of epoxy lining)	Kg	On the job	4,65
	<b>STAINLESS STEELS (TS EN 10088-1)</b>			
10.200.1401	Hot-dip galvalume plain sheet metals	Kg	On the job	3,70
10.200.1402	Coated hot-dip galvalume plain sheet metals. Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and min. 20 microns of final coat of paint. Inner surface coated with min. 5 microns of epoxy lining)	Kg	On the job	4,10
10.200.1403	Hot-dip galvalume grooved/trapezoid sheet metals	Kg	On the job	3,95
10.200.1404	Hot-dip galvalume and coated grooved/trapezoid sheet metal. Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and min. 20 microns of final coat of paint. Inner surface coated with min. 5 microns of epoxy lining)	Kg	On the job	4,50
	<b>OTHER METAL SHEETS</b>			
10.200.1501	Diamond-pattern sheet metal	Kg	On the job	3,90
	<b>STAINLESS STEELS (TS EN 10088-1)</b>			
10.200.1601	1.4301 (AISI 304) quality stainless steel bar	Kg	On the job	13,50
10.200.1602	1.4401 (AISI 316) quality stainless steel bar	Kg	On the job	19,00
10.200.1603	1.4301 (AISI 304) quality stainless steel sheet	Kg	On the job	13,70
10.200.1604	1.4401 (AISI 316) quality stainless steel sheet	Kg	On the job	18,60
10.200.1605	1.4301 (AISI 304) quality stainless steel pipe	Kg	On the job	17,00
10.200.1606	1.4401 (AISI 316) quality stainless steel pipe	Kg	On the job	24,00
10.200.1607	1.4301 (AISI 304) quality stainless steel profile	Kg	On the job	18,00
	<b>ALUMINUM PROFILES (TS 4922; TS EN 12020-1, 2 TS EN 755-1, 2, 3, 4, 5, 6, 7, 8, 9)</b>			
10.200.2001	Aluminum profiles	Kg	On the job	15,30
10.200.2002	Natural-matte anodized aluminum profile	Kg	On the job	18,50
10.200.2003	Natural (glossy or sandblasted or satin) and anodized aluminum profile	Kg	On the job	18,90
10.200.2004	Colored-matte, anodized aluminum profile	Kg	On the job	19,10
10.200.2005	Colored (glossy or sandblasted) and anodized aluminum profile	Kg	On the job	19,40
10.200.2006	Electrostatic powder-coated aluminum profile	Kg	On the job	19,50
10.200.2012	Natural-matte, anodized, thermally insulated aluminum profile	Kg	On the job	20,10
10.200.2013	Natural (glossy or sandblasted), anodized and thermally insulated aluminum profile	Kg	On the job	20,60
10.200.2014	Colored-matte, anodized, thermally insulated aluminum profile	Kg	On the job	20,80
10.200.2015	Colored (glossy or sandblasted), anodized and thermally insulated aluminum profile	Kg	On the job	20,90
10.200.2016	Electrostatic powder-coated, thermally insulated aluminum profile	Kg	On the job	21,30
10.200.2022	Natural-matte and anodized aluminum profile with PVC insulation	Kg	On the job	17,50
10.200.2023	Natural (glossy or sandblasted or satin) and anodized, PVC-insulated aluminum profile	Kg	On the job	18,00
10.200.2024	Colored-matte and anodized aluminum profile with PVC insulation	Kg	On the job	18,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.2025	Colored (glossy or sandblasted) and anodized, PVC-insulated aluminum profile	Kg	On the job	18,50
10.200.2026	Electrostatic powder-coated, PVC-insulated aluminum profile	Kg	On the job	18,50
	<b>ALUMINUM PANELS (TS EN 485-1, TS EN 485-2, TS EN 485-4)</b>			
	<b>A- Plain Aluminum Panels</b>			
	<b>1-EN AW 1100-AL99.0 Cu</b>			
10.200.2101	0.30 mm thickness	Kg	On the job	15,50
10.200.2102	0.50 mm thickness	Kg	On the job	14,50
10.200.2103	0.70 mm thickness	Kg	On the job	14,45
10.200.2104	3.00 mm thickness	Kg	On the job	14,00
	<b>2-EN AW 1050A-AL99,5</b>			
10.200.2111	0.30 mm thickness	Kg	On the job	15,50
10.200.2112	0.50 mm thickness	Kg	On the job	14,50
10.200.2113	0.70 mm thickness	Kg	On the job	14,45
10.200.2114	3.00 mm thickness	Kg	On the job	14,00
	<b>3-EN AW 3003-ALMn1Cu</b>			
10.200.2121	0.30 mm thickness	Kg	On the job	15,50
10.200.2122	0.50 mm thickness	Kg	On the job	14,50
10.200.2123	0.70 mm thickness	Kg	On the job	14,45
10.200.2124	3.00 mm thickness	Kg	On the job	14,00
	<b>4-EN AW 3105-ALMn0.5Mg0.5</b>			
10.200.2131	0.30 mm thickness	Kg	On the job	15,50
10.200.2132	0.50 mm thickness	Kg	On the job	14,50
10.200.2133	0.70 mm thickness	Kg	On the job	14,45
10.200.2134	3.00 mm thickness	Kg	On the job	14,00
	<b>5-EN AW 5005-ALMg1</b>			
10.200.2141	0.30 mm thickness	Kg	On the job	17,10
10.200.2142	0.50 mm thickness	Kg	On the job	16,20
10.200.2143	0.70 mm thickness	Kg	On the job	16,05
10.200.2144	3.00 mm thickness	Kg	On the job	15,85
	<b>B- Coated Aluminum Panels Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and 20 microns of final coat of paint. Inner surface coated with min. 7 microns of epoxy lining)</b>			
	<b>1-EN AW 1100-AL99.0 Cu</b>			
10.200.2201	0.30 mm thickness	Kg	On the job	20,90
10.200.2202	0.50 mm thickness	Kg	On the job	17,70
10.200.2203	0.70 mm thickness	Kg	On the job	17,10
10.200.2204	3.00 mm thickness	Kg	On the job	17,10
	<b>2-EN AW 1050A-AL99,5</b>			
10.200.2211	0.30 mm thickness	Kg	On the job	20,90
10.200.2212	0.50 mm thickness	Kg	On the job	17,70
10.200.2213	0.70 mm thickness	Kg	On the job	17,10
10.200.2214	3.00 mm thickness	Kg	On the job	17,10
	<b>3-EN AW 3003-ALMn1Cu</b>			
10.200.2221	0.30 mm thickness	Kg	On the job	20,90

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.2222	0.50 mm thickness	Kg	On the job	17,70
10.200.2223	0.70 mm thickness	Kg	On the job	17,10
10.200.2224	3.00 mm thickness	Kg	On the job	17,10
	<b>4-EN AW 3105-ALMn0.5Mg0.5</b>			
10.200.2231	0.30 mm thickness	Kg	On the job	20,90
10.200.2232	0.50 mm thickness	Kg	On the job	17,70
10.200.2233	0.70 mm thickness	Kg	On the job	17,10
10.200.2234	3.00 mm thickness	Kg	On the job	17,10
	<b>5-EN AW 5005-ALMg1</b>			
10.200.2241	0.30 mm thickness	Kg	On the job	22,40
10.200.2242	0.50 mm thickness	Kg	On the job	19,20
10.200.2243	0.70 mm thickness	Kg	On the job	18,90
10.200.2244	3.00 mm thickness	Kg	On the job	18,60
	<b>Trapezoidal aluminum panels (TS 7677 - aluminum alloys) (various thickness values)</b>			
10.200.2301	EN AW 3003 -ALMn1Cu	Kg	On the job	17,10
10.200.2302	EN AW 3105 -ALMn0, 5Mg0.5	Kg	On the job	17,10
10.200.2303	EN AW 5005 -ALMg1	Kg	On the job	19,10
	<b>Coated trapezoidal aluminum panels (TS 7677 Aluminum alloys) (Various thicknesses) Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and 20 microns of final coat of paint. Inner surface coated with min. 7 microns of epoxy lining)</b>			
10.200.2341	EN AW 3003 - ALMn1Cu	Kg	On the job	20,60
10.200.2342	EN AW 3105 - ALMn0, 5Mg0.5	Kg	On the job	20,60
10.200.2343	EN AW 5005- ALMn1	Kg	On the job	21,80
	<b>Trapezoidal Aluminum Panels (TS 7677 - Aluminum) (Various Thicknesses)</b>			
10.200.2381	EN AW 1050A - AL99,5	Kg	On the job	16,50
	<b>Coated Trapezoidal Aluminum Panels (TS 7677 Aluminum) (Various thicknesses) Factory-coated with roller (Outer surface coated with min. 5 microns of epoxy lining, and 20 microns of final coat of paint. Inner surface coated with min. 7 microns of epoxy lining)</b>			
10.200.2391	EN AW 1050A - AL99,5	Kg	On the job	19,40
	<b>Aluminum Composite Panels</b>			
10.200.2401	Aluminum composite panel (0.50 mm + 3 mm + 0.50 mm) 0.50-mm thickness aluminum plate visible exterior surface of 0.50-mm thickness aluminum plate (EN AW 5000 series) coated with min. 8-micron epoxy primer, then 22-micron PVDF (boiling 500 > 70%), final coat of paint, and 3-mm polyethylene filling in between, and with an adhesion strength of min. 100 N/cm (fire class min. C s3 d2)	m <sup>2</sup>	On the job	93,00
10.200.2411	Aluminum Composite Panel (0.50 mm + 3 mm + 0.50 mm) 3-mm thickness mineral filling between the 0.50-mm thickness (EN AW 3000 series) aluminum plates. Visible exterior surface of aluminum panels shall be 28-micron thick, PVDF-coated, composite panel with the gaps between the aluminum panels and filling coated with primer (fire class: A2 S1 D0)	m <sup>2</sup>	On the job	185,00
	<b>Pop Rivet, Lag Set, Aluminum Ingot</b>			
10.200.2451	Aluminum lag fasteners	Kg	On the job	0,50

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.2452	Aluminum pop rivet	Kg	On the job	0,04
10.200.2501	Aluminum ingot	Kg	Factory	11,76
	<b>ALUMINUM EXPANSION PROFILES (Etial 60)</b>			
	<b>Covering Profiles (for Walls, Ceilings and Facades) (Anodized - Countersunk screw holes drilled at max. 45-cm intervals on one side)</b>			
10.200.2701	120 mm width, min. 1.3-mm wall thickness	m	On the job	14,50
10.200.2702	150 mm width, min 1.5 mm wall thickness	m	On the job	20,00
10.200.2703	200 mm width, min 1.7 mm wall thickness	m	On the job	30,00
10.200.2704	250 mm width, min 1.7 mm wall thickness	m	On the job	36,00
	<b>Covering Profiles (Resistant to pedestrian loads) (for flooring) (Anodized - Countersunk screw holes drilled at max. 45-cm intervals on one side)</b>			
10.200.2711	120 mm width, min. 2.2 mm wall thickness	m	On the job	21,00
10.200.2712	150 mm width, min 2.4 mm wall thickness	m	On the job	28,00
10.200.2713	200 mm width, min 2.6 mm wall thickness	m	On the job	43,00
10.200.2714	250 mm width, min 2.6 mm wall thickness	m	On the job	49,00
	<b>Sub-coating Expansion Profiles (Resistant to pedestrian load) (For flooring) (Including rubber gaskets) (Aluminum wall thickness min. 2 mm, min. +/- 4-mm movement capacity, Profile height min. 35 mm, wing width min. 45 mm)</b>			
10.200.2721	Expansion gap: 50 mm	m	On the job	31,00
10.200.2722	Expansion gap: 80 mm	m	On the job	48,00
10.200.2723	Expansion gap: 100 mm	m	On the job	58,00
	<b>Sub-Pavement Expansion Profile (Resistant to pedestrian loads) (for flooring) (Including rubber and aluminum strip seals) (Aluminum wall thickness min. 2.5 mm, movement capacity min +/- 4 mm, Profile height min. 40 mm, wing width min. 45 mm, gaps between the supports carrying the seal reinforced with additional components)</b>			
10.200.2731	Expansion gap: 50 mm	m	On the job	62,00
10.200.2732	Expansion gap: 80 mm	m	On the job	84,00
10.200.2733	Expansion gap: 100 mm	m	On the job	104,00
10.200.2734	Expansion gap: 150 mm	m	On the job	158,00
	<b>Over-coating Expansion Profiles (for Walls and Ceilings) (Including rubber seals) (Aluminum wall thickness min. 1.5 mm, movement capacity min +/- 4 mm, Profile height min. 13 mm, wing width min. 45 mm) (Countersunk screw holes drilled at max. 45-cm intervals on two opposing edges)</b>			
10.200.2741	Expansion gap: 50 mm	m	On the job	16,50
10.200.2742	Expansion gap: 80 mm	m	On the job	19,50
10.200.2743	Expansion gap: 100 mm	m	On the job	23,00
	<b>Over-Pavement Expansion Profile (Resistant to pedestrian loads) (for flooring) (Including rubber seals) (Aluminum wall thickness min. 1.5 mm, movement capacity min +/- 4 mm, Profile height min. 15 mm, wing width min. 45 mm) (Countersunk screw holes drilled at max. 30-cm intervals on two opposing edges)</b>			
10.200.2751	Expansion gap: 50 mm	m	On the job	28,00

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.2752	Expansion gap: 80 mm	m	On the job	39,00
10.200.2753	Expansion gap: 100 mm	m	On the job	48,00
	<b>Over-Pavement Expansion Profile (Resistant to pedestrian loads) (for flooring) (Including rubber and aluminum strip seals) (Aluminum wall thickness min. 2 mm, movement capacity min +/- 4 mm, Profile height min. 20 mm, wing width min. 45 mm, gaps between the supports carrying the seal reinforced with additional components) (Countersunk screw holes drilled at max. 30-cm intervals on two opposing edges)</b>			
10.200.2761	Expansion gap: 50 mm	m	On the job	35,00
10.200.2762	Expansion gap: 80 mm	m	On the job	49,00
10.200.2763	Expansion gap: 100 mm	m	On the job	63,00
10.200.2764	Expansion gap: 150 mm			95,00
	Note: 1- The same definitions and prices shall be used for corner type expansion profiles. 2- Where other measurable properties than the ones mentioned above are required in the relevant project design and specifications are sought, these items shall not apply.			
	<b>Expansion Profile Installation Materials, etc.</b>			
10.200.2791	Butyl tape (each side self-adhesive, 3 mm thickness / 10 mm width)	m	On the job	2,00
10.200.2792	Insulation tape for expansions (min. 1 mm thickness, 30 cm width)	m	On the job	20,00
10.200.2793	Insulation tape for expansions (min. 1 mm thickness, 40 cm width)	m	On the job	26,00
	<b>ZINC - LEAD</b>			
10.200.2801	Zinc plate	Kg	On the job	15,00
10.200.2809	Zinc (Ingot) (TS EN ISO 3146+AC)	Kg	On the job	13,00
10.200.2811	Lead plate (min. 99.98 purity)	Kg	On the job	13,50
10.200.2812	Lead Sheet (99.80% ≤ purity < 99.98%)	Kg	On the job	11,75
10.200.2819	Lead (Ingot)	Kg	On the job	11,00
	<b>NODULAR CAST, COPPER, ETC.</b>			
10.200.2851	Nodular cast (GJS 400) (TS EN 1563)	Kg	On the job	5,50
10.200.2852	Nodular cast (GJS 500) (TS EN 1563)	Kg	On the job	5,80
10.200.2853	Various copper profiles and plates (TS EN 1652)	Kg	On the job	34,00
10.200.2854	Blister copper	Kg	On the job	30,76
10.200.2861	Brass pipes	Kg	On the job	33,00
10.200.2862	Flat brass bar	Kg	On the job	33,00
	<b>SUPPORTS</b>			
10.200.2951	High-quality steel support (Special cast)	Kg	On the job	9,25
10.200.2952	Rubber abutment with plates with internal reinforcement (60 shore)	cm <sup>3</sup>	On the job	0,05
	<b>Hot-dip galvanized sheet metal profiles for gypsum boards (ST 37) (TS EN 14195)</b>			
10.200.3001	Made of TC60-profile, 0.5-mm hot-dip galvanized sheet metal	m	On the job	2,25
10.200.3002	Made of 0.6-mm hot-dip galvanized sheet metal of TC60 profile	m	On the job	2,80

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.3003	Made of 0.5-mm hot-dip galvanized sheet metal of TU28 profile	m	On the job	1,50
10.200.3004	Made of 0.6-mm hot-dip galvanized sheet metal of TU28 profile	m	On the job	1,75
10.200.3005	Made of 0.5-mm hot-dip galvanized sheet metal of DC50 profile	m	On the job	3,00
10.200.3006	Made of 0.6-mm hot-dip galvanized sheet metal of DC50 profile	m	On the job	3,50
10.200.3007	Made of 0.5-mm hot-dip galvanized sheet metal of DC75 profile	m	On the job	3,50
10.200.3008	Made of 0.6-mm hot-dip galvanized sheet metal of DC75 profile	m	On the job	4,25
10.200.3009	Made of 0.5-mm hot-dip galvanized sheet metal of DC100 profile	m	On the job	4,25
10.200.3010	Made of 0.6-mm hot-dip galvanized sheet metal of DC100 profile	m	On the job	4,30
10.200.3011	Made of 0.5-mm hot-dip galvanized sheet metal of DU50 profile	m	On the job	1,85
10.200.3012	Made of 0.6-mm hot-dip galvanized sheet metal of DU50 profile	m	On the job	3,25
10.200.3013	Made of 0.5-mm hot-dip galvanized sheet metal of DU75 profile	m	On the job	2,50
10.200.3014	Made of 0.6-mm hot-dip galvanized sheet metal of DU75 profile	m	On the job	3,50
10.200.3015	Made of 0.5-mm hot-dip galvanized sheet metal of DU100 profile	m	On the job	3,50
10.200.3016	Made of 0.6-mm hot-dip galvanized sheet metal of DU100 profile	m	On the job	4,25
	<b>MECHANICAL INSTALLATION COMPONENTS FOR GYPSUM BOARDS</b>			
10.200.3021	Perforated L-corner profile, 0.35-mm thickness galvanized sheet metal	m	On the job	0,65
10.200.3022	Perforated L-corner profile, 0.40-mm thickness galvanized sheet metal	m	On the job	0,84
10.200.3023	Clips (0.8 mm galvanized sheet metal length: 7.5 cm)	Qty	On the job	0,18
10.200.3024	Suspension clip T (0.8-mm galvanized sheet metal, length: 11.5 cm, stainless steel, spring-loaded)	Qty	On the job	0,69
10.200.3025	Suspension clip C (0.8-mm galvanized sheet metal, length: 11.5 cm, stainless steel, spring-loaded)	Qty	On the job	0,75
10.200.3026	Attachment fitting (0.6 mm galvanized sheet metal, length: 9 cm)	Qty	On the job	0,34
10.200.3027	U-nail, 7.5 cm (1 mm galvanized sheet metal, length: 7.5 cm)	Qty	On the job	0,39
10.200.3028	U-nail, 12 cm (1 mm galvanized sheet metal, length: 12 cm)	Qty	On the job	0,53
10.200.3029	U-nail, 20 cm (1 mm galvanized sheet metal, length: 20 cm)	Qty	On the job	0,81
10.200.3030	U-nail screw (made of carbon steel, chrome-coated, with pointy ends, any size) box (500 pcs.)	Box	On the job	10,60
10.200.3031	Joint tape (made of fiberglass, self-adhesive, width: 5 cm)	m	On the job	0,06
10.200.3032	Sound insulation tape (made of 3-mm polyethylene, self-adhesive, width: 5 cm)	m	On the job	0,13



**Market Prices for Construction Materials**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>PURCHASING LOCATION</b>	<b>MARKET PRICE (TRY)</b>
10.200.3033	Sound insulation tape (made of 3-mm polyethylene, self-adhesive, width: 7.5 cm)	m	On the job	0,25
10.200.3034	Sound insulation tape (made of 3-mm polyethylene, self-adhesive, width: 10 cm)	m	On the job	0,34
	<b>SUSPENDED CEILING CARRIER METAL PROFILE SYSTEMS AND MECHANICAL INSTALLATION COMPONENTS (TS EN 13964)</b>			
	<b>1- Aluminum, for metal suspended ceilings</b>			
10.200.3051	Concealed carrier profile (clip-in system) (min. 0.50-mm thickness, made of hot-dip galvanized sheet metal) (for aluminum and metal suspended ceilings)	m	On the job	1,80
10.200.3052	Concealed carrier profile (clip-in system) (min. 0.60-mm thickness, made of hot-dip galvanized sheet metal) (for aluminum and metal suspended ceilings)	m	On the job	1,95
10.200.3053	Concealed carrier edge C profile (min. 1.00-mm thickness, in any size, and electrostatically or factory coated)	m	On the job	3,15
10.200.3054	Edge C profile of the concealed carrier system sheet metal (min. 0.50-mm thickness, in any size, made of hot-dip galvanized sheet metal, and electrostatically or factory coated)	m	On the job	2,30
10.200.3055	Carrier attachment (made of min. 0.50-mm thickness, made of hot-dip galvanized sheet metal plate and 4-mm thickness galvanized bar)	Qty	On the job	0,28
10.200.3056	Attachment clip (Profile attachment made of 0.50-mm thickness spring steel plate or min. 2-mm thickness spring steel)	Qty	On the job	0,43
10.200.3057	Press clip (made of 0.50-mm thickness spring steel)	Qty	On the job	0,37
10.200.3058	Lamellar suspended ceiling carrier profile (made of min. 0.50-mm thickness hot-dip galvanized sheet metal (oven-dried paint) with 1 cm joints)	m	On the job	2,45
10.200.3059	Lamellar suspended ceiling carrier profile (made of min. 0.50-mm thickness hot-dip galvanized sheet metal (oven-dried paint) with 1.5 cm joints)	m	On the job	3,05
10.200.3060	Lamellar suspended ceiling carrier profile (made of min. 0.50-mm thickness hot-dip galvanized sheet metal (oven-dried paint) with 2 cm joints)	m	On the job	3,05
10.200.3061	Lamellar suspended ceiling carrier profile (made of min. 0.50-mm thickness hot-dip galvanized sheet metal (oven-dried paint) self-jointed)	m	On the job	3,05
10.200.3062	15-mm-wide, min. 0.50-mm thickness aluminum joint strip	m	On the job	1,55
10.200.3063	20-mm-wide, min. 0.50-mm thickness aluminum joint strip	m	On the job	1,60
10.200.3064	Edge L profile made of 0.50-mm thickness hot-dip galvanized sheet metal (oven-dried paint) self-jointed	m	On the job	1,60
10.200.3065	Edge U profile made of 0.50-mm thickness hot-dip galvanized sheet metal (oven-dried paint) self-jointed	m	On the job	2,30

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>2- Rock wool (mineral fiber) fiberglass, aluminum, metal plaster board and similar other types of suspended ceiling (polyester-based electrostatic powder-coated) (including 3071...3128)</b>			
	<b>24-mm-WIDE MAIN CARRIER T PROFILES</b>			
10.200.3071	Profile with 0.40-mm thickness, and h=38-mm height	m	On the job	1,95
10.200.3072	Profile with 0.30-mm thickness, and h=38-mm height	m	On the job	1,65
10.200.3073	Corrosion-resistant profile with 0.30-mm thickness, and h=38-mm height	m	On the job	3,15
10.200.3074	Corrosion-resistant profile with 0.40-mm thickness, and h=38-mm height	m	On the job	3,40
	<b>35-mm-WIDE MAIN CARRIER T PROFILES</b>			
10.200.3081	Profile with 0.30-mm thickness, and h=38-mm height	m	On the job	4,95
	<b>24-mm-WIDE INTERMEDIATE CARRIER T PROFILES</b>			
10.200.3091	Profile with 0.40-mm thickness, and h=30-mm height	m	On the job	2,95
10.200.3092	Profile with steel clip head, 0.30-mm thickness, and h=30 to 32-mm height	m	On the job	2,25
10.200.3093	Profile with steel clip head, 0.30-mm thickness, and h=25-mm height	m	On the job	2,45
10.200.3094	Corrosion-resistant profile with steel clip head, 0.30-mm thickness, and h=32-mm height	m	On the job	2,25
10.200.3095	Corrosion-resistant profile with steel clip head, 0.40-mm thickness, and h=32-mm height	m	On the job	3,10
10.200.3096	Corrosion-resistant profile with steel clip head, 0.30-mm thickness, and h=25-mm height	m	On the job	2,55
10.200.3097	Corrosion-resistant profile with steel clip head, 0.40-mm thickness, and h=25-mm height	m	On the job	2,95
	<b>35-mm-WIDE INTERMEDIATE CARRIER T PROFILES</b>			
10.200.3101	Profile with 0.30-mm thickness, and h=38-mm height	m	On the job	4,60
	<b>15-mm-WIDE MAIN CARRIER T PROFILES</b>			
10.200.3111	Profile with 0.40-mm thickness, and h=38-mm height	m	On the job	2,45
10.200.3112	Profile with 0.30-mm thickness, and h=32-mm height	m	On the job	2,25
10.200.3113	Profile with 0.40-mm thickness, and h=32-mm height	m	On the job	2,25
10.200.3114	Grooved profile with 0.30-mm thickness, and h=45-mm height	m	On the job	5,50
10.200.3115	Profile with 0.40-mm thickness, and h=45-mm height	m	On the job	5,50
	<b>15-mm-WIDE INTERMEDIATE CARRIER T PROFILES</b>			
10.200.3121	Profile with 0.40-mm thickness, and h=30-mm height	m	On the job	2,60
10.200.3122	Profile with steel clip head, 0.30-mm thickness, and h=32-mm height	m	On the job	2,45
10.200.3123	Grooved profile with 0.30-mm thickness, and h=45-mm height	m	On the job	5,90
10.200.3124	Grooved profile with 0.40-mm thickness, and h=45-mm height	m	On the job	6,30
10.200.3125	Edge L-profile (0.50 mm thickness)	m	On the job	1,45

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.3126	Edge L-profile 0.50-mm thickness, corrosion-resistant	m	On the job	2,80
10.200.3127	Edge Z-profile (0.40 mm - 0.60 mm thickness)	m	On the job	2,05
10.200.3128	Edge Z-profile (0.50 mm - 0.70 mm thickness)	m	On the job	3,05
10.200.3129	Suspension bar, 40 cm (4-mm galvanized bar, length: 40 cm)	Qty	On the job	0,16
10.200.3130	Suspension bar, 50 cm (4-mm galvanized bar, length: 50 cm)	Qty	On the job	0,24
10.200.3131	Suspension bar, 60 cm (4-mm galvanized bar, length: 60 cm)	Qty	On the job	0,28
10.200.3132	Suspension bar, 80 cm (4-mm galvanized bar, length: 80 cm)	Qty	On the job	0,31
10.200.3133	Suspension bar, 100 cm (4-mm galvanized bar, length: 100 cm)	Qty	On the job	0,39
10.200.3134	Suspension bar, 120 cm (4-mm galvanized bar, length: 120 cm)	Qty	On the job	0,48
10.200.3135	Suspension bar, above 120 cm (4-mm galvanized bar, length: above 120 cm)	Qty	On the job	0,55
10.200.3136	Double spring (made of 0.60-mm thickness spring steel, coated with phosphate and similar materials)	Qty	On the job	0,31
10.200.3137	Steel dowel pin (including 6 x 45 screws, barrels, angle irons and nuts)	Qty	On the job	0,28
	<b>GYPSUM PLASTER PROFILE</b>			
10.200.3141	Plaster profile (made of 0.45-mm thickness hot-dip galvanized sheet metal)	m	On the job	0,66
	<b>SQUARE AND RECTANGULAR PROFILE STEEL PIPES (TS EN 10305-5)</b>			
10.200.3601	(average prices of the items no. 10.200.3602, 10.200.3603, 10.200.3605 and 10.200.3612 per kg are considered)	Kg	Factory	3,99
10.200.3602	10 X 10 X 1.0 mm	m	Factory	1,45
10.200.3603	15 X 15 X 1.0 mm	m	Factory	1,70
10.200.3604	20 X 20 X 1.0 mm	m	Factory	2,25
10.200.3605	25 X 25 X 1.0 mm	m	Factory	2,90
10.200.3606	25 X 25 X 1.2 mm	m	Factory	3,40
10.200.3607	30 X 30 X 1.0 mm	m	Factory	3,45
10.200.3608	30 X 30 X 1.2 mm	m	Factory	4,00
10.200.3609	30 X 30 X 1.5 mm	m	Factory	4,65
10.200.3610	40 X 40 X 1.5 mm	m	Factory	6,25
10.200.3611	40 X 40 X 2.0 mm	m	Factory	7,35
10.200.3612	50 X 50 X 2.0 mm	m	Factory	9,25
10.200.3613	10 X 20 X 1.0 mm	m	Factory	1,70
10.200.3614	10 X 30 X 1.0 mm	m	Factory	2,25
10.200.3615	15 X 25 X 1.0 mm	m	Factory	2,25
10.200.3616	20 X 30 X 1.0 mm	m	Factory	2,80
10.200.3617	20 X 40 X 1.0 mm	m	Factory	3,45
10.200.3618	20 X 40 X 1.5 mm	m	Factory	4,65
10.200.3619	30 X 40 X 1.5 mm	m	Factory	5,45
10.200.3620	30 X 50 X 1.5 mm	m	Factory	6,25
10.200.3621	30 X 50 X 2.0 mm	m	Factory	7,35

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.3622	40 X 60 X 2.0 mm	m	Factory	9,25
	<b>STEEL WIRES, THORONS AND BARS FOR PRESTRESSED CONCRETE</b>			
10.200.3701	Prestressing wire (Plain surface) (Ø4 - 12 mm) (TS 3721)	Kg	Factory	3,40
10.200.3702	Prestressing wire (Notched surface) (Ø4 - 12 mm) (TS 3721)	Kg	Factory	3,50
10.200.3703	Prestressing wire (Ø0.5 inches) (Type 270 K) (TS EN 1537)	Kg	Factory	3,80
10.200.3704	Prestressing wire (Ø0.6 inches and above) (Type 270 K) (TS EN 1537)	Kg	Factory	3,80
	<b>FACADE MECHANICAL INSTALLATION COMPONENTS</b>			
	<b>1- U-profile (stainless steel AISI 304)</b>			
10.200.3801	35/35/3 mm	m	On the job	50,00
10.200.3802	40/30/3 mm	m	On the job	47,00
10.200.3803	40/40/3 mm	m	On the job	58,00
10.200.3804	50/50/3 mm	m	On the job	74,00
10.200.3805	40/40/4 mm	m	On the job	75,00
10.200.3806	50/50/4 mm	m	On the job	95,00
10.200.3807	50/50/5 mm	m	On the job	115,00
	<b>2- U-profile (ST 37 hot-dip galvanized)</b>			
10.200.3821	35/35/3 mm	m	On the job	15,00
10.200.3822	40/30/3 mm	m	On the job	14,00
10.200.3823	40/40/3 mm	m	On the job	17,00
10.200.3824	50/50/3 mm	m	On the job	22,00
10.200.3825	40/40/4 mm	m	On the job	22,00
10.200.3826	50/50/4 mm	m	On the job	28,00
10.200.3827	50/50/5 mm	m	On the job	34,00
	<b>3- L-profile (stainless steel AISI 304)</b>			
10.200.3841	30/30/3 mm	m	On the job	29,00
10.200.3842	40/40/3 mm	m	On the job	39,00
10.200.3843	50/50/3 mm	m	On the job	56,00
10.200.3844	40/40/4 mm	m	On the job	52,00
10.200.3845	50/50/4 mm	m	On the job	66,00
10.200.3846	50/50/5 mm	m	On the job	81,00
	<b>4- L-profile (ST 37 hot-dip galvanized)</b>			
10.200.3861	30/30/3 mm	m	On the job	9,00
10.200.3862	40/40/3 mm	m	On the job	12,00
10.200.3863	50/50/3 mm	m	On the job	16,00
10.200.3864	40/40/4 mm	m	On the job	15,00
10.200.3865	50/50/4 mm	m	On the job	19,00
10.200.3866	50/50/5 mm	m	On the job	23,00
	<b>5- L-console (stainless steel AISI 304)</b>			
10.200.3881	50/60 x 120 x 3 mm	Qty	On the job	7,50
10.200.3882	50/80 x 120 x 4 mm	Qty	On the job	12,00
10.200.3883	50/100 x 120 x 4 mm	Qty	On the job	13,50
10.200.3884	60/120 x 120 x 5 mm	Qty	On the job	20,00
10.200.3885	60/140 x 120 x 5 mm	Qty	On the job	22,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>6- L-console (ST 37 hot-dip galvanized)</b>			
10.200.3901	50/60 x 120 x 3 mm	Qty	On the job	2,85
10.200.3902	50/80 x 120 x 4 mm	Qty	On the job	4,50
10.200.3903	50/100 x 120 x 4 mm	Qty	On the job	5,00
10.200.3904	60/120 x 120 x 5 mm	Qty	On the job	7,40
10.200.3905	60/140 x 120 x 5 mm	Qty	On the job	8,40
	<b>7-Z anchor (stainless steel AISI 304)</b>			
10.200.3921	30 x 3 x Y20 mm	Qty	On the job	1,90
10.200.3922	30 x 3 x Y40 mm	Qty	On the job	2,75
10.200.3923	30 x 3 x Y60 mm	Qty	On the job	3,35
10.200.3924	30 x 3 x Y80 mm	Qty	On the job	4,05
10.200.3925	30 x 3 x Y100 mm	Qty	On the job	4,50
10.200.3926	30 x 4 x Y20 mm	Qty	On the job	2,75
10.200.3927	30 x 4 x Y40 mm	Qty	On the job	3,70
10.200.3928	30 x 4 x Y60 mm	Qty	On the job	4,30
10.200.3929	30 x 4 x Y80 mm	Qty	On the job	5,00
10.200.3930	30 x 4 x Y100 mm	Qty	On the job	5,80
10.200.3931	30 x 5 x Y20 mm	Qty	On the job	3,45
10.200.3932	30 x 5 x Y40 mm	Qty	On the job	4,30
10.200.3933	30 x 5 x Y60 mm	Qty	On the job	5,50
10.200.3934	30 x 5 x Y80 mm	Qty	On the job	6,30
10.200.3935	30 x 5 x Y100 mm	Qty	On the job	7,20
10.200.3936	40 x 5 x Y20 mm	Qty	On the job	4,30
10.200.3937	40 x 5 x Y40 mm	Qty	On the job	5,80
10.200.3938	40 x 5 x Y60 mm	Qty	On the job	7,05
10.200.3939	40 x 5 x Y80 mm	Qty	On the job	8,20
10.200.3940	40 x 5 x Y100 mm	Qty	On the job	9,60
	<b>8- L-anchor (stainless steel AISI 304)</b>			
10.200.3951	30 x 30/30 x3 mm	Qty	On the job	1,50
10.200.3952	30 x 30/40 x 3 mm	Qty	On the job	1,65
10.200.3953	30 x 30/50 x 3 mm	Qty	On the job	1,75
10.200.3954	30 x 40/40 x 3 mm	Qty	On the job	1,75
10.200.3955	30 x 40/50 x 3 mm	Qty	On the job	1,90
10.200.3956	30 x 30/30 x 4 mm	Qty	On the job	1,75
10.200.3957	30 x 30/40 x 4 mm	Qty	On the job	2,00
10.200.3958	30 x 30/50 x 4 mm	Qty	On the job	2,25
10.200.3959	30 x 40/40 x 4 mm	Qty	On the job	2,25
	<b>9- Grouted anchor (Flat bar) (stainless steel AISI 304)</b>			
10.200.3971	18x130x2.5 mm	Qty	On the job	1,50
10.200.3972	20x100x2.5 mm	Qty	On the job	1,25
10.200.3973	20x130x2.5 mm	Qty	On the job	1,65
10.200.3974	20x150x2.5 mm	Qty	On the job	1,75
10.200.3975	20 x 150 x 3 mm	Qty	On the job	2,00
10.200.3976	20 x 180 x 3 mm	Qty	On the job	2,40
10.200.3977	20 x 200 x 3 mm	Qty	On the job	2,65
	<b>10- Grouted anchor (rod) (stainless steel AISI 304)</b>			
10.200.3991	Ø5 x 150 mm	Qty	On the job	0,60

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.3992	Ø6 x 150 mm	Qty	On the job	0,90
10.200.3993	Ø6 x 200 mm	Qty	On the job	1,15
10.200.3994	Ø8 x 150 mm	Qty	On the job	1,50
	<b>11- Jacketed dowel pin (stainless steel, AISI 304)</b>			
10.200.4001	M6 x 80 mm	Qty	On the job	1,20
10.200.4002	M6 x 100 mm	Qty	On the job	1,35
10.200.4003	M8 x 80 mm	Qty	On the job	1,75
10.200.4004	M8 x 100 mm	Qty	On the job	1,90
10.200.4005	M10 x 80 mm	Qty	On the job	2,60
10.200.4006	M10 x 100 mm	Qty	On the job	2,85
10.200.4007	M10 x 120 mm	Qty	On the job	3,20
	<b>12- Jacketed dowel pin (ST 37, electrolytically galvanized)</b>			
10.200.4021	M6 x 80 mm	Qty	On the job	0,50
10.200.4022	M6 x 100 mm	Qty	On the job	0,60
10.200.4023	M8 x 80 mm	Qty	On the job	0,70
10.200.4024	M8 x 100 mm	Qty	On the job	0,80
10.200.4025	M10 x 80 mm	Qty	On the job	1,00
10.200.4026	M10 x 100 mm	Qty	On the job	1,10
10.200.4027	M10 x 120 mm	Qty	On the job	1,20
	<b>13- Clip-on dowel pin (stainless steel, AISI 304)</b>			
10.200.4041	M6 x 65 mm	Qty	On the job	1,25
10.200.4042	M6 x 80 mm	Qty	On the job	1,25
10.200.4043	M6 x 100 mm	Qty	On the job	1,50
10.200.4044	M8 x 70 mm	Qty	On the job	1,70
10.200.4045	M8 x 80 mm	Qty	On the job	1,80
10.200.4046	M8 x 100 mm	Qty	On the job	2,20
10.200.4047	M10 x 90 mm	Qty	On the job	3,30
10.200.4048	M10 x 120 mm	Qty	On the job	4,00
10.200.4049	M12 x 110 mm	Qty	On the job	5,20
10.200.4050	M12 x 120 mm	Qty	On the job	5,40
10.200.4051	M16 x 145 mm	Qty	On the job	11,70
	<b>14- Clip-on dowel pin (ST 37, electrolytically galvanized)</b>			
10.200.4061	M6 x 65 mm	Qty	On the job	0,50
10.200.4062	M6 x 80 mm	Qty	On the job	0,60
10.200.4063	M6 x 100 mm	Qty	On the job	0,70
10.200.4064	M8 x 70 mm	Qty	On the job	0,80
10.200.4065	M8 x 80 mm	Qty	On the job	0,80
10.200.4066	M8 x 100 mm	Qty	On the job	0,90
10.200.4067	M10 x 90 mm	Qty	On the job	1,40
10.200.4068	M10 x 120 mm	Qty	On the job	1,60
10.200.4069	M12 x 110 mm	Qty	On the job	2,10
10.200.4070	M12 x 120 mm	Qty	On the job	2,20
10.200.4071	M16 x 145 mm	Qty	On the job	4,60
	<b>15- Sleeve anchor (stainless steel, AISI 304)</b>			
10.200.4081	M6 x 60 mm	Qty	On the job	0,60
10.200.4082	M6 x 80 mm	Qty	On the job	2,10
10.200.4083	M8 x 60 mm	Qty	On the job	2,70

**Market Prices for Construction Materials**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>PURCHASING LOCATION</b>	<b>MARKET PRICE (TRY)</b>
10.200.4084	M8 x 80 mm	Qty	On the job	3,20
10.200.4085	M8 x 100 mm	Qty	On the job	3,40
	<b>16- Sleeve anchor (ST 37, electrolytically galvanized)</b>			
10.200.4091	M6 x 60 mm	Qty	On the job	0,80
10.200.4092	M6 x 80 mm	Qty	On the job	1,00
10.200.4093	M8 x 60 mm	Qty	On the job	1,30
10.200.4094	M8 x 80 mm	Qty	On the job	1,40
10.200.4095	M8 x 100 mm	Qty	On the job	1,60
	<b>17- Stud anchor (stainless steel, AISI 304)</b>			
10.200.4101	M8 x 110 mm	Qty	On the job	2,40
10.200.4102	M10 x 130 mm	Qty	On the job	3,70
10.200.4103	M10 x 170 mm	Qty	On the job	4,20
10.200.4104	M12 x 160 mm	Qty	On the job	6,00
10.200.4105	M16 x 190 mm	Qty	On the job	11,60
10.200.4106	M20 x 240 mm	Qty	On the job	21,20
10.200.4107	M24 x 290 mm	Qty	On the job	35,50
	<b>18- Stud anchor (ST 37, electrolytically galvanized)</b>			
10.200.4121	M8 x 110 mm	Qty	On the job	1,20
10.200.4122	M10 x 130 mm	Qty	On the job	1,50
10.200.4123	M10 x 170 mm	Qty	On the job	1,75
10.200.4124	M12 x 160 mm	Qty	On the job	2,20
10.200.4125	M16 x 190 mm	Qty	On the job	4,10
10.200.4126	M20 x 240 mm	Qty	On the job	7,30
10.200.4127	M24 x 290 mm	Qty	On the job	12,60
	<b>19- Adjusting arm (stainless steel, AISI 304)</b>			
10.200.4141	M8 x 50 mm	Qty	On the job	0,50
10.200.4142	M8 x 60 mm	Qty	On the job	0,60
10.200.4143	M8 x 70 mm	Qty	On the job	0,60
10.200.4144	M10 x 50 mm	Qty	On the job	1,00
10.200.4145	M10 x 60 mm	Qty	On the job	1,10
10.200.4146	M10 x 70 mm	Qty	On the job	1,30
10.200.4147	M10 x 80 mm	Qty	On the job	1,50
10.200.4148	M12 x 50 mm	Qty	On the job	1,40
10.200.4149	M12 x 60 mm	Qty	On the job	1,60
10.200.4150	M12 x 70 mm	Qty	On the job	1,70
10.200.4151	M12 x 80 mm	Qty	On the job	1,90
10.200.4152	M14 x 50 mm	Qty	On the job	1,90
10.200.4153	M14 x 60 mm	Qty	On the job	2,10
10.200.4154	M14 x 70 mm	Qty	On the job	2,30
10.200.4155	M14 x 80 mm	Qty	On the job	2,70
10.200.4156	M16 x 50 mm	Qty	On the job	2,30
10.200.4157	M16 x 60 mm	Qty	On the job	2,70
10.200.4158	M16 x 70 mm	Qty	On the job	3,00
10.200.4159	M16 x 80 mm	Qty	On the job	3,40
	<b>20- Flanged pin (stainless steel, AISI 304)</b>			
10.200.4171	Ø4 x 50 mm	Qty	On the job	0,26
10.200.4172	Ø4 x 60 mm	Qty	On the job	0,34

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.4173	Ø5 x 50 mm	Qty	On the job	0,42
10.200.4174	Ø5 x 60 mm	Qty	On the job	0,43
10.200.4175	Ø5 x 70 mm	Qty	On the job	0,50
10.200.4176	Ø6 x 60 mm	Qty	On the job	0,54
10.200.4177	Ø6 x 75 mm	Qty	On the job	0,62
	<b>21- Lock washer (stainless steel, AISI 304)</b>			
10.200.4181	30/22/2.5 mm	Qty	On the job	0,54
10.200.4182	34/26/3 mm	Qty	On the job	0,71
	<b>22- Flat washer (stainless steel, AISI 304)</b>			
10.200.4191	30/22/2.5 mm	Qty	On the job	0,43
10.200.4192	34/26/3 mm	Qty	On the job	0,62
	<b>23- Bolt (stainless steel, AISI A2 70)</b>			
10.200.4201	M6 x 30 mm	Qty	On the job	0,26
10.200.4202	M6 x 60 mm	Qty	On the job	0,54
10.200.4203	M6 x 80 mm	Qty	On the job	0,62
10.200.4204	M8 x 25 mm	Qty	On the job	0,35
10.200.4205	M8 x 30 mm	Qty	On the job	0,43
10.200.4206	M8 x 40 mm	Qty	On the job	0,54
10.200.4207	M8 x 50 mm	Qty	On the job	0,54
10.200.4208	M8 x 60 mm	Qty	On the job	0,62
10.200.4209	M8 x 80 mm	Qty	On the job	1,05
10.200.4210	M8 x 100 mm	Qty	On the job	1,05
10.200.4211	M10 x 30 mm	Qty	On the job	0,62
10.200.4212	M10 x 40 mm	Qty	On the job	0,70
10.200.4213	M10 x 50 mm	Qty	On the job	0,89
10.200.4214	M12 x 30 mm	Qty	On the job	0,97
10.200.4215	M12 x 40 mm	Qty	On the job	1,10
10.200.4216	M12 x 50 mm	Qty	On the job	1,30
	<b>24- Bolt (ST 37, electrolytically galvanized)</b>			
10.200.4231	M6 x 30 mm	Qty	On the job	0,12
10.200.4232	M6 x 60 mm	Qty	On the job	0,26
10.200.4233	M6 x 80 mm	Qty	On the job	0,26
10.200.4234	M8 x 25 mm	Qty	On the job	0,12
10.200.4235	M8 x 30 mm	Qty	On the job	0,16
10.200.4236	M8 x 40 mm	Qty	On the job	0,18
10.200.4237	M8 x 50 mm	Qty	On the job	0,26
10.200.4238	M8 x 60 mm	Qty	On the job	0,26
10.200.4239	M8 x 80 mm	Qty	On the job	0,35
10.200.4240	M8 x 100 mm	Qty	On the job	0,43
10.200.4241	M10 x 30 mm	Qty	On the job	0,26
10.200.4242	M10 x 40 mm	Qty	On the job	0,30
10.200.4243	M10 x 50 mm	Qty	On the job	0,34
10.200.4244	M12 x 30 mm	Qty	On the job	0,25
10.200.4245	M12 x 40 mm	Qty	On the job	0,34
10.200.4246	M12 x 50 mm	Qty	On the job	0,43



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>25- Nut (stainless steel AISI A2)</b>			
10.200.4261	M6	Qty	On the job	0,08
10.200.4262	M8	Qty	On the job	0,17
10.200.4263	M10	Qty	On the job	0,35
10.200.4264	M12	Qty	On the job	0,62
10.200.4265	M14	Qty	On the job	0,89
10.200.4266	M16	Qty	On the job	1,26
10.200.4267	M20	Qty	On the job	1,76
10.200.4268	M24	Qty	On the job	4,20
	<b>26- Nut (ST 37, electrolytically galvanized)</b>			
10.200.4281	M6-8(including)	Qty	On the job	0,05
10.200.4282	M10	Qty	On the job	0,16
10.200.4283	M12	Qty	On the job	0,17
10.200.4284	M14	Qty	On the job	0,26
10.200.4285	M16	Qty	On the job	0,26
10.200.4286	M20	Qty	On the job	0,71
10.200.4287	M24	Qty	On the job	1,40
	<b>27- Washer (stainless steel, AISI 304)</b>			
10.200.4301	M6-8(including)	Qty	On the job	0,05
10.200.4302	M10	Qty	On the job	0,12
10.200.4303	M12	Qty	On the job	0,17
10.200.4304	M14	Qty	On the job	0,26
10.200.4305	M16	Qty	On the job	0,35
10.200.4306	M20	Qty	On the job	0,71
10.200.4307	M24	Qty	On the job	1,06
	<b>28- Washer (ST 37, electrolytically galvanized)</b>			
10.200.4321	M6-14(including)	Qty	On the job	0,07
10.200.4322	M16	Qty	On the job	0,12
10.200.4323	M20	Qty	On the job	0,17
10.200.4324	M24	Qty	On the job	0,26
	<b>29- Plastic cylinder</b>			
10.200.4331	Ø7 x 30 mm	Qty	On the job	0,12
10.200.4332	Ø8 x 35 mm	Qty	On the job	0,25
	<b>30- Stainless steel bolts and nuts (AISI 304)</b>			
10.200.4441	M 20 x 110	Qty	On the job	16,00
10.200.4442	M 20 x 120	Qty	On the job	16,00
10.200.4443	M 20 x 130	Qty	On the job	17,00
10.200.4444	M 20 x 140	Qty	On the job	18,00
10.200.4445	M 20 x 160	Qty	On the job	20,00
10.200.4446	M 20 x 180	Qty	On the job	22,00
10.200.4447	M 27 x 150	Qty	On the job	41,00
10.200.4448	M 27 x 170	Qty	On the job	45,00
10.200.4449	M 27 x 220	Qty	On the job	58,00
10.200.4450	M 30 x 200	Qty	On the job	67,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.200.4451	M 30 x 210	Qty	On the job	73,00
10.200.4452	M 33 x 220	Qty	On the job	88,00
10.200.4453	M 33 x 240	Qty	On the job	94,00
	<b>Core Barrel, Sampler, Drill Pipes, Well Protection Covers, etc.</b>			
10.200.4501	Core Barrel (Drilling) (Core sampling)	Qty	On the job	1.050,00
10.200.4502	Sampler	Qty	On the job	150,00
10.200.4503	Covered drilling pipe (St 33)	Kg	Factory	3,00
10.200.4504	Filter drilling pipe (St 33)	Kg	Factory	3,70
10.200.4505	3-inch steel pipe (St 37) (TS EN 10255 + A1)	Kg	Factory	2,80
10.200.4506	Well protection pipe	m	Factory	27,00
10.200.4507	Iron pipe (Various sizes)	Kg	Factory	2,10
10.200.4508	Structural steel pipe with an outside diameter of 48.3 and wall thickness of min. 2.7 mm (TS EN 10219-2)	Kg	Factory	3,44
	<b>COATING MATERIALS</b>			
	<b>NATURAL STONES (Honed or polished)</b>			
	<p>1) Prices of the natural stones in the Quotation List are for 2 x 30 - 40 - 50 x free dimension in cm. Other dimensions and thickness values shall be calculated by the following formula.</p> <p>k = The new factor identified,  a = width (cm) b = length (cm) h = thickness (cm) <math>k = (k1 \times k2) - 1</math>  <math>k1 = \log(a \times b) / \log(180) - 0.22</math> (dimension increase factor)  <math>k2 = \log(h) / \log(6) + 0.61</math> (thickness increase factor)  Dimension increase factor shall be taken <math>k1 = 1</math> for all free dimensions.  <math>k = 1</math> for 2 x 30-40-50 x free dimension.</p> <p>2) The aforementioned formulae for the dimension and thickness increase factors;</p> <p>a- Shall not apply to the natural stones with a dimension below 30 cm or both dimensions 60 cm and above (including 60 cm).  b- Shall not apply to the thickness values of 2 to 5 cm (including 5 cm).</p>			
	<b>WHITE AND GRAY MARBLES (Honed or polished) (TS 10449)</b>			
10.240.1001	White Marble	m <sup>2</sup>	On the job	42,00
10.240.1002	Afyon Honey (Afyon)	m <sup>2</sup>	On the job	86,00
10.240.1003	Afyon White (Afyon)	m <sup>2</sup>	On the job	94,00
10.240.1004	Afyon Gray (Afyon)	m <sup>2</sup>	On the job	43,00
10.240.1005	Afyon Tiger Skin (Afyon)	m <sup>2</sup>	On the job	43,00
10.240.1006	Afyon Cream (Afyon)	m <sup>2</sup>	On the job	93,00
10.240.1007	Afyon Sugar (Afyon)	m <sup>2</sup>	On the job	89,00
10.240.1008	Aydın Gray (Aydın)	m <sup>2</sup>	On the job	45,00
10.240.1009	Bursa Kemalpaşa White (Bursa)	m <sup>2</sup>	On the job	55,00
10.240.1010	Çanakkale Biga White (Çanakkale)	m <sup>2</sup>	On the job	55,00
10.240.1011	Çanakkale Pearl (Çanakkale)	m <sup>2</sup>	On the job	55,00
10.240.1012	Denizli White Marble (Denizli)	m <sup>2</sup>	On the job	52,00
10.240.1013	Golden Crystal (Balıkesir)	m <sup>2</sup>	On the job	56,00
10.240.1014	Kale Sugar (Muğla)	m <sup>2</sup>	On the job	75,00
10.240.1015	Kavaklıdere Silver White (Muğla)	m <sup>2</sup>	On the job	39,00
10.240.1016	Kütahya Tiger Skin (Kütahya)	m <sup>2</sup>	On the job	56,00
10.240.1017	Marmara Adası Gray (Balıkesir)	m <sup>2</sup>	On the job	48,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.1018	Marmara White (Balıkesir)	m <sup>2</sup>	On the job	54,00
10.240.1019	Marmara Equator (Balıkesir)	m <sup>2</sup>	On the job	110,00
10.240.1020	Marmara Silver (Balıkesir)	m <sup>2</sup>	On the job	84,00
10.240.1021	Marmara Panda (Balıkesir)	m <sup>2</sup>	On the job	94,00
10.240.1022	Milas (Muğla)	m <sup>2</sup>	On the job	55,00
10.240.1023	Milas White, Muğla White (Muğla)	m <sup>2</sup>	On the job	40,00
10.240.1024	Milas Lilac (Muğla)	m <sup>2</sup>	On the job	60,00
10.240.1025	Milas Lemon (Muğla)	m <sup>2</sup>	On the job	39,00
10.240.1026	Milas Pearl (Muğla)	m <sup>2</sup>	On the job	44,00
10.240.1027	Sandıklı White (Afyon)	m <sup>2</sup>	On the job	170,00
10.240.1028	Uşak White (Uşak)	m <sup>2</sup>	On the job	70,00
10.240.1029	Afyon Cloud (Gray) (Afyon)	m <sup>2</sup>	On the job	55,00
10.240.1030	Bianco Leopardo (Aydın)	m <sup>2</sup>	On the job	37,00
10.240.1031	Bitlis White (Bitlis)	m <sup>2</sup>	On the job	55,00
10.240.1032	Savana Gray (Kastamonu)	m <sup>2</sup>	On the job	175,00
10.240.1033	Silver Gray (Burdur)	m <sup>2</sup>	On the job	120,00
10.240.1034	Soft Gray (Burdur)	m <sup>2</sup>	On the job	225,00
10.240.1035	Marmara Extra White (Balıkesir)	m <sup>2</sup>	On the job	350,00
10.240.1036	Bursa Maroxy (Bursa)	m <sup>2</sup>	On the job	50,00
10.240.1037	Gray Moca (Elazığ)	m <sup>2</sup>	On the job	72,00
10.240.1038	Shadow Gray (Balıkesir)	m <sup>2</sup>	On the job	76,00
10.240.1300	Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing)	m <sup>2</sup>	On the job	13,00
	<b>BEIGE AND PINK MARBLES (Honed or polished) (TS 10449)</b>			
10.240.1301	Light Beige	m <sup>2</sup>	On the job	62,00
10.240.1302	Dark Beige	m <sup>2</sup>	On the job	49,00
10.240.1303	Afyon Beige (Afyon)	m <sup>2</sup>	On the job	44,00
10.240.1304	Amasya Classical Beige (Amasya)	m <sup>2</sup>	On the job	58,00
10.240.1305	Amasya Regal Beige (Amasya)	m <sup>2</sup>	On the job	49,00
10.240.1306	Ankara Anatolian Beige, Ankara Kazan Beige, Ankara Hittite Beige (Ankara)	m <sup>2</sup>	On the job	55,00
10.240.1307	Best Cream (Malatya)	m <sup>2</sup>	On the job	70,00
10.240.1308	Bilecik Ivory (Bilecik)	m <sup>2</sup>	On the job	55,00
10.240.1309	Bilecik Light Beige (Bilecik)	m <sup>2</sup>	On the job	65,00
10.240.1310	Bilecik Dark Beige (Bilecik)	m <sup>2</sup>	On the job	60,00
10.240.1311	Bilecik Kremabil (Bilecik)	m <sup>2</sup>	On the job	97,00
10.240.1312	Bilecik Pink (Bilecik)	m <sup>2</sup>	On the job	68,00
10.240.1313	Bilecik Sugar Beige (Bilecik)	m <sup>2</sup>	On the job	49,00
10.240.1314	Botticino (Diyarbakır)	m <sup>2</sup>	On the job	61,00
10.240.1315	Botticino Royal (Diyarbakır)	m <sup>2</sup>	On the job	66,00
10.240.1316	Burdur Beige (Burdur)	m <sup>2</sup>	On the job	70,00
10.240.1317	Burdur Cappuccino Beige (Burdur)	m <sup>2</sup>	On the job	72,00
10.240.1318	Burdur Sunset (Burdur)	m <sup>2</sup>	On the job	94,00
10.240.1319	Bursa Cream (Bursa)	m <sup>2</sup>	On the job	68,00
10.240.1320	Bursa Rosa (Bursa)	m <sup>2</sup>	On the job	54,00
10.240.1321	Bursa Sugar Beige (Bursa)	m <sup>2</sup>	On the job	45,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.1322	Bursa Beige (Bursa)	m <sup>2</sup>	On the job	49,00
10.240.1323	Carmen Rossa (Manisa)	m <sup>2</sup>	On the job	75,00
10.240.1324	Cream Rose (Bilecik)	m <sup>2</sup>	On the job	54,00
10.240.1325	Crema Eda (Eskişehir)	m <sup>2</sup>	On the job	68,00
10.240.1326	Çermik Beige (Diyarbakır)	m <sup>2</sup>	On the job	56,00
10.240.1327	Çeşme Beige (İzmir)	m <sup>2</sup>	On the job	58,00
10.240.1328	Çorum Tosya Beige (Çorum)	m <sup>2</sup>	On the job	48,00
10.240.1329	Denizli Pink (Denizli)	m <sup>2</sup>	On the job	48,00
10.240.1330	Diyarbakır Hazar Beige (Diyarbakır)	m <sup>2</sup>	On the job	49,00
10.240.1331	Diyarbakır Hazar Rose (Diyarbakır)	m <sup>2</sup>	On the job	49,00
10.240.1332	Diyarbakır Hazar Pink (Diyarbakır)	m <sup>2</sup>	On the job	55,00
10.240.1333	Diyarbakır Kulp Beige (Diyarbakır)	m <sup>2</sup>	On the job	49,00
10.240.1334	Diyarbakır Pink (Diyarbakır)	m <sup>2</sup>	On the job	49,00
10.240.1335	Eflani Beige (Karabük)	m <sup>2</sup>	On the job	67,00
10.240.1336	Erzincan Beige (Erzincan)	m <sup>2</sup>	On the job	58,00
10.240.1337	Erzincan Beige, Green Striped (Erzincan)	m <sup>2</sup>	On the job	54,00
10.240.1338	Eskişehir Beige, Sivrihisar Whipped Cream Beige (Eskişehir)	m <sup>2</sup>	On the job	45,00
10.240.1339	Dusty Rose (Bilecik)	m <sup>2</sup>	On the job	48,00
10.240.1340	Hani Beige (Diyarbakır)	m <sup>2</sup>	On the job	50,00
10.240.1341	Harmankaya Pink (Bilecik)	m <sup>2</sup>	On the job	62,00
10.240.1342	Karia Cream (Burdur)	m <sup>2</sup>	On the job	84,00
10.240.1343	Lice Beige (Diyarbakır)	m <sup>2</sup>	On the job	62,00
10.240.1344	Lotus Beige Dark (Bilecik)	m <sup>2</sup>	On the job	67,00
10.240.1345	Lotus Beige Light (Bilecik)	m <sup>2</sup>	On the job	80,00
10.240.1346	Lotus Cream (Bilecik)	m <sup>2</sup>	On the job	84,00
10.240.1347	Lotus Rosalia (Bilecik)	m <sup>2</sup>	On the job	67,00
10.240.1348	Malatya Beige (Malatya)	m <sup>2</sup>	On the job	68,00
10.240.1349	Olive Maroon (Bursa)	m <sup>2</sup>	On the job	49,00
10.240.1350	Perlato Giallo (Malatya)	m <sup>2</sup>	On the job	67,00
10.240.1351	Perlato Rosa (Malatya)	m <sup>2</sup>	On the job	61,00
10.240.1352	Rosalina (Bilecik)	m <sup>2</sup>	On the job	54,00
10.240.1353	Rosalia Classic (Bilecik)	m <sup>2</sup>	On the job	54,00
10.240.1354	Rosalia Light (Bilecik)	m <sup>2</sup>	On the job	55,00
10.240.1355	Samsun Beige (Samsun)	m <sup>2</sup>	On the job	48,00
10.240.1356	Sivrihisar Pink (Eskişehir)	m <sup>2</sup>	On the job	49,00
10.240.1357	Yozgat Rosato Beige (Yozgat)	m <sup>2</sup>	On the job	48,00
10.240.1358	Sivrihisar Coffee Beige (Eskişehir)	m <sup>2</sup>	On the job	37,00
10.240.1359	Royal Cappuccino (Antalya)	m <sup>2</sup>	On the job	40,00
10.240.1360	Silky Gray (Antalya)	m <sup>2</sup>	On the job	51,00
10.240.1361	Royal Amber (Cream) Antalya	m <sup>2</sup>	On the job	48,00
10.240.1362	Cappuccino (Beige) (Bilecik)	m <sup>2</sup>	On the job	37,00
10.240.1363	Likya Beige (Burdur)	m <sup>2</sup>	On the job	40,00
10.240.1364	Crema Likya Beige (Burdur)	m <sup>2</sup>	On the job	48,00
10.240.1365	Burdur Brown (Red) (Burdur)	m <sup>2</sup>	On the job	48,00
10.240.1366	Flamingo (Pink) (Burdur)	m <sup>2</sup>	On the job	37,00
10.240.1367	New Botticino (Beige) (Diyarbakır)	m <sup>2</sup>	On the job	55,00
10.240.1368	Düzce Beige (Düzce)	m <sup>2</sup>	On the job	51,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.1369	Cremera Beige (Mersin)	m <sup>2</sup>	On the job	51,00
10.240.1370	Cremasiva Beige (Mersin)	m <sup>2</sup>	On the job	45,00
10.240.1371	Camomille (Yellow) (Eskişehir)	m <sup>2</sup>	On the job	78,00
10.240.1372	Balboura Beige (Cream, Red, Green) (Muğla)	m <sup>2</sup>	On the job	32,00
10.240.1373	Crema Barla (Beige) (Isparta)	m <sup>2</sup>	On the job	67,00
10.240.1374	Senirkent Beige (Light Beige) (Isparta)	m <sup>2</sup>	On the job	58,00
10.240.1375	Emelas Beige Marble (Izmir)	m <sup>2</sup>	On the job	55,00
10.240.1376	Diana Rose (Beige Pink) (Konya)	m <sup>2</sup>	On the job	55,00
10.240.1377	Nova Beige (Light Beige) (Mersin)	m <sup>2</sup>	On the job	44,00
10.240.1378	Light Beige (Siirt)	m <sup>2</sup>	On the job	44,00
10.240.1379	Golden Beige (Darende Beige) (Malatya)	m <sup>2</sup>	On the job	106,00
10.240.1380	Bitlis Beige (Bitlis)	m <sup>2</sup>	On the job	44,00
10.240.1381	Golden Emperador Beige (Bilecik)	m <sup>2</sup>	On the job	37,00
10.240.1382	Tawny Beige (Bursa)	m <sup>2</sup>	On the job	140,00
10.240.1383	Cappuccino Light (Bursa)	m <sup>2</sup>	On the job	115,00
10.240.1384	Cafe Latte Dark (Bursa)	m <sup>2</sup>	On the job	140,00
10.240.1385	Moca Dark Beige (Bursa)	m <sup>2</sup>	On the job	130,00
10.240.1386	Apple Beige (Antalya)	m <sup>2</sup>	On the job	170,00
10.240.1387	Myra Beige (Bursa)	m <sup>2</sup>	On the job	170,00
10.240.1388	Prince Beige (Antalya)	m <sup>2</sup>	On the job	170,00
10.240.1389	Afyon Cream Beige (Afyon)	m <sup>2</sup>	On the job	85,00
10.240.1390	Afyon Yellow Beige (Afyon)	m <sup>2</sup>	On the job	93,00
10.240.1391	Orient Pink (Diyarbakır)	m <sup>2</sup>	On the job	66,00
10.240.1392	Koky Beige (Diyarbakır)	m <sup>2</sup>	On the job	72,00
10.240.1393	Christine (Diyarbakır)	m <sup>2</sup>	On the job	64,00
10.240.1394	Adara Cream (Kahramanmaraş)	m <sup>2</sup>	On the job	78,00
10.240.1395	Sand Wave (Diyarbakır)	m <sup>2</sup>	On the job	64,00
10.240.1396	Diyarbakır Beige (Diyarbakır)	m <sup>2</sup>	On the job	60,00
10.240.1397	Ancient Beige (Burdur)	m <sup>2</sup>	On the job	64,00
10.240.1398	Calista Cream (Burdur)	m <sup>2</sup>	On the job	86,00
10.240.1399	Daino Reale (Burdur)	m <sup>2</sup>	On the job	72,00
10.240.1400	Cafe Latte (Isparta)	m <sup>2</sup>	On the job	64,00
10.240.1401	Agora Beige (Manisa)	m <sup>2</sup>	On the job	150,00
10.240.1402	Mink Beige (Manisa)	m <sup>2</sup>	On the job	94,00
10.240.1403	Crema Carita (Burdur)	m <sup>2</sup>	On the job	78,00
10.240.1404	Hammer Beige (Burdur)	m <sup>2</sup>	On the job	56,00
10.240.1405	Crema Doriion (Bursa)	m <sup>2</sup>	On the job	49,00
10.240.1406	Beige Moca (Elazığ)	m <sup>2</sup>	On the job	56,00
10.240.1407	Van Beige (Van)	m <sup>2</sup>	On the job	66,00
10.240.1408	Likya Royal (Burdur)	m <sup>2</sup>	On the job	73,00
10.240.1409	Likya Pearl (Burdur)	m <sup>2</sup>	On the job	80,00
10.240.1410	Lily (Burdur)	m <sup>2</sup>	On the job	80,00
10.240.1411	Crema Nouva (Bilecik)	m <sup>2</sup>	On the job	52,00
10.240.1412	Sahara Beige (Amasya)	m <sup>2</sup>	On the job	45,00
10.240.1413	Apple Beige (Amasya)	m <sup>2</sup>	On the job	45,00
10.240.1414	Sand Beige (Bursa)	m <sup>2</sup>	On the job	52,00
10.240.1415	New Marfile (Bursa)	m <sup>2</sup>	On the job	90,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.1700	Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing)	m <sup>2</sup>	On the job	13,00
	<b>COLORED MARBLES (Honed or polished) (TS 10449)</b>			
10.240.1701	Color Marble	m <sup>2</sup>	On the job	50,00
10.240.1702	Afyon Violet (Afyon)	m <sup>2</sup>	On the job	62,00
10.240.1703	Afyon Black (Afyon)	m <sup>2</sup>	On the job	67,00
10.240.1704	Akşehir Black (Konya)	m <sup>2</sup>	On the job	40,00
10.240.1705	Alanya Emprador Dark (Antalya)	m <sup>2</sup>	On the job	96,00
10.240.1706	Alanya Emprador Light (Antalya)	m <sup>2</sup>	On the job	96,00
10.240.1707	Alanya Black (Antalya)	m <sup>2</sup>	On the job	100,00
10.240.1708	Balıkesir Bigadiç Collared Dove (Balıkesir)	m <sup>2</sup>	On the job	69,00
10.240.1709	Burdur Rose (Burdur)	m <sup>2</sup>	On the job	76,00
10.240.1710	Bursa Emperador (Bursa)	m <sup>2</sup>	On the job	58,00
10.240.1711	Bursa Gold (Bursa)	m <sup>2</sup>	On the job	62,00
10.240.1712	Cappuccino (Bursa)	m <sup>2</sup>	On the job	84,00
10.240.1713	Cappuccino Royal (Diyarbakır)	m <sup>2</sup>	On the job	86,00
10.240.1714	Dark Emprador (Burdur)	m <sup>2</sup>	On the job	62,00
10.240.1715	Dark Olive (Sivas)	m <sup>2</sup>	On the job	160,00
10.240.1716	Eflani Green (Karabük)	m <sup>2</sup>	On the job	49,00
10.240.1717	Aegean Maroon (Wavy and Grainy) (Muğla)	m <sup>2</sup>	On the job	80,00
10.240.1718	Aegean Maroon Space (Muğla)	m <sup>2</sup>	On the job	120,00
10.240.1719	Aegean Coffee (Manisa)	m <sup>2</sup>	On the job	75,00
10.240.1720	Elazığ Cherry (Rosso Levanto) (Elazığ)	m <sup>2</sup>	On the job	96,00
10.240.1721	Izmir Teos Green (Izmir)	m <sup>2</sup>	On the job	78,00
10.240.1722	Kale Bordeaux (Denizli)	m <sup>2</sup>	On the job	120,00
10.240.1723	King Blue Stone (Kütahya)	m <sup>2</sup>	On the job	45,00
10.240.1724	Kütahya Black (Kütahya)	m <sup>2</sup>	On the job	67,00
10.240.1725	Kütahya Green (Kütahya)	m <sup>2</sup>	On the job	58,00
10.240.1726	Maroon Marinace (Kastamonu)	m <sup>2</sup>	On the job	135,00
10.240.1727	Milas Ice and Water Green (Muğla)	m <sup>2</sup>	On the job	150,00
10.240.1728	Antigorite Petroleum Green (Elazığ)	m <sup>2</sup>	On the job	78,00
10.240.1729	Prestige Brown (Kastamonu)	m <sup>2</sup>	On the job	175,00
10.240.1730	Rosso Galiano (Bilecik)	m <sup>2</sup>	On the job	100,00
10.240.1731	Safranbolu Eflani Fossiliferous Rustic Green (Karabük)	m <sup>2</sup>	On the job	120,00
10.240.1732	Sandıklı Brown (Afyon)	m <sup>2</sup>	On the job	120,00
10.240.1733	Sandıklı Black (Afyon)	m <sup>2</sup>	On the job	76,00
10.240.1734	Sivas Silver (Sivas)	m <sup>2</sup>	On the job	45,00
10.240.1735	Süpren (Eskişehir)	m <sup>2</sup>	On the job	65,00
10.240.1736	Tokat Yeşilirmak Diabase (Dolerite) (Tokat)	m <sup>2</sup>	On the job	165,00
10.240.1737	Notre Dame Breccia (Kayseri)	m <sup>2</sup>	On the job	160,00
10.240.1738	Yellow River (Eskişehir)	m <sup>2</sup>	On the job	96,00
10.240.1739	Chem Gray Black (Kulp) (Diyarbakır)	m <sup>2</sup>	On the job	66,00
10.240.1740	Light Emprador (Light Brown) (Adıyaman)	m <sup>2</sup>	On the job	55,00
10.240.1741	Sun Flower (Yellow Beige) (Şanlıurfa)	m <sup>2</sup>	On the job	37,00
10.240.1742	Afyon Tiger Skin (Variegated Blue) (Afyon)	m <sup>2</sup>	On the job	55,00
10.240.1743	Grigio Alanya (Gray) (Antalya)	m <sup>2</sup>	On the job	76,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.1744	Verde Rosa (Aydın)	m <sup>2</sup>	On the job	37,00
10.240.1745	Verde Arabescato (Aydın)	m <sup>2</sup>	On the job	31,00
10.240.1746	Royal Violet (Aydın)	m <sup>2</sup>	On the job	37,00
10.240.1747	Marronvenk Black (Elazığ)	m <sup>2</sup>	On the job	68,00
10.240.1748	Söğüt Beige (Dark Beige) (Bilecik)	m <sup>2</sup>	On the job	37,00
10.240.1749	Gold Beige (Dark Yellow) (Bilecik)	m <sup>2</sup>	On the job	45,00
10.240.1750	Halfeti Pink (Şanlıurfa)	m <sup>2</sup>	On the job	44,00
10.240.1751	Maroon Grizo (Eskişehir)	m <sup>2</sup>	On the job	39,00
10.240.1752	Pansy Green (Hareli) (Kütahya)	m <sup>2</sup>	On the job	76,00
10.240.1753	Violet (Hareli) (Kütahya)	m <sup>2</sup>	On the job	76,00
10.240.1754	Golden Leopard (Yellow) (Şanlıurfa)	m <sup>2</sup>	On the job	37,00
10.240.1755	Bitlis Smoke-gray (Bitlis)	m <sup>2</sup>	On the job	68,00
10.240.1756	Olive Gray (Sivas)	m <sup>2</sup>	On the job	165,00
10.240.1757	Olive Marone Green (Bursa)	m <sup>2</sup>	On the job	170,00
10.240.1758	Brunette (Konya)	m <sup>2</sup>	On the job	170,00
10.240.1759	Olive Pearl (Bursa)	m <sup>2</sup>	On the job	240,00
10.240.1760	Tulip Black (Diyarbakır)	m <sup>2</sup>	On the job	270,00
10.240.1761	Brown Espera (Adıyaman)	m <sup>2</sup>	On the job	78,00
10.240.1762	Reddish Brown (Denizli)	m <sup>2</sup>	On the job	67,00
10.240.1763	Silver Black (Afyon)	m <sup>2</sup>	On the job	86,00
10.240.1764	Portoro (Antalya)	m <sup>2</sup>	On the job	100,00
10.240.1765	Salome (Eskişehir)	m <sup>2</sup>	On the job	43,00
10.240.1766	Golden Spider (Eskişehir)	m <sup>2</sup>	On the job	43,00
10.240.1767	Black Pearl (Diyarbakır)	m <sup>2</sup>	On the job	58,00
10.240.2000	Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing)	m <sup>2</sup>	On the job	13,00
	<b>ONYX (Honed or polished) (TS 10449)</b>	m <sup>2</sup>	On the job	
10.240.2001	Fantasy Onyx (Bayburt)	m <sup>2</sup>	On the job	380,00
10.240.2002	Onyx Honey (Eskişehir)	m <sup>2</sup>	On the job	85,00
10.240.2003	White Onyx (Bayburt)	m <sup>2</sup>	On the job	480,00
10.240.2004	Onyx Marble (Afyon)	m <sup>2</sup>	On the job	220,00
10.240.2005	Sivas Onyx (Sivas)	m <sup>2</sup>	On the job	145,00
10.240.2006	Picasso Onyx (Eskişehir)	m <sup>2</sup>	On the job	270,00
10.240.2007	Honey Onyx (Afyon)	m <sup>2</sup>	On the job	210,00
10.240.2008	Cola Onyx (Afyon)	m <sup>2</sup>	On the job	240,00
10.240.2009	Honey Onyx Akhisar (Manisa)	m <sup>2</sup>	On the job	260,00
10.240.2010	Demirci Onyx (Manisa)	m <sup>2</sup>	On the job	340,00
10.240.2011	Onyx Fantastico (Eskişehir)	m <sup>2</sup>	On the job	230,00
10.240.2012	Nuvola Onyx (Eskişehir)	m <sup>2</sup>	On the job	240,00
10.240.2100	Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing)	m <sup>2</sup>	On the job	13,00
	<b>TRAVERTINES (Honed or polished)</b>			
10.240.2101	Light-colored Travertine	m <sup>2</sup>	On the job	55,00
10.240.2102	Dark-colored Travertine	m <sup>2</sup>	On the job	46,00
10.240.2103	Afyon Beige Travertine (Afyon)	m <sup>2</sup>	On the job	55,00
10.240.2104	Aizona Cream (Balıkesir)	m <sup>2</sup>	On the job	100,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.2105	Arizona Pink (Balıkesir)	m <sup>2</sup>	On the job	87,00
10.240.2106	Arizona Red (Balıkesir)	m <sup>2</sup>	On the job	84,00
10.240.2107	Arizona Red Coffee (Balıkesir)	m <sup>2</sup>	On the job	80,00
10.240.2108	Antique Red Travertine (Kütahya)	m <sup>2</sup>	On the job	70,00
10.240.2109	Balıkesir Noche Travertine (Balıkesir)	m <sup>2</sup>	On the job	87,00
10.240.2110	Balıkesir Scabos (Balıkesir)	m <sup>2</sup>	On the job	87,00
10.240.2111	Bayburt Light Travertine (Bayburt)	m <sup>2</sup>	On the job	62,00
10.240.2112	Chestnut Travertine (Tokat)	m <sup>2</sup>	On the job	56,00
10.240.2113	Chocolate (Kütahya)	m <sup>2</sup>	On the job	120,00
10.240.2114	Chocolate (Balıkesir)	m <sup>2</sup>	On the job	96,00
10.240.2115	Coffee Milk (Balıkesir)	m <sup>2</sup>	On the job	84,00
10.240.2116	Denizli Classical Travertine (Denizli)	m <sup>2</sup>	On the job	58,00
10.240.2117	Denizli White Travertine (Denizli)	m <sup>2</sup>	On the job	96,00
10.240.2118	Denizli Travertine Dark (Denizli)	m <sup>2</sup>	On the job	52,00
10.240.2119	Denizli Travertine Light (Denizli)	m <sup>2</sup>	On the job	74,00
10.240.2120	Elazığ Yellow Travertine (Elazığ)	m <sup>2</sup>	On the job	62,00
10.240.2121	Giresun Classical Light (Giresun)	m <sup>2</sup>	On the job	75,00
10.240.2122	Golden (Kütahya)	m <sup>2</sup>	On the job	120,00
10.240.2123	Kırşehir Noche Travertine (Kırşehir)	m <sup>2</sup>	On the job	60,00
10.240.2124	Konya Travertine (Konya)	m <sup>2</sup>	On the job	80,00
10.240.2125	Leonardo (Kütahya)	m <sup>2</sup>	On the job	130,00
10.240.2126	Rainbow (Balıkesir)	m <sup>2</sup>	On the job	115,00
10.240.2127	Rose Travertine (Kütahya)	m <sup>2</sup>	On the job	68,00
10.240.2128	Rosewood (Balıkesir)	m <sup>2</sup>	On the job	75,00
10.240.2129	Sitra Classical Travertine (Sivas)	m <sup>2</sup>	On the job	49,00
10.240.2130	Sivas Yellow Travertine (Sivas)	m <sup>2</sup>	On the job	58,00
10.240.2131	Sivas Scabos (Sivas)	m <sup>2</sup>	On the job	58,00
10.240.2132	Toscana (Kütahya)	m <sup>2</sup>	On the job	86,00
10.240.2133	Walnut Travertine (Denizli)	m <sup>2</sup>	On the job	56,00
10.240.2134	Scabos Gold (Elazığ)	m <sup>2</sup>	On the job	55,00
10.240.2135	Tuscany Porcini (Elazığ)	m <sup>2</sup>	On the job	55,00
10.240.2136	Rustic Gold (Elazığ)	m <sup>2</sup>	On the job	55,00
10.240.2137	Caribbean (Manisa)	m <sup>2</sup>	On the job	86,00
10.240.2138	Mystic Travertine (Brown) (Sivas)	m <sup>2</sup>	On the job	48,00
10.240.2139	Denizli Travertine Cross (Denizli)	m <sup>2</sup>	On the job	56,00
10.240.2140	Denizli Travertine Vein (Denizli)	m <sup>2</sup>	On the job	72,00
10.240.2141	Afyon Travertine Noche (Afyon)	m <sup>2</sup>	On the job	43,00
10.240.2142	Afyon Cream Travertine (Afyon)	m <sup>2</sup>	On the job	78,00
10.240.2143	Afyon Yellow Travertine (Afyon)	m <sup>2</sup>	On the job	93,00
10.240.2144	Denizli Yellow Travertine (Denizli)	m <sup>2</sup>	On the job	58,00
10.240.2145	Pewter Blend (Afyon)	m <sup>2</sup>	On the job	72,00
10.240.2146	Mare Gold (Konya)	m <sup>2</sup>	On the job	56,00
10.240.2300	Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing)	m <sup>2</sup>	On the job	13,00
	<b>LIMESTONE (Honed or polished) (TS 10449)</b>			
10.240.2301	Crema Classic (Antalya)	m <sup>2</sup>	On the job	58,00



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.2302	Crema Cloudy (Antalya)	m <sup>2</sup>	On the job	58,00
10.240.2303	Emgoni (Sakarya)	m <sup>2</sup>	On the job	160,00
10.240.2304	Arykanda Limestone (White) (Antalya)	m <sup>2</sup>	On the job	49,00
10.240.2305	Caribbean Cream (Antalya)	m <sup>2</sup>	On the job	56,00
10.240.2306	Canarian Cream (Antalya)	m <sup>2</sup>	On the job	49,00
10.240.2307	Champagne (Antalya)	m <sup>2</sup>	On the job	49,00
10.240.2308	Cybele (Antalya)	m <sup>2</sup>	On the job	56,00
10.240.2309	Anatolian White (Yozgat)	m <sup>2</sup>	On the job	49,00
10.240.2400	Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing)	m <sup>2</sup>	On the job	13,00
	<b>GRANITES (Honed or polished) (TS 6234, TS 699)</b>			
10.240.2401	Aksaray Pink, Ortaköy Pink (Aksaray)	m <sup>2</sup>	On the job	161,00
10.240.2402	Aksaray Pasture (Aksaray)	m <sup>2</sup>	On the job	161,00
10.240.2403	Balaban Green (Kırklareli)	m <sup>2</sup>	On the job	205,00
10.240.2404	Bergama Gray (İzmir)	m <sup>2</sup>	On the job	130,00
10.240.2405	Bulancak Smoke-gray (Giresun)	m <sup>2</sup>	On the job	208,00
10.240.2406	Hirfanlı Gray (Kırşehir)	m <sup>2</sup>	On the job	154,00
10.240.2407	Ezine Gray (Çanakkale)	m <sup>2</sup>	On the job	129,00
10.240.2408	Koçaz Pink (Kırklareli)	m <sup>2</sup>	On the job	150,00
10.240.2409	Ankara Smoke-gray (Ankara)	m <sup>2</sup>	On the job	180,00
10.240.2410	Hisar Gray (Eskişehir)	m <sup>2</sup>	On the job	180,00
10.240.2411	Diana Gray (Ağrı)	m <sup>2</sup>	On the job	90,00
10.240.2412	Nero Nebiyan (Samsun)	m <sup>2</sup>	On the job	165,00
10.240.2413	Beypazarı Gray Rose (Ankara)	m <sup>2</sup>	On the job	150,00
10.240.2414	İspir Green (Erzurum)	m <sup>2</sup>	On the job	180,00
10.240.2415	İspir Gray (Erzurum)	m <sup>2</sup>	On the job	160,00
10.240.2416	Pazaryolu Emerald (Rize)	m <sup>2</sup>	On the job	170,00
	NOTE: Aforementioned materials with item no. 04.416/G shall be sent to tests per the standard TS 699 within the knowledge of the administration. Laboratory test reports (water absorption rate, abrasion and pressure resistance) shall be requested with the payment receipt.			
10.240.2500	Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing)	m <sup>2</sup>	On the job	24,00
	<b>DIABASES (Honed or polished) (TS 10449)</b>			
10.240.2501	Dark Green Diabase (Bursa)	m <sup>2</sup>	On the job	110,00
10.240.2502	Alanya Green Diabase (Antalya)	m <sup>2</sup>	On the job	205,00
10.240.2600	Any surface treatment (including burning, aging, sanding, hammering, filling, natural sizing, acid washing, etc., excluding honing and polishing)	m <sup>2</sup>	On the job	13,00
	<b>ANDESITE KERBS AND SLABS (TS 10835)</b>			
	<b>Andesite Curbs</b>			
10.240.2601	10 x 10 x 50 cm	Qty	On the job	12,80
10.240.2602	10 x 15 x 50 cm	Qty	On the job	17,70
10.240.2603	10 x 20 x 50 cm	Qty	On the job	19,80
10.240.2604	10 x 25 x 50 cm	Qty	On the job	22,80
10.240.2605	10 x 30 x 50 cm	Qty	On the job	24,80

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.2606	15 x 15 x 50 cm	Qty	On the job	28,20
10.240.2607	15 x 20 x 50 cm	Qty	On the job	32,00
10.240.2608	15 x 25 x 50 cm	Qty	On the job	37,00
10.240.2609	15 x 30 x 50 cm	Qty	On the job	39,00
10.240.2610	15 x 40 x 50 cm (horizontal curb)	Qty	On the job	47,00
10.240.2611	10 x 10 x 70 cm	Qty	On the job	18,00
10.240.2612	10 x 15 x 70 cm	Qty	On the job	24,10
10.240.2613	10 x 20 x 70 cm	Qty	On the job	27,60
10.240.2614	10 x 25 x 70 cm	Qty	On the job	32,10
10.240.2615	10 x 30 x 70 cm	Qty	On the job	34,00
10.240.2616	15 x 15 x 70 cm	Qty	On the job	37,00
10.240.2617	15 x 20 x 70 cm	Qty	On the job	44,00
10.240.2618	15 x 25 x 70 cm	Qty	On the job	52,00
10.240.2619	15 x 30 x 70 cm	Qty	On the job	54,00
10.240.2620	15 x 40 x 70 cm	Qty	On the job	58,00
10.240.2621	8 x 20 x 50 cm gutter stone	m	On the job	47,00
	<b>Andesite plates</b>			
	<b>A- 3-cm thickness</b>			
10.240.2641	15 x 15 cm size	m <sup>2</sup>	On the job	45,00
10.240.2642	20 x 20 cm size	m <sup>2</sup>	On the job	47,00
10.240.2643	30 x 30 cm size	m <sup>2</sup>	On the job	53,00
10.240.2644	40 x 40 cm size	m <sup>2</sup>	On the job	60,00
10.240.2645	50 x 50 cm size	m <sup>2</sup>	On the job	68,00
10.240.2646	15 cm x free dimension	m <sup>2</sup>	On the job	37,00
10.240.2647	20 cm x free dimension	m <sup>2</sup>	On the job	41,00
10.240.2648	30 cm x free dimension	m <sup>2</sup>	On the job	45,00
10.240.2649	40 cm x free dimension	m <sup>2</sup>	On the job	54,00
10.240.2650	50 cm x free dimension	m <sup>2</sup>	On the job	60,00
	<b>B- 4-cm thickness</b>			
10.240.2661	15 x 15 cm size	m <sup>2</sup>	On the job	53,00
10.240.2662	20 x 20 cm size	m <sup>2</sup>	On the job	63,00
10.240.2663	30 x 30 cm size	m <sup>2</sup>	On the job	60,00
10.240.2664	40 x 40 cm size	m <sup>2</sup>	On the job	66,00
10.240.2665	50 x 50 cm size	m <sup>2</sup>	On the job	68,00
10.240.2666	15 cm x free dimension	m <sup>2</sup>	On the job	45,00
10.240.2667	20 cm x free dimension	m <sup>2</sup>	On the job	48,00
10.240.2668	30 cm x free dimension	m <sup>2</sup>	On the job	53,00
10.240.2669	40 cm x free dimension	m <sup>2</sup>	On the job	57,00
10.240.2670	50 cm x free dimension	m <sup>2</sup>	On the job	60,00
	<b>C- 5-cm thickness</b>			
10.240.2681	15 x 15 cm size	m <sup>2</sup>	On the job	56,00
10.240.2682	20 x 20 cm size	m <sup>2</sup>	On the job	59,00
10.240.2683	30 x 30 cm size	m <sup>2</sup>	On the job	63,00
10.240.2684	40 x 40 cm size	m <sup>2</sup>	On the job	69,00
10.240.2685	50 x 50 cm size	m <sup>2</sup>	On the job	74,00
10.240.2686	15 cm x free dimension	m <sup>2</sup>	On the job	48,00
10.240.2687	20 cm x free dimension	m <sup>2</sup>	On the job	51,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.2688	30 cm x free dimension	m <sup>2</sup>	On the job	56,00
10.240.2689	40 cm x free dimension	m <sup>2</sup>	On the job	60,00
10.240.2690	50 cm x free dimension	m <sup>2</sup>	On the job	63,00
	<b>D- 6-cm thickness</b>			
10.240.2701	15 x 15 cm size	m <sup>2</sup>	On the job	59,00
10.240.2702	20 x 20 cm size	m <sup>2</sup>	On the job	62,00
10.240.2703	30 x 30 cm size	m <sup>2</sup>	On the job	66,00
10.240.2704	40 x 40 cm size	m <sup>2</sup>	On the job	72,00
10.240.2705	50 x 50 cm size	m <sup>2</sup>	On the job	77,00
10.240.2706	15 cm x free dimension	m <sup>2</sup>	On the job	51,00
10.240.2707	20 cm x free dimension	m <sup>2</sup>	On the job	54,00
10.240.2708	30 cm x free dimension	m <sup>2</sup>	On the job	59,00
10.240.2709	40 cm x free dimension	m <sup>2</sup>	On the job	75,00
10.240.2710	50 cm x free dimension	m <sup>2</sup>	On the job	80,00
	<b>E- 3-cm thickness impactite (derived from 6-cm thickness stones)</b>			
10.240.2721	10 x 10 cm	m <sup>2</sup>	On the job	62,00
10.240.2722	15 x 15 cm size	m <sup>2</sup>	On the job	65,00
10.240.2723	20 x 20 cm size	m <sup>2</sup>	On the job	68,00
10.240.2724	10 cm x free dimension	m <sup>2</sup>	On the job	54,00
10.240.2725	15 cm x free dimension	m <sup>2</sup>	On the job	56,00
10.240.2726	20 cm x free dimension	m <sup>2</sup>	On the job	57,00
	Note: Intermediate values shall be interpolated for item numbers 04,425/1,2			
10.240.2741	Korgun pink (4-cm thickness and in any size)	m <sup>2</sup>	On the job	43,00
10.240.2742	Korgun pink (6-cm thickness and in any size)	m <sup>2</sup>	On the job	55,00
10.240.2743	Kurşunlu black (4-cm thickness and in any size)	m <sup>2</sup>	On the job	49,00
10.240.2744	Kurşunlu black (6-cm thick and in any size)	m <sup>2</sup>	On the job	62,00
	Note: Intermediate values shall be interpolated.			
	<b>BASALT STONE</b>			
	<b>1-Kerbs</b>			
10.240.2901	10 x 15 x 50 cm	Qty	On the job	14,10
10.240.2902	10 x 20 x 50 cm	Qty	On the job	17,80
10.240.2903	10 x 25 x 50 cm	Qty	On the job	22,00
10.240.2904	10 x 30 x 50 cm	Qty	On the job	25,00
	<b>2- Panels:</b> Note: Intermediate values shall be interpolated.			
10.240.2911	2 x 30 x 30 cm	m <sup>2</sup>	On the job	41,00
10.240.2912	2 x 40 x 40 cm	m <sup>2</sup>	On the job	47,00
10.240.2913	2 x 30 x free dimension	m <sup>2</sup>	On the job	35,00
10.240.2914	2 x 40 x free dimension	m <sup>2</sup>	On the job	38,00
10.240.2915	3 x 30 x 30 cm	m <sup>2</sup>	On the job	47,00
10.240.2916	3 x 40 x 40 cm	m <sup>2</sup>	On the job	53,00
10.240.2917	3 x 30 x free dimension	m <sup>2</sup>	On the job	38,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.2918	3 x 40 x free dimension	m <sup>2</sup>	On the job	45,00
10.240.2919	4 x 30 x 30 cm	m <sup>2</sup>	On the job	57,00
10.240.2920	4 x 40 x 40 cm	m <sup>2</sup>	On the job	59,00
10.240.2921	4 x 30 x free dimension	m <sup>2</sup>	On the job	46,00
10.240.2922	4 x 40 x free dimension	m <sup>2</sup>	On the job	53,00
10.240.2923	5 x 30 x 30 cm	m <sup>2</sup>	On the job	62,00
10.240.2924	5 x 40 x 40 cm	m <sup>2</sup>	On the job	71,00
10.240.2925	5 x 30 x free dimension	m <sup>2</sup>	On the job	55,00
10.240.2926	5 x 40 x free dimension	m <sup>2</sup>	On the job	60,00
10.240.2927	6 x 30 x free dimension	m <sup>2</sup>	On the job	67,00
10.240.2928	6 x 40 x free dimension	m <sup>2</sup>	On the job	75,00
	<b>REGIONAL NATURAL STONES (In any size depending on the project)</b>			
10.240.3001	Bayburt stone (Tuff, tuffite) (4-cm slab)	m <sup>2</sup>	On the job	19,00
	<b>Ignimbrite coating stone (Slab)</b>			
10.240.3011	Black and red (4 to 6-cm thickness)	m <sup>2</sup>	On the job	20,00
10.240.3012	White (4 to 6-cm thickness)	m <sup>2</sup>	On the job	37,00
	<b>Kayseri stone (Slab)</b>			
10.240.3021	Mimarsinan stone (3-cm thickness)	m <sup>2</sup>	On the job	36,00
10.240.3022	Mancusun stone (3-cm thickness)	m <sup>2</sup>	On the job	36,00
10.240.3023	Erkilet stone (2-cm thickness)	m <sup>2</sup>	On the job	33,00
10.240.3024	Tomarza stone (2-cm thick)	m <sup>2</sup>	On the job	33,00
	<b>Siirt stone (Slab)</b>			
10.240.3031	3-cm thickness	m <sup>2</sup>	On the job	25,00
10.240.3032	4-cm thickness	m <sup>2</sup>	On the job	28,00
10.240.3033	5-cm thickness	m <sup>2</sup>	On the job	32,00
10.240.3034	6-cm thickness	m <sup>2</sup>	On the job	35,00
	<b>Düzce stone</b>			
	<b>a) 3-cm thickness slabs (black - unpolished)</b>			
10.240.3041	3 x 10 x 40 cm	m <sup>2</sup>	On the job	51,00
10.240.3042	3 x 10 x free dimension cm	m <sup>2</sup>	On the job	49,00
10.240.3043	3 x 20 x 40 cm	m <sup>2</sup>	On the job	55,00
10.240.3044	3 x 20 x free dimension cm	m <sup>2</sup>	On the job	53,00
10.240.3045	3 x 30 x 40 cm	m <sup>2</sup>	On the job	60,00
10.240.3046	3 x 30 x free dimension cm	m <sup>2</sup>	On the job	56,00
	<b>b) 4-cm thickness slabs (black - unpolished)</b>			
10.240.3051	4 x 10 x 40 cm	m <sup>2</sup>	On the job	66,00
10.240.3052	4 x 10 x free dimension cm	m <sup>2</sup>	On the job	63,00
10.240.3053	4 x 20 x 40 cm	m <sup>2</sup>	On the job	68,00
10.240.3054	4 x 20 x free dimension cm	m <sup>2</sup>	On the job	67,00
10.240.3055	4 x 30 x 40 cm	m <sup>2</sup>	On the job	73,00
10.240.3056	4 x 30 x free dimension cm	m <sup>2</sup>	On the job	71,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>c) Curbs (beveled) (black - unpolished)</b>			
10.240.3061	15 x 15 x 50 cm	Qty	On the job	37,00
10.240.3062	15 x 15 x 35 cm	Qty	On the job	27,00
10.240.3063	15 x 15 x 70 cm	Qty	On the job	51,00
10.240.3064	10 x 10 x 50 cm	Qty	On the job	28,00
10.240.3065	10 x 10 x 35 cm	Qty	On the job	20,00
10.240.3066	10 x 10 x 70 cm	Qty	On the job	38,00
	<b>d) Gutter (black - unpolished)</b>			
10.240.3071	6 x 20 x free dimension cm	m	On the job	41,00
	<b>COATING SUPPLIES</b>			
10.240.3201	Marble chips (White)	Tons	On the job	47,50
10.240.3202	Marble chips (Color)	Tons	On the job	56,00
10.240.3203	Marble powder (White)	Tons	On the job	40,00
10.240.3204	Marble powder (Color)	Tons	On the job	50,00
10.240.3205	Natural stone chips	Tons	On the job	38,50
10.240.3206	Natural stone powder	Tons	On the job	47,00
	<b>CERAMIC TILES</b>			
	<b>Such materials shall be put to tests for compliance with TS EN 14411 if considered necessary by the administration. Laboratory test reports (water absorption, fracture and abrasion strength) shall be requested with the payment receipt.</b>			
	<b>Ceramic Floor Tiles (First Quality) (TS EN 14411 - Dry-pressed ceramic tiles - Low water absorption 0.5% &lt; E &lt; 3% group B1b)</b>			
10.240.3301	White floor tile with any pattern and surface characteristics (20 x 20 cm nominal size)	m <sup>2</sup>	On the job	19,50
10.240.3302	White floor tile with any pattern and surface characteristics (30 x 30 cm - 33 x 33 cm nominal size)	m <sup>2</sup>	On the job	18,50
10.240.3303	White floor tile with any pattern and surface characteristics (40 x 40 cm nominal size)	m <sup>2</sup>	On the job	19,00
10.240.3304	White floor tile with any pattern and surface characteristics (42.5 x 42.5 cm - 45 x 45 cm nominal size)	m <sup>2</sup>	On the job	19,50
10.240.3351	Colored floor tile with any pattern and surface characteristics (20 x 20 cm nominal size)	m <sup>2</sup>	On the job	21,00
10.240.3352	Colored floor tile with any pattern and surface characteristics (30 x 30 cm - 33 x 33 cm nominal size)	m <sup>2</sup>	On the job	19,50
10.240.3353	Colored floor tile with any pattern and surface characteristics (40 x 40 cm nominal size)	m <sup>2</sup>	On the job	20,50
10.240.3354	Colored floor tile with any pattern and surface characteristics (42.5 x 42.5 cm - 45 x 45 cm nominal size)	m <sup>2</sup>	On the job	21,00
	Note: Extra TRY 6 shall be charged if ceramic floor tiles are rectified.			

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>Ceramic Wall Tiles (First Quality) (TS EN 14411 - Dry-pressed ceramic tiles E &gt; 10% Group BIII)</b>			
10.240.3401	White wall tile with any pattern and surface characteristics (10 x 10 cm nominal size, meshed)	m <sup>2</sup>	On the job	26,00
10.240.3402	White wall tile with any pattern and surface characteristics (20 x 20 cm nominal size)	m <sup>2</sup>	On the job	19,00
10.240.3403	White wall tile with any pattern and surface characteristics (20 x 25 cm - 20 x 30 cm nominal size)	m <sup>2</sup>	On the job	22,50
10.240.3404	White wall tile with any pattern and surface characteristics (20 x 40 cm - 20 x 45 cm nominal size)	m <sup>2</sup>	On the job	20,50
10.240.3405	White wall tile with any pattern and surface characteristics (25 x 33 cm - 25 x 40 cm nominal size)	m <sup>2</sup>	On the job	20,50
10.240.3406	White wall tile with any pattern and surface characteristics (20 x 60 cm - 30 x 60 cm - 33 x 60 cm nominal size)	m <sup>2</sup>	On the job	27,00
10.240.3407	White wall tile with any pattern and surface characteristics (20 x 50 cm - 25 x 50 cm - 30 x 45 cm - 33 x 45 cm nominal size)	m <sup>2</sup>	On the job	19,50
10.240.3408	White wall tile with any pattern and surface characteristics (30 x 90 cm - 33 x 90 cm - 33 x 100 cm - 31 x 92 cm nominal size)	m <sup>2</sup>	On the job	38,00
10.240.3409	White wall tile with any pattern and surface characteristics (25 x 70 cm - 25 x 75 cm - 40 x 80 cm nominal size)	m <sup>2</sup>	On the job	36,50
10.240.3451	Colored wall tile with any pattern and surface characteristics (10 x 10 cm nominal size, meshed)	m <sup>2</sup>	On the job	27,50
10.240.3452	Colored wall tile with any pattern and surface characteristics (20 x 20 cm nominal size)	m <sup>2</sup>	On the job	20,50
10.240.3453	Colored wall tile with any pattern and surface characteristics (20 x 25 cm - 20 x 30 cm nominal size)	m <sup>2</sup>	On the job	24,50
10.240.3454	Colored wall tile with any pattern and surface characteristics (20 x 40 cm - 20 x 45 cm nominal size)	m <sup>2</sup>	On the job	22,00
10.240.3455	Colored wall tile with any pattern and surface characteristics (25 x 33 cm - 25 x 40 cm nominal size)	m <sup>2</sup>	On the job	22,00
10.240.3456	Colored wall tile with any pattern and surface characteristics (20 x 60 cm - 30 x 60 cm - 33 x 60 cm nominal size)	m <sup>2</sup>	On the job	28,00
10.240.3457	Colored wall tile with any pattern and surface characteristics (20 x 50 cm - 25 x 50 cm - 30 x 45 cm - 33 x 45 cm nominal size)	m <sup>2</sup>	On the job	21,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.3458	Colored wall tile with any pattern and surface characteristics (30 x 90 cm - 33 x 90 cm - 33 x 100 cm - 31 x 92 cm nominal size)	m <sup>2</sup>	On the job	39,50
10.240.3459	Colored wall tile with any pattern and surface characteristics (25 x 70 cm - 25 x 75 cm - 40 x 80 cm nominal size)	m <sup>2</sup>	On the job	38,00
	Note: Extra TRY 6 shall be charged if ceramic wall tiles are rectified.			
	<b>Gazed Porcelain Tiles (First Quality) (TS EN 14411 - Dry-pressed ceramic tiles - Low water absorption E &lt; 0.5% group BIa)</b>			
10.240.3501	White, glazed porcelain tile with any pattern and surface characteristics (10 x 10 cm nominal size, meshed)	m <sup>2</sup>	On the job	37,50
10.240.3502	White, glazed porcelain tile with any pattern and surface characteristics (10 x 20 cm - 12.5 x 25 cm - 12 x 24.5 cm nominal size)	m <sup>2</sup>	On the job	31,50
10.240.3503	White, glazed porcelain tile with any pattern and surface characteristics (20 x 20 cm nominal size)	m <sup>2</sup>	On the job	30,50
10.240.3504	White, glazed porcelain tile with any pattern and surface characteristics (30 x 30 cm - 33 x 33 cm nominal size)	m <sup>2</sup>	On the job	27,50
10.240.3505	White, glazed porcelain tile with any pattern and surface characteristics (40 x 40 cm nominal size)	m <sup>2</sup>	On the job	29,00
10.240.3506	White, glazed porcelain tile with any pattern and surface characteristics (42.5 x 42.5 cm - 45 x 45 cm nominal size)	m <sup>2</sup>	On the job	29,00
10.240.3508	White, glazed porcelain tile with any pattern and surface characteristics (60 x 60 cm nominal size)	m <sup>2</sup>	On the job	35,50
10.240.3509	White, glazed porcelain tile with any pattern and surface characteristics (15 x 60 cm nominal size)	m <sup>2</sup>	On the job	41,00
10.240.3510	White, glazed porcelain tile with any pattern and surface characteristics (30 x 60 cm nominal size)	m <sup>2</sup>	On the job	36,50
10.240.3511	White, glazed porcelain tile with any pattern and surface characteristics (15 x 90 cm - 22.5 x 90 cm nominal size)	m <sup>2</sup>	On the job	52,50
10.240.3512	White, glazed porcelain tile with any pattern and surface characteristics (20 x 120 cm - 30 x 120 cm nominal size)	m <sup>2</sup>	On the job	67,50
10.240.3514	White, glazed porcelain tile with any pattern and surface characteristics (60 x 90 cm - 60 x 120 cm nominal size)	m <sup>2</sup>	On the job	56,50
10.240.3515	White, glazed porcelain tile with any pattern and surface characteristics (80 x 80 cm - 90 x 90 cm nominal size)	m <sup>2</sup>	On the job	50,50
10.240.3516	White, glazed porcelain tile with any pattern and surface characteristics (80 x 160 cm nominal size)	m <sup>2</sup>	On the job	88,50

**Market Prices for Construction Materials**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>PURCHASING LOCATION</b>	<b>MARKET PRICE (TRY)</b>
10.240.3517	White, glazed porcelain tile with any pattern and surface characteristics (90 x 180 cm nominal size)	m <sup>2</sup>	On the job	108,50
10.240.3551	Colored, glazed porcelain tiles with any pattern and surface characteristics (10 x 10 cm nominal size, meshed)	m <sup>2</sup>	On the job	39,00
10.240.3552	Colored, glazed porcelain tiles with any pattern and surface characteristics (10 x 20 cm - 12.5 x 25 cm - 12 x 24.5 cm nominal size)	m <sup>2</sup>	On the job	33,00
10.240.3553	Colored, glazed porcelain tiles with any pattern and surface characteristics (20 x 20 cm nominal size)	m <sup>2</sup>	On the job	33,00
10.240.3554	Colored, glazed porcelain tiles with any pattern and surface characteristics (30 x 30 cm - 33 x 33 cm nominal size)	m <sup>2</sup>	On the job	29,00
10.240.3555	Colored, glazed porcelain tiles with any pattern and surface characteristics (40 x 40 cm nominal size)	m <sup>2</sup>	On the job	30,50
10.240.3556	Colored, glazed porcelain tiles with any pattern and surface characteristics (42.5 x 42.5 cm - 45 x 45 cm nominal size)	m <sup>2</sup>	On the job	30,50
10.240.3558	Colored, glazed porcelain tiles with any pattern and surface characteristics (60 x 60 cm nominal size)	m <sup>2</sup>	On the job	36,50
10.240.3559	Colored, glazed porcelain tiles with any pattern and surface characteristics (15 x 60 cm nominal size)	m <sup>2</sup>	On the job	42,50
10.240.3560	Colored, glazed porcelain tiles with any pattern and surface characteristics (30 x 60 cm nominal size)	m <sup>2</sup>	On the job	38,00
10.240.3561	Colored, glazed porcelain tiles with any pattern and surface characteristics (15 x 90 cm - 22.5 x 90 cm nominal size)	m <sup>2</sup>	On the job	54,00
10.240.3562	Colored, glazed porcelain tiles with any pattern and surface characteristics (20 x 120 cm - 30 x 120 cm nominal size)	m <sup>2</sup>	On the job	69,00
10.240.3564	Colored, glazed porcelain tile with any pattern and surface characteristics (60 x 90 cm - 60 x 120 cm nominal size)	m <sup>2</sup>	On the job	58,00
10.240.3565	Colored, glazed porcelain tile with any pattern and surface characteristics (80 x 80 cm - 90 x 90 cm nominal size)	m <sup>2</sup>	On the job	52,00
10.240.3566	Colored, glazed porcelain tile with any pattern and surface characteristics (80 x 160 cm nominal size)	m <sup>2</sup>	On the job	90,00
10.240.3567	Colored, glazed porcelain tile with any pattern and surface characteristics (90 x 180 cm nominal size)	m <sup>2</sup>	On the job	110,00
	Note: Extra TRY 6 shall be charged if ceramic wall tiles are rectified.			
	<b>Gazed Porcelain Tiles (First Quality) (TS EN 14411 - Dry-pressed ceramic tiles - Low water absorption E &lt; 0.5% group BIa)</b>			
10.240.3601	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (10 x 10 cm nominal size, meshed)	m <sup>2</sup>	On the job	41,50



**Market Prices for Construction Materials**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>PURCHASING LOCATION</b>	<b>MARKET PRICE (TRY)</b>
10.240.3603	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (20 x 20 cm nominal size)	m <sup>2</sup>	On the job	35,50
10.240.3604	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (30 x 30 cm - 33 x 33 cm nominal size)	m <sup>2</sup>	On the job	31,50
10.240.3605	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (40 x 40 cm nominal size)	m <sup>2</sup>	On the job	34,00
10.240.3606	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (42.5 x 42.5 cm - 45 x 45 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	41,00
10.240.3608	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (60 x 60 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	47,50
10.240.3609	Matte, non-glazed porcelain tile with any color and pattern and surface characteristics (15 x 60 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	48,00
10.240.3610	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (30 x 60 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	48,50
10.240.3612	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (20 x 120 cm - 30 x 120 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	79,00
10.240.3614	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (60 x 90 cm - 60 x 120 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	83,00
10.240.3615	Matte, non-glazed porcelain tile with any color and pattern and surface characteristics (80 x 80 cm - 90 x 90 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	65,00
10.240.3616	Matte, non-glazed porcelain tile with any color and pattern and surface characteristics (80 x 160 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	75,00
10.240.3617	Matte, non-glazed porcelain tile with any color and pattern and surface characteristics (90 x 180 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	110,00
10.240.3651	Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (10 x 10 cm nominal size, meshed) (Rectified)	m <sup>2</sup>	On the job	55,00
10.240.3653	Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (20 x 20 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	46,00
10.240.3654	Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (30 x 30 cm - 33 x 33 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	41,00
10.240.3655	Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (40 x 40 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	44,00
10.240.3656	Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (42.5 x 42.5 cm - 45 x 45 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	54,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.3658	Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (60 x 60 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	60,50
10.240.3659	Glossy, non-glazed porcelain tile with any color and pattern and surface characteristics (15 x 60 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	61,00
10.240.3660	Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (30 x 60 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	64,50
10.240.3662	Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (20 x 120 cm - 30 x 120 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	104,50
10.240.3664	Glossy, non-glazed porcelain tiles with any color, pattern and surface characteristics (60 x 90 cm - 60 x 120 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	106,50
10.240.3665	Glossy, non-glazed porcelain tile with any color and pattern and surface characteristics (80 x 80 cm - 90 x 90 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	78,00
10.240.3666	Glossy, non-glazed porcelain tile with any color and pattern and surface characteristics (80 x 160 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	88,00
10.240.3667	Glossy, non-glazed porcelain tile with any color and pattern and surface characteristics (90 x 180 cm nominal size) (Rectified)	m <sup>2</sup>	On the job	123,00
	Note 1: Extra TRY 6 shall be charged if unrectified non-glazed porcelain tiles are rectified.			
	Note 2: The surfaces of glossy non-glazed porcelain tiles shall be coated with a protective layer.			
	<b>Industrial Floor Ceramics (First Quality) (TS EN 14411 - Dry-pressed ceramic tiles - Low water absorption E &lt; 0.5% group Bla)</b>			
10.240.3701	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (20 x 20 x 0.8 cm nominal size)	m <sup>2</sup>	On the job	34,00
10.240.3702	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (20 x 20 x 1.2 cm nominal size)	m <sup>2</sup>	On the job	36,50
10.240.3703	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (20 x 20 x 1.4 cm nominal size)	m <sup>2</sup>	On the job	41,00
10.240.3705	Matte, non-glazed porcelain tiles with any color, pattern and surface characteristics (24 x 24 x 1.4 cm nominal size)	m <sup>2</sup>	On the job	41,00
	Note: Extra TRY 6 shall be charged if industrial flooring ceramics are rectified.			
	<b>Pool Ceramics (First Quality) (TS EN 14411 - Rolled ceramic tiles - Low water absorption E &lt; 0.5% group Ala)</b>			
10.240.3801	Partly color-glazed pool railings (Nominal size: 119 x 244 x 23 mm - 120 x 245 x 20 mm)	Qty	On the job	21,00
10.240.3802	Partly color-glazed, grooved pool railings (Nominal size: 119 x 244 x 23 mm - 120 x 245 x 20 mm)	Qty	On the job	21,00
10.240.3803	non-glazed, serrated pool-side tiles (Nominal size: 119 x 244 x 8 mm - 120 x 245 x 8 mm)	Qty	On the job	3,75

**Market Prices for Construction Materials**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>PURCHASING LOCATION</b>	<b>MARKET PRICE (TRY)</b>
10.240.3807	Corners (inside/outside) of partly color-glazed pool railings (Nominal size: 119 x 119 x 23 mm - 120 x 245 x 20 mm)	Qty	On the job	27,50
10.240.3808	Internal profile coated with color glazing (Nominal size: 55 x 244 x 33 mm - 45 x 245 x 35 mm)	Qty	On the job	20,00
10.240.3809	External profile coated with color glazing (Nominal size: 40 x 244 x 33 mm - 45 x 245 x 35 mm)	Qty	On the job	20,00
10.240.3810	Internal profile corner coated with color glazing (Nominal size: 55 x 55 x 33 mm - 45 x 45 x 35 mm)	Qty	On the job	8,80
10.240.3811	External profile corner coated with color glazing (Nominal size: 40 x 40 x 33 mm - 45 x 45 x 35 mm)	Qty	On the job	8,80
10.240.3813	Partly color-glazed pool railings (Nominal size: 244 x 244 x 23 mm - 245 x 245 x 20 mm)	Qty	On the job	28,50
10.240.3814	Partly color-glazed, grooved pool railings (Nominal size: 244 x 244 x 23 mm - 245 x 245 x 20 mm)	Qty	On the job	28,50
10.240.3815	Partly color-glazed, grooved pool railings (Nominal size: 244 x 244 x 28/40 mm)	Qty	On the job	28,50
10.240.3816	Corners (inside/outside) of partly color-glazed pool railings (Nominal size: 244 x 244 x 23 mm - 245 x 245 x 20 mm)	Qty	On the job	54,00
10.240.3817	Corners (inside/outside) of partly color-glazed pool railings with foot grates (Nominal size: 275 x 275 x 28/40 mm - 250+40 x 245 x 35 mm)	Qty	On the job	65,50
10.240.3818	Partly color-glazed pool railings with foot grates (Nominal size: 275 x 244 x 28/40 mm - 250+40 x 245 x 35 mm)	Qty	On the job	33,00
10.240.3819	Partly color-glazed, grooved pool railings with foot grates (Nominal size: 275 x 244 x 28/40 mm - 250+40 x 245 x 35 mm)	Qty	On the job	33,00
10.240.3823	non-glazed, serrated poolside tiles with grate feet (Nominal size: 145 x 244 x 40 mm - 120+40 x 245 x 35 mm)	Qty	On the job	14,80
10.240.3824	non-glazed, serrated poolside tiles with grate feet - inside / outside (Nominal size: 145 x 145 x 40 mm - 120+40 x 245 x 35 mm)	Qty	On the job	54,00
10.240.3827	Beveled, partly color-glazed, non-slip stairs mats (Nominal size: 119 x 244 x 8 mm - 120 x 245 x 8 mm)	Qty	On the job	10,50
10.240.3828	Beveled, partly color-glazed, non-slip stairs mat corners - (inside/outside) (Nominal size: 119 x 119 x 8 mm - 120 x 120 x 8 mm)	Qty	On the job	34,00
10.240.3833	Partly color-glazed pool railings (Nominal size: 375 x 244 x 23 mm - 375+40 x 245 x 35 mm)	Qty	On the job	42,50
10.240.3834	Partly color-glazed, grooved pool railings (Nominal size: 375 x 244 x 23 mm - 375+40 x 245 x 35 mm)	Qty	On the job	42,50

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.3836	Corners (inside/outside) of partly color-glazed pool railings (Nominal size: 375 x 375 x 23 mm - 375+40 x 245 x 35 mm)	Qty	On the job	97,50
	<b>Non-glazed Thin Porcelain Plates (TS EN 14411 - Dry-pressed ceramic tiles - Low water absorption E &lt; 0.5% group BIa)</b>			
10.240.3901	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (100 cm x 300 cm x 0.3 cm)	m <sup>2</sup>	On the job	124,00
10.240.3902	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (50 cm x 300 cm x 0.3 cm)	m <sup>2</sup>	On the job	124,00
10.240.3903	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (50 cm x 150 cm x 0.3 cm)	m <sup>2</sup>	On the job	128,00
10.240.3904	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (100 cm x 100 cm x 0.3 cm)	m <sup>2</sup>	On the job	128,00
10.240.3905	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (100 cm x 150 cm x 0.3 cm)	m <sup>2</sup>	On the job	128,00
10.240.3906	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (50 cm x 100 cm x 0.3 cm)	m <sup>2</sup>	On the job	128,00
10.240.3907	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (60 cm x 300 cm x 0.3 cm)	m <sup>2</sup>	On the job	126,00
10.240.3908	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (120 cm x 360 cm x 0.3 cm)	m <sup>2</sup>	On the job	126,00
10.240.3909	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (120 cm x 120 cm x 0.3 cm)	m <sup>2</sup>	On the job	131,00
10.240.3910	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (60 cm x 120 cm x 0.3 cm)	m <sup>2</sup>	On the job	135,00
10.240.3911	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (60 cm x 60 cm x 0.3 cm)	m <sup>2</sup>	On the job	139,00
10.240.3912	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (100 cm x 300 cm x 0.5 cm)	m <sup>2</sup>	On the job	146,00
10.240.3913	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (50 cm x 300 cm x 0.5 cm)	m <sup>2</sup>	On the job	146,00
10.240.3914	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (50 cm x 150 cm x 0.5 cm)	m <sup>2</sup>	On the job	152,00
10.240.3915	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (100 cm x 100 cm x 0.5 cm)	m <sup>2</sup>	On the job	152,00
10.240.3916	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (100 cm x 150 cm x 0.5 cm)	m <sup>2</sup>	On the job	152,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.3917	Non-glazed thin porcelain plate with matte surface and meshed back, in any color and pattern (50 cm x 100 cm x 0.5 cm)	m <sup>2</sup>	On the job	152,00
10.240.3918	Non-glazed thin porcelain plates in any color, with glossy surface and meshed back (50 cm x 300 cm x 0.5 cm)	m <sup>2</sup>	On the job	169,00
10.240.3919	Non-glazed thin porcelain plates in any color, with glossy surface and meshed back (50 cm x 150 cm x 0.5 cm)	m <sup>2</sup>	On the job	169,00
10.240.3920	Non-glazed thin porcelain plates in any color, with glossy surface and meshed back (50 cm x 100 cm x 0.5 cm)	m <sup>2</sup>	On the job	169,00
10.240.3921	Non-glazed thin porcelain plates in any color, with glossy surface and meshed back (66 cm x 300 cm x 0.5 cm)	m <sup>2</sup>	On the job	186,00
10.240.3922	Non-glazed thin porcelain plates in any color and pattern, with matte surface and non-meshed back (100 cm x 300 cm x 0.5 cm)	m <sup>2</sup>	On the job	124,00
10.240.3923	Non-glazed thin porcelain plates in any color and pattern, with matte surface and non-meshed back (50 cm x 300 cm x 0.5 cm)	m <sup>2</sup>	On the job	124,00
10.240.3924	Non-glazed thin porcelain plates in any color and pattern, with matte surface and non-meshed back (50 cm x 150 cm x 0.5 cm)	m <sup>2</sup>	On the job	128,00
10.240.3925	Non-glazed thin porcelain plates in any color and pattern, with matte surface and non-meshed back (100 cm x 100 cm x 0.5 cm)	m <sup>2</sup>	On the job	128,00
10.240.3926	Non-glazed thin porcelain plates in any color and pattern, with matte surface and non-meshed back (100 cm x 150 cm x 0.5 cm)	m <sup>2</sup>	On the job	128,00
10.240.3927	Non-glazed thin porcelain plates in any color and pattern, with matte surface and non-meshed back (50 cm x 100 cm x 0.5 cm)	m <sup>2</sup>	On the job	128,00
	<b>Glazed/non-glazed Thick Porcelain Plates (First Quality) (TS EN 14411 - Dry-pressed Ceramic Tiles - Low Water Absorption E &lt; 0.5% Group BIa)</b>			
10.240.4001	Glazed/non-glazed thick porcelain plates in any color and pattern (nominal dimensions: 40 x 40 x 2 cm)	m <sup>2</sup>	On the job	63,00
10.240.4002	Glazed/non-glazed thick porcelain plates in any color and pattern (nominal dimensions: 60 x 60 x 2 cm)	m <sup>2</sup>	On the job	69,00
10.240.4003	Glazed/non-glazed thickness porcelain plates in any color and pattern (nominal dimensions: 60 x 90 x 2 cm - 60 x 120 x 2 cm)	m <sup>2</sup>	On the job	95,00
10.240.4004	Glazed/non-glazed thickness porcelain plates in any color and pattern (nominal dimensions: 80 x 80 x 2 cm - 90 x 90 x 2 cm)	m <sup>2</sup>	On the job	90,00
10.240.4032	Glazed/non-glazed thickness porcelain plates in any color and pattern (nominal dimensions: 60 x 60 x 3 cm)	m <sup>2</sup>	On the job	100,00
10.240.4034	Glazed/non-glazed thickness porcelain plates in any color and pattern (nominal dimensions: 80 x 80 x 3 cm - 90 x 90 x 3 cm)	m <sup>2</sup>	On the job	130,00
	Note: Extra TRY 6 shall be charged if glazed/non-glazed thick porcelain plates are rectified.			

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>VITRIFIED TILES (TS 202) (Maximum 20% water absorption (indoors), 15 N/mm<sup>2</sup> bending strength)</b>			
10.240.4501	Plain vitrified tiles, any color (20 cm x 20 cm)	m <sup>2</sup>	On the job	37,00
10.240.4502	Plain vitrified curbs, any color (20 cm x 20 cm)	m <sup>2</sup>	On the job	39,00
10.240.4503	Plain, vitrified corner, any color (10 cm x 10 cm)	m <sup>2</sup>	On the job	41,00
10.240.4504	Plain, vitrified, embossed tiles, any color (20 cm x 20 cm)	m <sup>2</sup>	On the job	39,00
10.240.4505	Plain, vitrified, embossed curbs, any color (20 cm x 20 cm)	m <sup>2</sup>	On the job	40,00
10.240.4506	Plain, vitrified, embossed corner, any color (10 cm x 10 cm)	m <sup>2</sup>	On the job	41,00
10.240.4507	Patterned, vitrified tiles, any color (20 cm x 20 cm)	m <sup>2</sup>	On the job	45,00
10.240.4508	Patterned, vitrified curbs, any color (20 cm x 20 cm)	m <sup>2</sup>	On the job	47,00
10.240.4509	Patterned, vitrified corner, any color (10 cm x 10 cm)	m <sup>2</sup>	On the job	51,00
10.240.4510	Patterned, vitrified, embossed tiles, any color (20 cm x 20 cm)	m <sup>2</sup>	On the job	45,00
10.240.4511	Patterned, vitrified, embossed curbs, any color (20 cm x 20 cm)	m <sup>2</sup>	On the job	48,00
10.240.4512	Patterned, vitrified, embossed corner, any color (10 cm x 10 cm)	m <sup>2</sup>	On the job	52,00
	<b>TERRAZZO TILE SLABS (INDOOR) (TS 213-1 EN 13748-1) (Single layer - Honed or Polished) To be manufactured as single layer with crushed marble aggregates (0-15 mm) using vacuum-press-vibration technique with cement binder. None of the vertical abrasion results in abrasion tests shall exceed 25 mm. None of the overall water absorption test results shall exceed 8% by mass. (Any form and color)</b>			
	<b>Terrazzo Tile Slabs (Artificial Marble) with Marble Aggregate</b>			
10.240.4601	Breaking Load Conditions (Class 1) Surface area ≤ 1100 cm <sup>2</sup> (Should be laid on full grout bedding)	m <sup>2</sup>	On the job	19,00
10.240.4602	Breaking Load Conditions (Class 1) Surface area > 1100 cm <sup>2</sup> (Should be laid on full grout bedding)	m <sup>2</sup>	On the job	23,00
10.240.4603	Breaking Load conditions (Class 2), Surface area ≤ 1100 cm <sup>2</sup> , and breaking strength > 2.5 kN	m <sup>2</sup>	On the job	21,00
10.240.4604	Breaking load conditions (Class 3), Sized 1100 < Surface area < 1800 cm <sup>2</sup> , and breaking strength > 3 kN	m <sup>2</sup>	On the job	23,00
10.240.4605	Breaking Load conditions (Class 3), Surface area ≥ 1800 cm <sup>2</sup> , and breaking strength > 3 kN	m <sup>2</sup>	On the job	34,00
	<b>Terrazzo Tile Slabs (Artificial Marble) with Granite Aggregate</b>			
10.240.4621	Breaking Load Conditions (Class 1) Surface area ≤ 1100 cm <sup>2</sup> (Should be laid on full grout bedding)	m <sup>2</sup>	On the job	32,00
10.240.4622	Breaking Load Conditions (Class 1) Surface area > 1100 cm <sup>2</sup> (Should be laid on full grout bedding)	m <sup>2</sup>	On the job	34,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.4623	Breaking Load conditions (Class 2), Surface area $\leq$ 1100 cm <sup>2</sup> , and breaking strength > 2.5 kN	m <sup>2</sup>	On the job	33,00
10.240.4624	Breaking load conditions (Class 3), Sized 1100 < Surface area < 1800 cm <sup>2</sup> , and breaking strength > 3 kN	m <sup>2</sup>	On the job	35,00
10.240.4625	Breaking Load conditions (Class 3), Surface area $\geq$ 1800 cm <sup>2</sup> , and breaking strength > 3 kN	m <sup>2</sup>	On the job	38,00
	<b>Terrazzo Tile Slabs (Artificial Marble) with Quartz/Silica Aggregate (min. 20% quartz/silica + 80% marble aggregate)</b>			
10.240.4641	Breaking Load Conditions (Class 1) Surface area $\leq$ 1100 cm <sup>2</sup> (Should be laid on full grout bedding)	m <sup>2</sup>	On the job	32,00
10.240.4642	Breaking Load Conditions (Class 1) Surface area > 1100 cm <sup>2</sup> (Should be laid on full grout bedding)	m <sup>2</sup>	On the job	34,00
10.240.4643	Breaking Load conditions (Class 2), Surface area $\leq$ 1100 cm <sup>2</sup> , and breaking strength > 2.5 kN	m <sup>2</sup>	On the job	33,00
10.240.4644	Breaking load conditions (Class 3), Sized 1100 < Surface area < 1800 cm <sup>2</sup> , and breaking strength > 3 kN	m <sup>2</sup>	On the job	35,00
10.240.4645	Breaking Load Conditions (Class 3), Surface area $\geq$ 1800 cm <sup>2</sup> , and breaking strength > 3 kN	m <sup>2</sup>	On the job	38,00
	<b>Terrazzo Tile Slabs (Artificial Marble) with Quartz/Silica Aggregate</b>			
10.240.4661	Breaking Load Conditions (Class 1) Surface area $\leq$ 1100 cm <sup>2</sup> (Should be laid on full grout bedding)	m <sup>2</sup>	On the job	89,00
10.240.4662	Breaking Load Conditions (Class 1) Surface area > 1100 cm <sup>2</sup> (Should be laid on full grout bedding)	m <sup>2</sup>	On the job	94,00
10.240.4663	Breaking Load conditions (Class 2), Surface area $\leq$ 1100 cm <sup>2</sup> , and breaking strength > 2.5 kN	m <sup>2</sup>	On the job	89,00
10.240.4664	Breaking load conditions (Class 3), Sized 1100 < Surface area < 1800 cm <sup>2</sup> , and breaking strength > 3 kN	m <sup>2</sup>	On the job	101,00
10.240.4665	Breaking Load Conditions (Class 3), Surface area $\geq$ 1800 cm <sup>2</sup> , and breaking strength > 3 kN	m <sup>2</sup>	On the job	112,00
	<b>TERRAZZO TILE SLABS (OUTDOOR) (TS 213-2 EN 13748-2)</b> <b>Double Layer</b> In two layers, namely top and bottom layers. For the sizes from 0 to 15 mm, it shall be manufactured in two layers with marble, granite, basalt, andesite, quartz-silica or mosaic aggregates, using press-vibration-washing-brushing-sanding technique with cement binder. (All colors and patterns) <b>Single Layer</b> A single layer. For the sizes from 0 to 15 mm, it shall be manufactured as a single layer with marble, granite, basalt, andesite, quartz-silica or mosaic aggregates, using vacuum-press-vibration-washing-brushing-sanding technique with cement binder. None of the overall water absorption test results shall exceed 8% by mass. (All colors and patterns) If such materials are used as tactile walking surface indicators (TWSI), the surface and surface relief (emboss) texture shall fulfill the conditions defined in the standard TS ISO 23599 depending on the use of the surface (warning surface or guiding surface).			
	<b>Terrazzo Tile Slabs (Cement tiles) (Manufactured by pressing) (grooved/plain, colored/colorless)</b>			

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.4801	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	17,00
10.240.4802	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	27,00
10.240.4803	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	20,00
10.240.4804	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	29,00
10.240.4805	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	22,00
10.240.4806	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	31,00
	<b>Terrazzo Tile Slabs (with Marble Aggregate) (with any surface treatment)</b>			
10.240.4821	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	21,00
10.240.4822	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	28,00
10.240.4823	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	25,00
10.240.4824	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	31,00
10.240.4825	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	25,00
10.240.4826	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	33,00
	<b>Terrazzo Tile Slabs (with Granite Aggregate) (with any surface treatment)</b>			
10.240.4841	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	28,00
10.240.4842	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	37,00
10.240.4843	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	31,00
10.240.4844	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	39,00
10.240.4845	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	32,00



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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.4846	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	43,00
	<b>Terrazzo Tile Slabs (with Andesite Aggregate) (with any surface treatment)</b>			
10.240.4861	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	22,00
10.240.4862	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	37,00
10.240.4863	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	25,00
10.240.4864	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	39,00
10.240.4865	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	28,00
10.240.4866	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	43,00
	<b>Terrazzo Tile Slabs (with Basalt Aggregate) (with any surface treatment)</b>			
10.240.4881	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	22,00
10.240.4882	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	37,00
10.240.4883	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	25,00
10.240.4884	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	39,00
10.240.4885	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	28,00
10.240.4886	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	44,00
	<b>Terrazzo Tile Slabs (with Quartz/Silica Aggregate) (with any surface treatment)</b>			
10.240.4901	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	43,00
10.240.4902	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	48,00
10.240.4903	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	45,00

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.4904	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	51,00
10.240.4905	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	49,00
10.240.4906	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	54,00
	<b>Terrazzo Tile Slabs (with wash concrete surface treatment)</b>			
10.240.4921	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	28,00
10.240.4922	Breaking Strength Conditions (Class 1) Minimum 2.8 MPa bending strength, Abrasion strength class (2-G), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	32,00
10.240.4923	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	31,00
10.240.4924	Breaking Strength Conditions (Class 2) Minimum 3.2 MPa bending strength, Abrasion strength class (3-H), 1600 < Surface Area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	35,00
10.240.4925	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup>	m <sup>2</sup>	On the job	32,00
10.240.4926	Breaking Strength Conditions (Class 3) Minimum 4.0 MPa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup>	m <sup>2</sup>	On the job	37,00
	<b>Terrazzo Baseboard</b> <b>6 to 10-cm high with 0 to 15-mm aggregate (marble, granite, basalt, andesite, quartz and silica aggregate) in a single layer manufactured with vacuum-press-vibration technique, wiped and beveled.</b> <b>None of the vertical abrasion results in abrasion tests shall exceed 25 mm.</b> <b>None of the overall water absorption test results shall exceed 8% by mass.</b> <b>(Any color and thickness)</b>			
10.240.5200	Terrazzo baseboard, 6 to 10 cm height, any thickness (with any surface treatment)	m	On the job	6,70
	<b>CONCRETE-REINFORCED, READY-MADE STAIR STEPS (TS EN 14843, TS 13631)</b>			
	<b>Flat steps (step and riser as two pieces, with any surface treatment)</b>			
10.240.5201	Stair steps with marble aggregate	m <sup>2</sup>	On the job	83,00
10.240.5202	Stair steps with granite aggregate	m <sup>2</sup>	On the job	89,00
10.240.5203	Stair steps with andesite and basalt aggregate	m <sup>2</sup>	On the job	89,00
10.240.5204	Stair steps with quartz/silica + marble aggregate	m <sup>2</sup>	On the job	103,00
10.240.5205	Stair steps with quartz/silica aggregate	m <sup>2</sup>	On the job	153,00
	<b>L-shaped miter steps (one piece), with any surface treatment</b>			
10.240.5221	L-shaped stair steps with marble aggregate	m <sup>2</sup>	On the job	105,00
10.240.5222	L-shaped stair steps with granite aggregate	m <sup>2</sup>	On the job	114,00
10.240.5223	L-shaped stair steps with andesite and basalt aggregate	m <sup>2</sup>	On the job	114,00

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.5224	L-shaped stair steps with quartz/silica + marble aggregate	m <sup>2</sup>	On the job	121,00
10.240.5225	L-shaped stair steps with quartz/silica aggregate	m <sup>2</sup>	On the job	184,00
	<b>STAIR SKIRT BOARDS AND NOTCH BOARDS (TS EN 14843)</b>			
10.240.5241	Stair skirt boards (L) (with any surface treatment)	m	On the job	10,80
10.240.5242	Stair skirt boards (L) (with any surface treatment)	m	On the job	12,10
	<b>CONCRETE-REINFORCED, READY-MADE WINDOWSILLS, PARAPETS AND COPING TILES (TS 4060, TS 4063)</b>			
	<b>Windowsills, parapets and coping tiles (plain) (with any surface treatment)</b>			
10.240.5301	Marble aggregate (plain) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	105,00
10.240.5302	Granite aggregate (plain) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	114,00
10.240.5303	Quartz/silica + marble aggregate (plain) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	128,00
10.240.5304	Quartz/silica aggregate (plain) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	153,00
	<b>Windowsills, parapets and coping tiles (L) (with any surface treatment)</b>			
10.240.5321	Marble aggregate (L) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	112,00
10.240.5322	Granite aggregate (L) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	121,00
10.240.5323	Quartz/silica + marble aggregate (L) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	140,00
10.240.5324	Quartz/silica aggregate (L) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	153,00
	<b>Windowsills, parapets and coping tiles (U) (with any surface treatment)</b>			
10.240.5341	Marble aggregate (U) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	127,00
10.240.5342	Granite aggregate (U) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	140,00
10.240.5343	Quartz/silica + marble aggregate (U) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	152,00
10.240.5344	Quartz/silica aggregate (U) windowsills, parapets or coping tiles	m <sup>2</sup>	On the job	172,00
	<b>ANTI-SLIP STAIR STRIPS</b>			
10.240.5401	Production of factory-made anti-slip stair strips made of a single row of rubber strip (0.7-cm indents shall be made 3 or 4 cm inside the edge of the step, and a rubber strip shall be placed in the indent)	m	On the job	15,00
10.240.5402	Production of factory-made anti-slip stair strips made of two rows of rubber strip (0.7-cm indents shall be made at 3-cm intervals 3 or 4 cm inside the edge of the step, and a rubber strip shall be placed in the indent)	m	On the job	24,00
10.240.5403	Production of factory-made anti-slip stair strips by sandblasting (3-4 cm inside the edge of the step shall be sandblasted in a width of 4 to 6 cm after it is polished)	m	On the job	9,50
10.240.5404	Production of factory-made anti-slip stair strips using Aska strips (After polishing, 6 to 12 rows of 0.3-cm-deep and 0.3-cm-wide grooves shall be made by blades 3 or 4 cm inside the steps)	m	On the job	9,50

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.5405	Factory-production of anti-slip strips for stairs in the form of corner cords in single lines (4x2 cm of rubber shall be placed on the edge of the steps at the production stage and polished with the step)	m	On the job	33,00
10.240.5406	Factory-production of anti-slip stair strips in the form of resin tapes (After the polishing is done, a 3 to 5-cm-wide and 0.5-cm-deep groove shall be made 3 to 4 cm from the edge of the step and filled with resin-based binder and silicon.)	m	On the job	27,00
10.240.5411	4 to 5-cm-wide anti-slip strips for the steps	m	On the job	2,40
10.240.5412	2.5 to 3-cm-wide anti-slip strips for the steps	m	On the job	1,20
	<b>GYPSUM BUILDING PLASTERS (TS EN 13279-1, 2)</b>			
10.240.5501	Single layer of (rough and fine) plaster mortar with perlite (dry-mixed, bagged)	Tons	On the job	155,00
10.240.5502	Machine-applied plaster (Pre-dry-mixed plaster-based)	Kg	On the job	0,28
10.240.5503	Fine Application Plaster (Satin plaster)	Kg	On the job	0,33
10.240.5504	Building Plaster for fiber-reinforced components (Molding Plaster)	Kg	On the job	0,16
10.240.5505	Masonry Plaster	Kg	On the job	0,33
	<b>Plasters used for installing gypsum boards</b>			
10.240.5511	Joint filling plaster (TS EN 13963)	Kg	On the job	0,33
10.240.5512	Adhesion plaster (TS EN 14496)	Kg	On the job	0,30
	<b>GYPSUM BOARDS (TS EN 520 + A1)</b>			
10.240.5521	6 mm thickness	m <sup>2</sup>	On the job	7,50
10.240.5522	9.5 mm thickness	m <sup>2</sup>	On the job	3,80
10.240.5523	12.5 mm thickness	m <sup>2</sup>	On the job	3,85
10.240.5524	15 mm thickness	m <sup>2</sup>	On the job	4,90
10.240.5525	18 mm thickness	m <sup>2</sup>	On the job	8,20
10.240.5531	9.5 mm thickness (water-resistant)	m <sup>2</sup>	On the job	5,50
10.240.5532	12.5 mm thickness (water-resistant)	m <sup>2</sup>	On the job	5,70
10.240.5533	15 mm thickness (water-resistant)	m <sup>2</sup>	On the job	7,40
10.240.5534	18 mm thickness (water-resistant)	m <sup>2</sup>	On the job	10,90
10.240.5535	9.5 mm thickness (fire-resistant)	m <sup>2</sup>	On the job	5,50
10.240.5536	12.5 mm thickness (fire-resistant)	m <sup>2</sup>	On the job	5,90
10.240.5537	15 mm thickness (fire-resistant)	m <sup>2</sup>	On the job	7,40
10.240.5538	18 mm thickness (fire-resistant)	m <sup>2</sup>	On the job	10,70
10.240.5539	12.5 mm thickness (water and fire proof)	m <sup>2</sup>	On the job	7,40
10.240.5540	15 mm thickness (water and fire proof)	m <sup>2</sup>	On the job	8,70
10.240.5541	18 mm thickness (water and fire proof)	m <sup>2</sup>	On the job	13,20

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.5542	12.5 mm thickness (increased surface hardness and impact resistance)	m <sup>2</sup>	On the job	4,50
10.240.5543	15 mm thickness (increased surface hardness and impact resistance)	m <sup>2</sup>	On the job	5,20
10.240.5544	12.5 mm thickness (FH2-IR) (increased surface hardness and impact resistance, fire- and water-resistant)	m <sup>2</sup>	On the job	8,30
10.240.5545	15 mm thickness (FH2-IR) (increased surface hardness and impact resistance, fire- and water-resistant)	m <sup>2</sup>	On the job	9,60
10.240.5546	12.5 mm thickness (D-FH1-IR) (increased surface hardness and impact resistance, fire- and water-resistant)	m <sup>2</sup>	On the job	9,20
10.240.5547	15 mm thickness (D-FH1-IR) (increased surface hardness and impact resistance, fire- and water-resistant)	m <sup>2</sup>	On the job	10,60
10.240.5548	12.5 mm thickness, resistant to water, moisture and mold formation (H1)	m <sup>2</sup>	On the job	7,10
10.240.5549	15 mm thickness, resistant to water, moisture and mold formation (H1)	m <sup>2</sup>	On the job	8,10
10.240.5550	12.5 mm thickness, resistant to water, fire, moisture and mold formation (FH1)	m <sup>2</sup>	On the job	8,50
10.240.5551	15 mm thickness, resistant to water, fire, moisture and mold formation (FH1)	m <sup>2</sup>	On the job	9,50
	<b>Gypsum Boards (TS EN 14190)</b>			
10.240.5561	One side coated with glass tissue, irregularly perforated, 12.5 mm thick	m <sup>2</sup>	On the job	32,70
10.240.5562	One side coated with glass tissue, regularly perforated, 12.5 mm thick	m <sup>2</sup>	On the job	22,80
10.240.5563	One side coated with glass tissue, perforated, curved, 12.5 mm thick	m <sup>2</sup>	On the job	19,60
10.240.5564	Perforated suspended ceiling plate with one side covered with glass tissue (60 x 60 x 9.5 mm)	m <sup>2</sup>	On the job	14,70
10.240.5565	Perforated suspended ceiling plate with one side covered with glass tissue (60 x 120 x 9.5 mm)	m <sup>2</sup>	On the job	14,70
10.240.5566	Suspended ceiling plate with PVC laminated front side and tin foil-covered back side (60 x 60 x 8 mm size)	m <sup>2</sup>	On the job	9,00
	<b>Wall and floor tiles made of gypsum mortar and cellulose</b>			
10.240.5571	10 mm thickness	m <sup>2</sup>	On the job	13,90
10.240.5572	12.5 mm thickness	m <sup>2</sup>	On the job	15,80
10.240.5573	15 mm thickness	m <sup>2</sup>	On the job	18,40
	<b>PVC-BASED FLOORING</b>			
	<b>A) Elastic Flooring, fire class Bfl s1, Anti-bacterial TS EN ISO 10581, TS EN ISO 24343-1, TS EN ISO 24344, EN 684, TS EN ISO 10874, TS EN 660-2</b>			
	<b>2- Flexible, homogeneous, heterogeneous, 2.0-mm thick</b>			
10.240.6001	Homogeneous (Group: P) (Abrasion - thickness loss: AL ≤ 0.15 mm or Volume loss Fv ≤ 4.0 mm <sup>3</sup> ) (Permanent submersion ≤ 0.10 mm)	m <sup>2</sup>	On the job	42,00

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.6002	Heterogeneous (Group: T) Top layer pure PVC with min. 0.55 mm thickness (Abrasion - thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm <sup>3</sup> ) (Permanent submersion ≤ 0.10 mm)	m <sup>2</sup>	On the job	37,00
10.240.6003	Homogeneous (Group: T) (Abrasion - thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm <sup>3</sup> ) (Permanent submersion ≤ 0.10 mm)	m <sup>2</sup>	On the job	53,00
10.240.6010	Heterogeneous (Group T) Pure PVC with top abrasion layer thickness min. 0.70 mm (Abrasion -thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm <sup>3</sup> ) (Permanent submersion ≤ 0.10 mm)	m <sup>2</sup>	On the job	41,00
	<b>4- Flexible, homogeneous, 2.0-mm thick, conductor tile. Electrical resistance: 10<sup>4</sup> ohms - 10<sup>6</sup> ohms.</b>	m <sup>2</sup>	On the job	
10.240.6011	Group: T (Abrasion - thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm <sup>3</sup> ) (Permanent submersion ≤ 0.10 mm)	m <sup>2</sup>	On the job	63,00
10.240.6012	Group: P (Abrasion - thickness loss: AL ≤ 0.15 mm or Volume loss Fv ≤ 4.0 mm <sup>3</sup> ) (Permanent submersion ≤ 0.10 mm)	m <sup>2</sup>	On the job	53,00
	<b>5- Flexible, heterogeneous, granule surface, non-slip, 2.0-mm thick (Group T) (Abrasion - thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm<sup>3</sup>) (Permanent submersion ≤ 0.10 mm)</b>			
10.240.6021	Wet areas Pure PVC with top abrasion layer thickness min. 0.55 mm	m <sup>2</sup>	On the job	42,00
10.240.6022	Inclined surfaces (ramps) Pure PVC with top abrasion layer thickness min. 0.70 mm	m <sup>2</sup>	On the job	52,00
	<b>B) Elastic Flooring (with foam backing), fire class Cfl s1, Anti-bacterial TS EN 651, TS EN ISO 24340, TS EN ISO 24343-1, TS EN 684</b>			
10.240.6031	Flexible, heterogeneous, min. 3.0-mm thick, top layer thickness min. 0.65 mm (Abrasion - thickness loss: AL ≤ 0.08 mm or Volume loss Fv ≤ 2.0 mm <sup>3</sup> ) (Permanent submersion ≤ 0.20 mm) (Sound insulation: min. 15 Db) Group: T	m <sup>2</sup>	On the job	51,00
	<b>C- PVC-based flooring chemicals and accessories</b>			
10.240.6051	PVC-based flexible baseboard	m	On the job	3,80
10.240.6052	PVC-based, self-rotating, capped baseboard	m	On the job	6,30
10.240.6053	Welding cord	m	On the job	0,80
10.240.6054	PVC-based transition profile (4-cm wide, min. 2-mm wall thickness)	m	On the job	4,80
10.240.6055	Aluminum-based transition profile (4-cm wide)	m	On the job	9,50
10.240.6056	PVC-based stair nosing	m	On the job	6,80
10.240.6057	PVC-based sideboard cushion	m	On the job	3,20
10.240.6058	Acrylic-based PVC Adhesive	Kg	On the job	9,50
10.240.6059	Acrylic-based Carbon-Reinforced Conductor PVC Adhesive	Kg	On the job	22,00

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<p>NOTE:</p> <p>1- The bottom layer of the heterogeneous material shall be non-absorbent, non-breakable, flexible, made of weldable PVC, etc. mixture for its entire thickness (1.5 mm or 2.0 mm); and shall not be foam, swollen or expanded foam, cork, etc. Heterogeneous material with 1.5 mm thickness shall be min. 2100 gr/m<sup>2</sup>, and heterogeneous material with 2 mm thickness shall be min. 2800 gr/m<sup>2</sup>. In addition, a certificate of compliance with the EN 649 standard issued by an internationally accredited organization shall be required. The condition that fire class as well as volume test and abrasion thickness loss test results are published by the manufacturers on their international websites shall be sought. (This definition applies to the items no. 10.240.6001...6022) Samples shall be taken with the administration before the materials (item no. (10.240.6001...6031) under the aforementioned titles 10.240.6001...6031 are manufactured. The samples shall be tested by an accredited laboratory. The approved test results shall be annexed to the payment receipt.</p> <p>2- 10.240.6001 - Administrator and personnel rooms, guest houses, day care centers, infirmaries, etc. of public institutions and organizations.            10.240.6002 - Administrator and personnel rooms, guest houses, day care centers etc. of public institutions and organizations (except hospitals).            10.240.6003/6010 - All corridors of public service buildings, hearing rooms of court houses, fitness and multi-purpose rooms, hospital intensive care units, patient rooms (except operating rooms and x-ray rooms), outpatient clinics, rehabilitation centers, community healthcare centers, cafeterias, classrooms, dormitories, libraries, laboratories, and any area where medical stretchers and trolleys may be used, etc.            10.240.6011/6012 - Hospital Operating rooms, x-ray rooms, IT main switch rooms, production and storage areas of defense industry, electronics production and repair areas, etc.            10.240.6021/6022 - Wet surfaces and inclined surfaces (ramps), etc.            10.240.6031 - Meeting and conference halls, and reading rooms of libraries, etc.</p>			
	<b>Indoor coating materials for sports halls, fire class Cfl s1 (TS EN 14904)</b>			
10.240.6071	EN 14808 25 ≤ Shock Absorption < 35, EN 14809 Vertical Deformation ≤ 2 mm, EN 13036-4 80≤= Friction Coefficient ≤110, EN 12235 Ball Bounce min. 90%, EN 1516 Penetration Resistance max. 0.5 mm, TS 8103 EN ISO 5470-1 Abrasion Resistance: max. 1000 mg	m <sup>2</sup>	On the job	110,00
10.240.6072	EN 14808 35 ≤ Shock Absorption < 45, EN 14809 Vertical Deformation ≤ 3 mm, EN 13036-4 80≤= Friction Coefficient ≤110, EN 12235 Ball Bounce min. 90%, EN 1516 Penetration Resistance max. 0.5 mm, TS 8103 EN ISO 5470-1 Abrasion Resistance: max. 1000 mg	m <sup>2</sup>	On the job	143,00
10.240.6073	EN 14808 45 ≤ Shock Absorption, EN 14809 Vertical Deformation ≤ 3.5 mm, EN 13036-4 80 ≤= Friction Coefficient ≤ 110, EN 12235 Ball Bounce min. 90%, EN 1516 Penetration Resistance max. 0.5 mm, TS 8130 ISO 6670, TS EN ISO 5470-1 Abrasion Resistance: max. 1000 mg	m <sup>2</sup>	On the job	185,00
	Note: A document issued by an internationally accredited organization and indicating that the said materials were manufactured per TS EN 14904 and TÜRKAK-approved compliance test results shall be requested.			
	<b>Linoleum Flooring (TS EN ISO 24011) (Fire Class Cfl s1)</b>			
10.240.6101	2 mm thickness (Class 32-41 - TS EN ISO 10874) (Permanent Submersion =<0.10 mm - TS EN ISO 24343-1)	m <sup>2</sup>	On the job	58,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.6102	2.5 mm thickness (Class 34-43 - TS EN ISO 10874) (Permanent Submersion =<0.10 mm - TS EN ISO 24343-1)	m <sup>2</sup>	On the job	66,00
10.240.6103	3.2 mm thickness (Class 34-43 - TS EN ISO 10874) (Permanent Submersion =<0.10 mm - TS EN ISO 24343-1)	m <sup>2</sup>	On the job	87,00
10.240.6104	Linoleum welding cord	m	On the job	0,80
10.240.6105	Acrylic-based linoleum adhesive	Kg	On the job	9,40
	<b>Lay-on ceiling system (Min. 20-micron thickness coat of electrostatic polyester powder paint) (TS EN 13964)</b>			
10.240.6501	0.70-mm thickness, 60x60 cm, EN AW 3000 series unperforated aluminum plate	m <sup>2</sup>	On the job	40,00
10.240.6502	0.70-mm thickness, 60x60 cm, EN AW 3000 series perforated aluminum plate	m <sup>2</sup>	On the job	42,00
10.240.6503	0.70-mm thickness, 60x60 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric	m <sup>2</sup>	On the job	48,00
10.240.6504	0.50-mm thickness, 30x30-cm, EN AW 3000 series unperforated aluminum plate	m <sup>2</sup>	On the job	44,00
10.240.6505	0.70-mm thickness, 30x30-cm, EN AW 3000 series unperforated aluminum plate	m <sup>2</sup>	On the job	46,00
10.240.6506	0.50-mm thickness, 30x30-cm, EN AW 3000 series perforated aluminum plate	m <sup>2</sup>	On the job	45,00
10.240.6507	0.70-mm thickness, 30x30-cm, EN AW 3000 series perforated aluminum plate	m <sup>2</sup>	On the job	46,00
10.240.6508	0.50-mm thickness, 30x30 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric	m <sup>2</sup>	On the job	46,00
10.240.6509	0.70-mm thickness, 30x30 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric	m <sup>2</sup>	On the job	48,00
10.240.6510	Unperforated plate sized 60 x 60 with 0.50-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	37,00
10.240.6511	Perforated plate sized 60 x 60 with 0.50-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	39,00
10.240.6512	Perforated plate sized 60 x 60 with 0.50-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric	m <sup>2</sup>	On the job	40,00
10.240.6513	Unperforated plate sized 60 x 120 with 0.60-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	42,00
10.240.6514	Perforated plate sized 60 x 120 with 0.60-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	44,00
10.240.6515	Perforated plate sized 60 x 120 with 0.60-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric	m <sup>2</sup>	On the job	50,00
	<b>Lay-in ceiling system (Min. 20-micron thickness coat of electrostatic polyester powder paint) (TS EN 13964)</b>			
10.240.6551	0.70-mm thickness, 60x60 cm, EN AW 3000 series unperforated aluminum plate	m <sup>2</sup>	On the job	40,00



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.6552	0.70-mm thickness, 60x60 cm, EN AW 3000 series perforated aluminum plate	m <sup>2</sup>	On the job	42,00
10.240.6553	0.70-mm thickness, 60x60 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric	m <sup>2</sup>	On the job	46,00
10.240.6554	0.50-mm thickness, 30x30-cm, EN AW 3000 series unperforated aluminum plate	m <sup>2</sup>	On the job	44,00
10.240.6555	0.70-mm thickness, 30x30-cm, EN AW 3000 series unperforated aluminum plate	m <sup>2</sup>	On the job	45,00
10.240.6556	0.50-mm thickness, 30x30-cm, EN AW 3000 series perforated aluminum plate	m <sup>2</sup>	On the job	44,00
10.240.6557	0.70-mm thickness, 30x30-cm, EN AW 3000 series perforated aluminum plate	m <sup>2</sup>	On the job	46,00
10.240.6558	0.50-mm thickness, 30x30 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric	m <sup>2</sup>	On the job	48,00
10.240.6559	0.70-mm thickness, 30x30 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric	m <sup>2</sup>	On the job	48,00
10.240.6560	Unperforated plate sized 60 x 60 with 0.50-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	33,00
10.240.6561	Perforated plate sized 60 x 60 with 0.50-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	36,00
10.240.6562	Perforated plate sized 60 x 60 cm with 0.50-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric	m <sup>2</sup>	On the job	40,00
10.240.6563	Unperforated plate sized 60 x 120 with 0.60-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	37,00
10.240.6564	Perforated plate sized 60 x 120 with 0.60-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	40,00
10.240.6565	Perforated plate sized 60x120 with 0.60-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric	m <sup>2</sup>	On the job	44,00
	<b>CLIP-IN CEILING SYSTEM (Min. 20-micron thickness coat of electrostatic polyester powder paint) (TS EN 13964)</b>			
10.240.6601	0.70-mm thickness, 60x60 cm, EN AW 3000 series unperforated aluminum plate	m <sup>2</sup>	On the job	42,00
10.240.6602	0.70-mm thickness, 60x60 cm, EN AW 3000 series perforated aluminum plate	m <sup>2</sup>	On the job	46,00
10.240.6603	0.70-mm thickness, 60x60 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric	m <sup>2</sup>	On the job	52,00
10.240.6604	0.50-mm thickness, 30x30-cm, EN AW 3000 series unperforated aluminum plate	m <sup>2</sup>	On the job	44,00
10.240.6605	0.70-mm thickness, 30x30-cm, EN AW 3000 series unperforated aluminum plate	m <sup>2</sup>	On the job	50,00
10.240.6606	0.50-mm thickness, 30x30-cm, EN AW 3000 series perforated aluminum plate	m <sup>2</sup>	On the job	45,00
10.240.6607	0.70-mm thickness, 30x30-cm, EN AW 3000 series perforated aluminum plate	m <sup>2</sup>	On the job	52,00
10.240.6608	0.50-mm thickness, 30x30 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric	m <sup>2</sup>	On the job	46,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.6609	0.70-mm thickness, 30x30 cm, EN AW 3000 series perforated aluminum plate with backside covered with acoustic fabric	m <sup>2</sup>	On the job	53,00
10.240.6610	Unperforated plate sized 60 x 60 with 0.50-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	38,00
10.240.6611	Perforated plate sized 60 x 60 with 0.50-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	39,00
10.240.6612	Perforated plate sized 60 x 60 cm with 0.50-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric	m <sup>2</sup>	On the job	43,00
10.240.6613	Unperforated plate sized 30 x 120 with 0.50-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	41,00
10.240.6614	Perforated plate sized 30 x 120 with 0.50-mm thickness, made of hot-dip galvanized sheet metal	m <sup>2</sup>	On the job	47,00
10.240.6615	Perforated plate sized 30 x 120 with 0.50-mm thickness, made of hot-dip galvanized sheet metal, with the back surface covered with fabric	m <sup>2</sup>	On the job	47,00
	<b>ALUMINUM LAMELLAR SUSPENDED CEILING (TS EN 13964) (EN AW 3000 series) (Aluminum fins factory-coated by a roller system with the internal surfaces coated with min. 5 microns of epoxy primer and min. 20 microns of polyester final layer, and the surface facing ceiling coated with 5 microns of epoxy primer)</b>			
10.240.6651	85-mm-wide, 0.70-mm thickness	m <sup>2</sup>	On the job	35,00
10.240.6652	85-mm-wide, 0.50-mm thickness (self-jointed)	m <sup>2</sup>	On the job	43,00
10.240.6653	85-mm-wide, 0.70-mm thickness (perforated)	m <sup>2</sup>	On the job	43,00
10.240.6654	100-mm-wide, 0.70-mm thickness	m <sup>2</sup>	On the job	35,00
10.240.6655	100-mm-wide, 0.50-mm thickness (self-jointed)	m <sup>2</sup>	On the job	41,00
10.240.6656	100-mm-wide, 0.70-mm thickness (perforated)	m <sup>2</sup>	On the job	43,00
10.240.6657	250-mm-wide, 0.70-mm thickness	m <sup>2</sup>	On the job	38,00
10.240.6658	100-mm-wide, 50-mm-high, 0.70-mm thickness, V-shaped	m <sup>2</sup>	On the job	51,00
10.240.6659	15-mm-wide, 0.50-mm thickness joint strip	m	On the job	3,80
10.240.6660	20-mm-wide, 0.50-mm thickness joint strip	m	On the job	3,80
10.240.6661	Edge U-profile (0.50 mm thickness)	m	On the job	3,05
	<b>PROFILE SYSTEMS USED FOR INTERNALLY-APPLIED INSULATION (TS E 13964)</b>			
10.240.6681	0.50-mm thickness, min. 20-mm-wide, U-profile hot-dip galvanized sheet metal	m	On the job	1,50
10.240.6682	0.60-mm thickness, min. 48-mm-wide, C-profile hot-dip galvanized sheet metal	m	On the job	2,65
10.240.6683	Fixing tools (75-mm or 100-mm-long galvanized sheet metal fixing pendant and galvanized sheet metal adjusting ring)	Qty	On the job	1,85

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.6684	1-mm thickness, min. 48-mm-wide galvanized sheet metal window retainer	Qty	On the job	1,00
	<b>ROCK WOOL SUSPENDED CEILING PANELS</b> (Density: min. 120 kg/m <sup>3</sup> ) (Rock wool rate: 50%) (Fire class min. A2 S1 D0) (TS EN 13964)			
10.240.6701	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.55 as per TS EN ISO 11654, 12-13 mm thickness, and resistance to min. 70% relative humidity	m <sup>2</sup>	On the job	14,00
10.240.6702	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.55 as per TS EN ISO 11654, 15 mm thickness, and resistance to min. 70% relative humidity	m <sup>2</sup>	On the job	15,50
10.240.6703	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.55 as per TS EN ISO 11654, 15 mm thickness, and resistance to min. 85% relative humidity	m <sup>2</sup>	On the job	20,00
10.240.6704	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.70 as per TS EN ISO 11654, 15 mm thickness, and resistance to min. 85% relative humidity	m <sup>2</sup>	On the job	23,50
10.240.6705	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.85 as per TS EN ISO 11654, 15 mm thickness, and resistance to min. 85% relative humidity	m <sup>2</sup>	On the job	27,00
10.240.6706	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.55 as per TS EN ISO 11654, 15 mm thickness, and resistance to min. 100% relative humidity	m <sup>2</sup>	On the job	27,00
10.240.6707	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.70 as per TS EN ISO 11654, 15 mm thickness, and resistance to min. 100% relative humidity	m <sup>2</sup>	On the job	31,50
10.240.6708	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.85 as per TS EN ISO 11654, 15 mm thickness, and resistance to min. 100% relative humidity	m <sup>2</sup>	On the job	36,00
10.240.6709	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.55 as per TS EN ISO 11654, 19-20 mm thickness, and resistance to min. 85% relative humidity	m <sup>2</sup>	On the job	36,00
10.240.6710	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.70 as per TS EN ISO 11654, 19-20 mm thickness, and resistance to min. 85% relative humidity	m <sup>2</sup>	On the job	41,00
10.240.6711	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.85 as per TS EN ISO 11654, 19-20 mm thickness, and resistance to min. 85% relative humidity	m <sup>2</sup>	On the job	46,00
10.240.6712	White-coated rock wool suspended ceiling panel with alpha w value of min. 0.55 as per TS EN ISO 11654, 19-20 mm thickness, and resistance to min. 100% relative humidity	m <sup>2</sup>	On the job	46,00
	<b>ROCK WOOL SUSPENDED CEILING AND WALL PANELS</b> (TS EN 13964) (Fire Class A2 S1 D0)			
10.240.6731	Rock wool suspended ceiling panel with 15 mm thickness, painted front side and 50 kg/m <sup>3</sup> density	m <sup>2</sup>	On the job	42,00
10.240.6732	40-mm thickness glass wool wall panel with both sides covered with acoustic fabric or painted, and 95 kg/m <sup>3</sup> density	m <sup>2</sup>	On the job	320,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.6733	40-mm thickness glass wool suspended ceiling panel with the front surface covered with acoustic fabric or painted, the back surface covered with glass tissue with 95 kg/m <sup>3</sup> density	m <sup>2</sup>	On the job	280,00
10.240.6734	20-mm thickness glass wool wall panel with the front surface covered with acoustic fabric, the back surface covered with glass tissue with 95 kg/m <sup>3</sup> density	m <sup>2</sup>	On the job	150,00
10.240.6735	40-mm thickness glass wool wall panel with the front surface covered with acoustic fabric, the back surface covered with glass tissue with 95 kg/m <sup>3</sup> density	m <sup>2</sup>	On the job	200,00
	<b>PVC Facade and Wall Cladding, Suspended Ceiling</b>			
10.240.7201	Hard PVC cladding panel used for cladding outside walls of buildings (TS 10883)	m <sup>2</sup>	On the job	21,50
10.240.7202	Hard PVC cladding panel used for cladding interior surfaces of buildings (TS 10884)	m <sup>2</sup>	On the job	17,00
10.240.7203	Hard PVC suspended ceiling panels in any color and pattern (60 cm x 60 cm) (TS 10884)	m <sup>2</sup>	On the job	19,00
	<b>GLASS, CERAMIC, NATURAL STONE MOSAICS (Any color, size, form and pattern, meshed (lined up on mesh))</b>			
10.240.8001	Glass mosaics	m <sup>2</sup>	On the job	50,00
10.240.8002	Ceramic mosaics	m <sup>2</sup>	On the job	70,00
10.240.8003	Natural stone mosaics (Jointless - Polished Surface)	m <sup>2</sup>	On the job	100,00
10.240.8004	Natural stone mosaics (Jointed - Plain Surface)	m <sup>2</sup>	On the job	125,00
	<b>CEMENT-BONDED PARTICLE BOARDS (TS EN 634-1, 2)</b>			
10.240.8051	8 mm thickness	m <sup>2</sup>	On the job	13,50
10.240.8052	10 mm thickness	m <sup>2</sup>	On the job	16,05
10.240.8053	12 mm thickness	m <sup>2</sup>	On the job	19,50
10.240.8054	14 mm thickness	m <sup>2</sup>	On the job	22,80
10.240.8055	16 mm thickness	m <sup>2</sup>	On the job	25,80
10.240.8056	18 mm thickness	m <sup>2</sup>	On the job	29,90
10.240.8057	20 mm thickness	m <sup>2</sup>	On the job	32,65
10.240.8058	24 mm thickness	m <sup>2</sup>	On the job	39,45
10.240.8059	28 mm thickness	m <sup>2</sup>	On the job	45,70
10.240.8060	30 mm thickness	m <sup>2</sup>	On the job	50,20
	<b>FLAT BOARDS MADE OF FIBER-REINFORCED CEMENT (TS EN 12467+A1) (Market prices of other thicknesses will be interpolated)</b>			
10.240.8101	6 mm thickness	m <sup>2</sup>	On the job	13,05
10.240.8102	8 mm thickness	m <sup>2</sup>	On the job	15,20
10.240.8103	10 mm thickness	m <sup>2</sup>	On the job	18,95
10.240.8104	12 mm thickness	m <sup>2</sup>	On the job	22,70
10.240.8105	14 mm thickness	m <sup>2</sup>	On the job	26,55
10.240.8106	16 mm thickness	m <sup>2</sup>	On the job	30,20
10.240.8107	18 mm thickness	m <sup>2</sup>	On the job	34,05
10.240.8108	20 mm thickness	m <sup>2</sup>	On the job	37,80
	<b>FIBER-REINFORCED GYPSUM BOARDS (TS 15283-1+A1 GM-FH1R) Both sides covered with fiberglass mats</b>			
10.240.8151	12.5 mm thickness	m <sup>2</sup>	On the job	18,45

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.8152	15 mm thickness	m <sup>2</sup>	On the job	21,25
	<b>MAGNESIUM-OXIDE-BASED BOARDS (ETA)</b> <b>(Market Prices of other thicknesses will be interpolated)</b>			
10.240.8201	4 mm thickness	m <sup>2</sup>	On the job	7,60
10.240.8202	6 mm thickness	m <sup>2</sup>	On the job	11,50
10.240.8203	8 mm thickness	m <sup>2</sup>	On the job	14,60
10.240.8204	10 mm thickness	m <sup>2</sup>	On the job	18,00
10.240.8205	12 mm thickness	m <sup>2</sup>	On the job	20,00
10.240.8206	14 mm thickness	m <sup>2</sup>	On the job	23,00
10.240.8207	16 mm thickness	m <sup>2</sup>	On the job	26,00
10.240.8208	18 mm thickness	m <sup>2</sup>	On the job	30,00
10.240.8209	20 mm thickness	m <sup>2</sup>	On the job	32,00
	<b>PLASTIC PROFILE PANELS WITH FIBERGLASS-REINFORCED POLYESTER RESIN (CTP) CATEGORY 1, 3, 4 (TS EN 1013+A1)</b>			
	<b>A- Transparent roofing sheets</b>			
10.240.9001	0.9-mm thickness, UV-resistant, translucent, grooved, trapezoidal roof panel coated with 30-micron thickness protective film or gel	m <sup>2</sup>	On the job	19,00
	<b>B- Opaque colored roofing sheets</b>			
10.240.9011	1.5-mm thickness, UV-resistant, grooved/trapezoidal roof panel coated with 30-micron thickness protective film or gel	m <sup>2</sup>	On the job	28,00
10.240.9012	1.8-mm thickness, UV-resistant, grooved/trapezoidal roof panel coated with 30-micron thickness protective film or gel	m <sup>2</sup>	On the job	35,00
10.240.9013	2.0-mm thickness, UV-resistant, grooved/trapezoidal roof panel coated with 30-micron thickness protective film or gel	m <sup>2</sup>	On the job	38,00
	<b>C- Double-layer fiberglass-reinforced transparent polyester sandwich composite panel sheets</b>			
10.240.9021	1.5-mm thickness top plate coated with 30-micron thickness protective film or gel, 1.2-mm thickness bottom plate without any film or gel coating, and UV-resistant, grooved/trapezoidal panels with 30 kg/m <sup>3</sup> density and 40 mm thickness, and polyethylene foam filling in between	m <sup>2</sup>	On the job	66,00
10.240.9022	1.5-mm thickness top plate coated with 30-micron thickness protective film or gel, 1.2-mm thickness bottom plate without any film or gel coating, and UV-resistant, grooved/trapezoidal panels with 30 kg/m <sup>3</sup> density and 50 mm thickness, and polyethylene foam filling in between	m <sup>2</sup>	On the job	71,00
10.240.9023	1.8-mm thickness top plate coated with 30-micron thickness protective film or gel, 1.5-mm thickness bottom plate without any film or gel coating, and UV-resistant, grooved/trapezoidal panels with 30 kg/m <sup>3</sup> density and 40 mm thickness, and polyethylene foam filling in between	m <sup>2</sup>	On the job	81,00
10.240.9024	1.8-mm thickness top plate coated with 30-micron thickness protective film or gel, 1.5-mm thickness bottom plate without any film or gel coating, and UV-resistant, grooved/trapezoidal panels with 30 kg/m <sup>3</sup> density and 50 mm thickness, and polyethylene foam filling in between	m <sup>2</sup>	On the job	85,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>FIBERGLASS-REINFORCED POLYESTER, OPAQUE, COLORED, EMBOSSED, FLAT SHEETS</b>			
	<b>1- Colored opaque sheets with top surface covered with 20-micron thickness embossed protective film or gel, and bottom surface flat and hygienic</b>			
10.240.9031	For 1.2 mm thickness	m <sup>2</sup>	On the job	20,20
10.240.9032	For 1.4 mm thickness	m <sup>2</sup>	On the job	23,70
10.240.9033	For 1.5 mm thickness	m <sup>2</sup>	On the job	25,30
10.240.9034	For 1.8 mm thickness	m <sup>2</sup>	On the job	29,30
10.240.9035	For 2.0 mm thickness	m <sup>2</sup>	On the job	33,10
10.240.9036	For 2.2 mm thickness	m <sup>2</sup>	On the job	35,90
10.240.9037	For 2.5 mm thickness	m <sup>2</sup>	On the job	41,60
10.240.9038	For 3.0 mm thickness	m <sup>2</sup>	On the job	49,50
	<b>2- Colored opaque sheets with top surface covered with 20-micron thickness isophthalic-based gel, and bottom surface flat and hygienic</b>			
10.240.9041	For 1.3 mm thickness	m <sup>2</sup>	On the job	23,50
10.240.9042	For 1.5 mm thickness	m <sup>2</sup>	On the job	27,00
10.240.9043	For 1.8 mm thickness	m <sup>2</sup>	On the job	32,30
10.240.9044	For 2.0 mm thickness	m <sup>2</sup>	On the job	35,90
10.240.9045	For 2.2 mm thickness	m <sup>2</sup>	On the job	39,20
10.240.9046	For 2.5 mm thickness	m <sup>2</sup>	On the job	42,50
10.240.9047	For 3.0 mm thickness	m <sup>2</sup>	On the job	49,90
	<b>PVC CATEGORY 1, 3, 4 PLASTIC PROFILE PANELS (TS EN 1013+A1)</b>			
	<b>E- Single-layer, transparent roofing sheets</b>			
10.240.9051	Roofing cover plate with translucent, trapezoid top, flat bottom, min. 1.00-mm wall thickness and UV resistance	m <sup>2</sup>	On the job	22,80
	<b>F- Opaque, colored, single-layer roofing sheets</b>			
10.240.9061	Roofing cover plate with non-translucent, trapezoid top, flat bottom, min. 1.00-mm wall thickness and UV resistance	m <sup>2</sup>	On the job	17,90
	<b>G- Two-layer, transparent roofing sheets</b>			
10.240.9071	Roofing cover plate with translucent, trapezoid top, flat bottom, min. 1.00-mm wall thickness, 40-mm panel height, air space and UV resistance	m <sup>2</sup>	On the job	49,00
	<b>H- Opaque, colored, two-layer roofing sheets</b>			
10.240.9081	Roofing cover plate with light-proof, trapezoid top, flat bottom, min. 1.00-mm wall thickness, 40-mm panel height, air space and UV resistance	m <sup>2</sup>	On the job	32,60
	<b>POLYCARBONATE SHEETS (Grooved - Single Cell) (TS EN ISO 11963)</b>			
10.240.9091	4 mm thickness	m <sup>2</sup>	On the job	14,80
10.240.9092	6 mm thickness	m <sup>2</sup>	On the job	21,60
10.240.9093	8 mm thickness	m <sup>2</sup>	On the job	24,30
10.240.9094	10 mm thickness	m <sup>2</sup>	On the job	27,00
	<b>GROOVED PANELS, INSTALLATION MATERIALS, ETC.</b>			
10.240.9101	Fiber-cement grooved panel (6-mm thick) (TS EN 494+A1)	m <sup>2</sup>	On the job	12,90

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.240.9102	Grooved bitumen panels (Any color) (Category R >= 1400 N/m <sup>2</sup> ) (TS EN 534+A1) (Fire class: BROOF)	m <sup>2</sup>	On the job	17,80
10.240.9111	Galvanized nail 70/17, same color as the cladding panel, with plastic washer	Qty	On the job	0,06
10.240.9112	Galvanized hook with plastic head	Qty	On the job	0,33
10.240.9113	Special galvanized twist nail with plastic washer	Qty	On the job	0,35
10.240.9114	Galvanized nail with monobloc head	Qty	On the job	0,12
10.240.9115	Self-drilling screw with monobloc head	Qty	On the job	0,30
10.240.9116	Capped lag screw	Qty	On the job	0,30
10.240.9117	Capped hook screw	Qty	On the job	0,30
	<b>PAINT, PRIMER, PUTTY, LACQUER - POLISH AND COATING MATERIALS</b>			
	<b>Paint</b>			
10.300.1001	Water-based, matte interior wall paint	Kg	On the job	8,00
10.300.1002	Water-based, silk matte interior wall paint	Kg	On the job	14,00
10.300.1003	Water-based, semi-matte interior wall paint	Kg	On the job	13,00
10.300.1004	Water-based, acrylic, matte antibacterial paint	Kg	On the job	15,00
10.300.1005	Water-based, acrylic, semi-matte antibacterial paint	Kg	On the job	15,00
10.300.1006	Water-based, hybrid interior wall paint	Kg	On the job	19,00
10.300.1007	Synthetic-based paint	Kg	On the job	13,00
10.300.1008	Solvent-based epoxy paint (two-component)	Kg	On the job	16,00
10.300.1009	Water-based, acrylic, exterior wall paint	Kg	On the job	10,00
10.300.1010	Water-based, acrylic, grained/textured exterior wall panel	Kg	On the job	10,00
10.300.1011	Pure acrylic-based exterior wall paint	Kg	On the job	15,00
10.300.1012	Water-based, silicon exterior wall paint	Kg	On the job	13,00
10.300.1013	Water-based, silicon, grained/textured exterior wall panel	Kg	On the job	11,00
10.300.1014	Photocatalytic, water-based exterior wall paint	Kg	On the job	17,00
10.300.1015	Elastomeric resin-based exterior wall paint	Kg	On the job	14,00
10.300.1016	Water-based exterior wall wood paint (except for doors and windows)	Kg	On the job	24,00
10.300.1017	Heat-reflecting exterior wall paint	Kg	On the job	17,00
10.300.1018	Thermoplastic resin-based exterior wall paint	Kg	On the job	13,00
10.300.1019	Thermoplastic grained-textured resin-based exterior wall paint	Kg	On the job	13,00
10.300.1020	Water-based panel door paint	Kg	On the job	29,00
10.300.1021	Alkyd resin-based metal plating final coat paint	Kg	On the job	31,00
10.300.1022	Urethane alkyd resin-based anticorrosive metal paint	Kg	On the job	31,00
10.300.1023	Pure silicon acrylic resin-based exterior wall paint	Kg	On the job	33,00
10.300.1024	Water-based pure acrylic resin-based, textured and flexible exterior wall paint	Kg	On the job	15,00
10.300.1025	Water-based pure acrylic-based, textured and flexible exterior wall paint	Kg	On the job	15,00
10.300.1026	Water-based pure acrylic-based, textured exterior wall paint	Kg	On the job	15,00
10.300.1027	Water-based epoxy paint	Kg	On the job	12,00
10.300.1028	Mineral powder paint (Any color)	Kg	On the job	4,80
10.300.1029	(VOC quantity < 1 g/lit) water-based, matte interior wall paint (VOC = Volatile Organic Component)	Kg	On the job	31,00

### Market Prices for Construction Materials

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.300.1030	(VOC quantity < 1 g/l) water-based, silk-matte interior wall paint (VOC = Volatile Organic Component)	Kg	On the job	36,00
10.300.1031	(VOC quantity < 50 g/l) water-based, matte interior wall paint (VOC = Volatile Organic Component)	Kg	On the job	25,00
10.300.1032	(VOC quantity < 50 g/l) water-based, silk-matte interior wall paint (VOC = Volatile Organic Component)	Kg	On the job	29,00
10.300.1033	Elastomeric resin-based interior/exterior wall paint containing micro-globules	Kg	On the job	35,00
	<b>Primer</b>			
10.300.1151	Water-based primer	Kg	On the job	5,50
10.300.1152	Water-based silicon-based exterior wall primer	Kg	On the job	10,00
10.300.1153	Water-based exposed concrete primer	Kg	On the job	5,50
10.300.1154	Water-based wood paint primer	Kg	On the job	19,00
10.300.1155	Iron - steel surface protective primer (anti-rust)	Kg	On the job	9,30
10.300.1156	Metal and PVC surface primer	Kg	On the job	31,00
10.300.1157	Water-based, acrylic antibacterial solution	Kg	On the job	4,10
10.300.1158	Water-based, acrylic antibacterial primer	Kg	On the job	9,00
10.300.1159	Stain-blocking thermoplastic resin-based interior wall primer	Kg	On the job	22,00
10.300.1160	Synthetic paint primer	Kg	On the job	8,50
10.300.1161	Synthetic-based protective primer for raw wood	Kg	On the job	10,00
10.300.1162	Synthetic-based colored protective agent for wood	Kg	On the job	11,00
10.300.1163	Thermoplastic resin-based primer	Kg	On the job	12,00
10.300.1164	Solvent-based epoxy primer (two-component)	Kg	On the job	14,00
10.300.1165	Acrylic copolymer resin and solvent-based exterior wall primer	Kg	On the job	15,00
	<b>Putty</b>			
10.300.1201	Water-based interior wall putty	Kg	On the job	5,50
10.300.1202	Acrylic-based putty	Kg	On the job	5,00
10.300.1203	Water-based wood putty	Kg	On the job	9,00
10.300.1204	Synthetic paint putty	Kg	On the job	8,50
	<b>Protective exterior wall coating</b>			
10.300.1251	Water-based, UV-resistant, transparent surface protection coating	Kg	On the job	20,00
10.300.1252	Siloxane-based, UV-resistant, transparent surface protection coating	Kg	On the job	21,00
	<b>Lacquer, polish</b>			
10.300.1301	Synthetic-based lacquer	Kg	On the job	13,50
10.300.1302	Synthetic-based, colored protective agent for wood	Kg	On the job	15,00
10.300.1303	Floor varnish	Kg	On the job	17,00
	<b>Coating</b>			
10.300.1351	Acrylic-based, premixed, colored plaster	Kg	On the job	3,50
10.300.1352	Silicon-based, premixed, colored plaster	Kg	On the job	5,00
10.300.1353	Cement-based, premixed plaster (dry mixture)	Kg	On the job	1,45
10.300.1361	Exterior wall coating with acrylic binder and micro-globules	Kg	On the job	45,00
	<b>Road Marking Agents (TS EN 1871)</b>			
10.300.1401	Water-based cold road traffic line paint	Kg	On the job	13,00
10.300.1402	Solvent-based cold road traffic line paint	Kg	On the job	9,00
10.300.1403	Thermoplastic-based warm road traffic line paint	Kg	On the job	6,50



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>ACRYLIC MODIFIED POLYURETHANE-BASED PAINT, ETC. MATERIALS</b>			
	<b>1) Wall paint</b>			
10.300.1501	Grained	Kg	On the job	11,00
10.300.1502	Nano-resin	Kg	On the job	37,00
10.300.1503	Wood paint	Kg	On the job	55,00
10.300.1504	Metal paint	Kg	On the job	91,00
10.300.1505	PVC, Aluminum paint	Kg	On the job	101,00
10.300.1506	Antibacterial paint	Kg	On the job	58,00
10.300.1507	Transparent protective	Kg	On the job	91,00
10.300.1508	Antibacterial priming	Kg	On the job	30,00
10.300.1509	Antibacterial transparent protective (Nano silver ion-based)	Kg	On the job	98,00
10.300.1510	Nano-resin-based, photoluminescent pigment paint (that can be luminated for minimum 8 hours during power outage) (emergency exit roads and markings, shelters, tunnels, warehouses, vestibules, foyers, military wards, etc.)	Kg	On the job	293,00
10.300.1511	Water-based acrylic polyurethane nano-resin-based, open-flame-resistant (fireproof for 90 minutes) paint	Kg	On the job	60,00
10.300.1512	Water-based paint remover gel	Kg	On the job	33,00
10.300.1513	Paint remover powder	Kg	On the job	8,40
10.300.1514	Water-based, nano-tech coating agents in any color, reflecting Solar IR rays and applicable to any surface (materials, aluminum, galvanized, plaster, concrete and similar other surfaces)	Kg	On the job	330,00
10.300.1515	Acrylic modified polyurethane primer	Kg	On the job	26,00
	<b>Auxiliary Materials for Paint, etc.</b>			
10.300.1601	Soft soap (TS 54)	Kg	On the job	2,20
10.300.1602	Sandpaper (size A4)	Qty	On the job	0,68
10.300.1603	Cotton	Kg	On the job	1,90
	<b>STRUCTURAL CHEMICALS</b>			
	<b>Mortar Admixtures (For Bedding, Screed, Plaster mortar, etc.)</b>			
10.300.2001	Waterproofing admixture for regular setting (Fluid)	Kg	On the job	2,75
10.300.2002	Waterproofing admixture for quick setting (Fluid)	Kg	On the job	3,30
10.300.2003	Waterproofing admixture for very quick setting (Fluid)	Kg	On the job	3,80
10.300.2004	Plasticizing - Air Entraining mortar admixture (Fluid)	Kg	On the job	3,95
10.300.2005	Plasticizing - Setting Retarder mortar admixture (Fluid)	Kg	On the job	3,85
	<b>Protective Admixtures and Supplies for Concrete (TS EN 934-2+A1)</b>			
10.300.2031	Water Reducer/Plasticizer (Fluid)	Kg	On the job	2,00
10.300.2032	Powerful Water Reducer/Super-plasticizer (Fluid)	Kg	On the job	3,05
10.300.2033	Medium Plasticizer - Setting Retarder (Fluid)	Kg	On the job	2,55
10.300.2034	Super Plasticizer - Setting Retarder (Fluid)	Kg	On the job	3,90
10.300.2035	Chemical Setting Retarder Admixture (Fluid)	Kg	On the job	3,40
10.300.2036	Chemical Hardening-accelerating Admixture (Fluid)	Kg	On the job	3,70
10.300.2037	Waterproofing Admixture (Fluid)	Kg	On the job	2,95

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.300.2038	Air-entraining Chemical Admixture (Fluid)	Kg	On the job	3,40
10.300.2039	Cold-weather Concreting Admixture (Fluid)	Kg	On the job	1,85
	<b>Concrete Side Products</b>	Kg	On the job	
10.300.2061	Corrosion-retarding Admixture (Fluid)	Kg	On the job	14,05
10.300.2062	Acrylic-based Curing Agent (Fluid)	Kg	On the job	4,95
	<b>Concrete Repair Agents, etc. (Cement-based)</b>			
10.300.2071	Fine Repair Mortar (TS EN 1504-3)	Kg	On the job	1,00
10.300.2072	Coarse Repair Mortar (TS EN 1504-3)	Kg	On the job	0,95
10.300.2073	Cement-based Pouring Grout (TS EN 1504-3)	Kg	On the job	1,20
10.300.2074	Self-leveling floor bedding mortar (TS EN 13813, TS EN 1504-2)	Kg	On the job	1,45
	<b>Cement-based Surface Hardeners (TS EN 1504-2, TS EN 13813)</b>			
10.300.2091	Surface hardeners with basalt aggregates (Gray)	Kg	On the job	0,40
10.300.2092	Surface hardeners with basalt aggregates (Red)	Kg	On the job	0,60
10.300.2093	Surface hardeners with basalt aggregates (Green)	Kg	On the job	0,90
10.300.2094	Surface hardeners with quartz aggregates (Gray)	Kg	On the job	0,45
10.300.2095	Surface hardeners with quartz aggregates (Red)	Kg	On the job	0,70
10.300.2096	Surface hardeners with quartz aggregates (Green)	Kg	On the job	1,05
10.300.2097	Surface hardeners with quartz-corundum aggregates (Gray)	Kg	On the job	0,60
10.300.2098	Surface hardeners with quartz-corundum aggregates (Red)	Kg	On the job	0,85
10.300.2099	Surface hardeners with quartz-corundum aggregates (Green)	Kg	On the job	1,10
10.300.2100	Surface hardeners with corundum aggregates (Gray)	Kg	On the job	0,75
10.300.2101	Surface hardeners with corundum aggregates (Red)	Kg	On the job	1,05
10.300.2102	Surface hardeners with corundum aggregates (Green)	Kg	On the job	1,45
	<b>Liquid Surface Hardeners - Primers (TS EN 1504-2)</b>			
10.300.2121	Anti-dusting Coating and Curing Agent (Fresh/Hardened Concrete) (Fluid)	Kg	On the job	4,60
10.300.2122	Single-component Acrylic Copolymer-based Primer (Fluid)	Kg	On the job	4,70
	<b>Quick-setting Admixtures for Shotcrete (Dry System)</b>			
10.300.2131	Powder shotcrete admixture with alkali content	Kg	On the job	2,30
10.300.2132	Alkali-free powder shotcrete admixture	Kg	On the job	1,85
	<b>Quick-setting Admixtures for Shotcrete (Wet System)</b>			
10.300.2141	Fluid shotcrete admixture with alkali content	Kg	On the job	2,95
10.300.2142	Alkali-free, fluid shotcrete admixture	Kg	On the job	2,10
	<b>Resin-based Agents</b>			
10.300.2151	Adhesive for adherence of epoxy-based old concrete to new concrete (two-component)	Kg	On the job	25,25
10.300.2152	Epoxy-based pre-flooring primer (two-component) (TS EN 1504-2)	Kg	On the job	36,00
10.300.2153	Epoxy-based (Self-leveling) flooring (two-component)	Kg	On the job	23,50

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.300.2154	Epoxy-based flooring with orange peel pattern (texture) (two-component) (TS EN 1504-2)	Kg	On the job	30,50
10.300.2155	Epoxy-based (two-component) adhesive and repair grout (TS EN 1504-3)	Kg	On the job	22,00
10.300.2156	Agents used for anchorage (epoxy resin-based, two-component cylinder) (250-ml cylinder)	Qty	On the job	50,50
10.300.2157	One-component, polyurethane-based, UV-resistant joint filling mastic (310-ml cartridge)	Qty	On the job	20,00
10.300.2158	Polyethylene cylinders (diameter: Ø6 mm)	m	On the job	0,17
	<b>Water Insulation Agents</b>			
10.300.2171	Cement-based, quick-setting sealing grout (TS EN 1504-3)	Kg	On the job	6,40
10.300.2172	Cement-based crystallized water insulation agent (single-component) (TS EN 1504-2)	Kg	On the job	2,50
10.300.2173	Cement-based, elastic (two-component) water insulation grout (TS EN 1504-2)	Kg	On the job	3,40
10.300.2174	Elastomeric resin-based (single-component) water insulation agent (Liquid Membrane)	Kg	On the job	9,30
10.300.2175	Cement- and bitumen-based (two-component) water insulation agent	Kg	On the job	6,75
10.300.2176	Bitumen-rubber-based (single-component) water insulation agent	Kg	On the job	8,95
10.300.2177	Bitumen-rubber-based (two-component) water insulation agent	Kg	On the job	8,95
10.300.2178	Hybrid polyurea-based (two-component) water insulation agent (TS EN 1504-2)	Kg	On the job	26,00
10.300.2179	100%-pure polyurea-based (two-component) water insulation agent (TS EN 1504-2)	Kg	On the job	58,00
	<b>Mold Releases</b>			
10.300.2191	Oil-based mold release (concentrated mold oil) (Wood-Plastic)	Kg	On the job	3,75
10.300.2192	Oil-based mold release (concentrated mold oil) (Plastic-Steel)	Kg	On the job	4,75
	<b>Tile Adhesives</b>			
10.300.2201	Cement-based, standard-performance tile adhesives with reduced slip (TS EN 12004-1 - C1T)	Kg	On the job	0,50
10.300.2202	Cement-based, standard-performance tile adhesives with reduced slip and prolonged exposed holding time (TS EN 12004-1 - C1TE)	Kg	On the job	0,80
10.300.2203	Cement-based, high-performance tile adhesives with reduced slip and prolonged exposed holding time (TS EN 12004-1 - C2TE)	Kg	On the job	1,20
10.300.2204	Cement-based, high-performance, flexible tile adhesives with reduced slip and prolonged exposed holding time ((TS EN 12004-1 - C2TE) (TS EN 12004-2 - S1))	Kg	On the job	2,20

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.300.2205	Cement-based, high-performance, very flexible tile adhesives with reduced slip and prolonged exposed holding time ((TS EN 12004-1 - C2TE) (TS EN 12004-2 - S2))	Kg	On the job	2,40
10.300.2206	Dispersion (Acrylic)-based, standard-performance tile adhesives with reduced slip TS EN 12004-1 - D1T)	Kg	On the job	4,50
10.300.2207	Dispersion (Acrylic)-based, high-performance tile adhesives with reduced slip and prolonged exposed holding time (TS EN 12004-1 - D2TE)	Kg	On the job	5,80
10.300.2208	Reaction resin-based (two or more components), high-performance tile adhesives with reduced slip (TS EN 12004-1 - R2T)	Kg	On the job	16,50
	<b>Joint Filling Agents (any color)</b>			
10.300.2231	Cement-based, standard-performance joint filling (TS EN 13888 - CG1)	Kg	On the job	1,30
10.300.2232	Cement-based, high-performance, high abrasion-resistant joint filling with reduced water absorption (TS EN 13888 - CG2AW)	Kg	On the job	1,70
10.300.2233	Reaction resin-based (two or more components) joint filling (TS EN 13888 - RG)	Kg	On the job	19,20
	<b>STEEL WIRES AND MICRO/MACRO REINFORCEMENT FIBERS USED FOR CONCRETE REINFORCEMENT</b>			
	<b>Steel Wires (TS EN 14889-1)</b>			
10.300.4001	Longitudinally deformed, glued wires (notched, longitudinally curved, waved)	Kg	On the job	5,20
10.300.4002	Longitudinally deformed, non-glued wires (notched, longitudinally curved, waved)	Kg	On the job	4,75
	<b>Glued Wires with Hooks in Both Ends (TS EN 14889-1)</b>			
10.300.4011	0.55 mm in diameter and 30/35 mm long	Kg	On the job	7,20
10.300.4012	0.75 mm in diameter and 30/35 mm long	Kg	On the job	6,80
10.300.4013	0.75 mm in diameter and 60 mm long	Kg	On the job	6,25
10.300.4014	0.90 mm in diameter and 60 mm long	Kg	On the job	6,00
	<b>Non-glue Wires with Hooks in Both Ends (TS EN 14889-1)</b>			
10.300.4021	0.55 mm in diameter and 30/35 mm long	Kg	On the job	6,40
10.300.4022	0.75 mm in diameter and 30/35 mm long	Kg	On the job	5,60
10.300.4023	0.75 mm in diameter and 60 mm long	Kg	On the job	5,30
10.300.4024	0.90 mm in diameter and 60 mm long	Kg	On the job	4,60
	<b>Macro/micro reinforcement fibers (TS EN 14889-2)</b>			
10.300.4101	Price of synthetic macro-fiber reinforcement in 1 m <sup>3</sup> of shotcrete with synthetic macro-fiber reinforcement, which shall have an energy storage capacity of (500 joules ≤ energy storage capacity < 700 joule) as indicated by the tests conducted by a laboratory accredited per TS EN 14488-5.	m <sup>3</sup>	On the job	100,00

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.300.4102	Price of synthetic macro-fiber reinforcement in 1 m <sup>3</sup> of shotcrete with synthetic macro-fiber reinforcement, which shall have an energy storage capacity of (700 joules ≤ energy storage capacity < 1000 joules) as indicated by the tests conducted by a laboratory accredited per TS EN 14488-5.	m <sup>3</sup>	On the job	145,00
10.300.4103	Price of synthetic macro-fiber reinforcement in 1 m <sup>3</sup> of shotcrete with synthetic macro-fiber reinforcement, which shall have an energy storage capacity of (1000 joules ≤ energy storage capacity) as indicated by the tests conducted by a laboratory accredited per TS EN 14488-5.	m <sup>3</sup>	On the job	190,00
10.300.4121	The price for synthetic macrofiber reinforcement per m <sup>3</sup> of field concrete with synthetic macrofiber reinforcement and with 1.5 N/mm <sup>2</sup> for CMOD=0.5 mm and 1 N/mm <sup>2</sup> for CMOD=3.5 as per the results of the tests conducted by accredited laboratories in accordance with TS EN 14651	m <sup>3</sup>	On the job	135,00
10.300.4151	Polypropylene micro-fiber reinforcement fibers	Kg	On the job	14,00
	<b>INSULATION MATERIALS</b>			
	<b>FIBER THERMAL AND SOUND INSULATION SUPPLIES AND CEILING PANELS</b>			
	<b>GLASS WOOL (TS 901-2, TS EN 13162+A1)</b>			
	Mat of inorganic origin: Non-load bearing and used for heat and sound insulation in the technique and structure, estimated thermal conductivity at first dynamic hardness ≤ 0.040 W/mK Note: Market prices of other thicknesses will be interpolated.			
	<b>15 kg/m<sup>3</sup> density</b>			
10.330.1001	8-cm thickness, both surfaces covered with glass tissue	m <sup>2</sup>	On the job	6,85
10.330.1002	10-cm thickness, both surfaces covered with lass tissue	m <sup>2</sup>	On the job	7,85
10.330.1003	12-cm thickness, both surfaces covered with glass tissue	m <sup>2</sup>	On the job	9,10
10.330.1004	14-cm thickness, both surfaces covered with glass tissue	m <sup>2</sup>	On the job	10,35
10.330.1005	8-cm thickness, one surface covered with Kraft paper	m <sup>2</sup>	On the job	5,95
	<b>16 kg/m<sup>3</sup> density</b>			
10.330.1011	8-cm thickness, one surface covered with tin foil with overlap margin	m <sup>2</sup>	On the job	9,05
10.330.1012	10-cm thickness, one surface covered with tin foil with overlap margin	m <sup>2</sup>	On the job	10,35
10.330.1013	12-cm thickness, one surface covered with tin foil with overlap margin	m <sup>2</sup>	On the job	11,45
	<b>18 kg/m<sup>3</sup> density</b>			
10.330.1021	18 kg/m <sup>3</sup> density, 6-cm thick (mat)	m <sup>2</sup>	On the job	3,60
10.330.1022	8 cm thickness	m <sup>2</sup>	On the job	5,60
10.330.1023	10 cm thickness	m <sup>2</sup>	On the job	7,00
10.330.1024	12 cm thickness	m <sup>2</sup>	On the job	8,40
10.330.1025	14 cm thickness	m <sup>2</sup>	On the job	9,85
	<b>22 kg/m<sup>3</sup> density</b>			
10.330.1031	5-cm thickness, one surface covered with Kraft paper	m <sup>2</sup>	On the job	5,20
	<b>Panel: Used for heat and sound insulation in the technique and structure, estimated thermal conductivity at first dynamic hardness: ≤ 0.040 W/mK. Note: Unit prices of intermediate thickness values shall be interpolated.</b>			
10.330.1201	30 kg/m <sup>3</sup> density, 3-cm thick, non-load bearing, with silicon	m <sup>2</sup>	On the job	4,15

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.1202	30 kg/m <sup>3</sup> density, 5-cm thick, non-load bearing, with silicon	m <sup>2</sup>	On the job	6,45
10.330.1203	30 kg/m <sup>3</sup> density, 8-cm thick, non-load bearing, with silicon	m <sup>2</sup>	On the job	9,95
10.330.1204	30 kg/m <sup>3</sup> density, 10-cm thick, non-load bearing, with silicon	m <sup>2</sup>	On the job	12,40
10.330.1211	20-22 kg/m <sup>3</sup> density, 3-cm thick, non-load bearing, with silicon	m <sup>2</sup>	On the job	3,15
10.330.1212	20-22 kg/m <sup>3</sup> density, 4-cm thick, non-load bearing, with silicon	m <sup>2</sup>	On the job	4,15
10.330.1213	20-22 kg/m <sup>3</sup> density, 5-cm thick, non-load bearing, with silicon	m <sup>2</sup>	On the job	5,15
10.330.1214	20-22 kg/m <sup>3</sup> density, 6-cm thick, non-load bearing, with silicon	m <sup>2</sup>	On the job	6,25
10.330.1215	20-22 kg/m <sup>3</sup> density, 8-cm thick, non-load bearing, with silicon	m <sup>2</sup>	On the job	8,15
10.330.1216	20-22 kg/m <sup>3</sup> density, 10-cm thick, non-load bearing, with silicon	m <sup>2</sup>	On the job	11,10
	<b>50 kg/m<sup>3</sup> density, 2-cm thick, non-load bearing</b>			
10.330.1231	One surface covered with tin foil	m <sup>2</sup>	On the job	6,60
10.330.1232	One surface coated with glass tissue	m <sup>2</sup>	On the job	6,50
	<b>50 kg/m<sup>3</sup> density, 2.5-cm thick, non-load bearing</b>			
10.330.1241	One surface covered with tin foil	m <sup>2</sup>	On the job	7,65
10.330.1242	One surface coated with glass tissue	m <sup>2</sup>	On the job	7,55
	<b>50 kg/m<sup>3</sup> density, 3-cm thick, non-load bearing</b>			
10.330.1251	One surface covered with tin foil	m <sup>2</sup>	On the job	8,75
10.330.1252	One surface coated with glass tissue	m <sup>2</sup>	On the job	8,50
	<b>50 kg/m<sup>3</sup> density, 5-cm thick, non-load bearing</b>			
10.330.1261	One surface covered with tin foil	m <sup>2</sup>	On the job	12,90
10.330.1262	One surface coated with glass tissue	m <sup>2</sup>	On the job	12,25
	<b>28 kg/m<sup>3</sup> density</b>			
10.330.1271	5-cm thickness, non-load bearing, two sides coated with glass tissue, containing silicon	m <sup>2</sup>	On the job	9,55
10.330.1272	7.5-cm thickness, non-load bearing, both sides glass tissue-coated, with silicon	m <sup>2</sup>	On the job	12,80
10.330.1273	8-cm thickness, non-load bearing, two sides coated with glass tissue, containing silicon	m <sup>2</sup>	On the job	13,35
10.330.1274	10-cm thickness, non-load bearing, two sides coated with glass tissue, containing silicon	m <sup>2</sup>	On the job	16,15
	<b>40 kg/m<sup>3</sup> density</b>			
10.330.1281	5-cm thickness, non-load bearing, one side coated with glass tissue, containing silicon	m <sup>2</sup>	On the job	11,80
10.330.1282	6-cm thickness, non-load bearing, one side coated with glass tissue, containing silicon	m <sup>2</sup>	On the job	13,55
10.330.1283	8-cm thickness, non-load bearing, one side coated with glass tissue, containing silicon	m <sup>2</sup>	On the job	17,65
10.330.1284	10-cm thickness, non-load bearing, one side coated with glass tissue, containing silicon	m <sup>2</sup>	On the job	21,55
	<b>24 kg/m<sup>3</sup> density</b>			
10.330.1291	1.5-cm thickness, non-load bearing, one side covered with acrilan	m <sup>2</sup>	On the job	7,60
10.330.1292	2.5-cm thickness, non-load bearing, one side covered with acrilan	m <sup>2</sup>	On the job	9,45

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.1293	24 kg/m <sup>3</sup> density, 5 cm thickness, non-load bearing, one surface covered with tin foil with overlap margins	m <sup>2</sup>	On the job	8,25
10.330.1294	5-cm thick, non-load bearing	m <sup>2</sup>	On the job	4,80
	<b>100 kg/m<sup>3</sup> density</b>			
10.330.1301	100 kg/m <sup>3</sup> density, 1.5-cm thick, load bearing	m <sup>2</sup>	On the job	5,65
10.330.1302	100 kg/m <sup>3</sup> density, 2-cm thick, load bearing	m <sup>2</sup>	On the job	6,95
10.330.1303	100 kg/m <sup>3</sup> density, 2.5-cm thick, load bearing	m <sup>2</sup>	On the job	8,55
10.330.1304	100 kg/m <sup>3</sup> density, 1.5-cm thick, load bearing, one surface coated with tin foil	m <sup>2</sup>	On the job	7,80
10.330.1305	100 kg/m <sup>3</sup> density, 5-cm thick, load bearing	m <sup>2</sup>	On the job	16,05
10.330.1306	100 kg/m <sup>3</sup> density, 3-cm thick, load bearing	m <sup>2</sup>	On the job	10,15
10.330.1307	Load-bearing panel with 100 kg/m <sup>3</sup> density, 3 cm thickness, and one side factory-coated with bitumen with glass tissue carrier	m <sup>2</sup>	On the job	11,75
10.330.1308	Load-bearing panel with 100 kg/m <sup>3</sup> density, 5 cm thickness, and one side factory-coated with bitumen with glass tissue carrier	m <sup>2</sup>	On the job	17,50
	<b>Rock wool of inorganic origin (TS 901-2, TS EN 13162+A1)</b>			
	Panel: Used for heat, sound and fire insulation in the technique and structure, estimated thermal conductivity ≤ 0.040 W/mK Note: Market Prices of other thicknesses will be interpolated.			
10.330.1501	110 kg/m <sup>3</sup> density, 2.5-cm thick, load bearing	m <sup>2</sup>	On the job	7,55
10.330.1502	110 kg/m <sup>3</sup> density, 3-cm thick, load bearing	m <sup>2</sup>	On the job	9,10
10.330.1503	110 kg/m <sup>3</sup> density, 3.5-cm thick, load bearing	m <sup>2</sup>	On the job	10,60
10.330.1504	Non-load bearing ceiling panel with 110 kg/m <sup>3</sup> density, 2.5 cm thickness, and one side factory-coated with glass tissue carrier	m <sup>2</sup>	On the job	9,10
10.330.1511	150 kg/m <sup>3</sup> density, 3-cm thick, load bearing	m <sup>2</sup>	On the job	10,90
10.330.1512	150 kg/m <sup>3</sup> density, 4-cm thick, load bearing	m <sup>2</sup>	On the job	14,05
10.330.1513	150 kg/m <sup>3</sup> density, 5-cm thick, load bearing	m <sup>2</sup>	On the job	17,10
10.330.1514	150 kg/m <sup>3</sup> density, 6-cm thick, load bearing	m <sup>2</sup>	On the job	20,65
10.330.1515	150 kg/m <sup>3</sup> density, 8-cm thick, load bearing	m <sup>2</sup>	On the job	26,50
10.330.1516	150 kg/m <sup>3</sup> density, 10-cm thick, load bearing	m <sup>2</sup>	On the job	32,70
	<b>Load-bearing panel with 150 kg/m<sup>3</sup> density, and one side factory-coated with bitumen with glass tissue carrier</b>			
10.330.1521	3-cm thick,	m <sup>2</sup>	On the job	16,15
10.330.1522	4-cm thick,	m <sup>2</sup>	On the job	19,85
10.330.1523	5-cm thick,	m <sup>2</sup>	On the job	23,70

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.1524	6 cm thickness	m <sup>2</sup>	On the job	27,50
10.330.1525	8 cm thickness	m <sup>2</sup>	On the job	35,05
10.330.1526	10 cm thickness	m <sup>2</sup>	On the job	42,70
	<b>Internal and external Insulation Sheathing for exterior walls (for plaster applications) with tensile strength perpendicular to surfaces <math>\geq 7.5</math> kPa, water absorption at long-term partial immersion <math>&lt; 3</math> kg/m<sup>2</sup>, min. density 120 kg/m<sup>3</sup> (Inflammability class A)</b>			
10.330.1541	3 cm thickness	m <sup>2</sup>	On the job	10,90
10.330.1542	4 cm thickness	m <sup>2</sup>	On the job	14,05
10.330.1543	5 cm thickness	m <sup>2</sup>	On the job	17,10
10.330.1544	6 cm thickness	m <sup>2</sup>	On the job	20,25
10.330.1545	7 cm thickness	m <sup>2</sup>	On the job	24,35
10.330.1546	8 cm thickness	m <sup>2</sup>	On the job	26,50
	<b>40 kg/m<sup>3</sup> density, non-load bearing</b>			
10.330.1551	3 cm thickness	m <sup>2</sup>	On the job	3,85
10.330.1552	4 cm thickness	m <sup>2</sup>	On the job	4,55
10.330.1553	5 cm thickness	m <sup>2</sup>	On the job	5,30
10.330.1554	6 cm thickness	m <sup>2</sup>	On the job	6,10
10.330.1555	8 cm thickness	m <sup>2</sup>	On the job	7,55
10.330.1556	10 cm thickness	m <sup>2</sup>	On the job	9,10
10.330.1557	12 cm thickness	m <sup>2</sup>	On the job	10,60
	<b>50 to 52-kg/m<sup>3</sup> density, non-load bearing</b>			
10.330.1561	3 cm thickness	m <sup>2</sup>	On the job	4,55
10.330.1562	4 cm thickness	m <sup>2</sup>	On the job	5,60
10.330.1563	5 cm thickness	m <sup>2</sup>	On the job	6,65
10.330.1564	6 cm thickness	m <sup>2</sup>	On the job	7,75
10.330.1565	8 cm thickness	m <sup>2</sup>	On the job	9,85
10.330.1566	10 cm thickness	m <sup>2</sup>	On the job	12,00
	<b>50 to 52-kg/m<sup>3</sup> density, non-load bearing, one surface covered with tin foil</b>			
10.330.1571	3 cm thickness	m <sup>2</sup>	On the job	6,80
10.330.1572	5 cm thickness	m <sup>2</sup>	On the job	8,90
10.330.1573	8 cm thickness	m <sup>2</sup>	On the job	12,10
10.330.1574	10 cm thickness	m <sup>2</sup>	On the job	14,20
	<b>50 to 52-kg/m<sup>3</sup> density, non-load bearing, one surface covered with glass tissue</b>			
10.330.1581	3 cm thickness	m <sup>2</sup>	On the job	6,10
10.330.1582	5 cm thickness	m <sup>2</sup>	On the job	8,20
10.330.1583	8 cm thickness	m <sup>2</sup>	On the job	11,40
10.330.1584	10 cm thickness	m <sup>2</sup>	On the job	13,45
	<b>70 kg/m<sup>3</sup> density, non-load bearing</b>			
10.330.1591	2.5 cm thickness	m <sup>2</sup>	On the job	4,55
10.330.1592	4 cm thickness	m <sup>2</sup>	On the job	7,30
10.330.1593	5 cm thickness	m <sup>2</sup>	On the job	9,10
10.330.1594	6 cm thickness	m <sup>2</sup>	On the job	10,90
10.330.1595	8 cm thickness	m <sup>2</sup>	On the job	14,50
10.330.1596	10 cm thickness	m <sup>2</sup>	On the job	18,15



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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>100 kg/m<sup>3</sup> density, non-load bearing</b>			
10.330.1601	2.5 cm thickness	m <sup>2</sup>	On the job	6,10
10.330.1602	4 cm thickness	m <sup>2</sup>	On the job	9,70
10.330.1603	5 cm thickness	m <sup>2</sup>	On the job	12,10
10.330.1604	6 cm thickness	m <sup>2</sup>	On the job	14,50
10.330.1605	7 cm thickness	m <sup>2</sup>	On the job	17,00
10.330.1606	8 cm thickness	m <sup>2</sup>	On the job	19,40
10.330.1607	9 cm thickness	m <sup>2</sup>	On the job	21,85
10.330.1608	10 cm thickness	m <sup>2</sup>	On the job	24,20
	<b>Composite insulation panel with 110 kg/m<sup>3</sup> density, and one side factory-coated with tin foil and 12.5-mm gypsum board</b>			
10.330.1611	with 3-cm thickness rock wool panel	m <sup>2</sup>	On the job	15,15
10.330.1612	with 5-cm thickness rock wool panel	m <sup>2</sup>	On the job	20,45
10.330.1613	with 8-cm thickness rock wool panel	m <sup>2</sup>	On the job	28,05
	Mat: Used for heat, sound and fire insulation in the technique and structure, non-load bearing and with an estimated thermal conductivity ≤ 0.40 W/mK Note: Market Prices of other thicknesses will be interpolated.			
	<b>90 kg/m<sup>3</sup> density, sewn on rabbit wire</b>			
10.330.1701	3 cm thickness	m <sup>2</sup>	On the job	11,40
10.330.1702	4 cm thickness	m <sup>2</sup>	On the job	13,70
10.330.1703	5 cm thickness	m <sup>2</sup>	On the job	17,40
10.330.1704	6 cm thickness	m <sup>2</sup>	On the job	19,70
10.330.1705	8 cm thickness	m <sup>2</sup>	On the job	24,20
10.330.1706	10 cm thickness	m <sup>2</sup>	On the job	28,80
10.330.1707	12 cm thickness	m <sup>2</sup>	On the job	31,80
	<b>125 kg/m<sup>3</sup> density, sewn on rabbit wire</b>			
10.330.1721	3 cm thickness	m <sup>2</sup>	On the job	13,70
10.330.1722	4 cm thickness	m <sup>2</sup>	On the job	17,40
10.330.1723	5 cm thickness	m <sup>2</sup>	On the job	21,25
10.330.1724	6 cm thickness	m <sup>2</sup>	On the job	24,20
10.330.1725	8 cm thickness	m <sup>2</sup>	On the job	28,80
10.330.1726	10 cm thickness	m <sup>2</sup>	On the job	36,40
10.330.1727	12 cm thickness	m <sup>2</sup>	On the job	39,35
	<b>80 kg/m<sup>3</sup> density, sewn on rabbit wire</b>			
10.330.1741	3 cm thickness	m <sup>2</sup>	On the job	9,10
10.330.1742	4 cm thickness	m <sup>2</sup>	On the job	11,40
10.330.1743	5 cm thickness	m <sup>2</sup>	On the job	13,70
10.330.1744	6 cm thickness	m <sup>2</sup>	On the job	15,95
10.330.1745	8 cm thickness	m <sup>2</sup>	On the job	19,70
10.330.1746	10 cm thickness	m <sup>2</sup>	On the job	25,80
10.330.1747	12 cm thickness	m <sup>2</sup>	On the job	28,80
	<b>Mat with 40 kg/m<sup>3</sup> density</b>			
10.330.1761	6 cm thickness	m <sup>2</sup>	On the job	6,10
10.330.1762	8 cm thickness	m <sup>2</sup>	On the job	7,30
10.330.1763	10 cm thickness	m <sup>2</sup>	On the job	8,50
10.330.1764	12 cm thickness	m <sup>2</sup>	On the job	9,70
10.330.1765	14 cm thickness	m <sup>2</sup>	On the job	10,90

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>Mat with 50 kg/m<sup>3</sup> density</b>			
10.330.1781	6 cm thickness	m <sup>2</sup>	On the job	6,95
10.330.1782	8 cm thickness	m <sup>2</sup>	On the job	8,80
10.330.1783	10 cm thickness	m <sup>2</sup>	On the job	10,60
10.330.1784	12 cm thickness	m <sup>2</sup>	On the job	12,40
10.330.1785	14 cm thickness	m <sup>2</sup>	On the job	14,20
	<b>Bulk Rock Wool</b>			
10.330.2000	Bulk rock wool (binder-free)	Kg	On the job	2,55
	<b>EXPANDED POLYSTYRENE (EPS) FOAM BOARDS (TS EN 13163+A2); Fire Class E, Heat conductivity estimation value ≤ 0.040 W/mK</b> Note: Market prices of other densities will be interpolated.			
10.330.2001	15 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	155,00
10.330.2002	20 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	190,00
10.330.2003	30 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	250,00
10.330.2004	35 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	280,00
	<b>Expanded polystyrene foam boards with tensile strength perpendicular to surfaces for external wall heat insulation systems ≥ 100 kPa, Dimensional stability minimum class DS(N) 2, Water absorption in short-term partial submersion ≤ 0.3 kg/m<sup>2</sup>, and class E inflammability</b>			
10.330.2021	16 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	165,00
10.330.2022	20 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	195,00
10.330.2023	30 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	280,00
10.330.2024	35 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	310,00
	<b>Expanded polystyrene foam boards with tensile strength perpendicular to surfaces for external wall heat insulation systems ≥ 300 kPa, Dimensional stability minimum class DS(N) 2, Water absorption in short-term partial submersion ≤ 0.3 kg/m<sup>2</sup>, and class E inflammability</b>			
10.330.2041	16 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	180,00
10.330.2042	20 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	210,00
10.330.2043	30 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	300,00
10.330.2044	35 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	330,00
	<b>Carbon-black - graphite-based, expanded polystyrene (EPS) foam boards with tensile strength perpendicular to surfaces for external wall heat insulation systems ≥ 100 kPa, Dimensional stability minimum class DS(N) 2, Water absorption in short-term partial submersion ≤ 0.3 kg/m<sup>2</sup>, and class E inflammability</b>			
10.330.2061	16 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	190,00
10.330.2062	20 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	240,00
	<b>Carbon-black - graphite-based, expanded polystyrene (EPS) foam boards with tensile strength perpendicular to surfaces for external wall heat insulation systems ≥ 300 kPa, Dimensional stability minimum class DS(N) 2, Water absorption in short-term partial submersion ≤ 0.3 kg/m<sup>2</sup>, and class E inflammability</b>			
10.330.2081	16 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	200,00
10.330.2082	20 kg/m <sup>3</sup>	m <sup>3</sup>	On the job	250,00
	<b>Extruded polystyrene XPS foamboard (TS EN 13164+A1, Fire Class E)</b> Note: Market prices of other densities will be interpolated.			
	<b>1- Boards with rough or rough and grooved surface, density: min. 25 kg/m<sup>3</sup></b>			
	<b>a) 100 kPa pressure strength (1kg/cm<sup>2</sup>)</b>			
10.330.2201	Heat conductivity ≤ 0.030 W/mK	m <sup>3</sup>	On the job	300,00

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.2202	0.030 < heat conductivity ≤ 0.035 W/mK	m <sup>3</sup>	On the job	285,00
10.330.2203	0.035 < heat conductivity ≤ 0.040 W/mK	m <sup>3</sup>	On the job	270,00
	<b>b) 200 kPa pressure strength (2 kg/cm<sup>2</sup>)</b>			
10.330.2221	Heat conductivity ≤ 0.030 W/mK	m <sup>3</sup>	On the job	315,00
10.330.2222	0.030 < heat conductivity ≤ 0.035 W/mK	m <sup>3</sup>	On the job	300,00
10.330.2223	0.035 < heat conductivity ≤ 0.040 W/mK	m <sup>3</sup>	On the job	285,00
	<b>b) 200 kPa pressure strength (2 kg/cm<sup>2</sup>)</b>			
	<b>a) 200 kPa pressure strength (2 kg/cm<sup>2</sup>)</b>			
10.330.2241	Heat conductivity ≤ 0.030 W/mK	m <sup>3</sup>	On the job	315,00
10.330.2242	0.030 < heat conductivity ≤ 0.035 W/mK	m <sup>3</sup>	On the job	295,00
10.330.2243	0.035 < heat conductivity ≤ 0.040 W/mK	m <sup>3</sup>	On the job	275,00
	<b>b) 300 kPa pressure strength (3 kg/cm<sup>2</sup>)</b>			
10.330.2261	Heat conductivity ≤ 0.030 W/mK	m <sup>3</sup>	On the job	325,00
10.330.2262	0.030 < heat conductivity ≤ 0.035 W/mK	m <sup>3</sup>	On the job	310,00
10.330.2263	0.035 < heat conductivity ≤ 0.040 W/mK	m <sup>3</sup>	On the job	295,00
	<b>c) 400 kPa pressure strength (4 kg/cm<sup>2</sup>)</b>			
10.330.2281	Heat conductivity ≤ 0.030 W/mK	m <sup>3</sup>	On the job	345,00
10.330.2282	0.030 < heat conductivity ≤ 0.035 W/mK	m <sup>3</sup>	On the job	330,00
10.330.2283	0.035 < heat conductivity ≤ 0.040 W/mK	m <sup>3</sup>	On the job	315,00
	<b>d) 500 kPa pressure strength (5 kg/cm<sup>2</sup>)</b>			
10.330.2301	Heat conductivity ≤ 0.030 W/mK	m <sup>3</sup>	On the job	365,00
10.330.2302	0.030 < heat conductivity ≤ 0.035 W/mK	m <sup>3</sup>	On the job	355,00
10.330.2303	0.035 < heat conductivity ≤ 0.040 W/mK	m <sup>3</sup>	On the job	335,00
	<b>f) 700 kPa pressure strength (7 kg/cm<sup>2</sup>)</b>			
10.330.2321	Heat conductivity ≤ 0.030 W/mK	m <sup>3</sup>	On the job	490,00
10.330.2322	0.030 < heat conductivity ≤ 0.035 W/mK	m <sup>3</sup>	On the job	470,00
10.330.2323	0.035 < heat conductivity ≤ 0.040 W/mK	m <sup>3</sup>	On the job	460,00
	<b>THERMAL INSULATION DOWELS</b>			
	<b>a) Insulation dowels with steel nail</b>			
10.330.2351	For 9 to 15 cm (including 15 cm)	Qty	On the job	0,58
10.330.2352	For lengths exceeding 15 cm	Qty	On the job	0,63
	<b>b) Insulation dowels with plastic nail</b>			
10.330.2356	For 9 to 15 cm (including 15 cm)	Qty	On the job	0,17
10.330.2357	For lengths exceeding 15 cm	Qty	On the job	0,25
	<b>c) Insulation dowels applied to autoclaved aerated concrete (AAC) surfaces</b>			
10.330.2361	For minimum 15 cm (with clamped plastic screws)	Qty	On the job	0,52
10.330.2362	For minimum 15 cm (with clamped steel screws)	Qty	On the job	0,85
	<b>d) Insulation dowels applied to wooden surfaces</b>			
10.330.2366	For 7 to 15 cm (including 15 cm)	Qty	On the job	0,24
10.330.2367	For lengths exceeding 15 cm	Qty	On the job	0,45
	<b>AUXILIARY JACKETING COMPONENTS</b>			
	<b>Corner Profiles</b>			
10.330.2401	Aluminum Corner Profiles	m	On the job	1,20
10.330.2402	PVC Corner Profile	m	On the job	0,48

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.2403	Aluminum Corner Profiles (Meshed)	m	On the job	1,62
10.330.2404	PVC Corner Profiles (Meshed)	m	On the job	1,14
10.330.2405	Corner Profiles with Aluminum Drip Course	m	On the job	1,44
10.330.2406	Corner Profiles with PVC Drip Course	m	On the job	0,96
10.330.2407	Corner Profiles with Aluminum Drip Course (Meshed)	m	On the job	3,24
10.330.2408	Corner Profiles with PVC Drip Course (Meshed)	m	On the job	1,74
	<b>Plinth Profiles</b>			
10.330.2411	Aluminum (initial) plinth profiles for 3 to 5 cm jacketing	m	On the job	5,22
10.330.2412	Aluminum (initial) plinth profiles for 6 to 10 cm jacketing	m	On the job	6,78
	<b>Window Sill Extension Profiles</b>			
10.330.2416	Aluminum window sill extension profiles	m	On the job	7,80
10.330.2417	PVC window sill extension profiles	m	On the job	3,66
	<b>Mesh Expansion Profiles</b>			
10.330.2421	PVC-based expansion profiles (mesh) for 3 to 5 cm dilatation openings	m	On the job	16,70
10.330.2422	PVC-based expansion profiles (mesh) for 6 to 8 cm dilatation openings	m	On the job	20,70
10.330.2423	PVC-based expansion profiles (mesh) for dilatation openings larger than 8 cm	m	On the job	25,50
	<b>Joinery Finish Profiles</b>			
10.330.2426	Self-adhesive mesh PVC Window and Door Attachment Profiles (Joinery Finish Profile)	m	On the job	4,20
	<b>Plastic Wedge, etc.</b>			
10.330.2431	Plastic Wedges	Qty	On the job	0,28
	<b>THERMAL INSULATION PLATE ADHESIVE, PLASTER, MESH, ETC.</b>			
10.330.2501	Plaster mesh (resistant to 145 to 160 g/m <sup>2</sup> of alkali)	m <sup>2</sup>	On the job	1,85
10.330.2502	Plaster mesh (75 gr/m <sup>2</sup> )	m <sup>2</sup>	On the job	1,25
10.330.2503	Thermal insulation plate adhesive (cement-based, with polymer additive)	Kg	On the job	0,45
10.330.2504	Thermal insulation plate adhesive (Acrylic-based, elastic)	Kg	On the job	1,35
10.330.2505	Thermal insulation plate plaster (cement-based, with polymer additive)	Kg	On the job	0,56
10.330.2506	Thermal insulation plate plaster (Acrylic-based, elastic)	Kg	On the job	1,95
	<b>EPS Boards and Structural Panels Made of Low-Carbon Galvanized Steel Wire (EPS density min. 16 kg/m<sup>3</sup> - Wire Thickness Ø2.8 mm - 3.5 mm - Steel wires shall be spot welded with max. 10 cm spacing in vertical and horizontal axes) (UTO)</b>			
10.330.2551	Panel thickness: 10 cm - EPS thickness: 7.5 cm	m <sup>2</sup>	On the job	85,00
10.330.2552	Panel thickness: 11 cm - EPS thickness: 8.5 cm	m <sup>2</sup>	On the job	90,00
10.330.2553	Panel thickness: 13 cm - EPS thickness: 10.5 cm	m <sup>2</sup>	On the job	95,00
10.330.2554	Panel thickness: 15 cm - EPS thickness: 12.5 cm	m <sup>2</sup>	On the job	100,00
	<b>POLYISOCYANURATE BOARDS</b>			
10.330.2571	Hard Polyisocyanurate (PIR) Foam Boards (Fire Resistance Class C) (TS EN 13165+A2)	m <sup>3</sup>	On the job	1.400,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>INSULATED ROOF AND WALL PANELS</b>			
	<b>Polyurethane (PUR) insulated sandwich roof panels (TS EN 14509) (Fire Reaction Class min. C s3 d2, BROOF-certified exterior fire performance, Polyurethane density min. 38-42 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyurethane coated with min. 5-micron epoxy primer)</b>			
10.330.2601	0.50 + 0.40 + (40 mm filling)	m <sup>2</sup>	On the job	65,00
10.330.2602	0.50 + 0.40 + (50 mm filling)	m <sup>2</sup>	On the job	70,00
10.330.2603	0.50 + 0.40 + (60 mm filling)	m <sup>2</sup>	On the job	81,00
10.330.2604	0.50 + 0.40 + (75 mm filling)	m <sup>2</sup>	On the job	91,00
10.330.2605	0.50 + 0.40 + (80 mm filling)	m <sup>2</sup>	On the job	96,00
10.330.2606	0.50 + 0.40 + (100 mm filling)	m <sup>2</sup>	On the job	106,00
10.330.2607	0.50 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	110,00
10.330.2608	0.50 + 0.50 + (40 mm filling)	m <sup>2</sup>	On the job	78,00
10.330.2609	0.70 + 0.50 + (60 mm filling)	m <sup>2</sup>	On the job	91,00
	<b>Polyurethane (PUR) insulated, hidden fastener sandwich facade panels (TS EN 14509) (Fire Reaction Class min. C s3 d2, Polyurethane density min. 38-42 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyurethane coated with min. 5-micron epoxy primer)</b>			
10.330.2626	0.50 + 0.40 + (40 mm filling)	m <sup>2</sup>	On the job	65,00
10.330.2627	0.50 + 0.40 + (50 mm filling)	m <sup>2</sup>	On the job	70,00
10.330.2628	0.50 + 0.40 + (60 mm filling)	m <sup>2</sup>	On the job	80,00
10.330.2629	0.60 + 0.40 + (75 mm filling)	m <sup>2</sup>	On the job	96,00
10.330.2630	0.60 + 0.40 + (80 mm filling)	m <sup>2</sup>	On the job	97,00
10.330.2631	0.60 + 0.40 + (100 mm filling)	m <sup>2</sup>	On the job	107,00
	<b>Sandwich roof panel with polyurethane insulation and 1.20-mm thickness felt PVC membrane (Fire Reaction Class min. C s3 d2, BROOF-certified exterior fire performance, Polyurethane density min. 38-42 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyurethane coated with min. 5-micron epoxy primer, PVC membrane-reinforced and UV-reinforced)</b>			
10.330.2651	1.20 + 0.60 + (40 mm filling)	m <sup>2</sup>	On the job	98,00
10.330.2652	1.20 + 0.60 + (50 mm filling)	m <sup>2</sup>	On the job	103,00
10.330.2653	1.20 + 0.60 + (60 mm filling)	m <sup>2</sup>	On the job	108,00
10.330.2654	1.20 + 0.60 + (75 mm filling)	m <sup>2</sup>	On the job	115,00
10.330.2655	1.20 + 0.60 + (80 mm filling)	m <sup>2</sup>	On the job	118,00
10.330.2656	1.20 + 0.60 + (100 mm filling)	m <sup>2</sup>	On the job	127,00
	<b>Sandwich roof panel with polyurethane insulation and 1.20-mm thickness felt TPO membrane (Fire Reaction Class min. C s3 d2, BROOF-certified exterior fire performance, Polyurethane density min. 38-42 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyurethane coated with min. 5-micron epoxy primer, TPO membrane-reinforced and UV-reinforced)</b>			
10.330.2676	1.20 + 0.60 + (40 mm filling)	m <sup>2</sup>	On the job	102,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.2677	1.20 + 0.60 + (50 mm filling)	m <sup>2</sup>	On the job	107,00
10.330.2678	1.20 + 0.60 + (60 mm filling)	m <sup>2</sup>	On the job	112,00
10.330.2679	1.20 + 0.60 + (75 mm filling)	m <sup>2</sup>	On the job	118,00
10.330.2680	1.20 + 0.60 + (80 mm filling)	m <sup>2</sup>	On the job	122,00
10.330.2681	1.20 + 0.60 + (100 mm filling)	m <sup>2</sup>	On the job	130,00
	<b>Polyisocyanurate (PIR) insulated sandwich roof panels (TS EN 14509) (Fire Reaction Class min. B s3 d0, BROOF-certified exterior fire performance, Polyisocyanurate density min. 38-42 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyisocyanurate coated with min. 5-micron epoxy primer)</b>			
10.330.2701	0.50 + 0.40 + (40 mm filling)	m <sup>2</sup>	On the job	70,00
10.330.2702	0.50 + 0.40 + (50 mm filling)	m <sup>2</sup>	On the job	76,00
10.330.2703	0.50 + 0.40 + (60 mm filling)	m <sup>2</sup>	On the job	90,00
10.330.2704	0.50 + 0.40 + (75 mm filling)	m <sup>2</sup>	On the job	98,00
10.330.2705	0.50 + 0.40 + (80 mm filling)	m <sup>2</sup>	On the job	103,00
10.330.2706	0.50 + 0.40 + (100 mm filling)	m <sup>2</sup>	On the job	110,00
10.330.2707	0.50 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	115,00
10.330.2708	0.50 + 0.50 + (40 mm filling)	m <sup>2</sup>	On the job	81,00
10.330.2709	0.70 + 0.50 + (60 mm filling)			97,00
	<b>Polyisocyanurate (PIR) insulated, concealed fastener sandwich facade panels (TS EN 14509) (Fire Reaction Class min. B s3 d0, Polyisocyanurate density min. 38-42 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyurethane coated with min. 5-micron epoxy primer)</b>			
10.330.2726	0.50 + 0.40 + (40 mm filling)	m <sup>2</sup>	On the job	71,00
10.330.2727	0.50 + 0.40 + (50 mm filling)	m <sup>2</sup>	On the job	76,00
10.330.2728	0.50 + 0.40 + (60 mm filling)	m <sup>2</sup>	On the job	83,00
10.330.2729	0.60 + 0.40 + (75 mm filling)	m <sup>2</sup>	On the job	96,00
10.330.2730	0.60 + 0.40 + (80 mm filling)	m <sup>2</sup>	On the job	102,00
10.330.2731	0.60 + 0.40 + (100 mm filling)	m <sup>2</sup>	On the job	112,00
	<b>Sandwich roof panel with polyisocyanurate insulation and 1.20-mm thickness felt PVC membrane (Fire Reaction Class min. B s3 d0, BROOF-certified exterior fire performance, Polyisocyanurate density min. 38-42 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyisocyanurate coated with min. 5-micron epoxy primer, PVC membrane-reinforced and UV-resistant)</b>			
10.330.2751	1.20 + 0.60 + (40 mm filling)	m <sup>2</sup>	On the job	108,00
10.330.2752	1.20 + 0.60 + (50 mm filling)	m <sup>2</sup>	On the job	112,00
10.330.2753	1.20 + 0.60 + (60 mm filling)	m <sup>2</sup>	On the job	117,00
10.330.2754	1.20 + 0.60 + (75 mm filling)	m <sup>2</sup>	On the job	125,00
10.330.2755	1.20 + 0.60 + (80 mm filling)	m <sup>2</sup>	On the job	127,00
10.330.2756	1.20 + 0.60 + (100 mm filling)	m <sup>2</sup>	On the job	136,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>Sandwich roof panel with polyisocyanurate insulation and 1.20-mm thickness felt TPO membrane (Fire Reaction Class min. B s3 d0, BROOF-certified exterior fire performance, Polyisocyanurate density min. 38-42 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to polyisocyanurate coated with min. 5-micron epoxy primer, TPO membrane-reinforced and UV-resistant)</b>			
10.330.2776	1.20 + 0.60 + (40 mm filling)	m <sup>2</sup>	On the job	112,00
10.330.2777	1.20 + 0.60 + (50 mm filling)	m <sup>2</sup>	On the job	115,00
10.330.2778	1.20 + 0.60 + (60 mm filling)	m <sup>2</sup>	On the job	120,00
10.330.2779	1.20 + 0.60 + (75 mm filling)	m <sup>2</sup>	On the job	128,00
10.330.2780	1.20 + 0.60 + (80 mm filling)	m <sup>2</sup>	On the job	130,00
10.330.2781	1.20 + 0.60 + (100 mm filling)	m <sup>2</sup>	On the job	140,00
	<b>Polystyrene (EPS) insulated sandwich roof panel (TS EN 14509) (Fire reaction class min. E, exterior fire performance BROOF-certified, EPS density min. 15-20 kg/m<sup>3</sup>, Natural and embossed aluminum panel yield strength min. 140 N/mm<sup>2</sup>)</b>			
10.330.2801	0.70 + 0.50 + (40 mm filling)	m <sup>2</sup>	On the job	86,00
10.330.2802	0.70 + 0.50 + (50 mm filling)	m <sup>2</sup>	On the job	88,00
10.330.2803	0.70 + 0.50 + (60 mm filling)	m <sup>2</sup>	On the job	91,00
10.330.2804	0.70 + 0.50 + (80 mm filling)	m <sup>2</sup>	On the job	93,00
10.330.2805	0.70 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	97,00
10.330.2806	0.50 + 0.50 + (40 mm filling)	m <sup>2</sup>	On the job	77,00
10.330.2807	0.50 + 0.50 + (50 mm filling)	m <sup>2</sup>	On the job	80,00
10.330.2808	0.50 + 0.50 + (60 mm filling)	m <sup>2</sup>	On the job	82,00
10.330.2809	0.50 + 0.50 + (80 mm filling)	m <sup>2</sup>	On the job	86,00
10.330.2810	0.50 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	90,00
	<b>Polystyrene (EPS)-insulated sandwich roof panel (TS EN 14509) (Fire Reaction Class min. E, BROOF-certified exterior fire performance, EPS density min. 15-20 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to EPS coated with min. 5-micron epoxy primer)</b>			
10.330.2826	0.50 + 0.40 + (40 mm filling)	m <sup>2</sup>	On the job	68,00
10.330.2827	0.50 + 0.40 + (50 mm filling)	m <sup>2</sup>	On the job	71,00
10.330.2828	0.50 + 0.40 + (60 mm filling)	m <sup>2</sup>	On the job	73,00
10.330.2829	0.50 + 0.40 + (80 mm filling)	m <sup>2</sup>	On the job	76,00
10.330.2830	0.50 + 0.40 + (100 mm filling)	m <sup>2</sup>	On the job	80,00
10.330.2831	0.50 + 0.50 + (40 mm filling)	m <sup>2</sup>	On the job	71,00
10.330.2832	0.50 + 0.50 + (50 mm filling)	m <sup>2</sup>	On the job	73,00
10.330.2833	0.50 + 0.50 + (60 mm filling)	m <sup>2</sup>	On the job	76,00
10.330.2834	0.50 + 0.50 + (80 mm filling)	m <sup>2</sup>	On the job	80,00
10.330.2835	0.50 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	82,00
10.330.2836	0.70 + 0.50 + (40 mm filling)	m <sup>2</sup>	On the job	80,00
10.330.2837	0.70 + 0.50 + (50 mm filling)	m <sup>2</sup>	On the job	82,00
10.330.2838	0.70 + 0.50 + (60 mm filling)	m <sup>2</sup>	On the job	86,00
10.330.2839	0.70 + 0.50 + (80 mm filling)	m <sup>2</sup>	On the job	90,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.2840	0.70 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	92,00
	<b>Polystyrene (EPS) insulated sandwich roof panel (TS EN 14509) (Fire Reaction Class min. E, BROOF-certified exterior fire performance, EPS density min. 15-20 kg/m<sup>3</sup>, Upper sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to EPS coated with min. 5-micron epoxy primer, lower natural and embossed aluminum plate yield strength min. 140 N/mm<sup>2</sup>)</b>			
10.330.2851	0.50 + 0.40 + (40 mm filling)	m <sup>2</sup>	On the job	71,00
10.330.2852	0.50 + 0.40 + (50 mm filling)	m <sup>2</sup>	On the job	73,00
10.330.2853	0.50 + 0.40 + (60 mm filling)	m <sup>2</sup>	On the job	80,00
10.330.2854	0.50 + 0.40 + (80 mm filling)	m <sup>2</sup>	On the job	78,00
10.330.2855	0.50 + 0.40 + (100 mm filling)	m <sup>2</sup>	On the job	82,00
10.330.2856	0.50 + 0.50 + (40 mm filling)	m <sup>2</sup>	On the job	73,00
10.330.2857	0.50 + 0.50 + (50 mm filling)	m <sup>2</sup>	On the job	76,00
10.330.2858	0.50 + 0.50 + (60 mm filling)	m <sup>2</sup>	On the job	78,00
10.330.2859	0.50 + 0.50 + (80 mm filling)	m <sup>2</sup>	On the job	82,00
10.330.2860	0.50 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	85,00
10.330.2861	0.70 + 0.50 + (40 mm filling)	m <sup>2</sup>	On the job	82,00
10.330.2862	0.70 + 0.50 + (50 mm filling)	m <sup>2</sup>	On the job	85,00
10.330.2863	0.70 + 0.50 + (60 mm filling)	m <sup>2</sup>	On the job	88,00
10.330.2864	0.70 + 0.50 + (80 mm filling)	m <sup>2</sup>	On the job	91,00
10.330.2865	0.70 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	95,00
	<b>Rock wool-insulated sandwich roof panel (TS EN 14509) (Fire Reaction Class A2 s1 d0, BROOF-certified exterior fire performance, Rock wool density min. 100 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer)</b>			
10.330.2901	0.50 + 0.50 + (50 mm filling)	m <sup>2</sup>	On the job	87,00
10.330.2902	0.50 + 0.50 + (60 mm filling)	m <sup>2</sup>	On the job	91,00
10.330.2903	0.50 + 0.50 + (75 mm filling)	m <sup>2</sup>	On the job	96,00
10.330.2904	0.50 + 0.50 + (80 mm filling)	m <sup>2</sup>	On the job	97,00
10.330.2905	0.60 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	103,00
10.330.2906	0.60 + 0.50 + (50 mm filling)	m <sup>2</sup>	On the job	92,00
10.330.2907	0.60 + 0.50 + (60 mm filling)	m <sup>2</sup>	On the job	96,00
10.330.2908	0.60 + 0.50 + (75 mm filling)	m <sup>2</sup>	On the job	101,00
10.330.2909	0.60 + 0.50 + (80 mm filling)	m <sup>2</sup>	On the job	102,00
10.330.2910	0.70 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	108,00
10.330.2911	0.70 + 0.60 + (120 mm filling)	m <sup>2</sup>	On the job	125,00
10.330.2912	0.70 + 0.60 + (150 mm filling)	m <sup>2</sup>	On the job	135,00
	<b>Rock wool-insulated, hidden fastener sandwich facade panels (TS EN 14509) (Fire Reaction Class A2 s1 d0, Rock wool density min. 100 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer)</b>			



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.2926	0.50 + 0.50 + (50 mm filling)	m <sup>2</sup>	On the job	96,00
10.330.2927	0.60 + 0.50 + (60 mm filling)	m <sup>2</sup>	On the job	93,00
10.330.2928	0.60 + 0.50 + (75 mm filling)	m <sup>2</sup>	On the job	98,00
10.330.2929	0.60 + 0.50 + (80 mm filling)	m <sup>2</sup>	On the job	101,00
10.330.2930	0.60 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	106,00
10.330.2931	0.70 + 0.50 + (75 mm filling)	m <sup>2</sup>	On the job	98,00
10.330.2932	0.70 + 0.50 + (80 mm filling)	m <sup>2</sup>	On the job	102,00
10.330.2933	0.70 + 0.50 + (100 mm filling)	m <sup>2</sup>	On the job	107,00
10.330.2934	0.70 + 0.60 + (120 mm filling)	m <sup>2</sup>	On the job	123,00
10.330.2935	0.70 + 0.60 + (150 mm filling)	m <sup>2</sup>	On the job	133,00
	<b>Sandwich roof panel with rock wool insulation and 1.20-mm thickness felt PVC membrane</b> <b>(Fire Reaction Class min. B s1 d0, BROOF-certified exterior fire performance, Rock wool density min. 120 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer, PVC membrane-reinforced and UV-resistant)</b>			
10.330.2951	1.20 + 0.60 + (50 mm filling)			117,00
10.330.2952	1.20 + 0.60 + (60 mm filling)			122,00
10.330.2953	1.20 + 0.60 + (75 mm filling)			128,00
10.330.2954	1.20 + 0.60 + (80 mm filling)			130,00
10.330.2955	1.20 + 0.70 + (100 mm filling)			140,00
	<b>Sandwich roof panel with rock wool insulation and 1.20-mm thickness felt TPO membrane</b> <b>(Fire Reaction Class min. B s1 d0, BROOF-certified exterior fire performance, Rock wool density min. 120 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer, TPO membrane-reinforced and UV-resistant)</b>			
10.330.2961	1.20 + 0.60 + (50 mm filling)	m <sup>2</sup>	On the job	120,00
10.330.2962	1.20 + 0.60 + (60 mm filling)	m <sup>2</sup>	On the job	125,00
10.330.2963	1.20 + 0.60 + (75 mm filling)	m <sup>2</sup>	On the job	131,00
10.330.2964	1.20 + 0.60 + (80 mm filling)	m <sup>2</sup>	On the job	133,00
10.330.2965	1.20 + 0.70 + (100 mm filling)	m <sup>2</sup>	On the job	142,00
	<b>Sandwich roof panel with rock wool insulation and 1.50-mm thickness felt TPO membrane</b> <b>(Fire Reaction Class min. B s1 d0, BROOF-certified exterior fire performance, Rock wool density min. 120 kg/m<sup>3</sup>, Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer, TPO membrane-reinforced and UV-resistant)</b>			
10.330.2971	1.50 + 0.60 + (50 mm filling)	m <sup>2</sup>	On the job	122,00
10.330.2972	1.50 + 0.60 + (60 mm filling)	m <sup>2</sup>	On the job	127,00
10.330.2973	1.50 + 0.60 + (75 mm filling)	m <sup>2</sup>	On the job	133,00
10.330.2974	1.50 + 0.60 + (80 mm filling)	m <sup>2</sup>	On the job	136,00
10.330.2975	1.50 + 0.70 + (100 mm filling)	m <sup>2</sup>	On the job	145,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>Sandwich roof panel with rock wool and polyurethane insulation and 1.20-mm thickness felt PVC membrane (Fire Reaction Class min. B s1 d0, BROOF-certified exterior fire performance, Rock wool density min. 100 kg/m<sup>3</sup>, Polyurethane density min. 40 kg/m<sup>3</sup> Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer, PVC membrane-reinforced and UV-resistant)</b>			
10.330.2981	1.20 + 0.60 + (50 mm rock wool + 25 mm polyurethane filling)	m <sup>2</sup>	On the job	133,00
10.330.2982	1.20 + 0.50 + (75 mm rock wool + 25 mm polyurethane filling)	m <sup>2</sup>	On the job	138,00
	<b>Sandwich roof panel with rock wool and polyurethane insulation and 1.20-mm thickness felt TPO membrane (Fire Reaction Class min. B s1 d0, BROOF-certified exterior fire performance, Rock wool density min. 100 kg/m<sup>3</sup>, Polyurethane density min. 40 kg/m<sup>3</sup> Sheet metal yield strength min. 220 N/mm<sup>2</sup>, Sheet metals galvanized min. 100 gr/m<sup>2</sup>, exterior surfaces 5 coated with 5 microns of epoxy primer and 20 microns of polyester (final coat) paint (by a factory-made painting roll system), surfaces exposed to rock wool coated with min. 5-micron epoxy primer, TPO membrane-reinforced and UV-resistant)</b>			
10.330.2986	1.20 + 0.60 + (50 mm rock wool + 25 mm polyurethane filling)	m <sup>2</sup>	On the job	136,00
10.330.2987	1.20 + 0.50 + (75 mm rock wool + 25 mm polyurethane filling)	m <sup>2</sup>	On the job	141,00
	<b>Roof Exterior Panel Installation Materials, etc.</b>			
10.330.3098	Plastic-based sealing strip (10-mm thick, 30-mm wide)	m	On the job	1,60
10.330.3099	Panel installation screw with EPDM seal	Qty	On the job	0,30
10.330.3100	Panel installation screw with puller screw	Qty	On the job	0,30
	<b>SPRAYED INSULATION AGENTS</b>			
10.330.3101	Two-component, sprayed, hard polyurethane foam (TS EN 14315-1, 2)	Kg	On the job	15,00
10.330.3102	Boron-added, loose-textured cellulose (TS EN 15101-1, 2)	Kg	On the job	4,40
	<b>INSULATION PLASTERS</b>			
10.330.3201	Ready-made rough/fine plaster mortar (T I, W I, CS I) (TS EN 998-1)	m <sup>2</sup>	On the job	820,00
10.330.3202	Ready-made rough/fine plaster mortar (T I, W I, CS II) (TS EN 998-1)	m <sup>2</sup>	On the job	880,00
	<b>AAC Thermal Insulation Panels (TS 13729)</b>			
10.330.3301	AAC thermal insulation panels	m <sup>3</sup>	On the job	290,00
10.330.3302	AAC thermal insulation panel plaster	Kg	On the job	0,75
10.330.3303	AAC thermal insulation panel adhesive	Kg	On the job	0,75
	<b>Wood chip planks (TS 305) (200 x 50 cm)</b>			
10.330.3401	2.5 cm	m <sup>2</sup>	On the job	14,80
10.330.3402	3.5 cm	m <sup>2</sup>	On the job	18,60
10.330.3403	5 cm	m <sup>2</sup>	On the job	23,70
10.330.3404	7.5 cm	m <sup>2</sup>	On the job	29,30
10.330.3405	10 cm	m <sup>2</sup>	On the job	38,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>PRESSED STRAW-FILLED BOARDS (TS EN 13986)</b>			
10.330.3451	40-mm-thickness, pressed straw-filled board covered with cardboard tube	m <sup>2</sup>	On the job	39,00
10.330.3452	60-mm-thickness, pressed straw-filled board covered with cardboard tube	m <sup>2</sup>	On the job	43,00
	<b>SUB-FLOOR MATS, MIN. 30 kg/m<sup>3</sup> DENSITY (polyethylene foam)</b>			
10.330.3501	2 mm thickness	m <sup>2</sup>	On the job	0,50
10.330.3502	3 mm thickness	m <sup>2</sup>	On the job	0,80
10.330.3503	4 mm thickness	m <sup>2</sup>	On the job	1,00
10.330.3504	5 mm thickness	m <sup>2</sup>	On the job	1,30
	<b>FLAT MAT MADE OF POLYETHYLENE FOAM (min. density 90 kg/m<sup>3</sup>) (TS EN 14313) (Market prices of other thicknesses will be interpolated)</b>			
10.330.3521	2 mm thickness	m <sup>2</sup>	On the job	3,00
10.330.3522	5 mm thickness	m <sup>2</sup>	On the job	7,50
10.330.3523	8 mm thickness	m <sup>2</sup>	On the job	12,00
10.330.3524	15 mm thickness	m <sup>2</sup>	On the job	22,50
10.330.3525	30 mm thickness	m <sup>2</sup>	On the job	45,00
	<b>PERFORATED MAT MADE OF POLYETHYLENE FOAM (min. density 90 kg/m<sup>3</sup>) (TS EN 14313) (Market prices of other thicknesses will be interpolated)</b>			
10.330.3541	2 mm thickness	m <sup>2</sup>	On the job	5,00
10.330.3542	2.5 mm thickness	m <sup>2</sup>	On the job	6,50
10.330.3543	5 mm thickness	m <sup>2</sup>	On the job	12,50
	<b>POLYESTER-BASED INSULATION FELT (UTO) (Head conductivity ≤ 0.038 W/mK, Fire class min. C s2d1)</b>			
10.330.3561	7 mm thickness	m <sup>2</sup>	On the job	11,00
10.330.3562	10 mm thickness	m <sup>2</sup>	On the job	16,00
10.330.3563	15 mm thickness	m <sup>2</sup>	On the job	19,00
10.330.3564	20 mm thickness	m <sup>2</sup>	On the job	24,00
	<b>BITUMEN SHEETS (in every size and shape) (Shingle) (TS EN 544)</b>			
10.330.5001	Oxidized bitumen shingles containing minimum 1300 gr/m <sup>2</sup> of bitumen	m <sup>2</sup>	On the job	19,50
10.330.5002	Self-adhesive, oxidized bitumen shingles containing minimum 1300 gr/m <sup>2</sup> of bitumen	m <sup>2</sup>	On the job	21,50
10.330.5003	Oxidized, elastomer-modified, bitumen shingles containing minimum 1300 gr/m <sup>2</sup> of bitumen	m <sup>2</sup>	On the job	17,50
10.330.5004	Self-adhesive, oxidized, elastomer-modified, bitumen shingles containing minimum 1300 gr/m <sup>2</sup> of bitumen	m <sup>2</sup>	On the job	19,50
10.330.5005	Oxidized, plastomer APP-modified, bitumen shingles with glass tissue carriers containing minimum 1300 gr/m <sup>2</sup> of bitumen	m <sup>2</sup>	On the job	17,50
10.330.5006	Self-adhesive, oxidized, plastomer APP-modified, bitumen shingles with glass tissue carriers containing minimum 1300 gr/m <sup>2</sup> of bitumen	m <sup>2</sup>	On the job	19,50

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>POLYMER BITUMEN SHEETS (TS EN 13969, TS EN 13707, Torch-treated)</b>			
	<b>1- Sheets with Plastomer-based Glass Tissue Carriers (Bent at -10°C, Tensile strength min. 300/200 N/5 cm, strain failures 2% longitudinally, 2% transversely)</b>			
10.330.5101	2 mm	m <sup>2</sup>	On the job	6,45
10.330.5102	3 mm.	m <sup>2</sup>	On the job	7,85
10.330.5103	3.3 mm, one surface coated with reflective gray mineral	m <sup>2</sup>	On the job	9,40
10.330.5104	3.3 mm, one surface coated with reflective white mineral	m <sup>2</sup>	On the job	9,70
10.330.5105	3.3 mm, one surface coated with reflective red mineral	m <sup>2</sup>	On the job	9,50
10.330.5106	3.3 mm, one surface coated with reflective green mineral	m <sup>2</sup>	On the job	9,50
10.330.5107	3 mm, one surface coated with metal foil	m <sup>2</sup>	On the job	10,85
	<b>1A- Sheets with Plastomer-based Glass Tissue Carriers (Bent at -10°C, Tensile strength min. 400/300 N/5 cm, strain failures 2% longitudinally, 2% transversely)</b>			
10.330.5111	2 mm	m <sup>2</sup>	On the job	6,85
10.330.5112	3 mm	m <sup>2</sup>	On the job	8,25
10.330.5113	3.3 mm, one surface coated with reflective gray mineral	m <sup>2</sup>	On the job	9,60
10.330.5114	3.3 mm, one surface coated with reflective white mineral	m <sup>2</sup>	On the job	10,05
10.330.5115	3.3 mm, one surface coated with reflective red mineral	m <sup>2</sup>	On the job	10,00
10.330.5116	3.3 mm, one surface coated with reflective green mineral	m <sup>2</sup>	On the job	10,00
10.330.5117	3 mm, one surface coated with metal foil	m <sup>2</sup>	On the job	11,35
	<b>2- Sheets with Plastomer-based Polyester Felt Carriers (Bent at -10°C, Tensile strength min. 800/600 N/5 cm, strain failures 35% longitudinally, 35% transversely)</b>			
10.330.5121	3 mm	m <sup>2</sup>	On the job	9,30
10.330.5122	3.3 mm, one surface coated with reflective gray mineral	m <sup>2</sup>	On the job	11,05
10.330.5123	3.3 mm, one surface coated with reflective white mineral	m <sup>2</sup>	On the job	11,35
10.330.5124	3.3 mm, one surface coated with reflective red mineral	m <sup>2</sup>	On the job	11,20
10.330.5125	3.3 mm, one surface coated with reflective green mineral	m <sup>2</sup>	On the job	11,20
10.330.5126	3 mm, one surface coated with metal foil	m <sup>2</sup>	On the job	12,60
10.330.5127	4 mm	m <sup>2</sup>	On the job	11,05
10.330.5128	4.3 mm, one surface coated with reflective gray mineral	m <sup>2</sup>	On the job	12,60
10.330.5129	4.3 mm, one surface coated with reflective white mineral	m <sup>2</sup>	On the job	12,85
10.330.5130	4.3 mm, one surface coated with reflective red mineral	m <sup>2</sup>	On the job	12,75
10.330.5131	4.3 mm, one surface coated with reflective green mineral	m <sup>2</sup>	On the job	12,75
10.330.5132	4 mm, one surface coated with metal foil	m <sup>2</sup>	On the job	14,25
10.330.5133	4 mm (resistant to plant roots) (Results of tests conducted by accredited laboratories as per TS EN 13948 shall be required.)	m <sup>2</sup>	On the job	19,30
	<b>2A- Sheets with Plastomer-based Polyester Felt Carriers (Bent at -10°C, Tensile strength min. 1000/800 N/5 cm, strain failures 40% longitudinally, 40% transversely)</b>			
10.330.5141	4 mm Viaduct type	m <sup>2</sup>	On the job	14,70
	<b>3- Sheets with Elastomer-based Glass Tissue Carriers (Bent at -20°C, Tensile strength min. 300/200 N/5 cm, strain failures 2% longitudinally, 2% transversely)</b>			
10.330.5151	2 mm	m <sup>2</sup>	On the job	7,45
10.330.5152	3 mm	m <sup>2</sup>	On the job	8,95
10.330.5153	3.3 mm, one surface coated with reflective gray mineral	m <sup>2</sup>	On the job	10,55

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.5154	3.3 mm, one surface coated with reflective white mineral	m <sup>2</sup>	On the job	10,80
10.330.5155	3.3 mm, one surface coated with reflective red mineral	m <sup>2</sup>	On the job	10,65
10.330.5156	3.3 mm, one surface coated with reflective green mineral	m <sup>2</sup>	On the job	10,65
10.330.5157	3 mm, one surface coated with metal foil	m <sup>2</sup>	On the job	12,15
	<b>3A- Sheets with Elastomer-based Glass Tissue Carriers (Bent at -20°C, Tensile strength min. 400/300 N/5 cm, strain failures 2% longitudinally, 2% transversely)</b>			
10.330.5161	2 mm	m <sup>2</sup>	On the job	7,85
10.330.5162	3 mm	m <sup>2</sup>	On the job	9,45
10.330.5163	3.3 mm, one surface coated with reflective gray mineral	m <sup>2</sup>	On the job	11,20
10.330.5164	3.3 mm, one surface coated with reflective white mineral	m <sup>2</sup>	On the job	11,35
10.330.5165	3.3 mm, one surface coated with reflective red mineral	m <sup>2</sup>	On the job	11,20
10.330.5166	3.3 mm, one surface coated with reflective green mineral	m <sup>2</sup>	On the job	11,20
10.330.5167	3 mm, one surface coated with metal foil	m <sup>2</sup>	On the job	12,60
	<b>4- Sheets with Elastomer-based Polyester Felt Carriers (Bent at -20°C, Tensile strength min. 800/600 N/5 cm, strain failures 35% longitudinally, 35% transversely)</b>			
10.330.5171	3 mm	m <sup>2</sup>	On the job	11,15
10.330.5172	3.3 mm, one surface coated with reflective gray mineral	m <sup>2</sup>	On the job	12,80
10.330.5173	3.3 mm, one surface coated with reflective white mineral	m <sup>2</sup>	On the job	13,25
10.330.5174	3.3 mm, one surface coated with reflective red mineral	m <sup>2</sup>	On the job	13,05
10.330.5175	3.3 mm, one surface coated with reflective green mineral	m <sup>2</sup>	On the job	13,05
10.330.5176	3 mm, one surface coated with metal foil	m <sup>2</sup>	On the job	16,15
10.330.5177	4 mm	m <sup>2</sup>	On the job	13,05
10.330.5178	4.3 mm, one surface coated with reflective gray mineral	m <sup>2</sup>	On the job	14,70
10.330.5179	4.3 mm, one surface coated with reflective white mineral	m <sup>2</sup>	On the job	15,05
10.330.5180	4.3 mm, one surface coated with reflective red mineral	m <sup>2</sup>	On the job	14,95
10.330.5181	4.3 mm, one surface coated with reflective green mineral	m <sup>2</sup>	On the job	14,95
10.330.5182	4 mm, one surface coated with metal foil	m <sup>2</sup>	On the job	16,40
10.330.5183	4 mm (resistant to plant roots) (Results of tests conducted by accredited laboratories as per TS EN 13948 shall be required.)			21,80
	<b>5- Sheets with Plastomer-based Glass Tissue Carriers (Bent at -5°C, Tensile strength min. 300/200 N/5 cm, strain failures 2% longitudinally, 2% transversely)</b>			
10.330.5191	2 mm	m <sup>2</sup>	On the job	6,00
10.330.5192	3 mm	m <sup>2</sup>	On the job	7,40
10.330.5193	3.3 mm, one surface coated with reflective gray mineral	m <sup>2</sup>	On the job	8,90
10.330.5194	3.3 mm, one surface coated with reflective white mineral	m <sup>2</sup>	On the job	9,20
10.330.5195	3.3 mm, one surface coated with reflective red mineral	m <sup>2</sup>	On the job	9,05
10.330.5196	3.3 mm, one surface coated with reflective green mineral	m <sup>2</sup>	On the job	9,05
	<b>6- Sheets with Plastomer-based Polyester Felt carriers (Bent at -5°C, Tensile strength min. 600/400 N/5 cm, strain failures 30% longitudinally, 30% transversely)</b>			
10.330.5201	3 mm	m <sup>2</sup>	On the job	8,75
10.330.5202	3.3 mm, one surface coated with reflective gray mineral	m <sup>2</sup>	On the job	10,40
10.330.5203	3.3 mm, one surface coated with reflective white mineral	m <sup>2</sup>	On the job	10,55
10.330.5204	3.3 mm, one surface coated with reflective red mineral	m <sup>2</sup>	On the job	10,40
10.330.5205	3.3 mm, one surface coated with reflective green mineral	m <sup>2</sup>	On the job	10,40

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.5206	4 mm	m <sup>2</sup>	On the job	10,40
10.330.5207	4.3 mm, one surface coated with reflective gray mineral	m <sup>2</sup>	On the job	11,90
10.330.5208	4.3 mm, one surface coated with reflective white mineral	m <sup>2</sup>	On the job	12,20
10.330.5209	4.3 mm, one surface coated with reflective red mineral	m <sup>2</sup>	On the job	12,20
10.330.5210	4.3 mm, one surface coated with reflective green mineral	m <sup>2</sup>	On the job	12,20
	<b>7- Liquid Primers and Protective Agents</b>			
10.330.5291	Bitumen emulsion (TS 113)	Kg	On the job	2,65
10.330.5292	Bitumen solution	Kg	On the job	4,90
10.330.5293	Elastomeric bitumen solution	Kg	On the job	5,50
10.330.5294	Reflective bitumen solution	Kg	On the job	10,00
10.330.5295	Elastomeric bitumen	Kg	On the job	5,20
	<b>MECHANICAL FITTINGS (SCREWS) FOR WATER INSULATION</b>			
	<b>a) metal head and metal threads</b>			
10.330.5301	4.8 x 70 mm	Qty	On the job	0,17
10.330.5302	4.8 x 90 mm	Qty	On the job	0,23
10.330.5303	4.8 x 110 mm	Qty	On the job	0,28
	<b>b) plastic head and metal threads</b>			
10.330.5306	4.8 x 70 mm	Qty	On the job	0,28
10.330.5307	4.8 x 90 mm	Qty	On the job	0,32
10.330.5308	4.8 x 110 mm	Qty	On the job	0,38
	<b>ASPHALT (Used for roofing) (TS 105)</b>			
10.330.5401	Type 1 (Softening point: 57 - 66)	Kg	On the job	0,96
10.330.5402	Type 2 (Softening point: 70 - 80)	Kg	On the job	0,96
10.330.5403	Type 3 (Softening point: 85 - 96)	Kg	On the job	0,96
10.330.5404	Type 4 (Softening point: 99 - 107)	Kg	On the job	0,96
	<b>ASPHALT CEMENTS AND LIQUID PETROLEUM ASPHALT</b>			
10.330.5421	Asphalt cement (Penetration asphalt) (Izmit)	Kg	Refinery	1,69
10.330.5422	Asphalt cement (Penetration asphalt) (Kırıkkale)	Kg	Refinery	1,71
10.330.5423	Asphalt cement (Penetration asphalt) (Batman)	Kg	Refinery	1,71
10.330.5424	Asphalt cement (Penetration asphalt) (Izmir)	Kg	Refinery	1,69
10.330.5425	MC-30 (Medium-setting)	Kg	Refinery	3,26
10.330.5426	MC-800 (Medium-setting)	Kg	Refinery	2,78
	<b>ASPHALT EMULSIONS USED FOR ROAD PAVEMENT (TS 1082, TS EN 13808)</b>			
10.330.5441	Cationic Asphalt Emulsion (Type CRS-1)	Kg	Factory	1,50
10.330.5442	Cationic Asphalt Emulsion (Type CRS-2)	Kg	Factory	1,75
10.330.5443	Cationic Asphalt Emulsion (Type CMS-2)	Kg	Factory	1,85
10.330.5444	Cationic Asphalt Emulsion (Type CSS-1)	Kg	Factory	1,88
10.330.5445	Anionic Asphalt Emulsion (Type RS-1)	Kg	Factory	1,46
10.330.5446	Anionic Asphalt Emulsion (Type SS-1)	Kg	Factory	1,55
	<b>MASTIC ASPHALT</b>			
10.330.5451	Mastic Asphalt (TS 112 EN 12970)	Kg	On the job	3,36

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>VARIOUS WATER AND STEAM INSULATION MATERIALS</b>			
10.330.5491	Canvas	m <sup>2</sup>	On the job	0,87
10.330.5492	Tarred rope (Ø12 mm)	m <sup>2</sup>	On the job	0,94
10.330.5493	Bitumen cardboard (TS EN 13859-1) (Type 1)	m <sup>2</sup>	On the job	0,54
10.330.5494	Minimum 1-mm thickness, non-laminated polymer bitumen cover with glass tissue, coated with polyethylene film on both surfaces, for use under sloped roofing materials (TS EN 13859-1)	m <sup>2</sup>	On the job	6,00
10.330.5495	Bitumen cardboard (TS EN 13859-1) (Type 3)	m <sup>2</sup>	On the job	0,58
10.330.5496	Minimum 0.60-mm thickness, non-laminated polymer bitumen cover with polyester felt carriers, coated with polyethylene film on both surfaces, for use under sloped roofing materials (TS EN 13859-1)	m <sup>2</sup>	On the job	7,20
10.330.5497	Sub-roof water insulation board with bitumen-impregnated organic fiber (TS EN 14964)	m <sup>2</sup>	On the job	12,80
10.330.5498	Water insulation cover permeable to water vapor TS EN 13859-1, 2 (waterproofing class WI)	m <sup>2</sup>	On the job	4,60
	<b>GEOTEXTILE FELTS</b>			
10.330.6001	100 gr/m <sup>2</sup>	m <sup>2</sup>	On the job	0,80
10.330.6002	150 gr/m <sup>2</sup>	m <sup>2</sup>	On the job	0,90
10.330.6003	200 gr/m <sup>2</sup>	m <sup>2</sup>	On the job	1,20
10.330.6004	250 gr/m <sup>2</sup>	m <sup>2</sup>	On the job	1,40
10.330.6005	300 gr/m <sup>2</sup>	m <sup>2</sup>	On the job	1,75
10.330.6006	400 gr/m <sup>2</sup>	m <sup>2</sup>	On the job	2,25
10.330.6007	500 gr/m <sup>2</sup>	m <sup>2</sup>	On the job	2,80
	Note: Where other measurable properties than weight is sought in the project specifications, this item shall not apply.			
	<b>GEOMEMBRANES (TS EN 13956, TS EN 13967) (Prices of other thicknesses shall be interpolated)</b>			
	<b>1- PVC-based, Flat type/with Signal layer</b>			
10.330.6011	1 mm thickness	m <sup>2</sup>	On the job	9,15
10.330.6012	1.5 mm thickness	m <sup>2</sup>	On the job	13,85
10.330.6013	2 mm thickness	m <sup>2</sup>	On the job	18,45
10.330.6014	2.5 mm thickness	m <sup>2</sup>	On the job	23,00
	<b>2- PVC-based, UV-resistant, Reinforced (Fiberglass or polyester)</b>			
10.330.6021	1 mm thickness	m <sup>2</sup>	On the job	10,15
10.330.6022	1.5 mm thickness	m <sup>2</sup>	On the job	15,15
10.330.6023	2 mm thickness	m <sup>2</sup>	On the job	20,25
10.330.6024	2.5 mm thickness	m <sup>2</sup>	On the job	25,25
	<b>3- HDPE-based, Flat type/with Signal layer</b>			
10.330.6031	1 mm thickness	m <sup>2</sup>	On the job	7,45
10.330.6032	1.5 mm thickness	m <sup>2</sup>	On the job	11,15
10.330.6033	2 mm thickness	m <sup>2</sup>	On the job	14,85
10.330.6034	2.5 mm thickness	m <sup>2</sup>	On the job	18,60
	<b>4- HDPE-based, UV-resistant, Reinforced (Fiberglass or polyester)</b>			
10.330.6041	1 mm thickness	m <sup>2</sup>	On the job	8,40
10.330.6042	1.5 mm thickness	m <sup>2</sup>	On the job	12,60

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.6043	2 mm thickness	m <sup>2</sup>	On the job	16,80
10.330.6044	2.5 mm thickness	m <sup>2</sup>	On the job	20,90
	<b>5- LDPE-based, Flat type/with Signal layer</b>			
10.330.6051	1 mm thickness	m <sup>2</sup>	On the job	7,45
10.330.6052	1.5 mm thickness	m <sup>2</sup>	On the job	11,15
10.330.6053	2 mm thickness	m <sup>2</sup>	On the job	14,85
10.330.6054	2.5 mm thickness	m <sup>2</sup>	On the job	18,60
	<b>7- EPDM-based, Flat type/with Signal layer</b>			
10.330.6061	1 mm thickness	m <sup>2</sup>	On the job	19,50
10.330.6062	1.5 mm thickness	m <sup>2</sup>	On the job	29,35
10.330.6063	2 mm thickness	m <sup>2</sup>	On the job	39,45
10.330.6064	2.5 mm thickness	m <sup>2</sup>	On the job	48,65
	<b>9- TPO-based, UV-resistant, Reinforced (Fiberglass or polyester)</b>			
10.330.6071	1 mm thickness	m <sup>2</sup>	On the job	13,40
10.330.6072	1.5 mm thickness	m <sup>2</sup>	On the job	20,00
10.330.6073	2 mm thickness	m <sup>2</sup>	On the job	26,60
10.330.6074	2.5 mm thickness	m <sup>2</sup>	On the job	33,10
	<b>10- Thermoplastic EPDM-based, Flat type</b>			
10.330.6081	1 mm thickness	m <sup>2</sup>	On the job	16,20
10.330.6082	1.5 mm thickness	m <sup>2</sup>	On the job	24,45
10.330.6083	2 mm thickness	m <sup>2</sup>	On the job	32,45
10.330.6084	2.5 mm thickness	m <sup>2</sup>	On the job	40,80
	<b>11- HDPE-based, Cross T-Grip</b>			
10.330.6091	1.5 mm thickness	m <sup>2</sup>	On the job	14,45
10.330.6092	2 mm thickness	m <sup>2</sup>	On the job	19,25
10.330.6093	2.5 mm thickness	m <sup>2</sup>	On the job	24,00
	<b>RUBBER DILATATION EXPANSION (RUBBER SEALS) USED FOR CONCRETE WORKS (TS 2810)</b>			
10.330.6201	Class I	Kg	On the job	13,50
10.330.6202	Class II	Kg	On the job	9,50
10.330.6203	Class III	Kg	On the job	8,25
	<b>PVC PLASTIC EXPANSION MATERIALS (PLASTIC SEALS) USED FOR CONCRETE WORKS (TS 3078)</b>			
10.330.6211	Normal seals (n)	Kg	On the job	8,50
10.330.6212	Special parts (z)	Kg	On the job	9,50
10.330.6213	Different types of seals	Kg	On the job	9,00
	<b>HDPE Boards (TS 6905 EN ISO 14632) (Any color) (with/without UV resistance) (Prices of other thicknesses shall be interpolated)</b>			
10.330.6301	2 mm thickness	m <sup>2</sup>	On the job	19,50
10.330.6302	3 mm thickness	m <sup>2</sup>	On the job	29,00
10.330.6303	4 mm thickness	m <sup>2</sup>	On the job	39,00
10.330.6304	5 mm thickness	m <sup>2</sup>	On the job	49,00
10.330.6305	10 mm thickness	m <sup>2</sup>	On the job	98,00
10.330.6306	20 mm thickness	m <sup>2</sup>	On the job	190,00



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.330.6307	30 mm thickness	m <sup>2</sup>	On the job	294,00
10.330.6308	HDPE Welding Rod	Kg	On the job	12,50
	<b>PP Boards (TS EN ISO 15013) (Any color) (with/without UV resistance) (Prices of other thicknesses shall be interpolated)</b>			
10.330.6321	2 mm thickness	m <sup>2</sup>	On the job	18,50
10.330.6322	3 mm thickness	m <sup>2</sup>	On the job	27,00
10.330.6323	4 mm thickness	m <sup>2</sup>	On the job	37,00
10.330.6324	5 mm thickness	m <sup>2</sup>	On the job	47,00
10.330.6325	10 mm thickness	m <sup>2</sup>	On the job	95,00
10.330.6326	20 mm thickness	m <sup>2</sup>	On the job	189,00
10.330.6327	30 mm thickness	m <sup>2</sup>	On the job	284,00
10.330.6328	PP Welding Rod	Kg	On the job	12,20
	<b>HDPE-BASED DRAINAGE AND PROTECTION BOARDS</b>			
10.330.6401	150 ≤ Pressure Resistance < 200 kN/m <sup>2</sup>	m <sup>2</sup>	On the job	2,75
10.330.6402	200 ≤ Pressure Resistance < 250 kN/m <sup>2</sup>	m <sup>2</sup>	On the job	3,50
10.330.6403	250 ≤ Pressure Resistance < 350 kN/m <sup>2</sup>	m <sup>2</sup>	On the job	4,70
10.330.6404	350 ≤ Pressure Resistance < 450 kN/m <sup>2</sup>	m <sup>2</sup>	On the job	8,50
10.330.6405	450 ≤ Pressure Resistance < 550 kN/m <sup>2</sup>	m <sup>2</sup>	On the job	10,20
	<b>HDPE-BASED GEOCOMPOSITE DRAINAGE AND PROTECTION BOARDS (TS EN 13252)</b>			
10.330.6421	150 ≤ Pressure Resistance < 200 kN/m <sup>2</sup>	m <sup>2</sup>	On the job	5,05
10.330.6422	200 ≤ Pressure Resistance < 250 kN/m <sup>2</sup>	m <sup>2</sup>	On the job	6,80
10.330.6423	250 ≤ Pressure Resistance < 350 kN/m <sup>2</sup>	m <sup>2</sup>	On the job	8,50
10.330.6424	350 ≤ Pressure Resistance < 450 kN/m <sup>2</sup>	m <sup>2</sup>	On the job	12,80
10.330.6425	450 ≤ Pressure Resistance < 550 kN/m <sup>2</sup>	m <sup>2</sup>	On the job	14,50
	<b>SELF-ADHESIVE ANCHOR PLATE STEEL STUD SCEW</b>			
10.330.6441	4 cm long	Qty	On the job	0,16
10.330.6442	6 cm long	Qty	On the job	0,19
10.330.6443	10 cm long	Qty	On the job	0,21
	<b>GLASS AND SIMILAR OTHER SUPPLIES</b>			
	<b>1- Colorless Glass Sheets (TS EN 572-2)</b>			
10.380.1001	For 2.2 mm thickness	m <sup>2</sup>	On the job	15,21
10.380.1002	3 mm thickness	m <sup>2</sup>	On the job	15,01
10.380.1003	4 mm thickness	m <sup>2</sup>	On the job	18,01
10.380.1004	5 mm thickness	m <sup>2</sup>	On the job	22,42
10.380.1005	6 mm thickness	m <sup>2</sup>	On the job	25,89
10.380.1006	8 mm thickness	m <sup>2</sup>	On the job	35,91
10.380.1007	10 mm thickness	m <sup>2</sup>	On the job	43,24
	<b>2- Smoke-gray Glass Sheets (TS EN 572-2)</b>			
10.380.1011	3 mm thickness	m <sup>2</sup>	On the job	19,40
10.380.1012	4 mm thickness	m <sup>2</sup>	On the job	24,32
10.380.1013	5 mm thickness	m <sup>2</sup>	On the job	32,30
10.380.1014	6 mm thickness	m <sup>2</sup>	On the job	34,34
10.380.1015	8 mm thickness	m <sup>2</sup>	On the job	48,74
10.380.1016	10 mm thickness	m <sup>2</sup>	On the job	61,93

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>3- Bronze-colored Glass Sheets (TS EN 572-2)</b>			
10.380.1021	4 mm thickness	m <sup>2</sup>	On the job	24,32
10.380.1022	5 mm thickness	m <sup>2</sup>	On the job	32,30
10.380.1023	6 mm thickness	m <sup>2</sup>	On the job	34,34
10.380.1024	8 mm thickness	m <sup>2</sup>	On the job	48,74
10.380.1025	10 mm thickness	m <sup>2</sup>	On the job	61,93
	<b>4- Blue Glass Sheets (TS EN 572-2)</b>			
10.380.1031	4 mm thickness	m <sup>2</sup>	On the job	25,09
10.380.1032	6 mm thickness	m <sup>2</sup>	On the job	37,74
10.380.1033	8 mm thickness	m <sup>2</sup>	On the job	54,50
	<b>5- Green Glass Sheets (TS EN 572-2)</b>			
10.380.1041	3 mm thickness	m <sup>2</sup>	On the job	19,40
10.380.1042	4 mm thickness	m <sup>2</sup>	On the job	24,32
10.380.1043	5 mm thickness	m <sup>2</sup>	On the job	32,30
10.380.1044	6 mm thickness	m <sup>2</sup>	On the job	36,51
10.380.1045	8 mm thickness	m <sup>2</sup>	On the job	52,41
10.380.1046	10 mm thickness	m <sup>2</sup>	On the job	65,89
	<b>6- Sandblasted Glass Sheets (TS EN 572-2)</b>			
10.380.1051	4 mm thickness	m <sup>2</sup>	On the job	25,00
10.380.1052	6 mm thickness	m <sup>2</sup>	On the job	35,50
10.380.1053	8 mm thickness	m <sup>2</sup>	On the job	53,50
	<b>7- Low-iron Glass Sheets (TS EN 572-2)</b>			
10.380.1061	4 mm thickness	m <sup>2</sup>	On the job	29,76
10.380.1062	5 mm thickness	m <sup>2</sup>	On the job	39,46
10.380.1063	6 mm thickness	m <sup>2</sup>	On the job	44,23
10.380.1064	8 mm thickness	m <sup>2</sup>	On the job	60,22
10.380.1065	10 mm thickness	m <sup>2</sup>	On the job	77,46
10.380.1066	12 mm thickness	m <sup>2</sup>	On the job	100,58
	<b>8- Reflective Solar Control Glasses (TS EN 1096-1, 2, 3, 4)</b>			
10.380.1071	4 mm thickness	m <sup>2</sup>	On the job	43,12
10.380.1072	6 mm thickness	m <sup>2</sup>	On the job	56,55
10.380.1073	8 mm thickness	m <sup>2</sup>	On the job	77,85
	<b>MIRRORS</b>			
	<b>1- Colorless Mirrors (TS EN 1036-1, 2)</b>			
10.380.1201	3 mm thickness	m <sup>2</sup>	On the job	24,51
10.380.1202	4 mm thickness	m <sup>2</sup>	On the job	28,39
10.380.1203	5 mm thickness	m <sup>2</sup>	On the job	35,00
10.380.1204	6 mm thickness	m <sup>2</sup>	On the job	39,14
	<b>2- Smoke-gray Mirrors (TS EN 1036-1, 2)</b>			
10.380.1211	4 mm thickness	m <sup>2</sup>	On the job	33,98
10.380.1212	5 mm thickness	m <sup>2</sup>	On the job	45,15
10.380.1213	6 mm thickness	m <sup>2</sup>	On the job	48,18
	<b>3- Bronze-colored Mirrors (TS EN 1036-1, 2)</b>			
10.380.1221	4 mm thickness	m <sup>2</sup>	On the job	33,98
10.380.1222	5 mm thickness	m <sup>2</sup>	On the job	45,15
10.380.1223	6 mm thickness	m <sup>2</sup>	On the job	48,18
	<b>FROSTED GLASSES</b>			

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>1- Colorless Frosted Glass Sheets (TS EN 572-5)</b>			
10.380.1301	4 mm thickness	m <sup>2</sup>	On the job	14,72
	<b>2- Colored, Frosted Glass Sheets (TS EN 572-5)</b>			
10.380.1311	4 mm thickness	m <sup>2</sup>	On the job	20,00
	<b>3- Colorless, Wired, Frosted Glass Sheets (TS EN 572-6)</b>			
10.380.1321	6 mm thickness	m <sup>2</sup>	On the job	48,97
	<b>LAMINATED GLASSES</b>			
	<b>1- Colorless, Clear, 0.38-PVB Laminated Glasses (TS EN ISO 12543-1)</b>			
10.380.1401	3+3 mm thickness	m <sup>2</sup>	On the job	50,16
10.380.1402	4+4 mm thickness	m <sup>2</sup>	On the job	55,31
10.380.1403	5+5 mm thickness	m <sup>2</sup>	On the job	66,24
10.380.1404	6+6 mm thickness	m <sup>2</sup>	On the job	83,05
	<b>2- Colorless, Clear, 0.76-PVB Laminated Glasses (TS EN ISO 12543-1)</b>			
10.380.1411	3+3 mm thickness	m <sup>2</sup>	On the job	62,63
10.380.1412	4+4 mm thickness	m <sup>2</sup>	On the job	66,99
10.380.1413	5+5 mm thickness	m <sup>2</sup>	On the job	78,07
10.380.1414	6+6 mm thickness	m <sup>2</sup>	On the job	94,17
10.380.1415	8+8 mm thickness	m <sup>2</sup>	On the job	121,64
10.380.1416	10 + 10 mm thickness	m <sup>2</sup>	On the job	145,22
	<b>3- Colorless, Opaque, 0.38-PVB Laminated Glasses (TS EN ISO 12543-1)</b>			
10.380.1421	3+3 mm thickness	m <sup>2</sup>	On the job	58,50
10.380.1422	4+4 mm thickness	m <sup>2</sup>	On the job	62,50
10.380.1423	5+5 mm thickness	m <sup>2</sup>	On the job	72,15
10.380.1424	6+6 mm thickness	m <sup>2</sup>	On the job	94,35
	<b>4- Colorless, Opaque, 0.76-PVB Laminated Glasses (TS EN ISO 12543-1)</b>			
10.380.1431	3+3 mm thickness	m <sup>2</sup>	On the job	83,86
10.380.1432	4+4 mm thickness	m <sup>2</sup>	On the job	86,28
10.380.1433	5+5 mm thickness	m <sup>2</sup>	On the job	96,12
10.380.1434	6+6 mm thickness	m <sup>2</sup>	On the job	119,34
	<b>5- Colorless, Clear, Acoustic, 0.76-PVB, Laminated Glasses (TS EN ISO 12543-1)</b>			
10.380.1441	3+3 mm thickness	m <sup>2</sup>	On the job	87,64
10.380.1442	4+4 mm thickness	m <sup>2</sup>	On the job	92,14
10.380.1443	5+5 mm thickness	m <sup>2</sup>	On the job	101,26
10.380.1444	6+6 mm thickness	m <sup>2</sup>	On the job	115,26
	<b>6- Colorless, Clear, 0.38-PVB Low-iron, Laminated Glasses (TS EN ISO 12543-1)</b>			
10.380.1451	4 + 4 mm thickness	m <sup>2</sup>	On the job	85,76

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>INSULATION GLASSES</b> (TS 3539-1 EN 1279-1, TS 3539-2 EN 1279-2, TS 3539-3 EN 1279-3 TS 3539-4 EN 1279-4, TS 3539-6 EN 1279-6) (Air (Dry) Filled) Note: If insulation glasses are filled with argon gas, the unit price shall be added TRY 5 for 9-mm spacing, TRY 6 for 12-mm spacing, and TRY 7 for 16-mm spacing.			
	<b>9-mm spacing, molded</b>			
10.380.1501	3+3 mm thickness	m <sup>2</sup>	On the job	53,00
10.380.1502	4+4 mm thickness	m <sup>2</sup>	On the job	61,00
10.380.1503	5+5 mm thickness	m <sup>2</sup>	On the job	76,00
10.380.1504	6+6 mm thickness	m <sup>2</sup>	On the job	84,00
	<b>12-mm spacing, molded</b>			
10.380.1511	3+3 mm thickness	m <sup>2</sup>	On the job	60,00
10.380.1512	4+4 mm thickness	m <sup>2</sup>	On the job	70,00
10.380.1513	5+5 mm thickness	m <sup>2</sup>	On the job	84,00
10.380.1514	6+6 mm thickness	m <sup>2</sup>	On the job	93,00
	<b>16-mm spacing, molded</b>			
10.380.1521	3+3 mm thickness	m <sup>2</sup>	On the job	72,00
10.380.1522	4+4 mm thickness	m <sup>2</sup>	On the job	81,00
10.380.1523	5+5 mm thickness	m <sup>2</sup>	On the job	95,00
10.380.1524	6+6 mm thickness	m <sup>2</sup>	On the job	105,00
	<b>9-mm spacing, molded (the first glass coated with thermal control layer)</b>			
10.380.1531	4+4 mm thickness	m <sup>2</sup>	On the job	71,00
10.380.1532	4+5 mm thickness	m <sup>2</sup>	On the job	79,00
10.380.1533	4+6 mm thickness	m <sup>2</sup>	On the job	84,00
10.380.1534	6+6 mm thickness	m <sup>2</sup>	On the job	98,00
10.380.1535	6+4 mm thickness	m <sup>2</sup>	On the job	84,00
	<b>12-mm spacing, molded (the first glass coated with thermal control layer)</b>			
10.380.1541	4+4 mm thickness	m <sup>2</sup>	On the job	82,00
10.380.1542	4+5 mm thickness	m <sup>2</sup>	On the job	91,00
10.380.1543	4+6 mm thickness	m <sup>2</sup>	On the job	93,00
10.380.1544	6+6 mm thickness	m <sup>2</sup>	On the job	107,00
10.380.1545	6+4 mm thickness	m <sup>2</sup>	On the job	93,00
	<b>16-mm spacing, molded (the first glass coated with thermal control layer)</b>			
10.380.1551	4+4 mm thickness	m <sup>2</sup>	On the job	84,00
10.380.1552	4+5 mm thickness	m <sup>2</sup>	On the job	91,00
10.380.1553	4+6 mm thickness	m <sup>2</sup>	On the job	98,00
10.380.1554	6+6 mm thickness	m <sup>2</sup>	On the job	110,00
10.380.1555	6+4 mm thickness	m <sup>2</sup>	On the job	98,00
	<b>9-mm spacing, molded (first glass coated with solar and thermal control layer)</b>			
10.380.1561	4+4 mm thickness	m <sup>2</sup>	On the job	83,00
10.380.1562	4+5 mm thickness	m <sup>2</sup>	On the job	95,00
10.380.1563	4+6 mm thickness	m <sup>2</sup>	On the job	98,00
10.380.1564	6+4 mm thickness	m <sup>2</sup>	On the job	98,00
10.380.1565	6+5 mm thickness	m <sup>2</sup>	On the job	105,00
10.380.1566	6+6 mm thickness	m <sup>2</sup>	On the job	111,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>12-mm spacing, molded (first glass coated with solar and thermal control layer)</b>			
10.380.1571	4+4 mm thickness	m <sup>2</sup>	On the job	96,00
10.380.1572	4+5 mm thickness	m <sup>2</sup>	On the job	103,00
10.380.1573	4+6 mm thickness	m <sup>2</sup>	On the job	105,00
10.380.1574	6+4 mm thickness	m <sup>2</sup>	On the job	105,00
10.380.1575	6+5 mm thickness	m <sup>2</sup>	On the job	113,00
10.380.1576	6+6 mm thickness	m <sup>2</sup>	On the job	120,00
	<b>16-mm spacing, molded (first glass coated with solar and thermal control layer)</b>			
10.380.1581	4+4 mm thickness	m <sup>2</sup>	On the job	100,00
10.380.1582	4+5 mm thickness	m <sup>2</sup>	On the job	115,00
10.380.1583	4+6 mm thickness	m <sup>2</sup>	On the job	111,00
10.380.1584	6+4 mm thickness	m <sup>2</sup>	On the job	111,00
10.380.1585	6+5 mm thickness	m <sup>2</sup>	On the job	120,00
10.380.1586	6+6 mm thickness	m <sup>2</sup>	On the job	125,00
	<b>12-mm spacing, molded (the outer glass shall be a tempered reflective solar control glass, and the inner glass shall be a plain glass)</b>			
10.380.1591	6+4 mm thickness	m <sup>2</sup>	On the job	128,00
10.380.1592	6+5 mm thickness	m <sup>2</sup>	On the job	140,00
10.380.1593	6+6 mm thickness	m <sup>2</sup>	On the job	147,00
	<b>16-mm spacing, molded (the outer glass shall be a tempered reflective solar control glass, and the inner glass shall be a plain glass)</b>			
10.380.1601	6+4 mm thickness	m <sup>2</sup>	On the job	131,00
10.380.1602	6+5 mm thickness	m <sup>2</sup>	On the job	140,00
10.380.1603	6+6 mm thickness	m <sup>2</sup>	On the job	147,00
10.380.1604	8+8 mm thickness	m <sup>2</sup>	On the job	185,00
10.380.1605	8+6 mm thickness	m <sup>2</sup>	On the job	175,00
	<b>12-mm spacing, molded (the outer glass shall be a tempered reflective solar control glass, and the inner glass shall be coated with a thermal control layer)</b>			
10.380.1611	6+4 mm thickness	m <sup>2</sup>	On the job	145,00
10.380.1612	6+5 mm thickness	m <sup>2</sup>	On the job	154,00
10.380.1613	6+6 mm thickness	m <sup>2</sup>	On the job	160,00
	<b>16-mm spacing, molded (the outer glass shall be a tempered reflective solar control glass, and the inner glass shall be coated with a thermal control layer)</b>			
10.380.1621	6+4 mm thickness	m <sup>2</sup>	On the job	148,00
10.380.1622	6+5 mm thickness	m <sup>2</sup>	On the job	157,00
10.380.1623	6+6 mm thickness	m <sup>2</sup>	On the job	164,00
10.380.1624	8+8 mm thickness	m <sup>2</sup>	On the job	200,00
10.380.1625	8+6 mm thickness	m <sup>2</sup>	On the job	190,00
	<b>12-mm spacing, molded (The outer glass shall be coated with tempered, neutral, thermal and solar control layers, and the inner glass shall be a plain glass)</b>			
10.380.1631	6 + 6 mm thickness	m <sup>2</sup>	On the job	165,00
10.380.1632	8 + 6 mm thickness	m <sup>2</sup>	On the job	190,00
10.380.1633	8 + 8 mm thickness	m <sup>2</sup>	On the job	200,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>16-mm spacing, molded</b> <b>(The outer glass shall be coated with tempered, neutral, thermal and solar control layers, and the inner glass shall be a plain glass)</b>			
10.380.1641	6 + 6 mm thickness	m <sup>2</sup>	On the job	169,00
10.380.1642	8 + 6 mm thickness	m <sup>2</sup>	On the job	190,00
10.380.1643	8 + 8 mm thickness	m <sup>2</sup>	On the job	205,00
	<b>12 + 12-mm spacing, molded</b> <b>(Three-layer insulation glass with the first layer coated with thermal and solar control glass, the second layer coated with a tempered, colorless, plain glass, and the third layer coated with a thermal control glass.)</b>			
10.380.1651	4 + 4 + 4 mm thickness	m <sup>2</sup>	On the job	164,00
	<b>16 + 16-mm spacing, molded</b> <b>(Three-layer insulation glass with the first layer coated with thermal and solar control glass, the second layer coated with a tempered, colorless, plain glass, and the third layer coated with a thermal control glass.)</b>			
10.380.1661	4 + 4 + 4 mm thickness	m <sup>2</sup>	On the job	170,00
	<b>12 + 12-mm spacing, molded</b> <b>(Three-layer insulation glass with the first layer coated with thermal control glass, the second layer coated with a tempered, colorless, plain glass, and the third layer coated with a thermal control glass.)</b>			
10.380.1671	4 + 4 + 4 mm thickness	m <sup>2</sup>	On the job	164,00
	<b>16 + 16-mm spacing, molded</b> <b>(Three-layer insulation glass with the first layer coated with thermal control glass, the second layer coated with a tempered, colorless, plain glass, and the third layer coated with a thermal control glass.)</b>			
10.380.1681	4 + 4 + 4 mm thickness	m <sup>2</sup>	On the job	159,00
	<b>12-mm spacing, molded</b> <b>(The outer glass shall be a tempered, colored solar control glass, and the inner glass shall be a plain glass with a thermal control layer)</b>			
10.380.1691	6 (blue) mm + 6 mm thickness	m <sup>2</sup>	On the job	149,00
10.380.1692	6 (green) mm + 6 mm thickness	m <sup>2</sup>	On the job	145,00
10.380.1693	6 (smoke gray) mm + 6 mm thickness	m <sup>2</sup>	On the job	147,00
10.380.1694	6 (bronze color) mm + 6 mm thickness	m <sup>2</sup>	On the job	148,00
	<b>16-mm spacing, molded</b> <b>(The outer glass shall be a tempered, colored solar control glass, and the inner glass shall be a plain glass with a thermal control layer)</b>			
10.380.1701	6 (blue) mm + 6 mm thickness	m <sup>2</sup>	On the job	150,00
10.380.1702	6 (green) mm + 6 mm thickness	m <sup>2</sup>	On the job	147,00
10.380.1703	6 (smoke gray) mm + 6 mm thickness	m <sup>2</sup>	On the job	148,00
10.380.1704	6 (bronze color) mm + 6 mm thickness	m <sup>2</sup>	On the job	150,00
	<b>12-mm spacing, molded</b> <b>(The first glass coated with a thermal control layer, and the internal glass a colorless, laminated layer)</b>			
10.380.1711	4 + (4+4 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	155,00
10.380.1712	6 + (4+4 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	165,00
10.380.1713	4 + (5+5 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	170,00
10.380.1714	6 + (5+5 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	180,00
	<b>16-mm spacing, molded</b> <b>(The first glass coated with a thermal control layer, and the internal glass a colorless, laminated layer)</b>			
10.380.1721	4 + (4+4 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	158,00
10.380.1722	6 + (4+4 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	169,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.380.1723	4 + (5+5 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	175,00
10.380.1724	6 + (5+5 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	185,00
	<b>12-mm spacing, molded (The first glass coated with a thermal and solar control layer, and the internal glass a colorless, laminated layer)</b>			
10.380.1731	4 + (4+4 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	168,00
10.380.1732	6 + (4+4 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	179,00
10.380.1733	4 + (5+5 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	185,00
10.380.1734	6 + (5+5 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	195,00
	<b>16-mm spacing, molded (The first glass coated with a thermal and solar control layer, and the internal glass a colorless, laminated layer)</b>			
10.380.1741	4 + (4+4 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	168,00
10.380.1742	6 + (4+4 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	180,00
10.380.1743	4 + (5+5 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	185,00
10.380.1744	6 + (5+5 - 0.38 PVB, laminated)	m <sup>2</sup>	On the job	195,00
	<b>12-mm spacing, molded (The outer glass shall be coated with tempered, neutral, thermal control layer, and the inner glass shall be plain glass)</b>			
10.380.1751	4 + 4 mm thickness	m <sup>2</sup>	On the job	138,00
10.380.1752	6 + 6 mm thickness	m <sup>2</sup>	On the job	164,00
10.380.1753	8 + 8 mm thickness	m <sup>2</sup>	On the job	188,00
10.380.1754	8 + 6 mm thickness	m <sup>2</sup>	On the job	185,00
	<b>16-mm spacing, molded (The outer glass shall be coated with tempered, neutral, thermal control layer, and the inner glass shall be plain glass)</b>			
10.380.1761	4 + 4 mm thickness	m <sup>2</sup>	On the job	140,00
10.380.1762	6 + 6 mm thickness	m <sup>2</sup>	On the job	165,00
10.380.1763	8 + 8 mm thickness	m <sup>2</sup>	On the job	190,00
10.380.1764	8 + 6 mm thickness	m <sup>2</sup>	On the job	189,00
	<b>Tempered Glasses (TS EN 14321-1, 2)</b>			
10.380.2001	6 mm thickness	m <sup>2</sup>	On the job	55,00
10.380.2002	8 mm thickness	m <sup>2</sup>	On the job	70,00
10.380.2003	10 mm thickness	m <sup>2</sup>	On the job	90,00
	<b>Installation materials for glass, etc.</b>			
10.380.9981	Glazing wedge	Qty	On the job	0,07
10.380.9982	Silicon (310 ml)	Qty	On the job	10,60
10.380.9983	Silicon (310 ml) (Acid-free - Neutral Silicon)	Qty	On the job	18,40
	<b>PVC JOINERY AND METALLIC ACCESSORIES OF DOOR - WINDOW JOINERY</b>			
	<b>PLASTIC WINDOW JOINERY PROFILES (TS EN 12608-1)</b>			
10.400.1001	Metal-reinforced hard PVC joinery profiles	Kg	On the job	2,20
10.400.1002	Aluminum-reinforced hard PVC joinery profiles	Kg	On the job	12,90
10.400.1003	PVC joinery profiles reinforced with composite reinforcement profiles	Kg	On the job	6,30
10.400.1004	Hard PVC joinery profiles reinforced with polymer-based reinforcement component (PRP)	Kg	On the job	7,10
10.400.1005	Non-metal-reinforced hard PVC joinery profiles	Kg	On the job	2,20
10.400.1006	Any kind of hard PVC plastic panel	Kg	On the job	1,82

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.400.1021	EPDM rubber, neoprene or TPE insulation and glass seals and gaskets used for plastic and aluminum joinery	Kg	On the job	4,70
10.400.1022	Installation dowel pin for plastic and aluminum joinery	Qty	On the job	0,46
	<b>PVC SUSPENSION RAW MATERIAL</b>			
10.400.1101	PVC suspension raw material	Kg	On the job	5,14
	<b>JOINERY HARDWARE</b>			
	<b>Door joinery hardware (Wood, metal and plastic)</b>			
10.400.2001	Mortise lock for interior door (Wide type) (TS EN 12209)	Qty	On the job	13,80
10.400.2002	Mortise lock for interior door (Narrow type) (TS EN 12209)	Qty	On the job	13,80
10.400.2003	Mortise roller lock for interior door (Wide and narrow types) (TS EN 12209)	Qty	On the job	22,10
10.400.2004	Mortise cylinder lock for interior and exterior doors (Wide and narrow types) (TS EN 12209)	Qty	On the job	36,40
10.400.2005	Mortise roller lock for interior and exterior doors (Wide type) (TS EN 12209)	Qty	On the job	36,40
10.400.2006	Mortise roller lock for interior and exterior doors (Narrow type) (TS EN 12209)	Qty	On the job	36,40
10.400.2007	Outer door lock with rim lock (TS EN 12209)	Qty	On the job	40,30
10.400.2008	Door handle and panels (Chromated) (TS EN 12209)	Qty	On the job	14,30
10.400.2009	Rubber seal plug	Qty	On the job	2,47
10.400.2010	Hinge	Qty	On the job	2,34
10.400.2011	Spring-loaded hinge	Qty	On the job	22,75
10.400.2012	Door latch (Vertical fixing tools)	Qty	On the job	3,00
10.400.2013	Stop (Nickel-plated)	Qty	On the job	11,20
	<b>Window joinery mineral hardware (Wood, metal and plastic)</b>			
10.400.2101	Window bar hardware (Handle lever and other components)	Qty	On the job	15,60
10.400.2102	Transom window hardware (Simple folding mechanism)	Qty	On the job	5,20
10.400.2103	Transom window hardware (Steel folding mechanism, chrome-plated lever and handle)			13,00
10.400.2104	Latch (window bar lever and cam) yellow brass montevet screw	Qty	On the job	7,80
10.400.2105	Bolt	Qty	On the job	2,60
10.400.2106	Rubber seal plug	Qty	On the job	2,86
10.400.2107	Latch with locking spring	Qty	On the job	3,64
10.400.2108	Counterweight set (Cast knitting wire, complete together with wrap pulley wire sockets)	Qty	On the job	3,64
10.400.2109	Sliding window handle	Qty	On the job	11,05
	<b>Clutch window bar hardware (Including lever) (for wood)</b>			
10.400.2121	With two 80-cm clutches (for wood)	Qty	On the job	11,05
10.400.2122	With three 100-cm clutches (for wood)	Qty	On the job	13,00
10.400.2123	With three 120-cm clutches (for wood)	Qty	On the job	15,60
10.400.2124	With three 140-cm clutches (for wood)	Qty	On the job	15,60
10.400.2125	With three 160-cm clutches (for wood)	Qty	On the job	16,90



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.400.2126	With four 180-cm clutches (for wood)	Qty	On the job	18,20
10.400.2127	Hinge	Qty	On the job	2,86
10.400.2128	Continuous hinge	m	On the job	4,42
10.400.2129	Adjustable hinge (Double) Plastic-coated	Qty	On the job	11,05
	<b>Window joinery mineral hardware (Wood, metal and plastic) (Subject to written approval of the administration.)</b>			
10.400.2141	Window bar hardware (including lever), two-clutches, up to 100 cm	Qty	On the job	39,00
10.400.2142	Window bar hardware (including lever), three clutches, up to 180 cm	Qty	On the job	48,00
10.400.2143	Window bar hardware (including lever), four clutches, longer than 180 cm	Qty	On the job	48,00
10.400.2144	Transom window bar hardware (including lever and folding mechanism)	Qty	On the job	39,00
	<b>Door handle hardware (TS EN 1906, TS EN 12051)</b>			
10.400.2161	Door handle hardware with static paint (with 360 gr weight, 40 mm x 220 mm (width x length) panel part, and 1.20 mm wall thickness)	Set	On the job	7,25
	<b>Brass door handle hardware (yellow brass with copper alloy)</b>			
10.400.2181	The handle part shall be min. 475 gr.	Set	On the job	23,40
10.400.2182	The handle part shall be min. 750 gr.	Set	On the job	31,20
10.400.2183	The handle part shall be min. 900 gr.	Set	On the job	48,10
	Note: 1- Electrolytic coating with satin, albirifin, smoke gray, chrome shall be charged extra TRY 5.00. 2- Two-color satin albirifin coating shall be charged extra TRY 7.50.			
	<b>OTHER SUPPLIES</b>			
	<b>WIRE, NAILS, SCREWS, ETC.</b>	Kg	On the job	
10.420.1001	Equipment attaching wire	m <sup>2</sup>	On the job	3,60
10.420.1002	Poultry netting (Galvanized)	m <sup>2</sup>	On the job	3,80
10.420.1003	Fly screen wire (Galvanized)	m <sup>2</sup>	On the job	5,80
10.420.1004	Fly screen wire (Plastic)	m <sup>2</sup>	On the job	5,50
10.420.1005	Expanded metal	m <sup>2</sup>	On the job	4,30
10.420.1006	Nails (TS 155)	Kg	On the job	2,70
10.420.1007	Galvanized nails (TS 155)	Kg	On the job	6,60
10.420.1008	Large-head galvanized nails (TS 155) (Shingle nail)	Kg	On the job	6,60
10.420.1009	Staple (TS 155)	Kg	On the job	5,70
10.420.1010	Wood screws (Small, 144 pcs.) (TS 431)	Box	On the job	7,20
10.420.1011	Wood screws (Big, 144 pcs.) (TS 431)	Box	On the job	8,64
10.420.1012	Screws and plastic dowel pins	Qty	On the job	0,19
10.420.1013	A box in each size (1000 x drywall screws) (made of carbon steel, coated with black phosphate, pointed)	Box	On the job	20,00
10.420.1014	A box in each size (1000 x self-drilling screws) (made of carbon steel, coated with black phosphate, self-drilling)	Box	On the job	30,00
	<b>BOLTS, PINS, ETC.</b>			

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.420.1051	Bulldog blind bolts	Kg	On the job	2,60
10.420.1052	Bolts	Kg	On the job	3,15
10.420.1053	Bolts (Galvanized)	Kg	On the job	4,25
10.420.1054	Shelf pins with socket	Qty	On the job	0,23
	<b>SOLDER AND WIRE NAIL</b>			
10.420.1101	Solder (TS EN ISO 9453)	Kg	On the job	50,00
10.420.1102	Wire nail	Kg	On the job	3,25
	<b>BRASS, SCREWS, WASHERS, ETC.</b>			
10.420.1151	Brass wood screws (TS 431) (Small)	Qty	On the job	0,05
10.420.1152	Brass wood screws (TS 431) (Large)	Qty	On the job	0,06
10.420.1153	Nails with a special head for quilting	Qty	On the job	0,10
10.420.1154	Metal washer	Qty	On the job	0,09
	<b>GLUES</b>			
10.420.1301	Bone glue (Hot) (TS 91)	Kg	On the job	5,00
10.420.1302	Synthetic glue (TS EN 12765)	Kg	On the job	4,00
10.420.1303	Wallpaper paste	Kg	On the job	8,00
10.420.1304	Special adhesive for wood flooring	Kg	On the job	3,90
10.420.1305	Silicon-based 800 series putty	Kg	On the job	18,00
	<b>RAINWATER PIPES, GUTTERS, ETC.</b>			
10.420.1401	Ø70 mm hard PVC pipe with one end bellmouth (rainwater pipe) (TS EN 1329-1, TSE CEN/TS 1329-2)	m	On the job	6,30
10.420.1402	Ø100 mm hard PVC pipe with one end bellmouth (rainwater pipe) (TS EN 1329-1, TSE CEN/TS 1329-2)	m	On the job	10,90
10.420.1403	Ø125 mm hard PVC pipe with one end bellmouth (rainwater pipe) (TS EN 1329-1, TSE CEN/TS 1329-2)	m	On the job	12,60
10.420.1404	Hard PVC roofing strip (baseboard)	m	On the job	4,75
10.420.1405	Hard PVC rain gutter (Ø100 mm)	m	On the job	4,60
10.420.1406	Hard PVC rain gutter (Ø150 mm)	m	On the job	8,05
	<b>KRAFT HONEYCOMB DOOR CORES</b>			
10.420.1501	32 mm thickness	Qty	On the job	3,05
10.420.1502	35 mm thickness	Qty	On the job	3,38
10.420.1503	36 mm thickness	Qty	On the job	3,44
10.420.1504	37 mm thickness	Qty	On the job	3,50
10.420.1505	38 mm thickness	Qty	On the job	3,63
10.420.1506	39 mm thickness	Qty	On the job	3,75
	<b>OTHER HARDWARE, ETC.</b>			
10.420.1511	Straw	Kg	On the job	0,90
10.420.1512	Mosaic polishing stone (Solid brick)	Qty	On the job	11,25
10.420.1513	PVC felt (1 mm)	m <sup>2</sup>	On the job	3,70
10.420.1514	Wadding	Kg	On the job	0,38
10.420.1515	High-quality artificial leather	m <sup>2</sup>	On the job	5,00
10.420.1516	Strip cord	m	On the job	0,80
10.420.1517	Rubber seal	Qty	On the job	0,25
	<b>IMPREGNATION AGENTS</b>			

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.420.1701	Copper triazole type, water-soluble (TS EN 599-1+A1, TS 599-2)	Kg	On the job	16,00
10.420.1702	ACQ-type, water soluble (TS EN 599-1+A1, TS EN 599-2)	Kg	On the job	16,00
10.420.1703	Triazole-type, water soluble (TS EN 599-1+A1, TS EN 599-2)	Kg	On the job	5,75
	<b>BRIDGE EXPANSION JOINTS WITH STEEL PROFILE AND RUBBER SEAL (as per the relevant specifications)</b>			
	<b>Watertight type made of special steel profile anchored to the structure</b>			
10.420.1751	0 to 80 mm in longitudinal axis, with movable, rolled or extruded profile	m	On the job	800,00
10.420.1752	0 to 160 mm in longitudinal axis, with movable, rolled or extruded profile	m	On the job	3.500,00
10.420.1753	0 to 240 mm in longitudinal axis, with movable, rolled or extruded profile	m	On the job	3.750,00
10.420.1754	0 to 320 mm in longitudinal axis, with movable, rolled or extruded profile	m	On the job	5.250,00
10.420.1755	0 to 400 mm in longitudinal axis, with movable, rolled or extruded profile	m	On the job	13.000,00
10.420.1771	Bitumen-based bridge expansion joints 0-70-mm elastomeric, modified, bitumen-based, plug-type	m	On the job	950,00
	<b>ROAD MARKING AGENTS (TS EN 1871)</b>			
10.420.1781	Reflective glass globules (Used for road marking, and reflecting the lights emitted by a light source if the back side is screened appropriately)	Kg	On the job	6,25
10.420.1782	Reflective buttons for road marking	Qty	On the job	16,00
10.420.1783	Fiberglass-reinforced (CTP) Polyester, traffic delineator	Qty	On the job	11,00
	<b>ANCHORING CONE TOOLS</b>			
10.420.1801	Anchoring cone tools (Ø12 x 7)	Qty	On the job	30,00
10.420.1802	Anchoring cone tools (Ø12 x 8)	Qty	On the job	32,00
	<b>COAL, FLY ASH, CREOSOTE, etc.</b>			
10.420.1851	Anthracite	Kg	On the job	0,50
10.420.1852	Light aggregate (Sieved clinker)	m <sup>3</sup>	On the job	1,15
10.420.1853	Fly ash (TS EN 450-1, 2)	Tons	On the job	30,00
10.420.1854	Creosote (TS 4329 EN 13991)	Kg	On the job	1,77
10.420.1855	Hot-applied coal-tar pitch	Kg	On the job	1,05
	<b>INFRASTRUCTURE PIPES AND MATERIALS</b>			
	<b>DRAINAGE PIPES (Market prices of other diameters will be interpolated)</b>			
	<b>Tunnel-type drainage pipes (PVC-based)</b>			
10.450.1001	Ø100 mm nominal diameter	m	Factory	7,50
10.450.1002	Ø150 mm nominal diameter	m	Factory	12,00
10.450.1003	Ø200 mm nominal diameter	m	Factory	15,00
10.450.1004	Ø315 mm nominal diameter	m	Factory	27,00
10.450.1005	Ø355 mm nominal diameter	m	Factory	30,00
10.450.1050	Dedicated parts for each diameter size	Kg	Factory	8,50
	<b>Corrugated drainage pipes (PVC-based) (TS 9128)</b>			

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.1051	Ø50 mm nominal diameter	m	Factory	0,89
10.450.1052	Ø65 mm nominal diameter	m	Factory	1,20
10.450.1053	Ø80 mm nominal diameter	m	Factory	2,35
10.450.1054	Ø100 mm nominal diameter	m	Factory	3,18
10.450.1055	Ø125 mm nominal diameter	m	Factory	5,45
10.450.1056	Ø160 mm nominal diameter	m	Factory	8,55
10.450.1057	Ø200 mm nominal diameter	m	Factory	12,00
10.450.1100	Dedicated parts for each diameter size	Kg	Factory	7,60
	<b>Corrugated drainage pipes High-density polyethylene (HDPE) and Polypropylene (PP)- based (TS EN 13476-1) (SN 8)</b>			
10.450.1101	Ø150 mm nominal diameter	m	Factory	13,90
10.450.1102	Ø200 mm nominal diameter	m	Factory	22,80
10.450.1103	Ø250 mm nominal diameter	m	Factory	41,00
10.450.1104	Ø300 mm nominal diameter	m	Factory	46,00
10.450.1105	Ø400 mm nominal diameter	m	Factory	78,00
10.450.1106	Ø500 mm nominal diameter	m	Factory	120,00
10.450.1107	Ø600 mm nominal diameter	m	Factory	184,00
10.450.1150	Dedicated parts for each diameter size	Kg	Factory	10,80
	<b>Corrugated drainage pipes High-density polyethylene (HDPE) and Polypropylene (PP)- based (TS EN 13476-1) (SN 4)</b>			
10.450.1151	Ø150 mm nominal diameter	m	Factory	11,40
10.450.1152	Ø200 mm nominal diameter	m	Factory	18,40
10.450.1153	Ø250 mm nominal diameter	m	Factory	29,00
10.450.1154	Ø300 mm nominal diameter	m	Factory	41,00
10.450.1155	Ø400 mm nominal diameter	m	Factory	59,00
10.450.1156	Ø500 mm nominal diameter	m	Factory	95,00
10.450.1157	Ø600 mm nominal diameter	m	Factory	127,00
10.450.1200	Dedicated parts for each diameter size	Kg	Factory	10,20
	<b>CORRUGATED SEWAGE PIPES</b>			
	<b>Corrugated sewage pipes High-density polyethylene (HDPE) and Polypropylene (PP)- based (TS EN 13476-1) (SN 8) (Market Prices of other diameters will be interpolated)</b>			
10.450.1201	Ø100 mm nominal diameter	m	Factory	7,60
10.450.1202	Ø125 mm nominal diameter	m	Factory	9,45
10.450.1203	Ø150 mm nominal diameter	m	Factory	12,40
10.450.1204	Ø200 mm nominal diameter	m	Factory	20,00
10.450.1205	Ø250 mm nominal diameter	m	Factory	35,00
10.450.1206	Ø300 mm nominal diameter	m	Factory	50,00
10.450.1207	Ø400 mm nominal diameter	m	Factory	80,00
10.450.1208	Ø500 mm nominal diameter	m	Factory	106,00
10.450.1209	Ø600 mm nominal diameter	m	Factory	158,00
10.450.1210	Ø800 mm nominal diameter	m	Factory	215,00
10.450.1211	Ø1000 mm nominal diameter	m	Factory	266,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.1250	Dedicated parts for each diameter size	Kg	Factory	10,80
	<b>Corrugated Sewage Pipes High-density polyethylene (HDPE) and Polypropylene (PP)- based (TS EN 13476-1) (SN 4) (Market Prices of other diameters will be interpolated)</b>			
10.450.1251	Ø100 mm nominal diameter	m	Factory	5,60
10.450.1252	Ø125 mm nominal diameter	m	Factory	8,90
10.450.1253	Ø150 mm nominal diameter	m	Factory	11,20
10.450.1254	Ø200 mm nominal diameter	m	Factory	17,80
10.450.1255	Ø250 mm nominal diameter	m	Factory	29,00
10.450.1256	Ø300 mm nominal diameter	m	Factory	38,00
10.450.1257	Ø400 mm nominal diameter	m	Factory	62,00
10.450.1258	Ø500 mm nominal diameter	m	Factory	92,00
10.450.1259	Ø600 mm nominal diameter	m	Factory	123,00
10.450.1260	Ø800 mm nominal diameter	m	Factory	171,00
10.450.1261	Ø1000 mm nominal diameter	m	Factory	215,00
10.450.1300	Dedicated parts for each diameter size	Kg	Factory	10,20
	<b>POTABLE AND UTILITY WATER PIPES MADE OF PE 100 POLYETHYLENE (TS EN 12201-2+A1) Note: Market Prices of other diameters will be interpolated.</b>			
	<b>Resistant to 4 ATM of pressure</b>			
10.450.1501	Ø315 mm nominal diameter	m	Factory	57,00
10.450.1502	Ø400 mm nominal diameter	m	Factory	93,00
10.450.1503	Ø500 mm nominal diameter	m	Factory	145,00
10.450.1504	Ø630 mm nominal diameter	m	Factory	229,00
10.450.1505	Ø800 mm nominal diameter	m	Factory	369,00
10.450.1506	Ø1000 mm nominal diameter	m	Factory	576,00
	<b>Resistance to 5 ATM of pressure</b>			
10.450.1511	Ø315 mm nominal diameter	m	Factory	71,00
10.450.1512	Ø400 mm nominal diameter	m	Factory	114,00
10.450.1513	Ø500 mm nominal diameter	m	Factory	178,00
10.450.1514	Ø630 mm nominal diameter	m	Factory	283,00
10.450.1515	Ø800 mm nominal diameter	m	Factory	459,00
10.450.1516	Ø1000 mm nominal diameter	m	Factory	712,00
	<b>Resistance to 6 ATM of pressure</b>			
10.450.1521	Ø50 mm nominal diameter	m	Factory	2,30
10.450.1522	Ø75 mm nominal diameter	m	Factory	5,00
10.450.1523	Ø110 mm nominal diameter	m	Factory	10,50
10.450.1524	Ø160 mm nominal diameter	m	Factory	21,00
10.450.1525	Ø200 mm nominal diameter	m	Factory	33,00
10.450.1526	Ø250 mm nominal diameter	m	Factory	53,00
10.450.1527	Ø315 mm nominal diameter	m	Factory	84,00
10.450.1528	Ø400 mm nominal diameter	m	Factory	135,00
10.450.1529	Ø500 mm nominal diameter	m	Factory	210,00
10.450.1530	Ø710 mm nominal diameter	m	Factory	423,00
10.450.1531	Ø800 mm nominal diameter	m	Factory	538,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.1532	Ø1000 mm nominal diameter	m	Factory	841,00
	<b>Resistance to 8 ATM of pressure</b>			
10.450.1541	Ø40 mm nominal diameter	m	Factory	1,95
10.450.1542	Ø63 mm nominal diameter	m	Factory	4,60
10.450.1543	Ø90 mm nominal diameter	m	Factory	9,05
10.450.1544	Ø125 mm nominal diameter	m	Factory	17,00
10.450.1545	Ø160 mm nominal diameter	m	Factory	28,00
10.450.1546	Ø200 mm nominal diameter	m	Factory	44,00
10.450.1547	Ø250 mm nominal diameter	m	Factory	68,00
10.450.1548	Ø315 mm nominal diameter	m	Factory	108,00
10.450.1549	Ø400 mm nominal diameter	m	Factory	175,00
10.450.1550	Ø500 mm nominal diameter	m	Factory	275,00
10.450.1551	Ø630 mm nominal diameter	m	Factory	433,00
10.450.1552	Ø800 mm nominal diameter	m	Factory	698,00
10.450.1553	Ø1000 mm nominal diameter	m	Factory	1.092,00
	<b>Resistance to 10 ATM of pressure</b>			
10.450.1561	Ø32 mm nominal diameter	m	Factory	1,47
10.450.1562	Ø50 mm nominal diameter	m	Factory	3,55
10.450.1563	Ø75 mm nominal diameter	m	Factory	7,80
10.450.1564	Ø110 mm nominal diameter	m	Factory	16,85
10.450.1565	Ø160 mm nominal diameter	m	Factory	35,00
10.450.1566	Ø200 mm nominal diameter	m	Factory	54,00
10.450.1567	Ø250 mm nominal diameter	m	Factory	85,00
10.450.1568	Ø315 mm nominal diameter	m	Factory	135,00
10.450.1569	Ø400 mm nominal diameter	m	Factory	215,00
10.450.1570	Ø500 mm nominal diameter	m	Factory	337,00
10.450.1571	Ø630 mm nominal diameter	m	Factory	535,00
10.450.1572	Ø800 mm nominal diameter	m	Factory	865,00
10.450.1573	Ø1000 mm nominal diameter	m	Factory	1.341,00
	<b>Resistance to 12.5 ATM of pressure</b>			
10.450.1581	Ø25 mm nominal diameter	m	Factory	1,24
10.450.1582	Ø50 mm nominal diameter	m	Factory	4,45
10.450.1583	Ø75 mm nominal diameter	m	Factory	9,70
10.450.1584	Ø110 mm nominal diameter	m	Factory	20,50
10.450.1585	Ø160 mm nominal diameter	m	Factory	40,00
10.450.1586	Ø200 mm nominal diameter	m	Factory	66,00
10.450.1587	Ø250 mm nominal diameter	m	Factory	103,00
10.450.1588	Ø315 mm nominal diameter	m	Factory	164,00
10.450.1589	Ø400 mm nominal diameter	m	Factory	261,00
10.450.1590	Ø500 mm nominal diameter	m	Factory	409,00
10.450.1591	Ø630 mm nominal diameter	m	Factory	647,00
10.450.1592	Ø800 mm nominal diameter	m	Factory	1.046,00
	<b>Resistance to 16 ATM of pressure</b>			
10.450.1601	Ø20 mm nominal diameter	m	Factory	0,96
10.450.1602	Ø32 mm nominal diameter	m	Factory	2,30
10.450.1603	Ø50 mm nominal diameter	m	Factory	5,30
10.450.1604	Ø75 mm nominal diameter	m	Factory	11,50

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.1605	Ø110 mm nominal diameter	m	Factory	23,00
10.450.1606	Ø160 mm nominal diameter	m	Factory	51,00
10.450.1607	Ø200 mm nominal diameter	m	Factory	80,00
10.450.1608	Ø250 mm nominal diameter	m	Factory	124,00
10.450.1609	Ø315 mm nominal diameter	m	Factory	197,00
10.450.1610	Ø400 mm nominal diameter	m	Factory	318,00
10.450.1611	Ø500 mm nominal diameter	m	Factory	497,00
10.450.1612	Ø630 mm nominal diameter	m	Factory	790,00
	<b>Resistance to 20 ATM of pressure</b>			
10.450.1621	Ø16 mm nominal diameter	m	Factory	0,70
10.450.1622	Ø25 mm nominal diameter	m	Factory	1,72
10.450.1623	Ø32 mm nominal diameter	m	Factory	2,55
10.450.1624	Ø50 mm nominal diameter	m	Factory	6,00
10.450.1625	Ø75 mm nominal diameter	m	Factory	13,40
10.450.1626	Ø110 mm nominal diameter	m	Factory	29,00
10.450.1627	Ø160 mm nominal diameter	m	Factory	61,00
10.450.1628	Ø200 mm nominal diameter	m	Factory	96,00
10.450.1629	Ø250 mm nominal diameter	m	Factory	149,00
10.450.1630	Ø315 mm nominal diameter	m	Factory	235,00
10.450.1631	Ø400 mm nominal diameter	m	Factory	382,00
10.450.1632	Ø500 mm nominal diameter	m	Factory	595,00
	<b>Resistance to 25 ATM of pressure</b>			
10.450.1641	Ø16 mm nominal diameter	m	Factory	0,89
10.450.1642	Ø25 mm nominal diameter	m	Factory	2,05
10.450.1643	Ø32 mm nominal diameter	m	Factory	3,40
10.450.1644	Ø50 mm nominal diameter	m	Factory	7,65
10.450.1645	Ø75 mm nominal diameter	m	Factory	17,20
10.450.1646	Ø110 mm nominal diameter	m	Factory	36,00
10.450.1647	Ø160 mm nominal diameter	m	Factory	77,00
10.450.1648	Ø200 mm nominal diameter	m	Factory	122,00
10.450.1649	Ø250 mm nominal diameter	m	Factory	189,00
10.450.1650	Ø315 mm nominal diameter	m	Factory	300,00
10.450.1651	Ø400 mm nominal diameter	m	Factory	487,00
10.450.1652	Ø450 mm nominal diameter	m	Factory	612,00
10.450.1900	Dedicated parts for each diameter size	Kg	Factory	10,50
	<b>SPIRAL WOUND UNDERGROUND RAINWATER AND SEWER PIPES (HDPE-based) (TS 12132) Note: Market Prices of other diameters will be interpolated.</b>			
10.450.1901	Ø500 mm nominal diameter, Type 2	m	Factory	119,00
10.450.1902	Ø600 mm nominal diameter, Type 2	m	Factory	141,00
10.450.1903	Ø800 mm nominal diameter, Type 2	m	Factory	190,00
10.450.1904	Ø1000 mm nominal diameter, Type 2	m	Factory	279,00
10.450.1905	Ø1200 mm nominal diameter, Type 2	m	Factory	335,00
10.450.1906	Ø1400 mm nominal diameter, Type 2	m	Factory	418,00
10.450.1907	Ø1600 mm nominal diameter, Type 2	m	Factory	546,00
10.450.1908	Ø1800 mm nominal diameter, Type 2	m	Factory	679,00
10.450.1909	Ø2000 mm nominal diameter, Type 2	m	Factory	754,00

**Market Prices for Construction Materials**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>PURCHASING LOCATION</b>	<b>MARKET PRICE (TRY)</b>
10.450.1910	Ø2500 mm nominal diameter, Type 2	m	Factory	1.693,00
10.450.1911	Ø3000 mm nominal diameter, Type 2	m	Factory	2.583,00
10.450.1921	Ø500 mm nominal diameter, Type 3	m	Factory	118,00
10.450.1922	Ø600 mm nominal diameter, Type 3	m	Factory	142,00
10.450.1923	Ø800 mm nominal diameter, Type 3	m	Factory	224,00
10.450.1924	Ø1000 mm nominal diameter, Type 3	m	Factory	318,00
10.450.1925	Ø1200 mm nominal diameter, Type 3	m	Factory	478,00
10.450.1926	Ø1400 mm nominal diameter, Type 3	m	Factory	529,00
10.450.1927	Ø1600 mm nominal diameter, Type 3	m	Factory	651,00
10.450.1928	Ø1800 mm nominal diameter, Type 3	m	Factory	873,00
10.450.1929	Ø2000 mm nominal diameter, Type 3	m	Factory	1.268,00
10.450.1930	Ø2200 mm nominal diameter, Type 3	m	Factory	1.495,00
10.450.1931	Ø2400 mm nominal diameter, Type 3	m	Factory	1.948,00
10.450.1932	Ø2600 mm nominal diameter, Type 3	m	Factory	2.312,00
10.450.1933	Ø2800 mm nominal diameter, Type 3	m	Factory	2.805,00
10.450.1934	Ø3000 mm nominal diameter, Type 3	m	Factory	3.001,00
10.450.1941	Ø500 mm nominal diameter, Type 4	m	Factory	118,00
10.450.1942	Ø600 mm nominal diameter, Type 4	m	Factory	161,00
10.450.1943	Ø800 mm nominal diameter, Type 4	m	Factory	242,00
10.450.1944	Ø1000 mm nominal diameter, Type 4	m	Factory	377,00
10.450.1945	Ø1200 mm nominal diameter, Type 4	m	Factory	502,00
10.450.1946	Ø1400 mm nominal diameter, Type 4	m	Factory	645,00
10.450.1947	Ø1600 mm nominal diameter, Type 4	m	Factory	962,00
10.450.1948	Ø1800 mm nominal diameter, Type 4	m	Factory	1.396,00
10.450.1949	Ø2000 mm nominal diameter, Type 4	m	Factory	1.980,00
10.450.1950	Ø2500 mm nominal diameter, Type 4	m	Factory	3.387,00
10.450.1951	Ø3000 mm nominal diameter, Type 4	m	Factory	5.284,00
10.450.1961	Ø500 mm nominal diameter, Type 5	m	Factory	127,00
10.450.1962	Ø600 mm nominal diameter, Type 5	m	Factory	161,00
10.450.1963	Ø800 mm nominal diameter, Type 5	m	Factory	302,00
10.450.1964	Ø1000 mm nominal diameter, Type 5	m	Factory	418,00
10.450.1965	Ø1200 mm nominal diameter, Type 5	m	Factory	735,00
10.450.1966	Ø1400 mm nominal diameter, Type 5	m	Factory	1.008,00
10.450.1967	Ø1600 mm nominal diameter, Type 5	m	Factory	1.452,00
10.450.1968	Ø1800 mm nominal diameter, Type 5	m	Factory	2.417,00
10.450.1969	Ø2000 mm nominal diameter, Type 5	m	Factory	2.822,00
10.450.1970	Ø2200 mm nominal diameter, Type 5	m	Factory	3.260,00
10.450.1971	Ø2400 mm nominal diameter, Type 5	m	Factory	4.116,00
10.450.1972	Ø2600 mm nominal diameter, Type 5	m	Factory	5.171,00
10.450.1973	Ø2800 mm nominal diameter, Type 5	m	Factory	6.502,00
10.450.1974	Ø3000 mm nominal diameter, Type 5	m	Factory	6.943,00
10.450.1981	Ø500 mm nominal diameter, Type 6	m	Factory	149,00
10.450.1982	Ø600 mm nominal diameter, Type 6	m	Factory	226,00
10.450.1983	Ø800 mm nominal diameter, Type 6	m	Factory	367,00
10.450.1984	Ø1000 mm nominal diameter, Type 6	m	Factory	717,00
10.450.1985	Ø1200 mm nominal diameter, Type 6	m	Factory	1.272,00
10.450.1986	Ø1400 mm nominal diameter, Type 6	m	Factory	1.508,00



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.1987	Ø1600 mm nominal diameter, Type 6	m	Factory	1.811,00
10.450.1988	Ø1800 mm nominal diameter, Type 6	m	Factory	2.922,00
10.450.1989	Ø2000 mm nominal diameter, Type 6	m	Factory	3.488,00
10.450.1990	Ø2500 mm nominal diameter, Type 6	m	Factory	4.234,00
10.450.1991	Ø3000 mm nominal diameter, Type 6	m	Factory	7.790,00
10.450.2001	Ø500 mm nominal diameter, Type 7	m	Factory	204,00
10.450.2002	Ø600 mm nominal diameter, Type 7	m	Factory	251,00
10.450.2003	Ø800 mm nominal diameter, Type 7	m	Factory	575,00
10.450.2004	Ø1000 mm nominal diameter, Type 7	m	Factory	969,00
10.450.2005	Ø1200 mm nominal diameter, Type 7	m	Factory	1.422,00
10.450.2006	Ø1400 mm nominal diameter, Type 7	m	Factory	2.295,00
10.450.2007	Ø1600 mm nominal diameter, Type 7	m	Factory	3.020,00
10.450.2008	Ø1800 mm nominal diameter, Type 7	m	Factory	3.860,00
10.450.2050	Dedicated parts for each diameter size	Kg	Factory	7,15
	<b>STEEL-REINFORCED, SPIRAL-WOUND UNDERGROUND SEWER AND RAINWATER PIPES (HDPE-based) (ASTM F 2435)</b> Note: Market Prices of other diameters will be interpolated.			
	<b>Type SN 8 pipes</b>			
10.450.2051	Ø600 mm nominal diameter	m	Factory	222,00
10.450.2052	Ø800 mm nominal diameter	m	Factory	330,00
10.450.2053	Ø1000 mm nominal diameter	m	Factory	605,00
10.450.2054	Ø1200 mm nominal diameter	m	Factory	936,00
10.450.2055	Ø1400 mm nominal diameter	m	Factory	1.303,00
10.450.2056	Ø1500 mm nominal diameter	m	Factory	1.653,00
10.450.2057	Ø1600 mm nominal diameter	m	Factory	1.810,00
	<b>Type SN 12 pipes</b>			
10.450.2071	Ø600 mm nominal diameter	m	Factory	251,00
10.450.2072	Ø800 mm nominal diameter	m	Factory	378,00
10.450.2073	Ø1000 mm nominal diameter	m	Factory	688,00
10.450.2074	Ø1200 mm nominal diameter	m	Factory	1.076,00
10.450.2075	Ø1400 mm nominal diameter	m	Factory	1.498,00
10.450.2076	Ø1500 mm nominal diameter	m	Factory	1.902,00
10.450.2077	Ø1600 mm nominal diameter	m	Factory	2.081,00
	<b>Type SN 16 pipes</b>			
10.450.2081	Ø600 mm nominal diameter	m	Factory	292,00
10.450.2082	Ø800 mm nominal diameter	m	Factory	436,00
10.450.2083	Ø1000 mm nominal diameter	m	Factory	795,00
10.450.2084	Ø1200 mm nominal diameter	m	Factory	1.236,00
10.450.2085	Ø1400 mm nominal diameter	m	Factory	1.723,00
10.450.2086	Ø1500 mm nominal diameter	m	Factory	2.187,00
10.450.2087	Ø1600 mm nominal diameter	m	Factory	2.395,00
10.450.2100	Dedicated parts for each diameter size	Kg	Factory	13,00
	<b>NATURAL GAS PIPES (TS EN ISO 3183)</b> Note: Market Prices of other diameters will be interpolated.			

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>Steel natural gas pipes</b> <b>Outside diameter (mm) x wall thickness (mm)</b>			
10.450.2201	1/2 inch (21.3 x 2.80) GR-A	m	Factory	5,50
10.450.2202	3/4 inch (26.7 x 2.90) GR-A	m	Factory	7,20
10.450.2203	1 inch (33.4 x 3.40) GR-A	m	Factory	10,90
10.450.2204	1 1/4 inches (42.2 x 3.60) GR-A	m	Factory	14,50
10.450.2205	1 1/2 inches (48.3 x 3.70) GR-A	m	Factory	17,50
10.450.2206	2 inches (60.3 x 3.90) GR-A	m	Factory	22,70
10.450.2207	2 1/2 inches (73.0 x 5.20) GR-A	m	Factory	36,40
10.450.2208	3 inches (88.9 x 5.50) GR-A	m	Factory	49,40
10.450.2209	4 inches (114.3 x 6.00) GR-B	m	Factory	63,70
10.450.2210	5 inches (141.0 x 6.60) GR-B	m	Factory	89,70
10.450.2211	6 inches (168.3 x 7.10) GR-B	m	Factory	117,00
10.450.2212	8 inches (219.1 x 8.18) GR-B	m	Factory	176,00
10.450.2213	10 inches (273.0 x 9.27) GR-B	m	Factory	241,00
10.450.2214	12 inches (323.9 x 9.50) GR-B	m	Factory	315,00
10.450.2215	Dedicated parts for each diameter size	Kg	Factory	12,80
	<b>PE-coated natural gas pipes</b> <b>Outside diameter (mm) x wall thickness (mm)</b>			
10.450.2231	1/2 inch (21.3 x 2.80) GR-A	m	Factory	11,10
10.450.2232	3/4 inch (26.7 x 2.90) GR-A	m	Factory	13,60
10.450.2233	1 inch (33.4 x 3.40) GR-A	m	Factory	18,40
10.450.2234	1 1/4 inches (42.2 x 3.60) GR-A	m	Factory	24,70
10.450.2235	1 1/2 inches (48.3 x 3.70) GR-A	m	Factory	28,60
10.450.2236	2 inches (60.3 x 3.90) GR-A	m	Factory	39,00
10.450.2237	2 1/2 inches (73.0 x 5.20) GR-A	m	Factory	59,00
10.450.2238	3 inches (88.9 x 5.50) GR-A	m	Factory	71,00
10.450.2239	4 inches (114.3 x 6.00) GR-B	m	Factory	91,00
10.450.2240	5 inches (141.0 x 6.60) GR-B	m	Factory	120,00
10.450.2241	6 inches (168.3 x 7.10) GR-B	m	Factory	166,00
10.450.2242	8 inches (219.1 x 8.18) GR-B	m	Factory	228,00
10.450.2243	10 inches (273.0 x 9.27) GR-B	m	Factory	347,00
10.450.2244	12 inches (323.9 x 9.50) GR-B	m	Factory	421,00
10.450.2300	Dedicated parts for each diameter size	Kg	Factory	11,70
	<b>SPIRAL-WELDED STEEL PIPES (TS EN 10217-1)</b> <b>Epoxy Interior (per TS EN 10289)</b> <b>PE-coated exterior (per TS 5139),</b> <b>Butt welded</b> Note: 1- Market Prices of other diameters will be interpolated. 2- For steel pipes with the same steel class but different wall thicknesses, the weight per unit length of the pipe with known unit price shall be taken as basis to determine the unit prices of the other pipes of the said diameter.			
	<b>6- 10 ATM of pressure strength (St 37), External diameter (mm) x Wall thickness (mm)</b>			
10.450.2301	406.4 x 4.00	m	Factory	231,00
10.450.2302	508.0 x 4.00	m	Factory	287,00
10.450.2303	559.0 x 4.00	m	Factory	322,00
10.450.2304	610.0 x 4.76	m	Factory	360,00
10.450.2305	660.0 x 4.76	m	Factory	387,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.2306	711.0 x 4.76	m	Factory	418,00
10.450.2307	762.0 x 5.00	m	Factory	496,00
10.450.2308	812.0 x 6.00	m	Factory	582,00
10.450.2309	864.0 x 6.00	m	Factory	614,00
10.450.2310	914.0 x 6.00	m	Factory	651,00
10.450.2311	1016.0 x 6.00	m	Factory	777,00
10.450.2312	1118.0 x 7.00	m	Factory	847,00
10.450.2313	1219.0 x 7.00	m	Factory	995,00
10.450.2314	1321.0 x 8.00	m	Factory	1.157,00
10.450.2315	1422.0 x 8.80	m	Factory	1.329,00
10.450.2316	1524.0 x 9.60	m	Factory	1.532,00
10.450.2317	1626.0 x 9.60	m	Factory	1.630,00
10.450.2318	1727.0 x 10.40	m	Factory	1.834,00
10.450.2319	1829.0 x 10.40	m	Factory	2.060,00
10.450.2320	1930.0 x 11.20	m	Factory	2.289,00
10.450.2321	2032.0 x 11.20	m	Factory	2.516,00
10.450.2322	2134.0 x 12.70	m	Factory	2.642,00
10.450.2323	2235.0 x 12.70	m	Factory	2.917,00
10.450.2324	2337.0 x 14.30	m	Factory	3.195,00
10.450.2325	2438.0 x 14.30	m	Factory	3.471,00
10.450.2326	2540.0 x 15.90	m	Factory	3.772,00
10.450.2327	2642.0 x 17.46	m	Factory	4.085,00
10.450.2328	2845.0 x 18.20	m	Factory	4.750,00
10.450.2329	3048.0 x 19.10	m	Factory	5.250,00
10.450.2330	3150.0 x 19.87	m	Factory	5.650,00
10.450.2331	3251.0 x 21.46	m	Factory	5.900,00
	<b>16 ATM of pressure strength (St 44), External diameter (mm) x Wall thickness (mm)</b>			
10.450.2351	406.4 x 4.55	m	Factory	301,00
10.450.2352	508.0 x 4.55	m	Factory	345,00
10.450.2353	559.0 x 4.55	m	Factory	377,00
10.450.2354	610.0 x 4.76	m	Factory	401,00
10.450.2355	660.0 x 4.76	m	Factory	429,00
10.450.2356	711.0 x 4.76	m	Factory	445,00
10.450.2357	762.0 x 5.55	m	Factory	520,00
10.450.2358	812.0 x 5.55	m	Factory	538,00
10.450.2359	864.0 x 6.35	m	Factory	637,00
10.450.2360	914.0 x 6.35	m	Factory	668,00
10.450.2361	1016.0 x 7.10	m	Factory	800,00
10.450.2362	1118.0 x 7.10	m	Factory	886,00
10.450.2363	12190 x 7.93	m	Factory	1.042,00
10.450.2364	1321.0 x 7.93	m	Factory	1.124,00
10.450.2365	1422.0 x 7.93	m	Factory	1.210,00
10.450.2366	1524.0 x 9.52	m	Factory	1.484,00
10.450.2367	1626.0 x 10.30	m	Factory	1.683,00
10.450.2368	1727.0 x 11.10	m	Factory	1.892,00
10.450.2369	1829.0 x 11.10	m	Factory	2.011,00

**Market Prices for Construction Materials**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>PURCHASING LOCATION</b>	<b>MARKET PRICE (TRY)</b>
10.450.2370	1930.0 x 11.90	m	Factory	2.238,00
10.450.2371	2032.0 x 11.90	m	Factory	2.358,00
10.450.2372	2134.0 x 12.70	m	Factory	2.603,00
10.450.2373	2235.0 x 12.70	m	Factory	2.733,00
10.450.2374	2337.0 x 13.50	m	Factory	3.008,00
10.450.2375	2438.0 x 14.30	m	Factory	3.286,00
10.450.2376	2540.0 x 14.30	m	Factory	3.426,00
10.450.2377	2642.0 x 15.07	m	Factory	3.725,00
10.450.2378	2845.0 x 16.70	m	Factory	4.500,00
10.450.2379	3048.0 x 18.20	m	Factory	5.000,00
10.450.2380	3150.0 x 19.10	m	Factory	5.400,00
10.450.2381	3251.0 x 19.90	m	Factory	5.650,00
	<b>25 ATM of pressure strength (St 44), External diameter (mm) x Wall thickness (mm)</b>			
10.450.2401	406.4 x 4.76	m	Factory	313,00
10.450.2402	508.0 x 4.76	m	Factory	354,00
10.450.2403	559.0 x 5.55	m	Factory	431,00
10.450.2404	610.0 x 5.55	m	Factory	447,00
10.450.2405	660.0 x 5.55	m	Factory	473,00
10.450.2406	711.0 x 6.35	m	Factory	542,00
10.450.2407	762.0 x 6.35	m	Factory	573,00
10.450.2408	812.0 x 7.10	m	Factory	646,00
10.450.2409	864.0 x 7.93	m	Factory	750,00
10.450.2410	914.0 x 7.93	m	Factory	787,00
10.450.2411	1016.0 x 8.73	m	Factory	937,00
10.450.2412	1118.0 x 9.53	m	Factory	1.107,00
10.450.2413	1219.0 x 10.30	m	Factory	1.277,00
10.450.2414	1321.0 x 11.10	m	Factory	1.466,00
10.450.2415	1422.0 x 12.70	m	Factory	1.756,00
10.450.2416	1524.0 x 13.50	m	Factory	1.970,00
10.450.2417	1626.0 x 14.30	m	Factory	2.211,00
10.450.2418	1727.0 x 15.07	m	Factory	2.451,00
10.450.2419	1829.0 x 15.88	m	Factory	2.717,00
10.450.2420	1930.0 x 16.68	m	Factory	2.990,00
10.450.2421	2032.0 x 17.46	m	Factory	3.272,00
10.450.2422	2134.0 x 18.22	m	Factory	3.571,00
10.450.2423	2235.0 x 19.10	m	Factory	3.898,00
10.450.2424	2337.0 x 19.87	m	Factory	4.217,00
10.450.2425	2438.0 x 21.46	m	Factory	4.700,00
10.450.2426	2540.0 x 21.46	m	Factory	4.897,00
10.450.2427	2642.0 x 23.05	m	Factory	5.428,00
	<b>25 ATM of pressure strength (St 52), External diameter (mm) x Wall thickness (mm)</b>			
10.450.2478	2845.0 x 20.00	m	Factory	5.500,00
10.450.2479	3048.0 x 21.50	m	Factory	5.900,00
10.450.2480	3150.0 x 22.00	m	Factory	6.250,00
10.450.2481	3251.0 x 22.50	m	Factory	6.500,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.2700	Dedicated parts for each diameter size	Kg	Factory	11,00
	<b>DUCTILE CAST IRON POTABLE WATER PIPES</b> (Ductile cast iron pipes) (Class: K9) (TS EN 545) (Prices of sleeves and seals shall be included) Note: Market Prices of other diameters will be interpolated.			
10.450.2701	Ø80 mm nominal diameter	m	Factory	68,00
10.450.2702	Ø100 mm nominal diameter	m	Factory	80,00
10.450.2703	Ø125 mm nominal diameter	m	Factory	85,00
10.450.2704	Ø150 mm nominal diameter	m	Factory	105,00
10.450.2705	Ø200 mm nominal diameter	m	Factory	136,00
10.450.2706	Ø250 mm nominal diameter	m	Factory	176,00
10.450.2707	Ø300 mm nominal diameter	m	Factory	234,00
10.450.2708	Ø350 mm nominal diameter	m	Factory	287,00
10.450.2709	Ø400 mm nominal diameter	m	Factory	341,00
10.450.2710	Ø450 mm nominal diameter	m	Factory	410,00
10.450.2711	Ø500 mm nominal diameter	m	Factory	465,00
10.450.2712	Ø600 mm nominal diameter	m	Factory	616,00
10.450.2713	Ø700 mm nominal diameter	m	Factory	806,00
10.450.2714	Ø800 mm nominal diameter	m	Factory	995,00
10.450.2715	Ø900 mm nominal diameter	m	Factory	1.121,00
10.450.2716	Ø1000 mm nominal diameter	m	Factory	1.305,00
10.450.2717	Ø1200 mm nominal diameter	m	Factory	1.563,00
10.450.2718	Ø1400 mm nominal diameter	m	Factory	1.817,00
10.450.2719	Ø1600 mm nominal diameter	m	Factory	2.072,00
10.450.2720	Ø1800 mm nominal diameter	m	Factory	2.328,00
10.450.2721	Ø2000 mm nominal diameter	m	Factory	2.608,00
10.450.2750	Dedicated parts for each diameter size	Kg	Factory	17,00
	<b>SPIRAL WOUND UNDERGROUND RAINWATER AND SEWER PIPES (PVC-based) (TS 12132)</b> Note: Market Prices of other diameters will be interpolated.			
10.450.2751	Ø800 mm nominal diameter, Type 2	m	Factory	216,00
10.450.2752	Ø1500 mm nominal diameter, Type 2	m	Factory	463,00
10.450.2753	Ø1800 mm nominal diameter, Type 2	m	Factory	638,00
10.450.2754	Ø1900 mm nominal diameter, Type 2	m	Factory	676,00
10.450.2755	Ø2000 mm nominal diameter, Type 2	m	Factory	711,00
10.450.2756	Ø2100 mm nominal diameter, Type 2	m	Factory	840,00
10.450.2757	Ø2200 mm nominal diameter, Type 2	m	Factory	885,00
10.450.2758	Ø2300 mm nominal diameter, Type 2	m	Factory	920,00
10.450.2759	Ø2400 mm nominal diameter, Type 2	m	Factory	961,00
10.450.2760	Ø2500 mm nominal diameter, Type 2	m	Factory	1.005,00
10.450.2761	Ø2600 mm nominal diameter, Type 2	m	Factory	1.040,00
10.450.2781	Ø300 mm nominal diameter, Type 3	m	Factory	46,00
10.450.2782	Ø400 mm nominal diameter, Type 3	m	Factory	92,00
10.450.2783	Ø600 mm nominal diameter, Type 3	m	Factory	157,00
10.450.2784	Ø700 mm nominal diameter, Type 3	m	Factory	192,00
10.450.2785	Ø800 mm nominal diameter, Type 3	m	Factory	248,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.2786	Ø900 mm nominal diameter, Type 3	m	Factory	280,00
10.450.2787	Ø1000 mm nominal diameter, Type 3	m	Factory	312,00
10.450.2788	Ø1200 mm nominal diameter, Type 3	m	Factory	372,00
10.450.2789	Ø1300 mm nominal diameter, Type 3	m	Factory	405,00
10.450.2790	Ø1400 mm nominal diameter, Type 3	m	Factory	435,00
10.450.2791	Ø1500 mm nominal diameter, Type 3	m	Factory	538,00
10.450.2792	Ø1600 mm nominal diameter, Type 3	m	Factory	590,00
10.450.2793	Ø1700 mm nominal diameter, Type 3	m	Factory	607,00
10.450.2794	Ø1800 mm nominal diameter, Type 3	m	Factory	725,00
10.450.2795	Ø1900 mm nominal diameter, Type 3	m	Factory	763,00
10.450.2796	Ø2000 mm nominal diameter, Type 3	m	Factory	802,00
10.450.2811	Ø150 mm nominal diameter, Type 4	m	Factory	27,00
10.450.2812	Ø200 mm nominal diameter, Type 4	m	Factory	30,00
10.450.2813	Ø300 mm nominal diameter, Type 4	m	Factory	77,00
10.450.2814	Ø500 mm nominal diameter, Type 4	m	Factory	127,00
10.450.2815	Ø600 mm nominal diameter, Type 4	m	Factory	185,00
10.450.2816	Ø700 mm nominal diameter, Type 4	m	Factory	216,00
10.450.2817	Ø800 mm nominal diameter, Type 4	m	Factory	285,00
10.450.2818	Ø900 mm nominal diameter, Type 4	m	Factory	322,00
10.450.2819	Ø1000 mm nominal diameter, Type 4	m	Factory	357,00
10.450.2820	Ø1100 mm nominal diameter, Type 4	m	Factory	391,00
10.450.2821	Ø1200 mm nominal diameter, Type 4	m	Factory	427,00
10.450.2822	Ø1300 mm nominal diameter, Type 4	m	Factory	462,00
10.450.2823	Ø1400 mm nominal diameter, Type 4	m	Factory	497,00
10.450.2824	Ø1500 mm nominal diameter, Type 4	m	Factory	607,00
10.450.2825	Ø1600 mm nominal diameter, Type 4	m	Factory	643,00
10.450.2826	Ø1700 mm nominal diameter, Type 4	m	Factory	685,00
10.450.2850	Dedicated parts for each diameter size	Kg	Factory	8,30
	<b>HARD PVC PLASTIC POTABLE WATER PIPES (TS EN ISO 1452-1, TS EN ISO 1452-2) (seal included)</b> Note: Unit prices of other diameters shall be interpolated.			
	<b>Slip-on Bellmouth Pipes</b>			
	<b>Resistance to 6 ATM of pressure</b>			
10.450.2851	Ø450 mm nominal diameter	m	Factory	167,00
10.450.2852	Ø500 mm nominal diameter	m	Factory	207,00
10.450.2853	Ø560 mm nominal diameter	m	Factory	256,00
10.450.2854	Ø630 mm nominal diameter	m	Factory	325,00
10.450.2855	Ø710 mm nominal diameter	m	Factory	424,00
10.450.2856	Ø800 mm nominal diameter	m	Factory	539,00
10.450.2857	Ø900 mm nominal diameter	m	Factory	578,00
10.450.2858	Ø1000 mm nominal diameter	m	Factory	845,00
	<b>Resistance to 10 ATM of pressure</b>			
10.450.2871	Ø450 mm nominal diameter	m	Factory	256,00
10.450.2872	Ø500 mm nominal diameter	m	Factory	313,00
10.450.2873	Ø560 mm nominal diameter	m	Factory	393,00
10.450.2874	Ø630 mm nominal diameter	m	Factory	490,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.2875	Ø710 mm nominal diameter	m	Factory	650,00
10.450.2876	Ø800 mm nominal diameter	m	Factory	825,00
	<b>Resistance to 16 ATM of pressure</b>			
10.450.2891	Ø40 mm nominal diameter	m	Factory	5,85
10.450.2892	Ø80 mm nominal diameter	m	Factory	19,70
10.450.2893	Ø100 mm nominal diameter	m	Factory	24,00
10.450.2894	Ø150 mm nominal diameter	m	Factory	48,00
10.450.2895	Ø200 mm nominal diameter	m	Factory	83,00
10.450.2896	Ø250 mm nominal diameter	m	Factory	129,00
10.450.2897	Ø300 mm nominal diameter	m	Factory	190,00
10.450.2898	Ø400 mm nominal diameter	m	Factory	313,00
10.450.2899	Ø500 mm nominal diameter	m	Factory	497,00
	<b>Stick-on Bellmouth Pipes</b>			
	<b>Resistance to 16 ATM of pressure</b>			
10.450.2901	Ø15 mm nominal diameter	m	Factory	0,89
10.450.2902	Ø32 mm nominal diameter	m	Factory	3,30
10.450.2903	Ø50 mm nominal diameter	m	Factory	8,75
10.450.2904	Ø80 mm nominal diameter	m	Factory	15,90
10.450.2905	Ø100 mm nominal diameter	m	Factory	21,50
10.450.2906	Ø150 mm nominal diameter	m	Factory	43,00
10.450.2907	Ø200 mm nominal diameter	m	Factory	82,00
10.450.2908	Ø250 mm nominal diameter	m	Factory	129,00
10.450.2909	Ø300 mm nominal diameter	m	Factory	162,00
10.450.2910	Ø400 mm nominal diameter	m	Factory	271,00
10.450.2950	Dedicated parts for each diameter size	Kg	Factory	5,45
	<b>HARD PVC PLASTIC POTABLE WATER PIPES (O-PVC) (TS ISO 16422) (seal included)</b> Note: Market Prices of other diameters will be interpolated.			
	<b>Slip-on Bellmouth Pipes</b>			
	<b>Resistance to 10 ATM of pressure</b>			
10.450.2951	Ø110 mm nominal diameter	m	Factory	20,00
10.450.2952	Ø160 mm nominal diameter	m	Factory	39,00
10.450.2953	Ø250 mm nominal diameter	m	Factory	99,00
10.450.2954	Ø315 mm nominal diameter	m	Factory	157,00
10.450.3000	Dedicated parts for each diameter size	Kg	Factory	5,45
	<b>HARD PVC PLASTIC POTABLE WATER PIPES (PVC with lead-free raw material) (TS EN ISO 1452-1, TS EN ISO 1452-2) (seal included)</b> Note: Unit prices of other diameters shall be interpolated.			
	<b>Slip-on Bellmouth Pipes</b>			
	<b>Resistance to 6 ATM of pressure</b>			
10.450.3001	Ø50 mm nominal diameter	m	Factory	3,70
10.450.3002	Ø75 mm nominal diameter	m	Factory	7,00
10.450.3003	Ø110 mm nominal diameter	m	Factory	12,30
10.450.3004	Ø160 mm nominal diameter	m	Factory	26,60
10.450.3005	Ø250 mm nominal diameter	m	Factory	62,00
10.450.3006	Ø315 mm nominal diameter	m	Factory	97,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.3007	Ø450 mm nominal diameter	m	Factory	208,00
10.450.3008	Ø630 mm nominal diameter	m	Factory	469,00
	<b>Resistance to 10 ATM of pressure</b>			
10.450.3021	Ø50 mm nominal diameter	m	Factory	4,70
10.450.3022	Ø75 mm nominal diameter	m	Factory	10,50
10.450.3023	Ø110 mm nominal diameter	m	Factory	19,00
10.450.3024	Ø160 mm nominal diameter	m	Factory	38,00
10.450.3025	Ø250 mm nominal diameter	m	Factory	93,00
10.450.3026	Ø315 mm nominal diameter	m	Factory	151,00
10.450.3027	Ø450 mm nominal diameter	m	Factory	318,00
10.450.3028	Ø630 mm nominal diameter	m	Factory	726,00
	<b>Resistance to 16 ATM of pressure</b>			
10.450.3041	Ø50 mm nominal diameter	m	Factory	7,10
10.450.3042	Ø75 mm nominal diameter	m	Factory	15,90
10.450.3043	Ø110 mm nominal diameter	m	Factory	28,00
10.450.3044	Ø160 mm nominal diameter	m	Factory	58,00
10.450.3045	Ø250 mm nominal diameter	m	Factory	143,00
10.450.3046	Ø315 mm nominal diameter	m	Factory	228,00
	<b>Stick-on Bellmouth Pipes</b>			
	<b>Resistance to 6 ATM of pressure</b>			
10.450.3061	Ø75 mm nominal diameter	m	Factory	7,00
10.450.3062	Ø110 mm nominal diameter	m	Factory	12,20
10.450.3063	Ø160 mm nominal diameter	m	Factory	26,00
10.450.3064	Ø250 mm nominal diameter	m	Factory	60,00
10.450.3065	Ø315 mm nominal diameter	m	Factory	95,00
10.450.3066	Ø400 mm nominal diameter	m	Factory	161,00
	<b>Resistance to 10 ATM of pressure</b>			
10.450.3081	Ø75 mm nominal diameter	m	Factory	10,50
10.450.3082	Ø110 mm nominal diameter	m	Factory	17,50
10.450.3083	Ø160 mm nominal diameter	m	Factory	38,00
10.450.3084	Ø250 mm nominal diameter	m	Factory	92,00
10.450.3085	Ø315 mm nominal diameter	m	Factory	144,00
10.450.3086	Ø400 mm nominal diameter	m	Factory	242,00
	<b>Resistance to 16 ATM of pressure</b>			
10.450.3101	Ø75 mm nominal diameter	m	Factory	15,00
10.450.3102	Ø110 mm nominal diameter	m	Factory	26,00
10.450.3103	Ø160 mm nominal diameter	m	Factory	58,00
10.450.3104	Ø250 mm nominal diameter	m	Factory	137,00
10.450.3105	Ø315 mm nominal diameter	m	Factory	218,00
10.450.3150	Dedicated parts for each diameter size	Kg	Factory	5,50



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>HARD PVC SEWER PIPES (TS EN 1401-1, TSE CEN/TS 1401-2, TS 2171-3 ENV 1401-3) (including the price of the seal) Note: Market Prices of other diameters will be interpolated.</b>			
	<b>Slip-on Bellmouth Pipes</b>			
	<b>Type SN 2 SDR 51 pipes</b>			
10.450.3151	Ø160 mm nominal diameter	m	Factory	16,50
10.450.3152	Ø200 mm nominal diameter	m	Factory	24,00
10.450.3153	Ø315 mm nominal diameter	m	Factory	62,00
10.450.3154	Ø400 mm nominal diameter	m	Factory	100,00
10.450.3155	Ø500 mm nominal diameter	m	Factory	153,00
10.450.3156	Ø630 mm nominal diameter	m	Factory	248,00
10.450.3157	Ø710 mm nominal diameter	m	Factory	318,00
10.450.3158	Ø800 mm nominal diameter	m	Factory	408,00
10.450.3159	Ø1000 mm nominal diameter	m	Factory	638,00
	<b>Type SN 4 SDR 41 pipes</b>			
10.450.3171	Ø110 mm nominal diameter	m	Factory	11,50
10.450.3172	Ø160 mm nominal diameter	m	Factory	21,50
10.450.3173	Ø200 mm nominal diameter	m	Factory	31,50
10.450.3174	Ø315 mm nominal diameter	m	Factory	77,00
10.450.3175	Ø400 mm nominal diameter	m	Factory	123,00
10.450.3176	Ø500 mm nominal diameter	m	Factory	196,00
10.450.3177	Ø630 mm nominal diameter	m	Factory	311,00
10.450.3178	Ø800 mm nominal diameter	m	Factory	509,00
10.450.3179	Ø1000 mm nominal diameter	m	Factory	796,00
	<b>Type SN 8 SDR 34 pipes</b>			
10.450.3191	Ø110 mm nominal diameter	m	Factory	11,50
10.450.3192	Ø160 mm nominal diameter	m	Factory	24,50
10.450.3193	Ø200 mm nominal diameter	m	Factory	36,00
10.450.3194	Ø300 mm nominal diameter	m	Factory	90,00
10.450.3195	Ø400 mm nominal diameter	m	Factory	147,00
10.450.3196	Ø500 mm nominal diameter	m	Factory	229,00
10.450.3197	Ø630 mm nominal diameter	m	Factory	368,00
10.450.3300	Dedicated parts for each diameter size	Kg	Factory	5,00
	<b>FIBERGLASS-REINFORCED (CTP) PLASTIC PIPES (TS EN 1796) Note: Unit prices of other diameters shall be interpolated. (Prices of sleeves and seals shall be included) (Prices of sleeves for standard pipe sizes shall be included in the price of the pipe, and if a pipe of non-standard size is used, additional sleeves shall be charged separately.)</b>			
	<b>Resistance to 4 ATM of pressure (SN 2500)</b>			
10.450.3301	Ø300 mm nominal diameter	m	Factory	75,00
10.450.3302	Ø400 mm nominal diameter	m	Factory	104,00
10.450.3303	Ø600 mm nominal diameter	m	Factory	191,00
10.450.3304	Ø800 mm nominal diameter	m	Factory	290,00
10.450.3305	Ø1000 mm nominal diameter	m	Factory	415,00
10.450.3306	Ø1200 mm nominal diameter	m	Factory	540,00
10.450.3307	Ø1400 mm nominal diameter	m	Factory	705,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.3308	Ø1600 mm nominal diameter	m	Factory	912,00
10.450.3309	Ø1800 mm nominal diameter	m	Factory	1.161,00
10.450.3310	Ø2000 mm nominal diameter	m	Factory	1.411,00
10.450.3311	Ø2200 mm nominal diameter	m	Factory	1.660,00
10.450.3312	Ø2400 mm nominal diameter	m	Factory	1.992,00
10.450.3313	Ø2600 mm nominal diameter	m	Factory	2.325,00
10.450.3314	Ø2800 mm nominal diameter	m	Factory	2.656,00
10.450.3315	Ø3000 mm nominal diameter	m	Factory	3.030,00
10.450.3316	Ø3200 mm nominal diameter	m	Factory	3.402,00
10.450.3317	Ø3400 mm nominal diameter	m	Factory	3.901,00
10.450.3318	Ø3600 mm nominal diameter	m	Factory	4.483,00
10.450.3319	Ø3800 mm nominal diameter	m	Factory	5.062,00
10.450.3320	Ø4000 mm nominal diameter	m	Factory	5.645,00
	<b>Resistance to 6 ATM of pressure (SN 2500)</b>			
10.450.3341	Ø300 mm nominal diameter	m	Factory	84,00
10.450.3342	Ø400 mm nominal diameter	m	Factory	122,00
10.450.3343	Ø600 mm nominal diameter	m	Factory	200,00
10.450.3344	Ø800 mm nominal diameter	m	Factory	298,00
10.450.3345	Ø1000 mm nominal diameter	m	Factory	431,00
10.450.3346	Ø1200 mm nominal diameter	m	Factory	565,00
10.450.3347	Ø1400 mm nominal diameter	m	Factory	730,00
10.450.3348	Ø1600 mm nominal diameter	m	Factory	946,00
10.450.3349	Ø1800 mm nominal diameter	m	Factory	1.213,00
10.450.3350	Ø2000 mm nominal diameter	m	Factory	1.468,00
10.450.3351	Ø2200 mm nominal diameter	m	Factory	1.726,00
10.450.3352	Ø2400 mm nominal diameter	m	Factory	2.075,00
10.450.3353	Ø2600 mm nominal diameter	m	Factory	2.407,00
10.450.3354	Ø2800 mm nominal diameter	m	Factory	2.756,00
10.450.3355	Ø3000 mm nominal diameter	m	Factory	3.156,00
10.450.3356	Ø3200 mm nominal diameter	m	Factory	3.537,00
10.450.3357	Ø3400 mm nominal diameter	m	Factory	4.066,00
10.450.3358	Ø3600 mm nominal diameter	m	Factory	4.681,00
10.450.3359	Ø3800 mm nominal diameter	m	Factory	5.281,00
10.450.3360	Ø4000 mm nominal diameter	m	Factory	5.877,00
	<b>Resistance to 10 ATM of pressure (SN 2500)</b>			
10.450.3381	Ø300 mm nominal diameter	m	Factory	94,00
10.450.3382	Ø400 mm nominal diameter	m	Factory	141,00
10.450.3383	Ø600 mm nominal diameter	m	Factory	202,00
10.450.3384	Ø800 mm nominal diameter	m	Factory	303,00
10.450.3385	Ø1000 mm nominal diameter	m	Factory	440,00
10.450.3386	Ø1200 mm nominal diameter	m	Factory	572,00
10.450.3387	Ø1400 mm nominal diameter	m	Factory	747,00
10.450.3388	Ø1600 mm nominal diameter	m	Factory	963,00
10.450.3389	Ø1800 mm nominal diameter	m	Factory	1.236,00
10.450.3390	Ø2000 mm nominal diameter	m	Factory	1.495,00
10.450.3391	Ø2200 mm nominal diameter	m	Factory	1.760,00
10.450.3392	Ø2400 mm nominal diameter	m	Factory	2.117,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.3393	Ø2600 mm nominal diameter	m	Factory	2.456,00
10.450.3394	Ø2800 mm nominal diameter	m	Factory	2.807,00
10.450.3395	Ø3000 mm nominal diameter	m	Factory	3.221,00
10.450.3396	Ø3200 mm nominal diameter	m	Factory	3.603,00
10.450.3397	Ø3400 mm nominal diameter	m	Factory	4.150,00
10.450.3398	Ø3600 mm nominal diameter	m	Factory	4.762,00
10.450.3399	Ø3800 mm nominal diameter	m	Factory	5.375,00
10.450.3400	Ø4000 mm nominal diameter	m	Factory	5.993,00
	<b>Resistance to 16 ATM of pressure (SN 2500)</b>			
10.450.3421	Ø300 mm nominal diameter	m	Factory	111,00
10.450.3422	Ø400 mm nominal diameter	m	Factory	159,00
10.450.3423	Ø600 mm nominal diameter	m	Factory	232,00
10.450.3424	Ø800 mm nominal diameter	m	Factory	350,00
10.450.3425	Ø1000 mm nominal diameter	m	Factory	506,00
10.450.3426	Ø1200 mm nominal diameter	m	Factory	657,00
10.450.3427	Ø1400 mm nominal diameter	m	Factory	863,00
10.450.3428	Ø1600 mm nominal diameter	m	Factory	1.103,00
10.450.3429	Ø1800 mm nominal diameter	m	Factory	1.468,00
10.450.3430	Ø2000 mm nominal diameter	m	Factory	1.718,00
10.450.3431	Ø2200 mm nominal diameter	m	Factory	2.025,00
10.450.3432	Ø2400 mm nominal diameter	m	Factory	2.432,00
10.450.3433	Ø2600 mm nominal diameter	m	Factory	2.825,00
10.450.3434	Ø2800 mm nominal diameter	m	Factory	3.222,00
10.450.3435	Ø3000 mm nominal diameter	m	Factory	3.850,00
	<b>Resistance to 20 ATM of pressure (SN 2500)</b>			
10.450.3461	Ø300 mm nominal diameter	m	Factory	131,00
10.450.3462	Ø400 mm nominal diameter	m	Factory	208,00
10.450.3463	Ø600 mm nominal diameter	m	Factory	257,00
10.450.3464	Ø800 mm nominal diameter	m	Factory	382,00
10.450.3465	Ø1000 mm nominal diameter	m	Factory	556,00
10.450.3466	Ø1200 mm nominal diameter	m	Factory	725,00
10.450.3467	Ø1400 mm nominal diameter	m	Factory	947,00
10.450.3468	Ø1600 mm nominal diameter	m	Factory	1.213,00
10.450.3469	Ø1800 mm nominal diameter	m	Factory	1.562,00
10.450.3470	Ø2000 mm nominal diameter	m	Factory	1.893,00
	<b>Resistance to 4 ATM of pressure (SN 5000)</b>			
10.450.3501	Ø300 mm nominal diameter	m	Factory	84,00
10.450.3502	Ø400 mm nominal diameter	m	Factory	122,00
10.450.3503	Ø600 mm nominal diameter	m	Factory	217,00
10.450.3504	Ø800 mm nominal diameter	m	Factory	325,00
10.450.3505	Ø1000 mm nominal diameter	m	Factory	465,00
10.450.3506	Ø1200 mm nominal diameter	m	Factory	605,00
10.450.3507	Ø1400 mm nominal diameter	m	Factory	788,00
10.450.3508	Ø1600 mm nominal diameter	m	Factory	1.022,00
10.450.3509	Ø1800 mm nominal diameter	m	Factory	1.302,00
10.450.3510	Ø2000 mm nominal diameter	m	Factory	1.578,00
10.450.3511	Ø2200 mm nominal diameter	m	Factory	1.860,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.3512	Ø2400 mm nominal diameter	m	Factory	2.232,00
10.450.3513	Ø2600 mm nominal diameter	m	Factory	2.607,00
10.450.3514	Ø2800 mm nominal diameter	m	Factory	2.972,00
10.450.3515	Ø3000 mm nominal diameter	m	Factory	3.395,00
10.450.3516	Ø3200 mm nominal diameter	m	Factory	3.818,00
10.450.3517	Ø3400 mm nominal diameter	m	Factory	4.367,00
10.450.3518	Ø3600 mm nominal diameter	m	Factory	5.022,00
10.450.3519	Ø3800 mm nominal diameter	m	Factory	5.670,00
10.450.3520	Ø4000 mm nominal diameter	m	Factory	6.308,00
	<b>Resistance to 6 ATM of pressure (SN 5000)</b>			
10.450.3541	Ø300 mm nominal diameter	m	Factory	98,00
10.450.3542	Ø400 mm nominal diameter	m	Factory	141,00
10.450.3543	Ø600 mm nominal diameter	m	Factory	232,00
10.450.3544	Ø800 mm nominal diameter	m	Factory	332,00
10.450.3545	Ø1000 mm nominal diameter	m	Factory	482,00
10.450.3546	Ø1200 mm nominal diameter	m	Factory	628,00
10.450.3547	Ø1400 mm nominal diameter	m	Factory	781,00
10.450.3548	Ø1600 mm nominal diameter	m	Factory	1.062,00
10.450.3549	Ø1800 mm nominal diameter	m	Factory	1.353,00
10.450.3550	Ø2000 mm nominal diameter	m	Factory	1.645,00
10.450.3551	Ø2200 mm nominal diameter	m	Factory	1.933,00
10.450.3552	Ø2400 mm nominal diameter	m	Factory	2.325,00
10.450.3553	Ø2600 mm nominal diameter	m	Factory	2.698,00
10.450.3554	Ø2800 mm nominal diameter	m	Factory	3.087,00
10.450.3555	Ø3000 mm nominal diameter	m	Factory	3.537,00
10.450.3556	Ø3200 mm nominal diameter	m	Factory	3.958,00
10.450.3557	Ø3400 mm nominal diameter	m	Factory	4.557,00
10.450.3558	Ø3600 mm nominal diameter	m	Factory	5.222,00
10.450.3559	Ø3800 mm nominal diameter	m	Factory	5.912,00
10.450.3560	Ø4000 mm nominal diameter	m	Factory	6.582,00
	<b>Resistance to 10 ATM of pressure (SN 5000)</b>			
10.450.3581	Ø300 mm nominal diameter	m	Factory	105,00
10.450.3582	Ø400 mm nominal diameter	m	Factory	159,00
10.450.3583	Ø600 mm nominal diameter	m	Factory	235,00
10.450.3584	Ø800 mm nominal diameter	m	Factory	341,00
10.450.3585	Ø1000 mm nominal diameter	m	Factory	491,00
10.450.3586	Ø1200 mm nominal diameter	m	Factory	638,00
10.450.3587	Ø1400 mm nominal diameter	m	Factory	838,00
10.450.3588	Ø1600 mm nominal diameter	m	Factory	1.080,00
10.450.3589	Ø1800 mm nominal diameter	m	Factory	1.387,00
10.450.3590	Ø2000 mm nominal diameter	m	Factory	1.677,00
10.450.3591	Ø2200 mm nominal diameter	m	Factory	1.976,00
10.450.3592	Ø2400 mm nominal diameter	m	Factory	2.375,00
10.450.3593	Ø2600 mm nominal diameter	m	Factory	2.756,00
10.450.3594	Ø2800 mm nominal diameter	m	Factory	3.140,00
10.450.3595	Ø3000 mm nominal diameter	m	Factory	3.603,00
10.450.3596	Ø3200 mm nominal diameter	m	Factory	4.035,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.3597	Ø3400 mm nominal diameter	m	Factory	4.648,00
10.450.3598	Ø3600 mm nominal diameter	m	Factory	5.338,00
10.450.3599	Ø3800 mm nominal diameter	m	Factory	6.028,00
10.450.3600	Ø4000 mm nominal diameter	m	Factory	6.707,00
	<b>Resistance to 16 ATM of pressure (SN 5000)</b>			
10.450.3621	Ø300 mm nominal diameter	m	Factory	136,00
10.450.3622	Ø400 mm nominal diameter	m	Factory	179,00
10.450.3623	Ø600 mm nominal diameter	m	Factory	269,00
10.450.3624	Ø800 mm nominal diameter	m	Factory	391,00
10.450.3625	Ø1000 mm nominal diameter	m	Factory	565,00
10.450.3626	Ø1200 mm nominal diameter	m	Factory	731,00
10.450.3627	Ø1400 mm nominal diameter	m	Factory	963,00
10.450.3628	Ø1600 mm nominal diameter	m	Factory	1.236,00
10.450.3629	Ø1800 mm nominal diameter	m	Factory	1.595,00
10.450.3630	Ø2000 mm nominal diameter	m	Factory	1.926,00
10.450.3631	Ø2200 mm nominal diameter	m	Factory	2.275,00
10.450.3632	Ø2400 mm nominal diameter	m	Factory	2.722,00
10.450.3633	Ø2600 mm nominal diameter	m	Factory	3.156,00
10.450.3634	Ø2800 mm nominal diameter	m	Factory	3.603,00
10.450.3635	Ø3000 mm nominal diameter	m	Factory	4.151,00
	<b>Resistance to 20 ATM of pressure (SN 5000)</b>			
10.450.3661	Ø300 mm nominal diameter	m	Factory	149,00
10.450.3662	Ø400 mm nominal diameter	m	Factory	228,00
10.450.3663	Ø600 mm nominal diameter	m	Factory	301,00
10.450.3664	Ø800 mm nominal diameter	m	Factory	425,00
10.450.3665	Ø1000 mm nominal diameter	m	Factory	622,00
10.450.3666	Ø1200 mm nominal diameter	m	Factory	806,00
10.450.3667	Ø1400 mm nominal diameter	m	Factory	1.062,00
10.450.3668	Ø1600 mm nominal diameter	m	Factory	1.356,00
10.450.3669	Ø1800 mm nominal diameter	m	Factory	1.743,00
10.450.3670	Ø2000 mm nominal diameter	m	Factory	2.118,00
	<b>Resistance to 4 ATM of pressure (SN 10000)</b>			
10.450.3701	Ø300 mm nominal diameter	m	Factory	94,00
10.450.3702	Ø400 mm nominal diameter	m	Factory	141,00
10.450.3703	Ø600 mm nominal diameter	m	Factory	249,00
10.450.3704	Ø800 mm nominal diameter	m	Factory	365,00
10.450.3705	Ø1000 mm nominal diameter	m	Factory	523,00
10.450.3706	Ø1200 mm nominal diameter	m	Factory	657,00
10.450.3707	Ø1400 mm nominal diameter	m	Factory	881,00
10.450.3708	Ø1600 mm nominal diameter	m	Factory	1.147,00
10.450.3709	Ø1800 mm nominal diameter	m	Factory	1.462,00
10.450.3710	Ø2000 mm nominal diameter	m	Factory	1.768,00
10.450.3711	Ø2200 mm nominal diameter	m	Factory	2.085,00
10.450.3712	Ø2400 mm nominal diameter	m	Factory	2.491,00
10.450.3713	Ø2600 mm nominal diameter	m	Factory	2.922,00
10.450.3714	Ø2800 mm nominal diameter	m	Factory	3.321,00
10.450.3715	Ø3000 mm nominal diameter	m	Factory	3.820,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.3716	Ø3200 mm nominal diameter	m	Factory	4.275,00
10.450.3717	Ø3400 mm nominal diameter	m	Factory	4.888,00
10.450.3718	Ø3600 mm nominal diameter	m	Factory	5.628,00
10.450.3719	Ø3800 mm nominal diameter	m	Factory	6.350,00
10.450.3720	Ø4000 mm nominal diameter	m	Factory	7.056,00
	<b>Resistance to 6 ATM of pressure (SN 10000)</b>			
10.450.3741	Ø300 mm nominal diameter	m	Factory	111,00
10.450.3742	Ø400 mm nominal diameter	m	Factory	159,00
10.450.3743	Ø600 mm nominal diameter	m	Factory	260,00
10.450.3744	Ø800 mm nominal diameter	m	Factory	373,00
10.450.3745	Ø1000 mm nominal diameter	m	Factory	538,00
10.450.3746	Ø1200 mm nominal diameter	m	Factory	706,00
10.450.3747	Ø1400 mm nominal diameter	m	Factory	913,00
10.450.3748	Ø1600 mm nominal diameter	m	Factory	1.187,00
10.450.3749	Ø1800 mm nominal diameter	m	Factory	1.512,00
10.450.3750	Ø2000 mm nominal diameter	m	Factory	1.845,00
10.450.3751	Ø2200 mm nominal diameter	m	Factory	2.166,00
10.450.3752	Ø2400 mm nominal diameter	m	Factory	2.607,00
10.450.3753	Ø2600 mm nominal diameter	m	Factory	3.021,00
10.450.3754	Ø2800 mm nominal diameter	m	Factory	3.462,00
10.450.3755	Ø3000 mm nominal diameter	m	Factory	3.958,00
10.450.3756	Ø3200 mm nominal diameter	m	Factory	4.433,00
10.450.3757	Ø3400 mm nominal diameter	m	Factory	5.106,00
10.450.3758	Ø3600 mm nominal diameter	m	Factory	5.843,00
10.450.3759	Ø3800 mm nominal diameter	m	Factory	6.625,00
10.450.3760	Ø4000 mm nominal diameter	m	Factory	7.375,00
	<b>Resistance to 10 ATM of pressure (SN 10000)</b>			
10.450.3781	Ø300 mm nominal diameter	m	Factory	120,00
10.450.3782	Ø400 mm nominal diameter	m	Factory	179,00
10.450.3783	Ø600 mm nominal diameter	m	Factory	260,00
10.450.3784	Ø800 mm nominal diameter	m	Factory	382,00
10.450.3785	Ø1000 mm nominal diameter	m	Factory	550,00
10.450.3786	Ø1200 mm nominal diameter	m	Factory	715,00
10.450.3787	Ø1400 mm nominal diameter	m	Factory	937,00
10.450.3788	Ø1600 mm nominal diameter	m	Factory	1.213,00
10.450.3789	Ø1800 mm nominal diameter	m	Factory	1.552,00
10.450.3790	Ø2000 mm nominal diameter	m	Factory	1.877,00
10.450.3791	Ø2200 mm nominal diameter	m	Factory	2.208,00
10.450.3792	Ø2400 mm nominal diameter	m	Factory	2.656,00
10.450.3793	Ø2600 mm nominal diameter	m	Factory	3.087,00
10.450.3794	Ø2800 mm nominal diameter	m	Factory	3.512,00
10.450.3795	Ø3000 mm nominal diameter	m	Factory	4.035,00
10.450.3796	Ø3200 mm nominal diameter	m	Factory	4.516,00
10.450.3797	Ø3400 mm nominal diameter	m	Factory	5.197,00
10.450.3798	Ø3600 mm nominal diameter	m	Factory	5.976,00
10.450.3799	Ø3800 mm nominal diameter	m	Factory	6.748,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.3800	Ø4000 mm nominal diameter	m	Factory	7.512,00
	<b>Resistance to 16 ATM of pressure (SN 10000)</b>			
10.450.3821	Ø300 mm nominal diameter	m	Factory	149,00
10.450.3822	Ø400 mm nominal diameter	m	Factory	196,00
10.450.3823	Ø600 mm nominal diameter	m	Factory	301,00
10.450.3824	Ø800 mm nominal diameter	m	Factory	440,00
10.450.3825	Ø1000 mm nominal diameter	m	Factory	631,00
10.450.3826	Ø1200 mm nominal diameter	m	Factory	815,00
10.450.3827	Ø1400 mm nominal diameter	m	Factory	1.080,00
10.450.3828	Ø1600 mm nominal diameter	m	Factory	1.387,00
10.450.3829	Ø1800 mm nominal diameter	m	Factory	1.785,00
10.450.3830	Ø2000 mm nominal diameter	m	Factory	2.158,00
10.450.3831	Ø2200 mm nominal diameter	m	Factory	2.550,00
10.450.3832	Ø2400 mm nominal diameter	m	Factory	3.047,00
10.450.3833	Ø2600 mm nominal diameter	m	Factory	3.537,00
10.450.3834	Ø2800 mm nominal diameter	m	Factory	4.035,00
10.450.3835	Ø3000 mm nominal diameter	m	Factory	4.650,00
	<b>Resistance to 20 ATM of pressure (SN 10000)</b>			
10.450.3861	Ø300 mm nominal diameter	m	Factory	169,00
10.450.3862	Ø400 mm nominal diameter	m	Factory	253,00
10.450.3863	Ø600 mm nominal diameter	m	Factory	338,00
10.450.3864	Ø800 mm nominal diameter	m	Factory	472,00
10.450.3865	Ø1000 mm nominal diameter	m	Factory	697,00
10.450.3866	Ø1200 mm nominal diameter	m	Factory	903,00
10.450.3867	Ø1400 mm nominal diameter	m	Factory	1.187,00
10.450.3868	Ø1600 mm nominal diameter	m	Factory	1.512,00
10.450.3869	Ø1800 mm nominal diameter	m	Factory	1.952,00
10.450.3870	Ø2000 mm nominal diameter	m	Factory	2.375,00
10.450.4000	Dedicated parts for each diameter size	Kg	Factory	23,00
	<b>Concrete and Reinforced Concrete Pipes (with Steam-cured Bellmouth Couplings) (TS 821 EN 1916)</b>			
10.450.4001	1500-mm-long concrete pipes with Ø150-mm internal diameter and 30-40-mm thickness	Qty	On the job	14,60
10.450.4002	1500-mm-long concrete pipes with Ø200-mm internal diameter and 30-40-mm thickness	Qty	On the job	21,30
10.450.4003	1500-mm-long concrete pipes with Ø300-mm internal diameter and 45-50-mm thickness	Qty	On the job	34,00
10.450.4004	1500-mm-long concrete pipes with Ø400-mm internal diameter and 50-60-mm thickness	Qty	On the job	55,00
10.450.4005	2000-mm-long concrete pipes with Ø500-mm internal diameter and 60-70-mm thickness	Qty	On the job	98,00
10.450.4006	2000-mm-long concrete pipes with Ø600-mm internal diameter and 70-80-mm thickness	Qty	On the job	119,00
10.450.4007	2000-mm-long reinforced concrete pipes with Ø800-mm internal diameter and 90-95-mm thickness	Qty	On the job	279,00
10.450.4008	2000-mm-long reinforced concrete pipes with Ø1000-mm internal diameter and 105-120-mm thickness	Qty	On the job	392,00
10.450.4009	2000-mm-long reinforced concrete pipes with Ø1200-mm internal diameter and 120-140-mm thickness	Qty	On the job	533,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.4010	2000-mm-long reinforced concrete pipes with Ø1400-mm internal diameter and 140-160-mm thickness	Qty	On the job	699,00
10.450.4021	1500-mm-long concrete pipes with integrated seal, Ø150-mm internal diameter and 30-40-mm thickness	Qty	On the job	22,60
10.450.4022	1500-mm-long concrete pipes with integrated seal, Ø200-mm internal diameter and 30-40-mm thickness	Qty	On the job	27,90
10.450.4023	1500-mm-long concrete pipes with integrated seal, Ø300-mm internal diameter and 45-50-mm thickness	Qty	On the job	45,00
10.450.4024	1500-mm-long concrete pipes with integrated seal, Ø400-mm internal diameter and 50-60-mm thickness	Qty	On the job	70,00
10.450.4025	2000-mm-long concrete pipes with integrated seal, Ø500-mm internal diameter and 60-70-mm thickness	Qty	On the job	126,00
10.450.4026	2000-mm-long concrete pipes with integrated seal, Ø600-mm internal diameter and 70-80-mm thickness	Qty	On the job	154,00
10.450.4027	2000-mm-long reinforced concrete pipes with integrated seal, Ø800-mm internal diameter and 90-100-mm thickness	Qty	On the job	392,00
10.450.4028	2000-mm-long reinforced concrete pipes with integrated seal, Ø1000-mm internal diameter and 110-115-mm thickness	Qty	On the job	459,00
10.450.4029	2000-mm-long reinforced concrete pipes with integrated seal, Ø1200-mm internal diameter and 135-mm thickness	Qty	On the job	625,00
10.450.4030	2000-mm-long reinforced concrete pipes with integrated seal, Ø1400-mm internal diameter and 140-150-mm thickness	Qty	On the job	840,00
	<b>CONCRETE INSPECTION CHAMBERS (TS EN 1917)</b>			
	<b>Inspection Chamber Base Slab (Steam-cured)</b>			
10.450.4051	Inspection Chamber with Ø1000-mm internal diameter and Ø200/300/400-mm Entrance - Exit diameter	Qty	On the job	255,00
10.450.4052	Inspection Chamber with Ø1000-mm internal diameter and Ø500/600-mm Entrance - Exit diameter	Qty	On the job	333,00
10.450.4053	Inspection Chamber with Ø1200-mm internal diameter and Ø200/300/400-mm Entrance - Exit diameter	Qty	On the job	357,00
10.450.4054	Inspection Chamber with Ø1200-mm internal diameter and Ø500/600-mm Entrance - Exit diameter	Qty	On the job	440,00
10.450.4055	Inspection Chamber with Ø1200-mm internal diameter and Ø800-mm Entrance - Exit diameter	Qty	On the job	595,00
10.450.4056	Inspection Chamber with Ø1200-mm internal diameter and Ø1000/1200-mm Entrance - Exit diameter	Qty	On the job	755,00
10.450.4057	Inspection Chamber with Ø1400-mm internal diameter and Ø1400-mm Entrance - Exit diameter	Qty	On the job	1.070,00
	<b>Concrete Manhole Collar (Steam-cured)</b>			
10.450.4081	Inspection chamber ring with Ø1000-mm internal diameter (13-15 cm wall thickness) (h: 350 mm)	Qty	On the job	49,00
10.450.4082	Inspection chamber ring with Ø1000-mm internal diameter (13-15 cm wall thickness) (h: 600 mm)	Qty	On the job	77,00
10.450.4083	Inspection chamber ring with Ø1200-mm internal diameter (13-15 cm wall thickness) (h: 600 mm)	Qty	On the job	167,00
10.450.4084	Inspection chamber ring with Ø1200-mm internal diameter (13-15 cm wall thickness) (h: 350 mm)	Qty	On the job	105,00
	<b>Manhole Cone (Steam-cured)</b>			



**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.4101	Inspection Chamber Cone with Ø1000/620 internal diameter (h: 650 mm)	Qty	On the job	105,00
10.450.4102	Inspection Chamber Cone with Ø1200/620 internal diameter (h: 780 mm)	Qty	On the job	167,00
	<b>Manhole Neck Ring (Steam-cured)</b>			
10.450.4111	Manhole neck ring with Ø620-mm internal diameter (13-15 cm wall thickness) (h: 250 mm)	Qty	On the job	49,00
	<b>Frame Installation Component (Steam-cured)</b>			
10.450.4121	Inspection chamber frame installation component (h: 180 - 300 mm)	Qty	On the job	62,00
	<b>Manhole Base Slab (Steam-cured)</b>			
10.450.4131	base slab with 800x800-mm internal size and Ø150/200-mm entrance (10 cm wall thickness)	Qty	On the job	133,00
	<b>Manhole Chamber - Riser (Steam-Cured)</b>			
10.450.4141	Manhole chamber with 800x800-mm internal size (h: 500 mm) (10 cm wall thickness)	Qty	On the job	69,00
10.450.4142	Manhole chamber with 800x800-mm internal size (h: 250 mm) (10 cm wall thickness)	Qty	On the job	42,00
	<b>Manhole Cover (Steam-cured)</b>			
10.450.4151	100x50-cm manhole cover (without frame) (10 cm wall thickness)	Qty	On the job	42,00
10.450.4152	100x50-cm manhole cover (with frame) (10 cm wall thickness)	Qty	On the job	83,00
	<b>RUBBER SEALS (Hardness class 50, in compliance with TS EN 681-1)</b>			
	<b>O-ring seals</b>			
10.450.4201	Ø150 mm	Qty	On the job	1,68
10.450.4202	Ø200 mm	Qty	On the job	3,50
10.450.4203	Ø300 mm	Qty	On the job	6,10
10.450.4204	Ø400 mm	Qty	On the job	7,20
10.450.4205	Ø500 mm	Qty	On the job	9,70
10.450.4206	Ø600 mm	Qty	On the job	11,00
10.450.4207	Ø700 mm	Qty	On the job	12,20
10.450.4208	Ø800 mm	Qty	On the job	15,70
10.450.4209	Ø1000 mm	Qty	On the job	21,00
10.450.4210	Ø1200 mm	Qty	On the job	26,00
10.450.4211	Ø1400 mm	Qty	On the job	39,00
10.450.4212	Ø1600 mm	Qty	On the job	44,00
10.450.4213	Ø1800 mm	Qty	On the job	53,00
10.450.4214	Ø2000 mm	Qty	On the job	65,00
10.450.4215	Ø2200 mm	Qty	On the job	70,00
10.450.4216	Ø2400 mm	Qty	On the job	76,00
10.450.4217	Ø2600 mm	Qty	On the job	85,00
10.450.4218	Ø2800 mm	Qty	On the job	91,00
10.450.4219	Ø3000 mm	Qty	On the job	99,00
	<b>Single-clamped seals</b>			
10.450.4231	Ø600 mm	Qty	On the job	13,00
10.450.4232	Ø1000 mm	Qty	On the job	21,00

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.4233	Ø1200 mm	Qty	On the job	27,00
	<b>Two-clamped seals</b>			
10.450.4251	Ø600 mm	Qty	On the job	18,00
10.450.4252	Ø1000 mm	Qty	On the job	32,00
10.450.4253	Ø1200 mm	Qty	On the job	37,00
10.450.4254	Ø1400 mm	Qty	On the job	62,00
10.450.4255	Ø1600 mm	Qty	On the job	67,00
10.450.4256	Ø1800 mm	Qty	On the job	88,00
10.450.4257	Ø2000 mm	Qty	On the job	108,00
10.450.4258	Ø2200 mm	Qty	On the job	129,00
10.450.4259	Ø2400 mm	Qty	On the job	141,00
10.450.4260	Ø2600 mm	Qty	On the job	150,00
10.450.4261	Ø2800 mm	Qty	On the job	192,00
10.450.4262	Ø3000 mm	Qty	On the job	231,00
	<b>Integrated seals (in compliance with TS 681-1, hardness class: 50 or 40-70 CO-EXT) (double hardness)</b>			
10.450.4271	Ø150 mm	Qty	On the job	3,23
10.450.4272	Ø200 mm	Qty	On the job	3,70
10.450.4273	Ø300 mm	Qty	On the job	8,00
10.450.4274	Ø400 mm	Qty	On the job	12,00
10.450.4275	Ø500 mm	Qty	On the job	15,00
10.450.4276	Ø600 mm	Qty	On the job	18,00
10.450.4277	Ø800 mm	Qty	On the job	38,00
10.450.4278	Ø1000 mm	Qty	On the job	49,00
10.450.4279	Ø1200 mm	Qty	On the job	58,00
10.450.4280	Ø1400 mm	Qty	On the job	130,00
10.450.4281	Ø1600 mm	Qty	On the job	156,00
10.450.4282	Ø1800 mm	Qty	On the job	173,00
10.450.4283	Ø2000 mm	Qty	On the job	192,00
10.450.4284	Ø2200 mm	Qty	On the job	212,00
	<b>PE-BASED MANHOLE OR INSPECTION CHAMBER COMPONENTS (TS EN 13598-2)</b>			
10.450.4301	PE-based manhole or inspection chamber cover, Ø600 mm in nominal diameter (Regular, Locked, Sealed type, including installation components) (TS EN 124-6 - A15)	Qty	On the job	155,00
10.450.4302	PE-based Manhole or Inspection Chamber neck ring, Ø600 mm in nominal diameter (H=0.40 m)	Qty	On the job	215,00
10.450.4303	Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø600 mm in nominal diameter (H = 0.80 m) - Outlet: 200 mm	Qty	On the job	320,00
10.450.4311	PE-based Street Outlet Ø400 mm in nominal diameter - Street manhole with 200 mm outlet	Qty	On the job	270,00
10.450.4312	PE-based Street Outlet Ø400 mm in nominal diameter - Street manhole with 200 mm outlet - Bottom outlet	Qty	On the job	270,00
10.450.4313	PE-based House Connection Manhole in Ø400 mm nominal diameter, 1 Entrance / 1 Exit - 200/160 mm (H = 0.80 m)	Qty	On the job	180,00

**Market Prices for Construction Materials**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>PURCHASING LOCATION</b>	<b>MARKET PRICE (TRY)</b>
10.450.4314	PE-based House Connection Manhole in Ø400 mm nominal diameter, 3 Entrances / 1 Exit - 200/160 mm (H = 0.80 m)	Qty	On the job	180,00
10.450.4315	PE-based house connection manhole cover that is Ø400 mm in diameter (Regular, Locked, Sealed type, including installation components) (TS EN 124-6 - B125)	Qty	On the job	150,00
10.450.4331	Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H = 0.80 m)	Qty	On the job	330,00
10.450.4332	Prefabricated chamber ring with steps for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H = 0.50 m)	Qty	On the job	340,00
10.450.4333	Prefabricated chamber ring with steps for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H = 1.00 m)	Qty	On the job	510,00
10.450.4334	Prefabricated stepped taper for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H = 0.45 m)	Qty	On the job	305,00
10.450.4335	Prefabricated stepped taper for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H = 0.70 m)	Qty	On the job	360,00
10.450.4336	Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H = 0.80 m) - Outlet: 300/200 mm	Qty	On the job	360,00
10.450.4337	Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø800 mm in nominal diameter (H=0.80 m) - Entrance 300/200 mm - Exit 300/200 mm	Qty	On the job	360,00
10.450.4338	Prefabricated base slab for PE-based Inspection Chamber Ø800 mm in nominal diameter (H=0.80 m) Entrance 300/200 mm - Exit 300/200 mm (15, 30, 45, 75, 90 etc. degrees of angles)	Qty	On the job	360,00
10.450.4351	Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=1.00 m)	Qty	On the job	570,00
10.450.4352	Prefabricated chamber ring with steps for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.50 m)	Qty	On the job	440,00
10.450.4353	Prefabricated chamber ring with steps for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=1.00 m)	Qty	On the job	725,00
10.450.4354	Prefabricated taper with steps for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 m)	Qty	On the job	500,00
10.450.4355	Prefabricated taper with steps for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=1.00 m)	Qty	On the job	580,00
10.450.4356	Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 m) - Entrance 300/200 mm - Exit 300/200 mm	Qty	On the job	510,00
10.450.4357	Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 m) - Entrance 500/400 mm - Exit 500/400 mm	Qty	On the job	510,00
10.450.4358	Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 m) Entrance 300/200 mm - Exit 300/200 mm (15, 30, 45, 75, 90 etc. degrees of angles)	Qty	On the job	510,00

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.4359	Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 m) Entrance 500/400 mm - Exit 500/400 mm (15, 30, 45, 75, 90 etc. degrees of angles)	Qty	On the job	510,00
10.450.4360	Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 mm)	Qty	On the job	420,00
10.450.4361	Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 mm) - 3 Entrances, 300/200 mm - 1 Exit, 300/200 mm	Qty	On the job	510,00
10.450.4362	Prefabricated base slab for PE-based Inspection Chamber Ø1000 mm in nominal diameter (H=0.75 mm) - 3 Entrances 500/400 mm - 1 Exit 500/400 mm	Qty	On the job	510,00
10.450.4381	Prefabricated base slab for PE-based Inspection Chamber Ø1250 mm in nominal diameter (H=1.25 m)	Qty	On the job	950,00
10.450.4382	Prefabricated chamber ring with steps for PE-based Inspection Chamber Ø1250 mm in nominal diameter (H=0.50 m)	Qty	On the job	655,00
10.450.4383	Prefabricated chamber ring with steps for PE-based Inspection Chamber Ø1250 mm in nominal diameter (H=1.00 m)	Qty	On the job	1.150,00
10.450.4384	Prefabricated taper with steps for PE-based Inspection Chamber Ø1250 mm in nominal diameter (H=0.75 m)	Qty	On the job	720,00
10.450.4385	Prefabricated base slab for PE-based Manhole or Inspection Chamber Ø1250 mm in nominal diameter (H = 1.00 m)	Qty	On the job	840,00
	<b>CELLULAR FILLING SYSTEM (HDPE-based - Perforated/Unperforated) (TS EN 13251) Wall Thickness (mm) / Welding Interval (cm) / Height (cm)</b>			
10.450.5001	1.5 mm / 33 cm / 5 cm	m <sup>2</sup>	On the job	10,60
10.450.5002	1.5 mm / 33 cm / 7.5 cm	m <sup>2</sup>	On the job	16,00
10.450.5003	1.5 mm / 33 cm / 10 cm	m <sup>2</sup>	On the job	21,30
10.450.5004	1.5 mm / 33 cm / 12 cm	m <sup>2</sup>	On the job	25,60
10.450.5005	1.5 mm / 33 cm / 15 cm	m <sup>2</sup>	On the job	32,00
10.450.5006	1.5 mm / 33 cm / 20 cm	m <sup>2</sup>	On the job	42,60
10.450.5011	1.5 mm / 35-36 cm / 5 cm	m <sup>2</sup>	On the job	10,30
10.450.5012	1.5 mm / 35-36 cm / 7.5 cm	m <sup>2</sup>	On the job	15,50
10.450.5013	1.5 mm / 35-36 cm / 10 cm	m <sup>2</sup>	On the job	20,60
10.450.5014	1.5 mm / 35-36 cm / 12 cm	m <sup>2</sup>	On the job	24,80
10.450.5015	1.5 mm / 35-36 cm / 15 cm	m <sup>2</sup>	On the job	31,00
10.450.5016	1.5 mm / 35-36 cm / 20 cm	m <sup>2</sup>	On the job	41,30
10.450.5021	1.5 mm / 40 cm / 5 cm	m <sup>2</sup>	On the job	9,00
10.450.5022	1.5 mm / 40 cm / 7.5 cm	m <sup>2</sup>	On the job	13,50
10.450.5023	1.5 mm / 40 cm / 10 cm	m <sup>2</sup>	On the job	18,00
10.450.5024	1.5 mm / 40 cm / 12 cm	m <sup>2</sup>	On the job	21,60
10.450.5025	1.5 mm / 40 cm / 15 cm	m <sup>2</sup>	On the job	27,00
10.450.5026	1.5 mm / 40 cm / 20 cm	m <sup>2</sup>	On the job	36,00
10.450.5031	1.5 mm / 44-45 cm / 5 cm	m <sup>2</sup>	On the job	8,20
10.450.5032	1.5 mm / 44-45 cm / 7.5 cm	m <sup>2</sup>	On the job	12,30
10.450.5033	1.5 mm / 44-45 cm / 10 cm	m <sup>2</sup>	On the job	16,30

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.5034	1.5 mm / 44-45 cm / 12 cm	m <sup>2</sup>	On the job	19,60
10.450.5035	1.5 mm / 44-45 cm / 15 cm	m <sup>2</sup>	On the job	24,50
10.450.5036	1.5 mm / 44-45 cm / 20 cm	m <sup>2</sup>	On the job	32,60
10.450.5041	1.5 mm / 60 cm / 5 cm	m <sup>2</sup>	On the job	6,40
10.450.5042	1.5 mm / 60 cm / 7.5 cm	m <sup>2</sup>	On the job	9,60
10.450.5043	1.5 mm / 60 cm / 10 cm	m <sup>2</sup>	On the job	12,80
10.450.5044	1.5 mm / 60 cm / 12 cm	m <sup>2</sup>	On the job	15,40
10.450.5045	1.5 mm / 60 cm / 15 cm	m <sup>2</sup>	On the job	19,20
10.450.5046	1.5 mm / 60 cm / 20 cm	m <sup>2</sup>	On the job	25,60
10.450.5051	1.5 mm / 65-66 cm / 5 cm	m <sup>2</sup>	On the job	6,20
10.450.5052	1.5 mm / 65-66 cm / 7.5 cm	m <sup>2</sup>	On the job	9,30
10.450.5053	1.5 mm / 65-66 cm / 10 cm	m <sup>2</sup>	On the job	12,30
10.450.5054	1.5 mm / 65-66 cm / 12 cm	m <sup>2</sup>	On the job	14,80
10.450.5055	1.5 mm / 65-66 cm / 15 cm	m <sup>2</sup>	On the job	18,50
10.450.5056	1.5 mm / 65-66 cm / 20 cm	m <sup>2</sup>	On the job	24,60
	<b>COMPOSITE DRAINAGE COVER (TS EN 13257) (With Polypropylene Geotextile Felt Lamination on HDPE grating)</b>			
10.450.5101	HDPE grating 500 g/m <sup>2</sup> + single-side 200 g/m <sup>2</sup> Geotextile Felt Laminated	m <sup>2</sup>	On the job	7,00
10.450.5102	HDPE grating 600 g/m <sup>2</sup> + single-side 200 g/m <sup>2</sup> Geotextile Felt Laminated	m <sup>2</sup>	On the job	8,00
10.450.5103	HDPE grating 700 g/m <sup>2</sup> + single-side 200 g/m <sup>2</sup> Geotextile Felt Laminated	m <sup>2</sup>	On the job	9,00
10.450.5104	HDPE grating 800 g/m <sup>2</sup> + single-side 200 g/m <sup>2</sup> Geotextile Felt Laminated	m <sup>2</sup>	On the job	10,00
10.450.5121	HDPE grating 500 g/m <sup>2</sup> + two-side 200 g/m <sup>2</sup> Geotextile Felt Laminated	m <sup>2</sup>	On the job	9,00
10.450.5122	HDPE grating 600 g/m <sup>2</sup> + two-side 200 g/m <sup>2</sup> Geotextile Felt Laminated	m <sup>2</sup>	On the job	10,00
10.450.5123	HDPE grating 700 g/m <sup>2</sup> + two-side 200 g/m <sup>2</sup> Geotextile Felt Laminated	m <sup>2</sup>	On the job	11,00
10.450.5124	HDPE grating 800 g/m <sup>2</sup> + two-side 200 g/m <sup>2</sup> Geotextile Felt Laminated	m <sup>2</sup>	On the job	12,00
	<b>GEOSYNTHETIC CLAY COVER (TS EN 13361 - TS EN 13362)</b>			
	<b>Bottom Layer 100 g/m<sup>2</sup> PP Braided Geotextile Top Layer 200 g/m<sup>2</sup> PP Unbraided Geotextile</b>			
10.450.5151	Geosynthetic Clay Cover, Total Weight: 4500 g/m <sup>2</sup>	m <sup>2</sup>	On the job	7,20
10.450.5152	Geosynthetic Clay Cover, Total Weight: 5500 g/m <sup>2</sup>	m <sup>2</sup>	On the job	8,20
10.450.5153	Geosynthetic Clay Cover, Total Weight: 6500 g/m <sup>2</sup>	m <sup>2</sup>	On the job	9,20
	<b>Bottom Layer 200 g/m<sup>2</sup> PP Braided Geotextile Top Layer 300 g/m<sup>2</sup> PP Unbraided Geotextile</b>			
10.450.5171	Geosynthetic Clay Cover, Total Weight: 4500 g/m <sup>2</sup>	m <sup>2</sup>	On the job	9,00
10.450.5172	Geosynthetic Clay Cover, Total Weight: 5500 g/m <sup>2</sup>	m <sup>2</sup>	On the job	10,00
10.450.5173	Geosynthetic Clay Cover, Total Weight: 6500 g/m <sup>2</sup>	m <sup>2</sup>	On the job	11,00
	<b>GEOGRID GROUND REINFORCEMENT SYSTEMS (TS EN 13251)</b>			
	<b>Extruded Geogrid Ground Reinforcement Systems (Other values shall be interpolated)</b>			
10.450.5201	Pore Size 40 x 40 mm Tensile Strength: 10 kn/m (in both directions)	m <sup>2</sup>	On the job	6,00

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.450.5202	Pore Size 40 x 40 mm Tensile Strength: 20 kn/m (in both directions)	m <sup>2</sup>	On the job	7,00
10.450.5203	Pore Size 40 x 40 mm Tensile Strength: 30 kn/m (in both directions)	m <sup>2</sup>	On the job	8,00
10.450.5204	Pore Size 40 x 40 mm Tensile Strength: 40 kn/m (in both directions)	m <sup>2</sup>	On the job	9,00
	<b>Polyester Fiber Geogrid Ground Reinforcement Systems with Weld Seams and Covered with Polymer (Other values shall be interpolated)</b>			
10.450.5231	Tensile Strength in the Direction of Production: 40 kn/m	m <sup>2</sup>	On the job	13,00
10.450.5232	Tensile Strength in the Direction of Production: 60 kn/m	m <sup>2</sup>	On the job	14,00
10.450.5233	Tensile Strength in the Direction of Production: 80 kn/m	m <sup>2</sup>	On the job	15,00
10.450.5234	Tensile Strength in the Direction of Production: 100 kn/m	m <sup>2</sup>	On the job	18,00
10.450.5235	Tensile Strength in the Direction of Production: 120 kn/m	m <sup>2</sup>	On the job	23,00
10.450.5236	Tensile Strength in the Direction of Production: 150 kn/m	m <sup>2</sup>	On the job	26,00
10.450.5237	Tensile Strength in the Direction of Production: 200 kn/m	m <sup>2</sup>	On the job	32,00
10.450.5238	Tensile Strength in the Direction of Production: 300 kn/m	m <sup>2</sup>	On the job	38,00
10.450.5239	Tensile Strength in the Direction of Production: 400 kn/m	m <sup>2</sup>	On the job	47,00
10.450.5240	Tensile Strength in the Direction of Production: 600 kn/m	m <sup>2</sup>	On the job	70,00
	<b>PRECAST, PRESTRESSED, HOLLOW CONCRETE COMPONENTS</b>			
	<b>Carrier Flooring Components</b>			
10.450.9501	12-cm thickness, precast, prestressed, hollow carrier flooring component	m <sup>2</sup>	Factory	106,00
10.450.9502	16-cm thickness, precast, prestressed, hollow carrier flooring component	m <sup>2</sup>	Factory	109,00
10.450.9503	20-cm thickness, precast, prestressed, hollow carrier flooring component	m <sup>2</sup>	Factory	112,00
10.450.9504	20-cm thickness, precast, prestressed, hollow heavy load carrier flooring component (exposed to loads above 350 Kg/m <sup>2</sup> )	m <sup>2</sup>	Factory	136,00
10.450.9505	24-cm thickness, precast, prestressed, hollow carrier flooring component	m <sup>2</sup>	Factory	146,00
10.450.9506	24-cm thickness, precast, prestressed, hollow heavy load carrier flooring component (exposed to loads above 500 Kg/m <sup>2</sup> )	m <sup>2</sup>	Factory	168,00
	<b>Precast, prestressed, hollow partition (wall) component</b>			
10.450.9521	12-cm thickness, precast, prestressed, hollow partition (wall) component	m <sup>2</sup>	Factory	98,00
10.450.9522	16-cm thickness, precast, prestressed, hollow partition (wall) component	m <sup>2</sup>	Factory	109,00
	<b>BENTONITES</b>			
10.450.9601	Bentonite (TS EN ISO 13500)	Tons	On the job	230,00
10.450.9602	Injection Bentonite (TS EN ISO 13500)	Tons	On the job	320,00
	<b>GARDENING AND LANDSCAPING MATERIALS</b>			
	<b>CONCRETE COBBLESTONE (TS 2824 EN 1338) (Characteristic tensile splitting strength (T) &gt; 3.6 MPa Breaking load &gt; 250 N/mm)(Every color and size)</b>			
	<b>White cement</b>			
10.480.1001	6 cm height	m <sup>2</sup>	On the job	16,50
10.480.1002	8 cm height	m <sup>2</sup>	On the job	18,00

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.480.1003	10 cm height	m <sup>2</sup>	On the job	19,50
	<b>Ordinary (Portland) cement</b>			
10.480.1011	6 cm height	m <sup>2</sup>	On the job	15,00
10.480.1012	8 cm height	m <sup>2</sup>	On the job	16,50
10.480.1013	10 cm height	m <sup>2</sup>	On the job	18,00
	Note: Certificate of Compliance with Turkish Standards for the aforementioned materials shall be requested with the payment receipt. The administration shall have the required tests conducted if it considers necessary.			
	<b>CONCRETE COBBLESTONE (TS 2824 EN 1338) (Characteristic tensile splitting strength (T) &gt; 3.6 MPa Breaking load &gt; 250 N/mm) (Every color and size)</b>			
	<b>White cement</b>			
10.480.1021	8 cm height	m <sup>2</sup>	On the job	22,50
10.480.1022	10 cm height	m <sup>2</sup>	On the job	25,00
	<b>Ordinary (Portland) cement</b>			
10.480.1031	8 cm height	m <sup>2</sup>	On the job	21,00
10.480.1032	10 cm height	m <sup>2</sup>	On the job	23,50
	Note: Certificate of Compliance with Turkish Standards for the aforementioned materials shall be requested with the payment receipt. The administration shall have the required tests conducted if it considers necessary.			
	<b>Concrete curbs (beveled, colored) TS 436 EN 1340</b>			
	<b>Characteristic bending strength ≥ 3.5 Mpa</b>			
	<b>White cement</b>			
10.480.1041	50 x 20 x 10 cm	m	On the job	11,40
10.480.1042	75 x 30 x 15 cm	m	On the job	12,80
	<b>Ordinary (Portland) cement</b>			
10.480.1051	50 x 20 x 10 cm	m	On the job	9,90
10.480.1052	75 x 30 x 15 cm	m	On the job	11,40
	<b>Characteristic bending strength ≥ 4.0 Mpa</b>			
	<b>White cement</b>			
10.480.1061	50 x 20 x 10 cm	m	On the job	14,30
10.480.1062	75 x 30 x 15 cm	m	On the job	15,80
	<b>Ordinary (Portland) cement</b>			
10.480.1071	50 x 20 x 10 cm	m	On the job	12,80
10.480.1072	75 x 30 x 15 cm	m	On the job	14,30
	<b>Characteristic bending strength ≥ 5.0 Mpa</b>			
	<b>White cement</b>			
10.480.1081	50 x 20 x 10 cm	m	On the job	16,90
10.480.1082	75 x 30 x 15 cm	m	On the job	18,40
	<b>Ordinary (Portland) cement</b>			
10.480.1091	50 x 20 x 10 cm	m	On the job	15,50
10.480.1092	75 x 30 x 15 cm	m	On the job	16,90
	Note: Certificate of Compliance for the aforementioned materials with Turkish Standards shall be requested with the payment receipt. The administration shall have the required tests conducted if it considers necessary.			

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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>CONCRETE GUTTER STONE (every color) TS 436 EN 1340</b>			
	<b>White cement</b>			
10.480.1101	30 x 10 x Free in cm	m	On the job	15,75
	<b>Ordinary (Portland) cement</b>			
10.480.1111	30 x 10 x Free in cm	m	On the job	14,32
	<b>NATURAL COBBLESTONE (TS EN 1342) (Natural crushed cube stone, width x length x height)</b>			
10.480.1201	Andesite cobblestone (8x10x10 cm)	Tons	On the job	130,00
10.480.1202	Andesite cobblestone (10x10x10 cm)	Tons	On the job	130,00
10.480.1203	Granite cobblestone (8x10x10 cm)	Tons	On the job	125,00
10.480.1204	Granite cobblestone (10x10x10 cm)	Tons	On the job	125,00
10.480.1205	Basalt cobblestone (8x10x10 cm)	Tons	On the job	180,00
10.480.1206	Basalt cobblestone (10x10x10 cm)	Tons	On the job	180,00
	<b>IMPACT-ABSORBING SURFACING (TS EN 1176-1, TS EN 1177)</b>			
10.480.1251	Block anti-static rubber flooring, 2 cm thickness	m <sup>2</sup>	On the job	42,00
10.480.1252	Block anti-static rubber flooring, 3 cm thickness	m <sup>2</sup>	On the job	56,00
10.480.1253	Block anti-static rubber flooring, 4 cm thickness	m <sup>2</sup>	On the job	69,00
10.480.1300	Block rubber curb (17x14x100cm)	m	On the job	45,00
	<b>TYPE M READY-MADE DRAINAGE CHANNELS (TS EN 1433) (CONCRETE WITH SYNTHETIC RESIN BINDER)</b>			
	<b>A) Group 1 (minimum Class A 15) Areas used by pedestrians and cyclists only (min. width x length x min. height) (mm)</b>			
10.480.1301	100 x 1000 x 60	m	On the job	30,00
10.480.1302	100 x 1000 x 80	m	On the job	42,00
10.480.1303	100 x 1000 x 150	m	On the job	56,00
10.480.1304	100 x 1000 x 200	m	On the job	70,00
	<b>B) Group 2 (minimum Class B 125) Pedestrian ways or areas and similar other areas, private parking lots or multi-story car parks. (min. width x length x min. height) (mm)</b>			
10.480.1311	125 x 1000 x 60	m	On the job	33,00
10.480.1312	125 x 1000 x 80	m	On the job	50,00
10.480.1313	125 x 1000 x 150	m	On the job	65,00
10.480.1314	125 x 1000 x 200	m	On the job	84,00
	<b>C) Group 3 (minimum Class C 250) Curb sides or non-traffic hard shoulder areas, etc. (min. width x length x min. height) (mm)</b>			
10.480.1321	200 x 1000 x 60	m	On the job	44,00
10.480.1322	200 x 1000 x 80	m	On the job	60,00
10.480.1323	200 x 1000 x 125	m	On the job	71,00
10.480.1324	200 x 1000 x 200	m	On the job	101,00
10.480.1325	200 x 1000 x 250	m	On the job	127,00



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ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>D) Group 4 (minimum Class D 400)</b> <b>Road parts dedicated to freight transport (including pedestrian-only streets), hard shoulders and parking lots for all vehicle types.</b> <b>(min. width x length x min. height) (mm)</b>			
10.480.1331	200 x 1000 x 60	m	On the job	50,00
10.480.1332	200 x 1000 x 80	m	On the job	65,00
10.480.1333	200 x 1000 x 125	m	On the job	78,00
10.480.1334	200 x 1000 x 200	m	On the job	110,00
10.480.1335	200 x 1000 x 250	m	On the job	134,00
10.480.1336	300 x 1000 x 80	m	On the job	69,00
10.480.1337	300 x 1000 x 150	m	On the job	129,00
10.480.1338	300 x 1000 x 250	m	On the job	204,00
	<b>E) Group 5 (minimum Class E 600)</b> <b>Areas such as port and dock sides, which are exposed to excessive wheel loads.</b> <b>(min. width x length x min. height) (mm)</b>			
10.480.1351	300 x 1000 x 80	m	On the job	80,00
10.480.1352	300 x 1000 x 150	m	On the job	157,00
10.480.1353	300 x 1000 x 250	m	On the job	232,00
	<b>F) Group 6 (minimum Class F 900)</b> <b>Surfacing of areas such as airport runways, which are exposed to excessive wheel loads.</b> <b>(min. width x length x min. height) (mm)</b>			
10.480.1361	200 x 1000 x 250	m	On the job	186,00
10.480.1362	350 x 1000 x 400	m	On the job	378,00
	<b>GRATING SETS</b> <b>(TS EN 124-1, TS EN 124-2, TS EN 124-3)</b>			
10.480.1401	Stainless Steel Grating Set (including installation and fittings) (Group 1 (minimum Class A 15) for the areas used by pedestrians and cyclists only)	m <sup>2</sup>	On the job	1.140,00
10.480.1402	Galvanized Sheet Metal Grating Set (including installation and fittings) (Group 1 (minimum Class A 15) for the areas used by pedestrians and cyclists only)	m <sup>2</sup>	On the job	770,00
10.480.1403	Nodular Cast Grating Set (including installation and fittings) (Group 1 (minimum Class A 15) for the areas used by pedestrians and cyclists only)	m <sup>2</sup>	On the job	700,00
10.480.1404	Reinforced Concrete Grating Set (including installation and fittings) (Group 1 (minimum Class A 15) for the areas used by pedestrians and cyclists only)	m <sup>2</sup>	On the job	1.100,00
10.480.1411	Stainless Steel Grating Set (including installation and fittings) (Group 2 (minimum Class B 125) for pedestrian ways, pedestrian areas and similar other areas, private parking lots and multi-story car parks)	m <sup>2</sup>	On the job	1.320,00
10.480.1412	Galvanized Sheet Metal Grating Set (including installation and fittings) (Group 2 (minimum Class B 125) for pedestrian ways, pedestrian areas and similar other areas, private parking lots and multi-story car parks)	m <sup>2</sup>	On the job	890,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.480.1413	Nodular Cast Grating Set (including installation and fittings) (For Group 2 (min. Class B 125 Pedestrian ways or areas and similar other areas, private parking lots or multi-story car parks)	m <sup>2</sup>	On the job	830,00
10.480.1414	Reinforced Concrete Grating Set (including installation and fittings) (Group 2 (minimum Class B 125) for sidewalks, pedestrian areas and similar other areas, private parking lots and multi-story parking lots)	m <sup>2</sup>	On the job	1.150,00
10.480.1423	Nodular Cast Grating Set (including installation and fittings) (For Group 3 (min. Class C 250 Curb sides or non-traffic hard shoulder areas, etc.)	m <sup>2</sup>	On the job	920,00
10.480.1424	Reinforced Concrete Grating Set (including installation and fastening items) (For Group 3 (min. Class C 250 Curb sides or non-traffic hard shoulder areas, etc.)	m <sup>2</sup>	On the job	1.200,00
10.480.1433	Nodular Cast Grating Set (including installation and fittings) (For Group 4 (min. Class F 400 Road parts dedicated to freight transport (including pedestrian-only streets), hard shoulders and parking lots for all vehicle types)	m <sup>2</sup>	On the job	1.220,00
10.480.1434	Reinforced Concrete Grating Set (including installation and fastening items) (For Group 4 (min. Class F 400 Road parts dedicated to freight transport (including pedestrian-only streets), hard shoulders and parking lots for all vehicle types)	m <sup>2</sup>	On the job	1.250,00
10.480.1443	Nodular Cast Grating Set (including installation and fittings) (For Group 5 (min. Class E 600) Areas such as port and dock sides, which are exposed to excessive wheel loads)	m <sup>2</sup>	On the job	2.140,00
10.480.1453	Nodular Cast Grating Set (including installation and fittings) (For Group 6 (min. Class F 900) Surfacing of areas such as airport runways, which are exposed to excessive wheel loads)	m <sup>2</sup>	On the job	3.470,00
	<b>MANHOLE COVER, GRATING, ETC.</b>			
10.480.1471	Pig iron grating cover drainage ditch, pile shoe	Kg	On the job	1,60
10.480.1481	Glass fiber-reinforced composite maintenance manhole covering component (TS EN 124-1, TS EN 124-5) (Road pavements, pedestrian-only streets including pedestrian-only streets, hard shoulders and parking lots for all vehicle types) (including covers, frames, and fittings such as universal joints, etc.) (minimum Ø600 mm net opening) (Group 4 Minimum D 400 class)	Qty	On the job	320,00
10.480.1482	Reinforced concrete composite maintenance manhole covering component (TS EN 124-1, TS EN 124-4) (Road pavements, pedestrian-only streets including pedestrian-only streets, hard shoulders and parking lots for all vehicle types) (including covers, frames, and fittings such as universal joints, etc.) (minimum Ø600 mm net opening) (Group 4 Minimum D 400 class)	Qty	On the job	300,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.480.1483	Steel-reinforced, polymer-based composite maintenance manhole covering component (TS EN 124-1, TS EN 124-3) (Road pavements, pedestrian-only streets including pedestrian-only streets, hard shoulders and parking lots for all vehicle types) (including covers, frames, and fittings such as universal joints, etc.) (minimum Ø600 mm net opening) (Group 4 Minimum D 400 class)	Qty	On the job	280,00
	<b>PANEL FENCE, POST AND ACCESSORIES</b>			
	<b>Hot-dip galvanized and electrostatic polyester powder coated wire in panel form (50 x 150 mm mesh size, Ø4.5 mm wire diameter) (TS EN 10223-4)</b>			
10.480.1501	1.00-m high, min. 2-twisted	m	On the job	19,00
10.480.1502	1.20-m high, min. 2-twisted	m	On the job	23,50
10.480.1503	1.50-m high, min. 3-twisted	m	On the job	28,50
	<b>Hot-dip galvanized panel fence post sized 50 x 50 x 1.5 mm coated with electrostatic polyester powder paint (including min. 120 x 120 x 5 mm flange and UV-resistant, unbreakable plastic door)</b>			
10.480.1511	1.00-m high	Qty	On the job	16,00
10.480.1512	1.20-m high	Qty	On the job	18,50
10.480.1513	1.50-m high	Qty	On the job	22,00
	<b>Panel Fence Accessories</b>			
10.480.1521	Clips (UV-resistant, unbreakable plastic with clamps gripping the profile, including installation screws)	Qty	On the job	0,75
	<b>REINFORCED CONCRETE POLES AND BRACES (C40/50 concrete with 4 x Ø6 (h = 0-2.5 m) / Ø8 (h = above 2.5 m) reinforcing bars and a stirrup bar every 25 cm will be steam-cured (dried) for min. 8 hours)</b>			
	<b>Concrete Poles (Lower part / Upper part)</b>			
10.480.1701	1.60 m straight post (Sized 9 x 9 / 9 x 7, 8 holes)	Qty	On the job	12,00
10.480.1702	2.00 m straight post (Sized 8 x 10 / 8 x 9.5, 6 holes)	Qty	On the job	14,00
10.480.1703	2.50 m straight post (Sized 9 x 12 / 8 x 10 holes, 8 holes)	Qty	On the job	18,00
10.480.1704	3.00 m straight post (Sized 10 x 14 / 10 x 12, 8 holes)	Qty	On the job	25,00
	<b>(Lower part / Middle Part / Upper part)</b>			
10.480.1711	2.40 m post with leaned top (sized 9x10 / 8x10 / 8x8, with 8 holes)	Qty	On the job	15,00
10.480.1712	2.50 m post with leaned top (sized 10x14 / 9x10 / 9x9.5, with 9 holes)	Qty	On the job	18,00
10.480.1713	2.80 m post with leaned top (sized 10x14 / 9x10.5 / 9x9, with 10 holes)	Qty	On the job	22,00
10.480.1714	3.00 m post with leaned top (sized 10x13 / 10x12 / 10x12, with 11 holes)	Qty	On the job	25,00
10.480.1715	3.15 m post with leaned top (sized 10x13 / 10x12 / 10x12, with 12 holes)	Qty	On the job	27,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.480.1716	3.50 m post with leaned top (11x16 / 10.5x11 / 10.5x11, with 13 holes)	Qty	On the job	32,00
	<b>Concrete Braces (lower part / upper part)</b>			
10.480.1721	2.00 m backstay (sized 8x10 / 7x10)	Qty	On the job	14,00
10.480.1722	2.20 m backstay (sized 9x9.5 / 8.5x9)	Qty	On the job	15,00
10.480.1723	2.40 m backstay (sized 10x10 / 8x10)	Qty	On the job	16,00
10.480.1724	2.80 m backstay (sized 10x11 / 10.5x10.5)	Qty	On the job	20,00
10.480.1731	Concrete gate post (15x20 / 2.40)	Qty	On the job	65,00
	<b>BARBED, RAZOR, GALVANIZED WIRES</b>			
10.480.1801	Barbed wire (Galvanized) (TS EN 10223-1)	Kg	On the job	5,20
10.480.1802	Razor wire (Spiral - Galvanized)	Kg	On the job	9,40
10.480.1803	Galvanized wire	Kg	On the job	4,30
10.480.1804	Galvanized mesh wire (Various) (TS 2398)	Kg	On the job	5,20
	<b>PROCESSED IRONS</b>			
10.480.1821	Processed small irons (Various)	Kg	On the job	3,30
10.480.1822	Various engraved irons	Kg	On the job	11,50
	<b>GABION BUCKET (Galvanized) (TS EN 10223-3)</b>			
10.480.2001	80 x 100 mm Mesh Size, Ø3 mm Mesh Wire, Ø3.9 mm Edge Wire (Sized 2 x 1 x 1 m)	Qty	On the job	165,00
10.480.2002	80 x 100 mm Mesh Size, Ø3 mm Mesh Wire, Ø3.9 mm Edge Wire (Sized 4 x 1 x 1 m)	Qty	On the job	300,00
10.480.2003	80 x 100 mm Mesh Size, Ø3 mm Mesh Wire, Ø3.9 mm Edge Wire (Sized 4 x 2 x 1 m)	Qty	On the job	440,00
10.480.2004	80 x 100 mm Mesh Size, Ø2.7 mm Mesh Wire, Ø3.4 mm Edge Wire (Sized 2 x 1 x 1 m)	Qty	On the job	145,00
10.480.2005	80 x 100 mm Mesh Size, Ø2.7 mm Mesh Wire, Ø3.4 mm Edge Wire (Sized 4 x 1 x 1 m)	Qty	On the job	260,00
10.480.2006	80 x 100 mm Mesh Size, Ø2.7 mm Mesh Wire, Ø3.4 mm Edge Wire (Sized 4 x 2 x 1 m)	Qty	On the job	380,00
10.480.2007	100 x 120 mm Mesh Size, Ø2.7 mm Mesh Wire, Ø3.4 mm Edge Wire (Sized 2 x 1 x 1 m)	Qty	On the job	130,00
10.480.2008	100 x 120 mm Mesh Size, Ø2.7 mm Mesh Wire, Ø3.4 mm Edge Wire (Sized 4 x 1 x 1 m)	Qty	On the job	260,00
10.480.2009	100 x 120 mm Mesh Size, Ø3 mm Mesh Wire, Ø3.9 mm Edge Wire (Sized 2 x 1 x 1 m)	Qty	On the job	170,00
10.480.2010	100 x 120 mm Mesh Size, Ø3 mm Mesh Wire, Ø3.9 mm Edge Wire (Sized 4 x 1 x 1 m)	Qty	On the job	330,00

**Market Prices for Construction Materials**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
	<b>GABIÓN MAT (Galvanized)(TS EN 10223-3)</b>			
10.480.2051	60 x 80 mm Mesh Size, Ø2.2 mm Mesh Wire, Ø2.7 mm Edge Wire (Sized 6 x 2 x 0.3 m)	Qty	On the job	350,00
10.480.2052	60 x 80 mm Mesh Size, Ø2.2 mm Mesh Wire, Ø2.7 mm Edge Wire (Sized 6 x 2 x 0.23 m)	Qty	On the job	320,00
10.480.2053	60 x 80 mm Mesh Size, Ø2.2 mm Mesh Wire, Ø2.7 mm Edge Wire (Sized 4 x 2 x 0.3 m)	Qty	On the job	240,00
10.480.2054	60 x 80 mm Mesh Size, Ø2.2 mm Mesh Wire, Ø2.7 mm Edge Wire (Sized 4 x 2 x 0.23 m)	Qty	On the job	220,00
	<b>STEEL MESH WIRE GRIDS (TS EN 10223-3)</b>			
	<b>Hexagonal, Twisted Pair, Two-wire Steel Grid (Galvanized)</b>			
10.480.2201	Pore Spacing 60 x 80 mm - Wire Diameter (1.35 + 1.35) 2.70 mm	m <sup>2</sup>	On the job	15,00
10.480.2202	Pore Spacing 80 x 100 mm - Wire Diameter (1.35 + 1.35) 2.70 mm	m <sup>2</sup>	On the job	13,00
10.480.2203	Pore Spacing 100 x 120 mm - Wire Diameter (1.35 + 1.35) 2.70 mm	m <sup>2</sup>	On the job	11,00
	<b>Hexagonal, Twisted Pair, Single-wire Steel Grid (Galvanized)</b>			
10.480.2216	Pore Spacing 60 x 80 mm - Wire Diameter 2.2 mm	m <sup>2</sup>	On the job	13,00
10.480.2217	Pore Spacing 60 x 80 mm - Wire Diameter 2.7 mm	m <sup>2</sup>	On the job	15,00
10.480.2218	Pore Spacing 80 x 100 mm - Wire Diameter 2.7 mm	m <sup>2</sup>	On the job	13,00
	<b>Hexagonal, Twisted Pair, Single-wire Steel Grid (Galvanized)</b>			
10.480.2231	Pore Spacing 60 x 80 mm - Wire Diameter 2.2 mm	m <sup>2</sup>	On the job	20,00
10.480.2232	Pore Spacing 60 x 80 mm - Wire Diameter 2.7 mm	m <sup>2</sup>	On the job	22,00
10.480.2233	Pore Spacing 80 x 100 mm - Wire Diameter 2.7 mm	m <sup>2</sup>	On the job	20,00
	<b>Hexagonal, Twisted Pair, Single-wire Steel Grid (Galvanized) (Reinforced with Wire Mesh)</b>			
10.480.2261	Pore Spacing 80 x 100 mm - Wire Diameter 1.25 mm - Reinforced with wire mesh with Ø4 mm thickness and 24 x 50 cm pore spacing	m <sup>2</sup>	On the job	12,00
10.480.2262	Pore Spacing 100 x 120 mm - Wire Diameter 1.25 mm - Reinforced with wire mesh with Ø4 mm thickness and 24 x 50 cm pore spacing	m <sup>2</sup>	On the job	10,00
	<b>Hexagonal, Twisted Pair, Single-wire Steel Grid (Galvanized) (Reinforced with Wire Rope)</b>			
10.480.2281	Pore Spacing 80 x 100 mm - Wire Diameter 2.7 mm - Reinforced with wire ropes with 30 cm spacing and Ø8 mm thickness	m <sup>2</sup>	On the job	55,00
10.480.2282	Pore Spacing 80 x 100 mm - Wire Diameter 2.7 mm - Reinforced with wire ropes with 50 cm spacing and Ø8 mm thickness	m <sup>2</sup>	On the job	45,00
10.480.2283	Pore Spacing 80 x 100 mm - Wire Diameter 2.7 mm - Reinforced with wire ropes with 100 cm spacing and Ø8 mm thickness	m <sup>2</sup>	On the job	35,00
	<b>GRASS SEEDS, FERTILIZERS, SOIL REGULATORS, ETC.</b>			
10.480.5001	Perennial ryegrass (English ryegrass)	Kg	On the job	13,25
10.480.5002	Poa pratensis (Kentucky bluegrass)	Kg	On the job	21,75
10.480.5003	Festuca rubra rubra (red fescue)	Kg	On the job	13,30
10.480.5004	Festuca rubra commutata (red fescue)	Kg	On the job	15,80
10.480.5005	Festuca arundinacea (tall fescue)	Kg	On the job	13,50

### Market Prices for Construction Materials

ITEM NO	DESCRIPTION	UNIT OF MEASURE	PURCHASING LOCATION	MARKET PRICE (TRY)
10.480.5006	Bermuda grass	Kg	On the job	24,70
10.480.5007	Agrostis tenuis	Kg	On the job	32,40
	Note: The grasses specified in the items no. 10.480.5001 - ... - 5007 shall comply with the law no. 308 of the Ministry of Agriculture and Forestry on registration, inspection and certification of seeds, and the regulations and instructions related thereto.			
10.480.5011	Burned and sieved farm manure (odorless and free of any foreign matter)	m <sup>3</sup>	On the job	49,50
10.480.5012	Ecological soil and organic fertilizer additive (soil improvers made of organic fertilizers with microbial and enzymatic content)	Kg	On the job	1,65
10.480.5013	Organic fertilizer (Should include a high rate of natural humus and be fully decomposed)	Kg	On the job	4,15
10.480.5014	Turf (fine-grained and sterilize, Ph. 5-6)	m <sup>3</sup>	On the job	57,00
10.480.5015	Soil improver that is fully made up of natural minerals, water retainer, that prevents salification and desertification, balances the pH value of the soil, and is suitable for organic agriculture.	Kg	On the job	1,50
10.480.5031	White Dolomite Rocks (1.50 cm ≤ diameter < 2.50 cm)	Tons	On the job	600,00
10.480.5032	White Dolomite Rocks (2.50 cm ≤ diameter < 4.00 cm)	Tons	On the job	450,00
10.480.5041	Mulch (Tree Bark in Natural Color)	Kg	On the job	1,50
10.480.5042	Mulch (Colored Wood Chip)	Kg	On the job	2,00



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**CONSTRUCTION WORKS**

2019



## GENERAL PROVISIONS AND EXPLANATIONS FOR CONSTRUCTION WORKS

- 1- Prepared as per Article 97, Paragraph 1, Point (k) regarding the Organization and Duties of Our Ministry of the Presidential Decree no. 1 on the Organization of the President's Office.
  - 2- In case there are printer's and material errors in Unit Prices, the latest values as may be corrected by the Ministry of Environment and Urbanism shall be taken as basis, and the amendments made accordingly shall be published in the page of the Directorate of Technical Board on [www.csb.gov.tr](http://www.csb.gov.tr) or directly on <https://yfk.csb.gov.tr/>.
  - 3- The unit price manufactures applicable shall be in compliance with the Turkish Standards referred to in unit price definitions. However, if the said standards are amended later, the final standards in effect shall be applicable. In case of a later change in those standards, the latest versions of the standards in effect shall apply.
  - 4- The table indicating the names of the materials in the Market Price Lists of 2019 as may be amended as per the standards shall also be applicable to the Unit Prices of 2019 in terms of size and definition.
  - 5- The unit prices amended to comply with the amended analyses shall be in effect from the beginning of the year in which they are put into effect, and the unit prices for a given application year shall be found by taking as basis the unit price analyses for the contracts tendered in previous years.
  - 6- General Technical Specifications published by the Ministry of Environment and Urbanism shall be complementary to such unit prices and their definitions.
  - 7- The works and manufactures in this list shall be performed and made in compliance with the relevant legislations of Environment, Health, Occupational Safety, Fire, Structural Materials and similar other legislation. If the Unit Price Definitions or the annexed Unit Price List does not refer to the relevant legislation or if there are hesitations as to the referred legislation, the legislation in effect shall be applicable.
  - 8- The unit prices published and updated on an annual basis by our Ministry shall be taken as basis as per the following statement in the article 17, paragraph 9 of the Law No. 6446 on the Electricity Market:  
As per the provision "Unit prices for ground destruction which may arise from the infrastructure works shall not exceed the unit prices published by the Ministry of Environment and Urbanization," unit prices updated and published every year by our Ministry shall apply in determining the cost of ground destruction. Nevertheless, if the unit prices to be taken into consideration are not available in the unit price lists of our Ministry, the unit prices of the General Directorate of Highways, the General Directorate of İlbank A.Ş. and the General Directorate of State Hydraulic Works shall be taken as basis in the order of priority mentioned herein.
  - 9- The Unit Prices of our Ministry shall be effective from January 1, 2019, and the administrations shall update the prices for preparing an approximate cost in accordance with the "TÜİK Table of Construction Cost Index and Rates of Change" as specified in the paragraph 11/3 of the Regulation on Application of the Tenders for Construction Works.
  - 10- Unit prices include 25% contractor's profit and overheads.
  - 11- The prices in the Unit Price list do not include VAT.
- (Effective 1 January 2019.)



**ITEM NO. TYPE OF MATERIAL ON CONSTRUCTION SITE**

**LIST OF MATERIALS ON CONSTRUCTION SITE:**

- 1- Cements (Regular and White)
- 2- Steel products for Reinforced Concrete:
  - a) Concrete Steel Bar (Ø6 mm)
  - b) Concrete Steel Bar (Ø8 - Ø10 - Ø12 mm)
  - c) Concrete Steel Bar (Ø14-50 mm)
  - d) Concrete Steel Bar, Ribbed (III a) (Ø8-12 mm)
  - e) Concrete Steel Bar, Ribbed (III a) (Ø14-32 mm)
  - f) Steel Mesh, Ribbed (Weight per m<sup>2</sup>: 3.01 to 10.00 kg)
  - g) Steel Mesh, Ribbed (Weight per m<sup>2</sup>: 1.50 - 3.00 kg)
- 3 - Profile steels (I-U-T-omega) and steel pipes
- 4 - Sheet metal products:
  - a) Plain black metal sheets (0.70 - 2.50 mm)
  - b) DKP Sheets (0.40 - 20 mm)
  - c) Galvanized plain sheet
  - d) Galvanized grooved sheet
- 5 - Bricks
  - a) Clay Bricks
  - b) Horizontally perforated bricks (19 x 19 x 8.5 cm)
  - c) Horizontally perforated bricks (19 x 19 x 13.5 cm)
  - d) Solid or vertically perforated bricks (19 x 9 x 5 cm)
  - e) Vertically perforated bricks (19 x 29 x 13.5 cm)
  - f) Vertically perforated bricks (19 x 19 x 8.5 cm)
  - g) Vertically perforated bricks (19 x 9 x 8.5 cm)
  - h) Vertically perforated bricks (19 x 29 x 13.5 cm)
  - i) Vertically perforated lightweight bricks (04.018/11 to 04.018/i48)
- 6 - Pantile, Grooved Bricks and ridge tiles
- 7 - Sand and Gravel:
  - a) All-in aggregate, sand and gravel
  - b) Sieved and washed sand
  - c) Sieved and washed gravel
- 8 - Stones:
  - a) Crushed Stone
  - b) Quarry Stone
- 9- Marble and Travertine (Any size and color)
- 10- Marble powder and chips
- 11- Lime (unslaked)
- 12- Ceramic tiles (in any size, color and type)
- 13- Ceramic (in any size, color and type)
- 14- Cement tiles
- 15- Mosaic tiles (in any color and type)
- 16- Artificial marble sheets and step sheets with regular or white cement marble chips
- 17- Copper and zinc sheets (for roofing)
- 18- Flat aluminum sheets (in any type)
- 19- Trapezoidal aluminum sheets (in various thicknesses)
- 20- Aluminum profiles (any type)
- 21- Metal-reinforced and non-metal-reinforced hard PVC joinery profiles
- 22- Lumbers:
  - a) Pine lumber (Class 1)
  - b) Pine lumber (Class 2)
  - c) White pine (fir) (Class I)
  - d) White pine (fir) (Class II)
- 23- For any type of door and window joinery,  
70% of the installed production shall be paid.
- 24- Sheets with asbestos cement (flat and waved)  
(6-mm thickness and in any size)
- 25 - Bitumen grooved sheets with organic fiber (black and colored) (3 mm thickness)

**ITEM NO. TYPE OF MATERIAL ON CONSTRUCTION SITE**

26- LIGHTWEIGHT AAC MATERIALS:

- a) Non-reinforced blocks
- b) Non-reinforced insulation slabs
- c) Reinforced slabs
- d) Reinforced wall elements

27- PUMICE CONCRETE MATERIALS:

- a) Hollow and solid wall elements (in any size)
- b) Hollow tile flooring blocks

28- POLYMER BITUMEN SHEETS

NOTE:

- 1) The ones for which the materials on construction site will be paid shall be drawn.
- 2) No payment for the materials on construction site shall be paid for materials that are not listed herein.
- 3) The following materials listed herein and for which transportation shall be paid as per the General Technical Specifications:
  - 3.1 sand, gravel, all-in aggregate, lightweight aggregate (from the nearest warehouse for marble powder and chips)
  - 3.2 Unslaked lime, cement
  - 3.3 Quarry stone (blocks, rubbles, dressed stone, crushed stone)
  - 3.4 Bricks (perforated, non-perforated, clay, factory-made and lightweight bricks)
  - 3.5 Reinforced and non-reinforced lightweight AAC materials
  - 3.6 Bricks
  - 3.7 Steel (B.A. steel, steel mesh, ribbed steel, profile steel, profile pipes, black and DKP metal sheets), the carriage fees to be calculated as per the principles laid out in the General Technical Specifications for Carriage shall be paid separately.
- 4) The price of the materials on construction site shall be subject to the reductions and discounts.
- 5) Carriage fees for cement and steel shall not include the loading fees to be paid by the organization during the purchase of such materials from factories.
- 6) The titles of items are written in the price list, and the records in the relevant item numbers shall be taken as basis for the conditions of measurement.
- 7) For the materials with multiple types among those given in the list of materials on construction site (cement, bricks, lumber, etc.), the materials on construction site shall be paid for based on the price of the materials actually used.
- 8) The units of measure and prices for the materials on construction site for the materials included in the list of materials on construction site shall be taken from the Market Price List that makes the basis of the construction unit prices.

## CARRIAGE FORMULAS

### 1- Carriage by motor vehicles:

a) Item: 07.004 - Carriage of any excavation material with carriage distances measured by Bruckner's curve to a distance of ..... m:

F: 0.00023. K x  $\sqrt{M}$  TRY /Ton

b) For any paved road with 10% inclination based on the distance and route of carriage: Carriages up to b / 1 : M < 10 km:

Item No. 07.005 F = 0.00017 K x  $\sqrt{M}$  TRY/Ton

Carriages of b / 2 : M > 10 km:

Item No. 07.006 F = K (0.0007 M + 0.01) TRY/Ton

In the first formula, M = m, and in the second formula, M = km.

The K in motor vehicle formulas represents the "Carriage coefficient for any motor vehicle type and tonnage" given in the item 02.017 of the market price table published by the Ministry of Public Works.

NOTE: In applying the items (07.005) and (07.006):

- I. If any of the following factors: Specifications of the carriage road,
  - II. Adverse weather conditions during the carriage,
  - III. Coincidence of the carriage works with the season with unfavorable conditions of commercial carriage affects the carriage works and depending on the characteristics of the work, the carriage fee shall be calculated by multiplying the Carriage formulas by the coefficient (A).
- I) After obtaining approval from the authorized body of the investing organization before the reduction for the coefficient A,

A shall be a value between 1.00 (inclusive) and 2 (inclusive). If no value is chosen for A in the contract and its annexes before the tender,

$$A = 1 + \frac{0.25}{M} [ b + d + 2 (c + e) + 3 f ]$$

shall be used to make a calculation based on the road conditions. In the formula:

M = Total length of the carriage route = m

b = Length of any type of paved road with inclinations of 10% to 15%

(inclusive) in m c = Length of any type of paved road with inclinations higher than 15% in m

d = Raw road length with up to 10% (inclusive) inclination in m

e = Raw road length with 10% to 15% (inclusive) inclination in m

f = Raw road length with greater inclination than 15% in m.

NOTE: If the excavation, road, superstructure and industrial production materials in m<sup>3</sup> are:

- a. Mixed in different types and grain sizes,
  - b. With unspecified densities since they are dry, humid or wet,
  - c. Various ground excavations and construction materials are mixed for the production of roads and industrial production under the same tender,
- the carriage fee per m<sup>3</sup>:

Shall be calculated by multiplying the coefficients in the formulas of Item 07.004, Item 07.005, and Item 07.006 by a coefficient that is maximum 2, which shall be specified in the contract and its annexes and approved by the authorized body of the investing organization before the tender, shall be applied to all materials (except water) in m<sup>3</sup> to be carried as part of the relevant task.

**2. Loads that are carried by a wheelbarrow, on an animal's back or drawn by an animal:**  
Item 07.001: Carriages made by a wheelbarrow.

Carriage of 1 ton of load to a distance of M =        m.

$F = 0.013 k \cdot M$  TRY/ton.

k = Hourly rate of an unskilled worker: TRY.

M = Carriage distance up to 100 m (inclusive).

Item 07.002 Carriages on an animal's back.

Carriage of 1 ton of load to a distance of M =        m.

$F = k \cdot (0.0002 M + 0.025)$  TRY / Ton.

k = "The daily rate of a road train that is made up of three horses or mules and a rider (or five donkeys)" in the item 02.002 specified in the market price table published by the Ministry of Environment and Urbanization.

**3- Item 07.003: Carriages by animal-drawn carts.**

Carriage of 1 ton of load to a distance of M =        m.

$F = k (0.00016 M + 0.03)$  TRY/Ton.

k = "Carriage coefficient for carts drawn by any animal" in the item 02.016 in the market price table published by the Ministry of Public Works.

NOTE: The carriage formulas for carriages made by different vehicles given in the items 1, 2 and 3 above give the carriage fees per ton (not including loading and unloading),

- a. and for the carriage of materials for which the analysis does not include loading, unloading, laying and stowing at the work site, the calculation shall be based on the Item No. of the carried materials (09.001 - 09.021) (without any profit and overheads) and the calculated amount shall be added to the amounts found.
- b. For carriages measured in m<sup>3</sup>, carriage fee F per m<sup>3</sup> of material shall be paid as the price per carriage of a ton of material x density of the material.
- c. Carriage fee for reinforced concrete flumes and plastic pipes shall be paid as double the amount found by the formula given above.



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**CONSTRUCTION UNIT PRICE DEFINITIONS  
MARKET PRICES**

2019

**Construction Unit Price Definitions, Market Prices**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	MARKET PRICE (TRY)
	<b>LOADING, UNLOADING AND STOWING MATERIALS (Except Transportation)</b>		
15.100.1001	Loading, unloading and stowing of any type of 1-ton cement and lime (Loading fee is deducted for ex-factory materials.)	Tons	14,38
15.100.1002	Loading onto vehicles, unloading from vehicles and storing of 1 m <sup>3</sup> of sand, gravel, all-in aggregate materials, stabilized crushed stone, lightweight aggregate, and marble chips	m <sup>3</sup>	2,91
15.100.1003	Loading onto vehicles, unloading from vehicles and storing of 1 m <sup>3</sup> of any type of stone	m <sup>3</sup>	3,19
15.100.1004	Loading onto vehicles, unloading from vehicles, and stowing of 1 ton of any type of reinforcement steel, profiles and flat bars (Loading fee is deducted for ex-factory materials.)	Tons	12,68
15.100.1005	Loading onto vehicles, unloading from vehicles, and stowing of 1 ton of steel pipes	Tons	25,34
15.100.1006	Loading onto vehicles, unloading from vehicles, and stowing of 1 ton of PE, HDPE and PVC-based pipes of any type	Tons	38,01
15.100.1007	Loading onto vehicles, unloading from vehicles, and stowing of regular, exterior wall, modular solid or perforated bricks and grooved tiles	1000 pcs.	15,63
15.100.1008	Loading onto vehicles, unloading from vehicles, and stowing of any type of AAC material, expanded perlite aggregate, and materials (bricks, panels, premixed dry mortar, etc.) made of such aggregate	m <sup>3</sup>	4,46
	<b>CUTTING, UPROOTING AND CLEARING OF SHRUBS AND TREES IN THE EXCAVATION AREA</b>		
15.105.1001	Cutting and clearing of the shrubs in the excavation area	100 m <sup>2</sup>	359,38
15.105.1002	Clearing and uprooting plants by machines in the excavation area	100 m <sup>2</sup>	43,50
	<b>Cutting and Uprooting of Trees:</b>		
15.105.1101	Manual cutting and uprooting of trees, for each tree that is 5 to 10 cm (including 10 cm) in diameter	Qty	7,19
15.105.1102	Manual cutting and uprooting of trees, for each tree that is 11 to 20 cm (including 20 cm) in diameter	Qty	14,38
15.105.1103	Manual cutting and uprooting of trees, for each tree that is 21 to 30 cm (including 30 cm) in diameter	Qty	28,75
15.105.1104	Manual cutting and uprooting of trees, for each tree that is 31 to 40 cm (including 40 cm) in diameter	Qty	43,13
15.105.1105	Manual cutting and uprooting of trees, for each tree that is 41 to 50 cm (including 50 cm) in diameter	Qty	57,50
15.105.1106	Manual cutting and uprooting of trees, for each tree that is 51 to 60 cm (including 60 cm) in diameter	Qty	86,25
15.105.1107	Manual cutting and uprooting of trees, for each tree that is 61 to 70 cm (including 70 cm) in diameter	Qty	129,38
15.105.1108	Manual cutting and uprooting of trees, for each tree that is 71 to 80 cm (including 80 cm) in diameter	Qty	172,50
15.105.1109	Manual cutting and uprooting of trees, for each tree that is greater than 81 cm in diameter	Qty	287,50
	<b>PAY RISE FORMULAE FOR EXCAVATION DEPTH:</b>		
15.110.1001	Pay rise for depth for manual (wide - narrow) deep excavations in any type of soil (unshored excavations): $F = 5.688 \times H - 11.376$ (including 25% contractor's general expenses and profit)	m <sup>3</sup>	
15.110.1002	Pay rise for depth for manual excavations (wide-narrow) in any type of soil (opposing, open, closely coated and fully coated shoring) $F = 11.375 \times H - 22.75$ (including 25% contractor's general expenses and profit)	m <sup>3</sup>	
	Note: H: The difference in meters between the elevation where free excavation ends and narrow excavation begins and the elevation of the deep excavation base elevation		

**Construction Unit Price Definitions, Market Prices**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	MARKET PRICE (TRY)
	<b>A) MANUAL FREE EXCAVATIONS:</b>		
15.115.1001	Manual digging of soft soil (loose soil and topsoil, loose silt, sand and similar other materials)	m <sup>3</sup>	28,76
15.115.1002	Manual digging of hard soil (clay, silty, sandy and soft clay, clayey sand and gravel, soil with stones that can be laid by shovel, and similar other flooring materials)	m <sup>3</sup>	37,39
15.115.1003	Manual digging of soft loose rock layer (hard clay, soft marl and tuff, compact gravel, any type of hand-laid loose rock sized up to 0.100 m <sup>3</sup> , mud and similar other soils for resemblance in terms of excavation difficulty)	m <sup>3</sup>	46,73
15.115.1004	Manual digging of hard loose rock layer (altered and fissured rock, altered sandstone, schist, lithified marl and clay, any type of loose rock that can be crushed to 0.100 - 0.400 m <sup>3</sup> and laid manually, and similar other flooring materials)	m <sup>3</sup>	53,91
15.115.1005	Excavation of soft rock manually or by a compressor, using explosives(stratified limestone, marl limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basaltic tuff), same type of loose rock larger than 0.400 m <sup>3</sup> , and similar other rocks)	m <sup>3</sup>	43,56
15.115.1006	Excavation of hard rock manually or by a compressor, using explosives(thick layers and masses of hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite, trachyte basalt tuffs, and the same type of loose rocks and similar other rock blocks sized above 0.400 m <sup>3</sup> )	m <sup>3</sup>	52,78
15.115.1007	Excavation of very hard rock manually or by a compressor, using explosives (unaltered granite and similar materials, basalt, porphyry, quartz, and similar other loose rocks and similar other rock blocks sized above 0.400 m <sup>3</sup> )	m <sup>3</sup>	64,01
15.115.1008	Excavation of soft rock manually or by a compressor, without using explosives (stratified limestone, marl limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basaltic tuff), same type of loose rock larger than 0.400 m <sup>3</sup> , and similar other rock blocks)	m <sup>3</sup>	71,43
15.115.1009	Excavation of hard rock manually or by a compressor, without using explosives(hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite, trachyte basalt tuffs, and the same type of loose rocks and similar other rock blocks sized above 0.400 m <sup>3</sup> )	m <sup>3</sup>	97,55
15.115.1010	Excavation of very hard rock manually or by a compressor, without using explosives(unaltered granite and similar materials, basalt, porphyry, quartz, and similar other loose rocks and similar other rock blocks sized above 0.400 m <sup>3</sup> )	m <sup>3</sup>	147,13
15.115.1011	Manual excavation of sludge or slime (creeping and adhesive soils with high water content, which do not easily release its water content)	m <sup>3</sup>	86,26
	<b>B) MANUAL DEEP EXCAVATIONS (The pay rise for depth per the item 15.110.1001 and 15.110.1002 shall be applicable to the excavations deeper than 2.00 meters.)</b>		
15.115.1201	Wide and deep manual excavation of soft and hard soil at any depth(loose topsoil, loose silt, sand, clay, silty, sandy and soft clay, clayey sand and gravel, soil with stones that can be laid by shovel, and similar other soils)	m <sup>3</sup>	53,93
15.115.1202	Narrow and deep manual excavation of soft and hard soil at any depth(loose topsoil, loose silt, sand, clay, silty, sandy and soft clay, clayey sand and gravel, soil with stones that can be laid by shovel, and similar other soils)	m <sup>3</sup>	59,31

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.115.1203	Wide and deep manual excavation of soft and hard loose rock layer at any depth (hard clay, soft marl and tuff, compact gravel, mud because of similar difficulty of excavation, altered and fissured rock, altered sandstone, schist, lithified marl and clay, any type of loose rocks and similar other rock blocks sized 0 to 0.400 m <sup>3</sup> )	m <sup>3</sup>	77,65
15.115.1204	Narrow and deep manual excavation of soft and hard loose rock layer at any depth (hard clay, soft marl and tuff, compact gravel, mud because of similar difficulty of excavation, altered and fissured rock, altered sandstone, schist, lithified marl and clay, any type of loose rocks and similar other rock blocks sized 0 to 0.400 m <sup>3</sup> )	m <sup>3</sup>	85,41
15.115.1205	Wide and deep excavation manually or by compressor and explosive at any depth in soft, hard and very hard rock (stratified limestone, marn limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basalt tuff) hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite, trachyte basalt tuff, unaltered granite and similar other materials, basalt, porphyry, quartz, and similar type of loose rocks and similar other materials larger than 0.400 m <sup>3</sup> )	m <sup>3</sup>	95,13
15.115.1206	Narrow and deep excavation manually or by compressor and explosive at any depth in soft, hard and very hard rock (stratified limestone, marn limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basalt tuff) hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite, trachyte basalt tuff, unaltered granite and similar other materials, basalt, porphyry, quartz, and similar type of loose rocks and similar other materials larger than 0.400 m <sup>3</sup> )	m <sup>3</sup>	104,64
15.115.1207	Wide and deep excavation manually or by compressor and without explosive at any depth in soft rock (stratified limestone, marl limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basaltic tuff), same type of loose rock larger than 0.400 m <sup>3</sup> , and similar other flooring materials)	m <sup>3</sup>	102,70
15.115.1208	Narrow and deep excavation manually or by compressor and without explosive at any depth in soft rock (stratified limestone, marl limestone, marl, schist, sandstone, loose conglomerate, gypsum, volcanic tuff (except basaltic tuff), same type of loose rock larger than 0.400 m <sup>3</sup> , and similar other flooring materials)	m <sup>3</sup>	112,98
15.115.1209	Wide and deep excavation manually or by compressor and without explosive at any depth in hard rock (thick layers and masses of hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite, trachyte basalt tuffs, and the same type of loose rocks and similar other flooring materials sized above 0.400 m <sup>3</sup> )	m <sup>3</sup>	128,81
15.115.1210	Narrow and deep excavation manually or by compressor and without explosive at any depth in hard rock (thick layers and masses of hard sandstone, strongly cemented conglomerate, hard limestone, marble, unaltered antigorite, andesite, trachyte basalt tuffs, and the same type of loose rocks and similar other flooring materials sized above 0.400 m <sup>3</sup> )	m <sup>3</sup>	141,70
15.115.1211	Wide and deep excavation manually or by compressor and without explosive at any depth in very hard rock (unaltered granite and similar materials, basalt, porphyry, quartz, and similar other loose rocks and similar other flooring materials sized above 0.400 m <sup>3</sup> )	m <sup>3</sup>	181,06
15.115.1212	Narrow and deep excavation manually or by compressor and without explosive at any depth in very hard rock (unaltered granite and similar materials, basalt, porphyry, quartz, and similar other loose rocks and similar other flooring materials sized above 0.400 m <sup>3</sup> )	m <sup>3</sup>	199,18



**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.115.1213	Compression of any type of excavation laid for filling (except rock soil) in layers by tamping	m <sup>3</sup>	15,23
15.115.1214	Plowing the surface beneath the backfill	1000 m <sup>2</sup>	56,25
15.115.1215	Manual excavation of wide and deep sludge and slime at any depth (creeping and adhesive soils with high water content, which do not easily release its water content)	m <sup>3</sup>	130,11
15.115.1216	Manual excavation of narrow and deep sludge and slime at any depth (creeping and adhesive soils with high water content, which do not easily release its water content)	m <sup>3</sup>	143,13
	<b>MECHANIZED EXCAVATIONS FOR CONSTRUCTION WORKS:</b>		
	<b>A- Mechanized free excavations:</b>		
15.120.1001	Machine excavation of soft and hard soil (Free excavation)	m <sup>3</sup>	4,73
15.120.1002	Machine excavation of soft and hard layers of loose rock (Free excavation)	m <sup>3</sup>	6,29
15.120.1003	Machine excavation of sludge and slime (Free excavation)	m <sup>3</sup>	9,30
15.120.1004	Machine excavation of soft rock, using explosives (Free excavation)	m <sup>3</sup>	15,24
15.120.1005	Machine excavation of soft rock, without using explosives (Free excavation)	m <sup>3</sup>	10,68
15.120.1006	Machine excavation of hard rock, using explosives (Free excavation)	m <sup>3</sup>	19,61
15.120.1007	Machine excavation of hard rock, without using explosives (Free excavation)	m <sup>3</sup>	24,48
15.120.1008	Machine excavation of very hard rock, using explosives (Free excavation)	m <sup>3</sup>	25,23
15.120.1009	Machine excavation of very hard rock, without using explosives (Free excavation)	m <sup>3</sup>	33,10
	<b>B- Mechanized deep excavations:</b>		
15.120.1101	Machine excavation of soft and hard soil at any depth and width (Deep excavation)	m <sup>3</sup>	5,44
15.120.1102	Machine excavation of soft and hard layer of loose rock at any depth and width (Deep excavation)	m <sup>3</sup>	8,01
15.120.1103	Machine excavation of sludge and slime at any depth and width (Deep excavation)	m <sup>3</sup>	12,71
15.120.1104	Machine excavation of soft rock, using explosives at any depth and width (Deep excavation)	m <sup>3</sup>	21,20
15.120.1105	Machine excavation of soft rock, without using explosives, at any depth and width (Deep excavation)	m <sup>3</sup>	13,31
15.120.1106	Machine excavation of hard rock, using explosives at any depth and width (Deep excavation)	m <sup>3</sup>	25,39

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.120.1107	Machine excavation of hard rock, without using explosives, at any depth and width (Deep excavation)	m <sup>3</sup>	31,79
15.120.1108	Machine excavation of very hard rock, using explosives at any depth and width (Deep excavation)	m <sup>3</sup>	32,50
15.120.1109	Machine excavation of very hard rock, without using explosives, at any depth and width (Deep excavation)	m <sup>3</sup>	39,79
	<b>FILLING WORKS</b>		
15.125.1001	Supply, and manual laying, watering and compacting of sand	m <sup>3</sup>	36,35
15.125.1002	Supply, and manual laying, watering and compacting of gravel	m <sup>3</sup>	36,35
15.125.1003	Supply, and machine laying, watering and compacting of sand	m <sup>3</sup>	19,18
15.125.1004	Supply, and machine laying, watering and compacting of gravel	m <sup>3</sup>	19,18
15.125.1005	Supplying sand, and making drainage	m <sup>3</sup>	55,00
15.125.1006	Supplying gravel, and making drainage	m <sup>3</sup>	55,00
15.125.1007	Supply, and manual laying, watering and compacting of crushed stone up to 32 mm	m <sup>3</sup>	68,85
15.125.1008	Supply, and machine laying, watering and compacting of crushed stone up to 32 mm	m <sup>3</sup>	51,68
15.125.1009	Supply, and manual laying, watering and compacting of crushed stone up to 63 mm	m <sup>3</sup>	65,10
15.125.1010	Supply, and machine laying, watering and compacting of crushed stone up to 63 mm	m <sup>3</sup>	47,93
15.125.1011	Backfill with lightweight aggregate (Sieved coal sleg clinker)	m <sup>3</sup>	10,06
	<b>SHORING WORK:</b>		
15.130.1002	Full timber shoring for excavations	m <sup>2</sup>	71,10
15.130.1003	Dense timber shoring for excavations	m <sup>2</sup>	49,78
15.130.1004	Open timber shoring for excavations	m <sup>2</sup>	35,55
	<b>JET GROUTING</b>		
15.135.1001	Building jet grout columns Ø60 cm in diameter for any length, angle and any kind of soil (by jet 1 grouting method) (including drilling)	m	87,00
15.135.1002	Building jet grout columns Ø80 cm in diameter for any length, angle and any kind of soil (by jet 1 grouting method) (including drilling)	m	100,66
15.135.1003	Building jet grout columns Ø60 cm in diameter for any length, angle and any kind of soil (by jet 2 grouting method) (including drilling)	m	102,40
15.135.1004	Building jet grout columns Ø80 cm in diameter for any length, angle and any kind of soil (by jet 2 grouting method) (including drilling)	m	118,11
15.135.1005	Building jet grout columns Ø100 cm in diameter for any length, angle and any kind of soil (by jet 2 grouting method) (including drilling)	m	140,89
	<b>BORED PILE WORKS (including the boring and concrete charges, excluding the iron charge)</b>		
	<b>Using C 20 / 25 ready-mix concrete</b>		
15.140.1001	Making cast in-situ reinforced concrete bored piles with Ø30 cm diameter, any length, C 20/25 compressive strength	m	110,00
15.140.1002	Making cast in-situ reinforced concrete bored piles with Ø45 cm diameter, any length, C 20/25 compressive strength	m	142,00

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.140.1003	Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 20/25 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	239,93
15.140.1004	Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 20/25 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	260,08
15.140.1005	Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 20/25 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	312,49
15.140.1006	Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 20/25 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	346,08
15.140.1007	Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 20/25 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	468,09
15.140.1008	Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 20/25 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	528,10
15.140.1009	Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 20/25 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	643,36
15.140.1010	Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 20/25 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	729,13
15.140.1011	Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 20/25 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	1.059,66
15.140.1012	Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 20/25 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	1.231,16
	<b>Using C 25 / 30 ready-mix concrete</b>		
15.140.1101	Making cast in-situ reinforced concrete bored piles with Ø30 cm diameter, any length, C 25/30 compressive strength	m	110,60
15.140.1102	Making in-situ reinforced concrete bored piles with Ø45 cm diameter, any length, C 25/30 compressive strength	m	143,28
15.140.1103	Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 25/30 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	242,63
15.140.1104	Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 25/30 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	262,78
15.140.1105	Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 25/30 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	316,61
15.140.1106	Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 25/30 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	350,20
15.140.1107	Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 25/30 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	474,54
15.140.1108	Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 25/30 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	534,55
15.140.1109	Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 25/30 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	652,66

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.140.1110	Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 25/30 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	738,43
15.140.1111	Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 25/30 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	1.077,29
15.140.1112	Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 25/30 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	1.248,79
	<b>Using C 30 / 37 ready-mix concrete</b>		
15.140.1201	Making cast in-situ reinforced concrete bored piles with Ø30 cm diameter, any length, C 30/37 compressive strength	m	111,20
15.140.1202	Making cast in-situ reinforced concrete bored piles with Ø45 cm diameter, any length, C 30/37 compressive strength	m	144,55
15.140.1203	Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 30/37 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	245,33
15.140.1204	Making cast in-situ reinforced concrete bored piles with Ø65 cm diameter, C 30/37 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	265,48
15.140.1205	Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 30/37 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	320,74
15.140.1206	Making cast in-situ reinforced concrete bored piles with Ø80 cm diameter, C 30/37 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	354,33
15.140.1207	Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 30/37 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	480,99
15.140.1208	Making cast in-situ reinforced concrete bored piles with Ø100 cm diameter, C 30/37 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	541,00
15.140.1209	Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 30/37 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	661,96
15.140.1210	Making cast in-situ reinforced concrete bored piles with Ø120 cm diameter, C 30/37 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	747,73
15.140.1211	Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 30/37 compressive strength (0.00 to 18.00 m, including 18.00 m)	m	1.094,91
15.140.1212	Making cast in-situ reinforced concrete bored piles with Ø165 cm diameter, C 30/37 compressive strength (18.01 to 36.00 m, including 36.00 m)	m	1.266,41
	<b>READY-MIX CONCRETE (GRAY, NORMAL)</b>		
15.150.1001	Pouring of gray, regular, ready-mix concrete of compressive strength class C 8/10, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	187,30
15.150.1002	Pouring of gray, regular, ready-mix concrete of compressive strength class C 12/15, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	199,80
15.150.1003	Pouring of gray, regular, ready-mix concrete of compressive strength class C 16/20, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	207,61

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.150.1004	Pouring of gray, regular, ready-mix concrete of compressive strength class C 20/25, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	212,61
15.150.1005	Pouring of gray, regular, ready-mix concrete of compressive strength class C 25/30, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	220,11
15.150.1006	Pouring of gray, regular, ready-mix concrete of compressive strength class C 30/37, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	227,61
15.150.1007	Pouring of gray, regular, ready-mix concrete of compressive strength class C 35/45, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	241,36
15.150.1008	Pouring of gray, regular, ready-mix concrete of compressive strength class C 40/50, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	255,11
15.150.1009	Pouring of gray, regular, ready-mix concrete of compressive strength class C 45/55, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	260,11
15.150.1010	Pouring of gray, regular, ready-mix concrete of compressive strength class C 50/60, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	266,36
	<b>READY-MIX CONCRETE (WHITE, NORMAL)</b>		
15.150.1101	Pouring of white, regular, ready-mix concrete of compressive strength class C 8/10, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	262,30
15.150.1102	Pouring of white, regular, ready-mix concrete of compressive strength class C 12/15, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	269,80
15.150.1103	Pouring of white, regular, ready-mix concrete of compressive strength class C 16/20, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	286,36
15.150.1104	Pouring of white, regular, ready-mix concrete of compressive strength class C 20/25, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	301,36
15.150.1105	Pouring of white, regular, ready-mix concrete of compressive strength class C 25/30, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	316,36
15.150.1106	Pouring of white, regular, ready-mix concrete of compressive strength class C 30/37, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	337,61
15.150.1107	Pouring of white, regular, ready-mix concrete of compressive strength class C 35/45, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	360,11
15.150.1108	Pouring of white, regular, ready-mix concrete of compressive strength class C 40/50, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	390,11
15.150.1109	Pouring of white, regular, ready-mix concrete of compressive strength class C 45/55, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	412,61
15.150.1110	Pouring of white, regular, ready-mix concrete of compressive strength class C 50/60, manufactured in a concrete plant or purchased, and pumped by a concrete pump (including transportation of concrete)	m <sup>3</sup>	435,11
	<b>PREFABRICATED CONCRETE STRUCTURES</b>		
15.155.1001	Flooring with 12-cm thickness, precast, prestressed, hollow, load-bearing concrete flooring components.	m <sup>2</sup>	148,39

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.155.1002	Flooring with 16-cm thickness, precast, prestressed, hollow, load-bearing concrete flooring components.	m <sup>2</sup>	152,79
15.155.1003	Flooring with 20-cm thickness, precast, prestressed, hollow, load-bearing concrete flooring components.	m <sup>2</sup>	161,71
15.155.1004	Flooring with 20-cm thickness, precast, prestressed, hollow, heavy load-bearing concrete flooring components.	m <sup>2</sup>	192,31
15.155.1005	Flooring with 24-cm thickness, precast, prestressed, hollow, load-bearing concrete flooring components.	m <sup>2</sup>	209,00
15.155.1006	Flooring with 24-cm thickness, precast, prestressed, hollow, heavy load-bearing concrete flooring components.	m <sup>2</sup>	237,05
15.155.1007	Building walls with 12-cm thickness, precast, prestressed, hollow concrete partition (wall) components.	m <sup>2</sup>	137,04
15.155.1008	Building walls with 16-cm thickness, precast, prestressed, hollow concrete partition (wall) components.	m <sup>2</sup>	151,06
	<b>PROCESSING - ATTACHMENT OF CONCRETE STEEL BARS WITH SLEEVES:</b>		
15.160.1001	Installation of ribbed steel mesh 1,500 to 3,000 kg/m <sup>2</sup> (including 3,000 kg/m <sup>2</sup> )	Tons	4.319,38
15.160.1002	Installation of ribbed steel mesh 3,001 to 10,000 kg/m <sup>2</sup> (including 10,000 kg/m <sup>2</sup> )	Tons	4.226,31
15.160.1003	Cutting, bending, and installation of Ø8 to Ø12-mm ribbed concrete steel bars	Tons	4.029,78
15.160.1004	Cutting, bending, and installation of Ø14 to Ø28-mm ribbed concrete steel bars	Tons	3.965,28
15.160.1005	Cutting, bending, and installation of ribbed concrete steel bars larger than Ø28 mm	Tons	3.916,65
	<b>STEEL STRUCTURES:</b>		
15.165.1001	Individual or joint preparation and installation of irons of any profile (rafters made as purlins, one-way slabs, continuous beams, individual roof purlins and rafters, lintels, one-way slabs, corner reinforcement irons, columns for simple use, and girders used for bonding of vierendeel columns, and similar other structures)	Tons	7.097,03
15.165.1002	Production and installation of roof trusses with profile iron	Tons	7.529,71
15.165.1003	Construction and installation of carcass (framework) with any profile, steel bar and steel sheet (structural carcass, profile iron beams for bridges, ends, connections and other structures)	Tons	7.131,60
	<b>FORMWORK</b>		
15.180.1001	Serial production of wooden formwork	m <sup>2</sup>	21,21
15.180.1002	Production of concrete or reinforced concrete form made of wood	m <sup>2</sup>	54,95
15.180.1003	Production of plywood reinforced concrete form with smooth surface	m <sup>2</sup>	57,48
15.180.1004	Production of concrete or reinforced concrete form with sheet metal	m <sup>2</sup>	60,58
15.180.1005	Production of reinforced concrete formwork with tunnel formwork system	m <sup>2</sup>	68,09
	<b>FORMWORK AND SCAFFOLDS</b>		
15.185.1001	Making formwork with steel pipes (0.00 to 4.00 m)	m <sup>3</sup>	7,89
15.185.1002	Making formwork with steel pipes (4.01 to 6.00 m)	m <sup>3</sup>	9,24
15.185.1003	Making formwork with steel pipes (6.01 to 8.00 m)	m <sup>3</sup>	10,58
15.185.1004	Making formwork with steel pipes (8.01 to 10.00 m)	m <sup>3</sup>	11,95
15.185.1011	Making fully-safe exterior wall working scaffold with precast components (0.00 to 51.50 m)	m <sup>2</sup>	12,90
15.185.1012	Making fully-safe ceiling working scaffold with precast components (0.00 to 21.50 m)	m <sup>3</sup>	10,48

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>APPLICATIONS OF VARIOUS BUILDING CHEMICALS</b>		
15.190.1001	Application of basalt aggregate (gray) surface hardeners and curing (on fresh concrete)	m <sup>2</sup>	10,64
15.190.1002	Application of quartz aggregate (gray) surface hardeners and curing (on fresh concrete)	m <sup>2</sup>	10,95
15.190.1003	Application of quartz-corundum aggregate (gray) surface hardeners and curing (on fresh concrete)	m <sup>2</sup>	11,89
15.190.1004	Application of corundum aggregate (gray) surface hardeners and curing (on fresh concrete)	m <sup>2</sup>	12,83
15.190.1005	Grooving joints in 4 mm width and 40 mm depth, and filling polyethylene cylinder and polyurethane joint mastic	m <sup>2</sup>	7,59
15.190.1006	Curing of fresh concrete surfaces	m <sup>2</sup>	2,23
15.190.1007	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar	m <sup>2</sup>	13,18
	<b>INSTALLATION OF CONCRETE/REINFORCED CONCRETE PIPES</b>		
15.195.1001	Installation of 1500-mm-long concrete pipes with integrated seal, Ø200-mm inner diameter and 30-40-mm thickness	m	54,01
15.195.1002	Installation of 1500-mm-long concrete pipes with integrated seal, Ø300-mm inner diameter and 45-50-mm thickness	m	68,98
15.195.1003	Installation of 1500-mm-long concrete pipes with integrated seal, Ø400-mm inner diameter and 45-55-mm thickness	m	90,85
15.195.1004	Installation of 2000-mm-long reinforced concrete pipes with integrated seal, Ø1000-mm inner diameter and 110-115-mm thickness	m	431,23
	<b>INSTALLATION OF DRAINAGE BOARDS</b>		
15.200.1001	Supply and installation of HDPE-based drainage and protection boards on thermal insulators applied with water insulation and insulation pins for basement curtains (150 ≤ compressive strength < 200 KN/m <sup>2</sup> )	m <sup>2</sup>	7,74
15.200.1002	Supply and installation of HDPE-based drainage and protection boards on thermal insulators applied with water insulation and insulation pins for basement curtains (200 ≤ compressive strength < 250 KN/m <sup>2</sup> )	m <sup>2</sup>	8,73
15.200.1003	Supply and installation of HDPE-based drainage and protection boards on thermal insulators applied with water insulation and insulation pins for basement curtains (250 ≤ compressive strength < 350 KN/m <sup>2</sup> )	m <sup>2</sup>	10,30
15.200.1004	Supply and installation of HDPE-based drainage and protection boards applied on water insulation for basement curtains (150 ≤ compressive strength < 200 KN/m <sup>2</sup> )	m <sup>2</sup>	9,25
15.200.1005	Supply and installation of HDPE-based drainage and protection boards applied on water insulation for basement curtains (200 ≤ compressive strength < 250 KN/m <sup>2</sup> )	m <sup>2</sup>	10,24
15.200.1006	Supply and installation of HDPE-based drainage and protection boards applied on water insulation for basement curtains (250 ≤ compressive strength < 350 KN/m <sup>2</sup> )	m <sup>2</sup>	11,81
	<b>INSTALLATION OF DRAINAGE WITH PVC-BASED, CORRUGATED DRAINAGE PIPES</b>		
15.205.1001	Supply and installation of PVC-based, corrugated drainage pipes with Ø100 mm nominal diameter	m	4,84
15.205.1002	Supply and installation of PVC-based, corrugated drainage pipes with Ø125 mm nominal diameter	m	7,68
15.205.1003	Supply and installation of PVC-based, corrugated drainage pipes with Ø160 mm nominal diameter	m	11,55
15.205.1004	Supply and installation of PVC-based, corrugated drainage pipes with Ø200 mm nominal diameter	m	15,86

**Construction Unit Price Definitions, Market Prices**

ITEM NO	DESCRIPTION	UNIT OF MEASURE	MARKET PRICE (TRY)
	<b>STONE WORKS:</b>		
15.210.1001	Construction of dry wall with quarry stones	m <sup>3</sup>	94,58
15.210.1002	Masonry construction works with quarry stones and 200-kg/m <sup>3</sup> cement mortar	m <sup>3</sup>	151,35
15.210.1003	Masonry construction works with quarry-faced rubble stones and 200-kg/m <sup>3</sup> cement mortar	m <sup>3</sup>	224,81
15.210.1004	Rock buttressing with quarry stone	m <sup>3</sup>	88,65
	<b>BRICK WORKS</b>		
	<b>Building walls using horizontally perforated bricks (LD units)</b>		
15.220.1001	Building walls using 85-mm thickness, horizontally perforated bricks (190 x 85 x 190 mm)	m <sup>2</sup>	40,95
15.220.1002	Building walls using 100-mm thickness, horizontally perforated bricks (200 x 100 x 200 mm)	m <sup>2</sup>	42,35
15.220.1003	Building walls using 120-mm thickness, horizontally perforated bricks (250 x 120 x 200 mm)	m <sup>2</sup>	44,31
15.220.1004	Building walls using 135-mm thickness, horizontally perforated bricks (190 x 135 x 190 mm)	m <sup>2</sup>	46,06
15.220.1005	Building walls using 190-mm thickness, horizontally perforated bricks (190 x 190 x 135 mm)	m <sup>2</sup>	53,39
15.220.1006	Building walls using 200-mm thickness, horizontally perforated bricks (250 x 200 x 250 mm)	m <sup>2</sup>	56,05
15.220.1007	Building wall with 240-mm thickness, horizontally perforated bricks (235 x 240 x 135 mm)	m <sup>2</sup>	62,80
15.220.1008	Building walls using 250-mm thickness, horizontally perforated bricks (240 x 250 x 190 mm)	m <sup>2</sup>	64,15
	<b>Building walls using vertically perforated bricks (LD units) (Class W - 700 kg/m<sup>3</sup>)</b>		
15.220.1101	Building a wall using 115-mm thickness, vertically-perforated bricks (240 x 115 x 235 mm) (Class W - 700 kg/m <sup>3</sup> )	m <sup>2</sup>	47,96
15.220.1102	Building a wall using 145-mm thickness, vertically-perforated bricks (240 x 145 x 235 mm) (Class W - 700 kg/m <sup>3</sup> )	m <sup>2</sup>	53,71
15.220.1103	Building a wall using 175-mm thickness, vertically-perforated bricks (240 x 175 x 235 mm) (Class W - 700 kg/m <sup>3</sup> )	m <sup>2</sup>	59,66
15.220.1104	Building a wall using 190-mm thickness, vertically-perforated bricks (290 x 190 x 235 mm) (Class W - 700 kg/m <sup>3</sup> )	m <sup>2</sup>	62,10
15.220.1105	Building a wall using 240-mm thickness, vertically-perforated bricks (240 x 240 x 235 mm) (Class W - 700 kg/m <sup>3</sup> )	m <sup>2</sup>	71,80
15.220.1106	Building a wall using 250-mm thickness, vertically-perforated bricks (240 x 250 x 235 mm) (Class W - 700 kg/m <sup>3</sup> )	m <sup>2</sup>	73,74
15.220.1107	Building a wall using 300-mm thickness, vertically-perforated bricks (240 x 300 x 235 mm) (Class W - 700 kg/m <sup>3</sup> )	m <sup>2</sup>	83,15
	<b>Building walls using vertically perforated bricks (LD units) (Class AB - 650 kg/m<sup>3</sup>)</b>		
15.220.1201	Building a wall using 190-mm thickness, vertically-perforated bricks (290 x 190 x 135 mm) (Class AB - 650 kg/m <sup>3</sup> )	m <sup>2</sup>	59,24
15.220.1202	Building a wall using 240-mm thickness, vertically-perforated bricks (290 x 240 x 190 mm) (Class AB - 650 kg/m <sup>3</sup> )	m <sup>2</sup>	66,24
15.220.1203	Building a wall using 290-mm thickness, vertically-perforated bricks (240 x 290 x 190 mm) (Class AB - 650 kg/m <sup>3</sup> )	m <sup>2</sup>	76,19
15.220.1204	Building a wall using 390-mm thickness, vertically-perforated bricks (190 x 390 x 190 mm) (Class AB - 650 kg/m <sup>3</sup> )	m <sup>2</sup>	92,09
	<b>Building walls using vertically perforated facing bricks (HD units)</b>		
15.220.1301	Building walls using 90-mm thickness, vertically perforated exterior wall bricks (190 x 90 x 50 mm)	m <sup>2</sup>	115,03



**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.220.1302	Building walls using 102-mm thickness, vertically perforated exterior wall bricks (215 x 102 x 65 mm)	m <sup>2</sup>	146,95
	<b>Building walls using vertically perforated bricks (HD units)</b>		
15.220.1401	Building walls using 190-mm thickness, vertically perforated bricks (290 x 190 x 135 mm)	m <sup>2</sup>	65,84
15.220.1402	Building walls using 290-mm thickness, horizontally perforated bricks (190 x 290 x 135 mm)	m <sup>2</sup>	84,85
	<b>Building walls using clay bricks</b>		
15.220.1451	Building walls using 90-mm thickness, solid clay bricks (190 x 90 x 50 mm)	m <sup>2</sup>	71,41
15.220.1452	Building walls using 90-mm thickness, perforated clay bricks (190 x 90 x 50 mm)	m <sup>2</sup>	71,41
	<b>Hollow tile flooring with hollow flooring tiles</b>		
15.220.1501	Hollow tile flooring with 200-mm-high hollow flooring tiles (200 x 200 x 400 mm)	m <sup>2</sup>	46,01
15.220.1502	Hollow tile flooring with 225-mm-high hollow flooring tiles (225 x 200 x 400 mm)	m <sup>2</sup>	51,39
15.220.1503	Hollow tile flooring with 250-mm-high hollow flooring tiles (250 x 200 x 400 mm)	m <sup>2</sup>	56,43
15.220.1504	Hollow tile flooring with 275-mm-high hollow flooring tiles (275 x 200 x 400 mm)	m <sup>2</sup>	61,48
15.220.1505	Hollow tile flooring with 300-mm-high hollow flooring tiles (300 x 200 x 400 mm)	m <sup>2</sup>	66,68
15.220.1506	Hollow tile flooring with 325-mm-high hollow flooring tiles (325 x 200 x 400 mm)	m <sup>2</sup>	71,73
15.220.1507	Hollow tile flooring with 350-mm-high hollow flooring tiles (350 x 200 x 400 mm)	m <sup>2</sup>	76,76
	<b>Supply and placement of Reinforced Brick Lintel</b>		
15.220.1602	Supply and placement of 12 to 13.5-cm-thickness, reinforced brick lintels	m	77,83
15.220.1603	Supply and placement of 14.5 to 16-cm-thickness, reinforced brick lintels	m	81,74
15.220.1604	Supply and placement of 18.5 to 20-cm-thickness, reinforced brick lintels	m	90,71
15.220.1605	Supply and placement of 23.5 to 25-cm-thickness, reinforced brick lintels	m	99,81
	<b>AAC WORKS</b>		
	<b>Building walls with unreinforced AAC wall blocks (with AAC glue) (2.50 N/mm<sup>2</sup> and 400 kg/m<sup>3</sup>)</b>		
15.225.1001	Building walls with 7.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	37,90
15.225.1002	Building walls with 8.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	40,59
15.225.1003	Building walls with 9-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	42,09
15.225.1004	Building walls with 10-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	44,78
15.225.1005	Building walls with 12.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	51,30

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.225.1006	Building walls with 13.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	53,95
15.225.1007	Building walls with 15-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	57,81
15.225.1008	Building walls with 17.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	64,31
15.225.1009	Building walls with 19-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	68,51
15.225.1010	Building walls with 20-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	71,51
15.225.1011	Building walls with 22.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	78,04
15.225.1012	Building walls with 25-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	84,56
15.225.1013	Building walls with 27.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	91,23
15.225.1014	Building walls with 30-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	97,91
15.225.1015	Building walls with 32.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	104,61
15.225.1016	Building walls with 35-cm thickness unreinforced AAC wall blocks (using AAC glue) (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	111,30
	<b>Building walls with unreinforced AAC wall blocks (with AAC glue) (3.50 N/mm<sup>2</sup> and 500 kg/m<sup>3</sup>)</b>		
15.225.1051	Building walls with 7.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	40,59
15.225.1052	Building walls with 8.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	43,38
15.225.1053	Building walls with 9-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	44,96
15.225.1054	Building walls with 10-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	47,76
15.225.1055	Building walls with 12.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	54,60
15.225.1056	Building walls with 13.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	57,40
15.225.1057	Building walls with 15-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	61,43

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<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.225.1058	Building walls with 17.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	68,28
15.225.1059	Building walls with 19-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	72,65
15.225.1060	Building walls with 20-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	75,79
15.225.1061	Building walls with 22.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	82,63
15.225.1062	Building walls with 25-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	89,46
15.225.1063	Building walls with 27.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	96,49
15.225.1064	Building walls with 30-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	103,49
15.225.1065	Building walls with 32.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	110,49
15.225.1066	Building walls with 35-cm thickness unreinforced AAC wall blocks (using AAC glue) (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	117,49
	<b>Building walls with unreinforced AAC wall blocks (with AAC glue) (5.00 N/mm<sup>2</sup> and 600 kg/m<sup>3</sup>)</b>		
15.225.1101	Building walls with 7.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	43,24
15.225.1102	Building walls with 8.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	46,18
15.225.1103	Building walls with 9-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	47,80
15.225.1104	Building walls with 10-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	50,75
15.225.1105	Building walls with 12.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	57,91
15.225.1106	Building walls with 13.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	60,83
15.225.1107	Building walls with 15-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	65,08
15.225.1108	Building walls with 17.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	72,23
15.225.1109	Building walls with 19-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	76,80

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.225.1110	Building walls with 20-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	80,06
15.225.1111	Building walls with 22.5-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	87,23
15.225.1112	Building walls with 25-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	94,40
15.225.1113	Building walls with 27.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	101,71
15.225.1114	Building walls with 30-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	109,04
15.225.1115	Building walls with 32.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	116,38
15.225.1116	Building walls with 35-cm thickness unreinforced AAC wall blocks (using AAC glue) (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	123,71
	<b>Building walls with unreinforced AAC wall blocks (with AAC glue) (≥ 2.00 N/mm<sup>2</sup> and 350 kg/m<sup>3</sup>)</b>		
15.225.1151	Building walls with 7.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm <sup>2</sup> and 350 kg/m <sup>3</sup> )	m <sup>2</sup>	37,90
15.225.1152	Building walls with 8.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm <sup>2</sup> and 350 kg/m <sup>3</sup> )	m <sup>2</sup>	40,59
15.225.1153	Building walls with 9-cm-thickness unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm <sup>2</sup> and 350 kg/m <sup>3</sup> )	m <sup>2</sup>	42,09
15.225.1154	Building walls with 10-cm-thickness unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm <sup>2</sup> and 350 kg/m <sup>3</sup> )	m <sup>2</sup>	44,78
15.225.1155	Building walls with 12.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm <sup>2</sup> and 350 kg/m <sup>3</sup> )	m <sup>2</sup>	51,30
15.225.1156	Building walls with 13.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm <sup>2</sup> and 350 kg/m <sup>3</sup> )	m <sup>2</sup>	53,95
15.225.1157	Building walls with 15-cm-thickness unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm <sup>2</sup> and 350 kg/m <sup>3</sup> )	m <sup>2</sup>	57,81
15.225.1158	Building walls with 17.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm <sup>2</sup> and 350 kg/m <sup>3</sup> )	m <sup>2</sup>	64,31
15.225.1159	Building walls with 19-cm-thickness unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm <sup>2</sup> and 350 kg/m <sup>3</sup> )	m <sup>2</sup>	68,51
15.225.1160	Building walls with 20-cm-thickness unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm <sup>2</sup> and 350 kg/m <sup>3</sup> )	m <sup>2</sup>	71,51
15.225.1161	Building walls with 22.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) (≥ 2.00 N/mm <sup>2</sup> and 350 kg/m <sup>3</sup> )	m <sup>2</sup>	78,04

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.225.1162	Building walls with 25-cm-thickness unreinforced AAC wall blocks (using AAC glue) ( $\geq 2.00 \text{ N/mm}^2$ and $350 \text{ kg/m}^3$ )	m <sup>2</sup>	84,56
15.225.1163	Building walls with 27.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) ( $\geq 2.00 \text{ N/mm}^2$ and $350 \text{ kg/m}^3$ )	m <sup>2</sup>	91,23
15.225.1164	Building walls with 30-cm-thickness unreinforced AAC wall blocks (using AAC glue) ( $\geq 2.00 \text{ N/mm}^2$ and $350 \text{ kg/m}^3$ )	m <sup>2</sup>	97,91
15.225.1165	Building walls with 32.5-cm-thickness unreinforced AAC wall blocks (using AAC glue) ( $\geq 2.00 \text{ N/mm}^2$ and $350 \text{ kg/m}^3$ )	m <sup>2</sup>	104,61
15.225.1166	Building walls with 35-cm-thickness unreinforced AAC wall blocks (using AAC glue) ( $\geq 2.00 \text{ N/mm}^2$ and $350 \text{ kg/m}^3$ )	m <sup>2</sup>	111,30
	<b>Hollow tile flooring with AAC hollow blocks (2.50 N/mm<sup>2</sup> and 400 kg/m<sup>3</sup>)</b>		
15.225.1301	Hollow tile flooring with 15-cm-high AAC hollow blocks (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	52,83
15.225.1302	Hollow tile flooring with 17.5-cm-high AAC hollow blocks (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	60,83
15.225.1303	Hollow tile flooring with 20-cm-high AAC hollow blocks (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	68,81
15.225.1304	Hollow tile flooring with 22.5-cm-high AAC hollow blocks (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	76,81
15.225.1305	Hollow tile flooring with 25-cm-high AAC hollow blocks (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	84,81
15.225.1306	Hollow tile flooring with 27.5-cm-high AAC hollow blocks (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	92,81
15.225.1307	Hollow tile flooring with 30-cm-high AAC hollow blocks (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	100,80
	<b>Supply and installation of reinforced AAC lintel (3.50 N/mm<sup>2</sup> and 500 kg/m<sup>3</sup>)</b>		
15.225.1401	Supply and installation of 7.5-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	58,68
15.225.1402	Supply and installation of 8.5-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	65,35
15.225.1403	Supply and installation of 9-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	68,96
15.225.1404	Supply and installation of 10-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	75,65
15.225.1405	Supply and installation of 12.5-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	92,14

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.225.1406	Supply and installation of 13.5-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	98,83
15.225.1407	Supply and installation of 15-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	109,11
15.225.1408	Supply and installation of 17.5-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	125,61
15.225.1409	Supply and installation of 19-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	135,90
15.225.1410	Supply and installation of 20-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	143,06
15.225.1411	Supply and installation of 22.5-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	159,56
15.225.1412	Supply and installation of 25-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	176,05
15.225.1413	Supply and installation of 27.5-cm-thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	192,79
15.225.1414	Supply and installation of 30-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	209,53
15.225.1415	Supply and installation of 32.5-cm-thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	226,26
15.225.1416	Supply and installation of 35-cm thickness reinforced AAC lintel (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	242,99
	<b>Supply and installation of reinforced AAC lintel (5.00 N/mm<sup>2</sup> and 600 kg/m<sup>3</sup>)</b>		
15.225.1451	Supply and installation of 7.5-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	63,03
15.225.1452	Supply and installation of 8.5-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	69,98
15.225.1453	Supply and installation of 9-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	73,69
15.225.1454	Supply and installation of 10-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	80,64
15.225.1455	Supply and installation of 12.5-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	97,79
15.225.1456	Supply and installation of 13.5-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	104,73
15.225.1457	Supply and installation of 15-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	115,40

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.225.1458	Supply and installation of 17.5-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	132,54
15.225.1459	Supply and installation of 19-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	143,20
15.225.1460	Supply and installation of 20-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	150,64
15.225.1461	Supply and installation of 22.5-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	167,78
15.225.1462	Supply and installation of 25-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	184,91
15.225.1463	Supply and installation of 27.5-cm-thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	202,30
15.225.1464	Supply and installation of 30-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	219,66
15.225.1465	Supply and installation of 32.5-cm-thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	237,05
15.225.1466	Supply and installation of 35-cm thickness reinforced AAC lintel (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	254,43
	<b>Making carrier flooring with reinforced AAC flooring elements and a crane ( 5.00 N/mm<sup>2</sup> and 600 kg/m<sup>3</sup>)</b>		
15.225.1601	Constructing load carrying floors by using 10-cm thickness reinforced AAC flooring elements, utilizing crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	83,00
15.225.1602	Constructing load carrying floors by using 12.5-cm thickness reinforced AAC flooring elements, utilizing crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	99,58
15.225.1603	Constructing load carrying floors by using 15-cm thickness reinforced AAC flooring elements, utilizing crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	116,18
15.225.1604	Constructing load carrying floors by using 17.5-cm thickness reinforced AAC flooring elements, utilizing crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	132,75
15.225.1605	Constructing load carrying floors by using 20-cm thickness reinforced AAC flooring elements, utilizing crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	149,34
15.225.1606	Constructing load carrying floors by using 22.5-cm thickness reinforced AAC flooring elements, utilizing crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	165,93
15.225.1607	Constructing load carrying floors by using 25-cm thickness reinforced AAC flooring elements, utilizing crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	182,50
15.225.1608	Constructing load carrying floors by using 27.5-cm thickness reinforced AAC flooring elements, utilizing crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	199,09
	<b>Building load carrying roofs with reinforced AAC roofing elements utilizing a crane (3.50 N/mm<sup>2</sup> and 500 kg/m<sup>3</sup>)</b>		

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.225.1701	Building a load carrying roof using 10-cm thickness reinforced AAC roof components and a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	72,68
15.225.1702	Building a load carrying roof using 12.5-cm thickness reinforced AAC roof components and a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	87,33
15.225.1703	Building a load carrying roof using 15-cm thickness reinforced AAC roof components and a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	101,98
15.225.1704	Building a load carrying roof using 17.5-cm thickness reinforced AAC roof components and a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	116,64
15.225.1705	Building a load carrying roof using 20-cm thickness reinforced AAC roof components and a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	131,29
	<b>Building load carrying roofs with reinforced AAC roofing elements using a crane (5.00 N/mm<sup>2</sup> and 600 kg/m<sup>3</sup>)</b>		
15.225.1801	Building a load carrying roof by using 10-cm thickness reinforced AAC roof components and a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	83,00
15.225.1802	Building a load carrying roof by using 12.5-cm thickness reinforced AAC roof components and a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	99,58
15.225.1803	Building a load carrying roof by using 15-cm thickness reinforced AAC roof components and a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	116,18
15.225.1804	Building a load carrying roof by using 17.5-cm thickness reinforced AAC roof components and a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	132,75
15.225.1805	Building a load carrying roof by using 20-cm thickness reinforced AAC roof components and a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	149,34
	<b>Building a wall with reinforced AAC wall elements by using a crane (3.50 N/mm<sup>2</sup> and 500 kg/m<sup>3</sup>)</b>		
15.225.1901	Building a wall with 10-cm thickness reinforced AAC wall elements by using using a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	82,91
15.225.1902	Building a wall with 12.5-cm thickness reinforced AAC wall elements by using a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	98,43
15.225.1903	Building a wall with 15-cm thickness reinforced AAC wall elements by using a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	113,98
15.225.1904	Building a wall with 17.5-cm thickness reinforced AAC wall elements by using a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	129,49
15.225.1905	Building a wall with 20-cm thickness reinforced AAC wall elements by using a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	145,01
15.225.1906	Building a wall with 22.5-cm thickness reinforced AAC wall elements by using a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	160,53
15.225.1907	Building a wall with 25-cm thickness reinforced AAC wall elements by using a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	176,06



**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.225.1908	Building a wall with 27.5-cm thickness reinforced AAC wall elements by using a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	191,59
15.225.1909	Building a wall with 30-cm thickness reinforced AAC wall elements by using a crane (3.50 N/mm <sup>2</sup> and 500 kg/m <sup>3</sup> )	m <sup>2</sup>	207,10
	<b>Building a wall with reinforced AAC wall elements by using a crane (5.00 N/mm<sup>2</sup> and 600 kg/m<sup>3</sup>)</b>		
15.225.2001	Building a wall with 10-cm thickness reinforced AAC wall elements by using a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	94,90
15.225.2002	Building a wall with 12.5-cm thickness reinforced AAC wall elements by using a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	112,80
15.225.2003	Building a wall with 15-cm thickness reinforced AAC wall elements by using a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	130,66
15.225.2004	Building a wall with 17.5-cm thickness reinforced AAC wall elements by using a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	148,58
15.225.2005	Building a wall with 20-cm thickness reinforced AAC wall elements by using a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	166,45
15.225.2006	Building a wall with 22.5-cm thickness reinforced AAC wall elements by using a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	184,35
15.225.2007	Building a wall with 25-cm thickness reinforced AAC wall elements by using a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	202,24
15.225.2008	Building a wall with 27.5-cm thickness reinforced AAC wall elements by using a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	220,13
15.225.2009	Building a wall with 30-cm thickness reinforced AAC wall elements by using a crane (5.00 N/mm <sup>2</sup> and 600 kg/m <sup>3</sup> )	m <sup>2</sup>	238,01
	<b>Thermal insulation of roofs and flooring with unreinforced AAC insulation panels (2.50 N/mm<sup>2</sup> and 400 kg/m<sup>3</sup>)</b>		
15.225.2101	Thermal insulation of roofs and flooring with 5-cm thickness unreinforced AAC insulation panels (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	16,75
15.225.2102	Thermal insulation of roofs and flooring with 7.5-cm thickness unreinforced AAC insulation panels (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	23,68
15.225.2103	Thermal insulation of roofs and flooring with 8.5-cm thickness unreinforced AAC insulation panels (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	27,31
15.225.2104	Thermal insulation of roofs and flooring with 10-cm thickness unreinforced AAC insulation panels ( 2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	32,05
15.225.2105	Thermal insulation of roofs and flooring with 12.5-cm thickness unreinforced AAC insulation panels (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	38,98
15.225.2106	Thermal insulation of roofs and flooring with 15-cm thickness unreinforced AAC insulation panels (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	45,90

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.225.2107	Thermal insulation of roofs and flooring with 17.5-cm thickness unreinforced AAC insulation panels (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	52,81
15.225.2108	Thermal insulation of roofs and flooring with 20-cm thickness unreinforced AAC insulation panels (2.50 N/mm <sup>2</sup> and 400 kg/m <sup>3</sup> )	m <sup>2</sup>	59,74
	<b>PUMICE CONCRETE WORKS</b>		
	<b>Building walls with non-load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm<sup>2</sup> and 600-900 kg/m<sup>3</sup>, excluding 900 kg/m<sup>3</sup>)</b>		
15.230.1001	Building walls with 9-cm thickness, non-load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm <sup>2</sup> and 600-900 kg/m <sup>3</sup> , excluding 900 kg/m <sup>3</sup> )	m <sup>2</sup>	30,30
15.230.1002	Building walls with 10-cm thickness, non-load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm <sup>2</sup> and 600-900 kg/m <sup>3</sup> , excluding 900 kg/m <sup>3</sup> )	m <sup>2</sup>	31,80
15.230.1003	Building walls with 13.5-cm thickness, non-load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm <sup>2</sup> and 600-900 kg/m <sup>3</sup> , excluding 900 kg/m <sup>3</sup> )	m <sup>2</sup>	36,41
15.230.1004	Building walls with 15-cm thickness, non-load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm <sup>2</sup> and 600-900 kg/m <sup>3</sup> , excluding 900 kg/m <sup>3</sup> )	m <sup>2</sup>	38,34
15.230.1005	Building walls with 17.5-cm thickness, non-load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm <sup>2</sup> and 600-900 kg/m <sup>3</sup> , excluding 900 kg/m <sup>3</sup> )	m <sup>2</sup>	41,86
15.230.1006	Building walls with 19-cm thickness, non-load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm <sup>2</sup> and 600-900 kg/m <sup>3</sup> , excluding 900 kg/m <sup>3</sup> )	m <sup>2</sup>	44,00
15.230.1007	Building walls with 25-cm thickness, non-load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm <sup>2</sup> and 600-900 kg/m <sup>3</sup> , excluding 900 kg/m <sup>3</sup> )	m <sup>2</sup>	53,14
15.230.1008	Building walls with 30-cm thickness, non-load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 1.50 N/mm <sup>2</sup> and 600-900 kg/m <sup>3</sup> , excluding 900 kg/m <sup>3</sup> )	m <sup>2</sup>	59,50
	<b>Building walls with load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 5 N/mm<sup>2</sup> and min. 900 kg/m<sup>3</sup>)</b>		
15.230.1101	Building walls with 10-cm thickness, load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 5 N/mm <sup>2</sup> and min. 900 kg/m <sup>3</sup> )	m <sup>2</sup>	36,74
15.230.1102	Building walls with 15-cm thickness, load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 5 N/mm <sup>2</sup> and min. 900 kg/m <sup>3</sup> )	m <sup>2</sup>	43,94
15.230.1103	Building walls with 19-cm thickness, load carrying pumice concrete slabs (using pumice concrete binding glue) (min. 5 N/mm <sup>2</sup> and min. 900 kg/m <sup>3</sup> )	m <sup>2</sup>	50,24
	<b>Hollow tile flooring with pumice concrete hollow blocks (min. 400 kg/m<sup>3</sup>)</b>		
15.230.1201	Hollow tile flooring with 20-cm-high pumice concrete hollow blocks (min. 400 kg/m <sup>3</sup> )	m <sup>2</sup>	40,34

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.230.1202	Hollow tile flooring with 22-cm-high pumice concrete hollow blocks (min. 400 kg/m <sup>3</sup> )	m <sup>2</sup>	43,85
15.230.1203	Hollow tile flooring with 23-cm-high pumice concrete hollow blocks (min. 400 kg/m <sup>3</sup> )	m <sup>2</sup>	45,60
15.230.1204	Hollow tile flooring with 25-cm-high pumice concrete hollow blocks (min. 400 kg/m <sup>3</sup> )	m <sup>2</sup>	49,38
15.230.1205	Hollow tile flooring with 28-cm-high pumice concrete hollow blocks (min. 400 kg/m <sup>3</sup> )	m <sup>2</sup>	54,64
15.230.1206	Hollow tile flooring with 30-cm-high pumice concrete hollow blocks (min. 400 kg/m <sup>3</sup> )	m <sup>2</sup>	58,28
15.230.1207	Hollow tile flooring with 32-cm-high pumice concrete hollow blocks (min. 400 kg/m <sup>3</sup> )	m <sup>2</sup>	62,28
15.230.1208	Hollow tile flooring with 35-cm-high pumice concrete hollow blocks (min. 400 kg/m <sup>3</sup> )	m <sup>2</sup>	67,19
	<b>Supply and installation of reinforced pumice concrete lintel</b>		
15.230.1301	Supply and installation of 10-cm thickness reinforced pumice concrete lintel	m <sup>2</sup>	53,69
15.230.1302	Supply and installation of 13.5-cm thickness reinforced pumice concrete lintel	m <sup>2</sup>	69,38
15.230.1303	Supply and installation of 15-cm thickness reinforced pumice concrete lintel	m <sup>2</sup>	76,81
15.230.1304	Supply and installation of 19-cm thickness reinforced pumice concrete lintel	m <sup>2</sup>	95,58
	<b>LIGHTWEIGHT SANDWICH MASONRY UNITS WITH AN INSULATION LAYER</b>		
15.235.1001	Building walls with lightweight sandwich masonry units with 14 cm total thickness, 5.5 cm EPS thickness, and 2.5 N/mm <sup>2</sup> compressive strength	m <sup>2</sup>	97,36
15.235.1002	Building walls with lightweight sandwich masonry units with 15 cm total thickness, 6 cm EPS thickness, and 0.9 N/mm <sup>2</sup> compressive strength	m <sup>2</sup>	60,49
15.235.1003	Building walls with lightweight sandwich masonry units with 19 cm total thickness, 6 cm EPS thickness, and 0.9 N/mm <sup>2</sup> compressive strength	m <sup>2</sup>	64,86
15.235.1004	Building walls with lightweight sandwich masonry units with 19.5 cm total thickness, 8.5 cm EPS thickness, and 2.5 N/mm <sup>2</sup> compressive strength	m <sup>2</sup>	110,31
15.235.1005	Building walls with lightweight sandwich masonry units with 20 cm total thickness, 6 cm EPS thickness, and 1 N/mm <sup>2</sup> compressive strength	m <sup>2</sup>	66,94
	<b>BRICK-LAYING WORKS BY USING CALCIUM SILICATE MASONRY UNITS</b>		
15.240.1001	Building 11.5-cm-thick walls with calcium silicate masonry units sized (37.5 x 11.5 x 19 cm) (application with glue)	m <sup>2</sup>	38,19
15.240.1002	Building 19-cm thickness walls with calcium silicate masonry units sized (37.5 x 19 x 19 cm) (application with glue)	m <sup>2</sup>	51,03
15.240.1003	Building 24-cm thickness walls with calcium silicate masonry units sized (37.5 x 24 x 19 cm) (application with glue)	m <sup>2</sup>	56,88
	<b>LAYING OF GEOTEXTILE FELT</b>		
15.245.1001	Laying of 150 g/m <sup>2</sup> of geotextile felt	m <sup>2</sup>	3,44
15.245.1002	Laying of 250 g/m <sup>2</sup> of geotextile felt	m <sup>2</sup>	4,13
15.245.1003	Laying of 500 g/m <sup>2</sup> of geotextile felt	m <sup>2</sup>	6,05
	<b>LEVELING WORKS</b>		
15.250.1001	Application of a leveling coat with 200 kg/m <sup>3</sup> cement content	m <sup>2</sup>	18,59

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>SCREED WORKS</b>	m <sup>2</sup>	
15.250.1101	Application of 2.5-cm thickness screed with 400 kg/m <sup>3</sup> cement content	m <sup>2</sup>	26,24
15.250.1102	Application of 2.5-cm thickness screed with 450 kg/m <sup>3</sup> cement content	m <sup>2</sup>	26,40
15.250.1103	Application of 2.5-cm thickness screed with 500 kg/m <sup>3</sup> cement content	m <sup>2</sup>	26,95
	<b>WATER INSULATION WITH POLYMER BITUMEN SHEETS</b>		
15.255.1001	Installation of duplex water insulation with polymer bitumen sheets with 3-mm thickness plastomer-based glass tissue carriers (bent at -5°C) and 3-mm thickness plastomer-based (bent at -5°C) polyester felt carriers	m <sup>2</sup>	36,60
15.255.1002	Installation of duplex water insulation with polymer bitumen sheets with 3-mm thickness plastomer-based glass tissue carriers (bent at -10°C) and 3-mm thickness plastomer-based (bent at -10°C) polyester felt carriers	m <sup>2</sup>	38,05
15.255.1003	Installation of duplex water insulation with polymer bitumen sheets with 3-mm thickness elastomer-based glass tissue carriers (bent at -20°C) and 3-mm thickness elastomer-based (bent at -20°C) polyester felt carriers	m <sup>2</sup>	42,28
15.255.1004	Installation of duplex water insulation with polymer bitumen sheets with 3-mm thickness plastomer-based (bent at -5°C) polyester felt carriers	m <sup>2</sup>	38,54
15.255.1005	Installation of duplex water insulation with polymer bitumen sheets with 3-mm thickness plastomer-based (bent at -10°C) polyester felt carriers	m <sup>2</sup>	40,14
15.255.1006	Installation of duplex water insulation with polymer bitumen sheets with 3-mm thickness elastomer-based (bent at -20°C) polyester felt carriers	m <sup>2</sup>	45,44
15.255.1007	Installation of duplex water insulation with polymer bitumen sheets with 3-mm and 4-mm thickness plastomer-based (bent at -5°C) polyester felt carriers	m <sup>2</sup>	40,91
15.255.1008	Installation of duplex water insulation with polymer bitumen sheets with 3-mm and 4-mm thickness plastomer-based (bent at -10°C) polyester felt carriers	m <sup>2</sup>	42,65
15.255.1009	Installation of duplex water insulation with polymer bitumen sheets with 4-mm thickness elastomer-based (bent at -20°C) polyester felt carriers	m <sup>2</sup>	48,18
15.255.1010	Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm thickness plastomer-based glass tissue carriers (bent at -5°C) and 3-mm thickness plastomer-based (bent at -5°C) polyester felt carriers	m <sup>2</sup>	38,98
15.255.1011	Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm thickness plastomer-based glass tissue carriers (bent at -10°C) and 3-mm thickness plastomer-based polyester felt carriers (bent at -10°C)	m <sup>2</sup>	40,56
15.255.1012	Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm thickness elastomer-based glass tissue carriers (bent at -20°C) and 3-mm thickness elastomer-based polyester felt carriers (bent at -20°C)	m <sup>2</sup>	44,65
15.255.1013	Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm thickness plastomer-based polyester felt carriers (bent at -5°C) and 3-mm thickness plastomer-based (bent at -5°C) polyester felt carriers	m <sup>2</sup>	40,91

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.255.1014	Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm thickness plastomer-based polyester felt carriers (bent at -10°C) and 3-mm thickness plastomer-based (bent at -10°C) polyester felt carriers	m <sup>2</sup>	42,65
15.255.1015	Installation of duplex water insulation with polymer bitumen sheets mineral-coated on one side, with 3.3-mm thickness elastomer-based polyester felt carriers (bent at -20°C) and 3-mm thickness elastomer-based (bent at -20°C) polyester felt carriers	m <sup>2</sup>	47,81
15.255.1016	Installation of single-layer water insulation with polymer bitumen sheets mineral-coated on one side, and with 4.3-mm thickness plastomer-based polyester felt carriers (bent at -5°C)	m <sup>2</sup>	25,55
15.255.1017	Installation of single-layer water insulation with polymer bitumen sheets mineral-coated on one side, and with 4.3-mm thickness plastomer-based polyester felt carriers (bent at -10°C)	m <sup>2</sup>	26,55
15.255.1018	Installation of single-layer water insulation with polymer bitumen sheets mineral-coated on one side, and with 4.3-mm thickness elastomer-based polyester felt carriers (bent at -20°C)	m <sup>2</sup>	29,58
15.255.1019	Installation of single-layer water insulation with polymer bitumen sheets metal foil-coated on one side, and with 3-mm thickness plastomer-based polyester felt carriers (bent at -10°C)	m <sup>2</sup>	26,55
15.255.1020	Installation of single-layer water insulation with polymer bitumen sheets metal foil-coated on one side, and with 3-mm thickness elastomer-based polyester felt carriers (bent at -20°C)	m <sup>2</sup>	31,65
15.255.1021	Installation of single-layer insulation with polymer bitumen sheets with 3-mm thickness plastomer-based glass tissue carriers (bent at -5°C)	m <sup>2</sup>	19,08
15.255.1022	Installation of single-layer insulation with polymer bitumen sheets with 3-mm thickness plastomer-based polyester felt carriers (bent at -5°C)	m <sup>2</sup>	21,01
15.255.1023	Installation of single-layer insulation with polymer bitumen sheets with 3-mm thickness plastomer-based glass tissue carriers (bent at -10°C)	m <sup>2</sup>	19,73
15.255.1024	Installation of single-layer insulation with polymer bitumen sheets with 3-mm thickness plastomer-based polyester felt carriers (bent at -10°C)	m <sup>2</sup>	21,81
15.255.1025	Installation of single-layer insulation with polymer bitumen sheets with 3-mm thickness elastomer-based glass tissue carriers (bent at -20°C)	m <sup>2</sup>	21,30
15.255.1026	Installation of single-layer insulation with polymer bitumen sheets with 3-mm thickness elastomer-based polyester felt carriers (bent at -20°C)	m <sup>2</sup>	24,46
	<b>WATER INSULATION WITH GEOMEMBRANES FOR CONSTRUCTION OF BUILDINGS</b>		
15.260.1001	Water insulation with 1.5-mm thickness PVC-based geomembrane (plain or with signal layer)	m <sup>2</sup>	29,04
15.260.1002	Water insulation with 2-mm thickness PVC-based geomembrane (plain or with signal layer)	m <sup>2</sup>	35,08
15.260.1003	Water insulation with 1.5-mm thickness PVC-based geomembrane (UV-resistant, reinforced)	m <sup>2</sup>	30,75
15.260.1004	Water insulation with 2-mm thickness PVC-based geomembrane (UV-resistant, reinforced)	m <sup>2</sup>	37,44
15.260.1005	Water insulation with 1.5-mm thickness HDPE-based geomembrane (plain or with signal layer)	m <sup>2</sup>	25,50
15.260.1006	Water insulation with 2-mm thickness HDPE-based geomembrane (plain or with signal layer)	m <sup>2</sup>	30,35

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.260.1007	Water insulation with 1.5-mm thickness HDPE-based geomembrane (UV-resistant, reinforced)	m <sup>2</sup>	27,40
15.260.1008	Water insulation with 2-mm thickness HDPE-based geomembrane (UV-resistant, reinforced)	m <sup>2</sup>	32,91
15.260.1009	Water insulation with 1.5-mm thickness LDPE-based geomembrane (plain or with signal layer)	m <sup>2</sup>	25,50
15.260.1010	Water insulation with 2-mm thickness LDPE-based geomembrane (plain or with signal layer)	m <sup>2</sup>	30,35
15.260.1011	Water insulation with 1.5-mm thickness EPDM-based geomembrane (plain or with signal layer)	m <sup>2</sup>	49,39
15.260.1012	Water insulation with 2-mm thickness EPDM-based geomembrane (plain or with signal layer)	m <sup>2</sup>	62,64
15.260.1013	Water insulation with 1.5-mm thickness TPO-based geomembrane (UV-resistant, reinforced)	m <sup>2</sup>	37,11
15.260.1014	Water insulation with 2-mm thickness TPO-based geomembrane (UV-resistant, reinforced)	m <sup>2</sup>	45,78
	<b>WATER INSULATION WITH HDPE and PP BOARDS</b>		
15.265.1001	Water insulation with 3-mm thickness HDPE boards	m <sup>2</sup>	50,43
15.265.1002	Water insulation with 4-mm thickness HDPE boards	m <sup>2</sup>	63,70
15.265.1003	Water insulation with 5-mm thickness HDPE boards	m <sup>2</sup>	76,99
15.265.1004	Water insulation with 3-mm thickness PP boards	m <sup>2</sup>	47,78
15.265.1005	Water insulation with 4-mm thickness PP boards	m <sup>2</sup>	61,05
15.265.1006	Water insulation with 5-mm thickness PP boards	m <sup>2</sup>	74,33
	<b>WATER INSULATION WITH SPRAYABLE MATERIALS</b>		
15.270.1001	Water insulation in two layers with 1 mm total thickness, using elastomeric resin-based liquid plastic coating material	m <sup>2</sup>	36,25
15.270.1002	Water insulation in two mesh-reinforced layers with 1 mm total thickness, using elastomeric resin-based liquid plastic coating material	m <sup>2</sup>	38,96
15.270.1003	Water insulation in three layers with 1.5 mm total thickness, using elastomeric resin-based liquid plastic coating material	m <sup>2</sup>	47,65
15.270.1004	Water insulation in mesh-reinforced three layers with 1.5 mm total thickness, using elastomeric resin-based liquid plastic coating material	m <sup>2</sup>	50,36
15.270.1005	Two layers of 1.5-mm thickness water insulation with cement-based, polymer-modified, two-component, ready-to-use insulation mortar	m <sup>2</sup>	31,56
15.270.1006	Two layers of 1.5-mm thickness water insulation with cement-based, polymer-modified, two-component, ready-to-use insulation mortar and mesh reinforcement	m <sup>2</sup>	34,28
15.270.1007	Water insulation in 3 layers with a total thickness of 2 mm with cement-based, polymer-modified, two-component, ready-to-use insulation mortar	m <sup>2</sup>	38,49
15.270.1008	Water insulation in three layers with a total thickness of 2 mm with cement-based, polymer-modified, two-component, ready-to-use insulation mortar and mesh reinforcement	m <sup>2</sup>	41,20
15.270.1009	Water insulation in 2 layers with a total thickness of 1.5 mm with cement-based, one-component, crystallized water insulation mortar	m <sup>2</sup>	28,20
15.270.1010	Water insulation in 2 layers with a total thickness of 1.5 mm with cement-based, one-component, crystallized water insulation mortar and mesh reinforcement	m <sup>2</sup>	30,91
15.270.1011	Water insulation in 3 layers with a total thickness of 2 mm with cement-based, one-component, crystallized water insulation mortar	m <sup>2</sup>	34,00

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.270.1012	Water insulation in 3 layers with a total thickness of 2 mm with cement-based, one-component, crystallized water insulation mortar and mesh reinforcement	m <sup>2</sup>	36,71
15.270.1101	Making 2-mm-thickness water insulation using hybrid Polyurea-based, two-component water insulation agent	m <sup>2</sup>	105,44
15.270.1111	Making 2-mm-thickness water insulation using 100% Pure Polyurea-based, two-component water insulation agent	m <sup>2</sup>	193,44
	<b>JOINTING AND POINTING</b>		
15.275.1001	Making flush grooved joints on stone wall surfaces	m <sup>2</sup>	14,90
15.275.1002	Making relief joints on stone wall surfaces	m <sup>2</sup>	16,29
	<b>PLASTERING</b>		
15.275.1101	Plastering with rough and fine mortar with 250/350 kg/m <sup>3</sup> cement content (exterior plaster)	m <sup>2</sup>	40,20
15.275.1102	Plastering with rough and fine mortar with 200/250 kg lime/cement mixture content (interior plaster)	m <sup>2</sup>	36,23
15.275.1103	Plastering with rough and fine mortar with 250/350 kg lime/cement mixture content (ceiling plaster)	m <sup>2</sup>	37,49
15.275.1104	Rough plastering with rough and fine mortar with 250/350 kg/m <sup>3</sup> cement content	m <sup>2</sup>	28,96
15.275.1105	Applying single layer rough plaster with 350 kg/m <sup>3</sup> cement content	m <sup>2</sup>	26,44
	<b>FILLING OF THE BACK OF METAL DOOR FRAME</b>		
15.275.9991	Filling the back of metal door frames with concrete grout	m <sup>2</sup>	33,98
	<b>GYPSUM PLASTER AND LINING WORKS</b>		
15.280.1001	Gypsum plaster over rough lime plaster (with slaked lime bag)	m <sup>2</sup>	28,06
15.280.1002	Perlite plaster and satin plaster lining of such surfaces as concrete, brick walls, etc.	m <sup>2</sup>	51,20
15.280.1003	Applying 5-mm thickness repair plaster made by a mixture of satin plaster and perlite plaster groups (For rough plaster, exposed concrete surfaces, perlite plaster and similar other surfaces)	m <sup>2</sup>	36,01
15.280.1004	Gypsum priming (polishing) (for repair works)	m <sup>2</sup>	5,66
15.280.1005	5-mm thickness satin gypsum coating of rough plaster surfaces, etc.	m <sup>2</sup>	13,94
15.280.1006	3-mm thickness satin gypsum coating of fine plaster, gypsum plaster surfaces, etc.	m <sup>2</sup>	11,16
15.280.1007	15-mm thickness, single layer plastering of ceilings with machine-applied ready-mix plaster	m <sup>2</sup>	22,19
15.280.1008	20-mm thickness, single layer plastering of walls with machine-applied ready-mix plaster (on concrete, brick and similar other surfaces)	m <sup>2</sup>	25,45
	<b>APPLICATION OF INSULATION PLASTER</b>		
15.285.1001	Application of 2-cm thickness plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSI)	m <sup>2</sup>	49,14
15.285.1002	Application of 3-cm thickness plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSI)	m <sup>2</sup>	68,34
15.285.1003	Application of 4-cm thickness plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSI)	m <sup>2</sup>	87,54
15.285.1011	Application of 2-cm thickness plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSII)	m <sup>2</sup>	50,79
15.285.1012	Application of 3-cm thickness plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSII)	m <sup>2</sup>	70,81
15.285.1013	Application of 4-cm thickness plaster on interior or exterior surfaces with ready-mix (factory-made) rough/fine plaster (TI, WI, CSII)	m <sup>2</sup>	90,84

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>WOODEN ROOF</b>		
15.300.1001	Building wooden free-standing roof (wood paneling under the roofing)	m <sup>2</sup>	112,56
15.300.1002	Building wooden free-standing roof (OSB/3 paneling under the roofing)	m <sup>2</sup>	112,35
15.300.1003	Building wooden truss roof	m <sup>3</sup>	2.338,11
15.300.1004	Building truss roof made of planed wood	m <sup>3</sup>	2.420,75
15.300.1005	Wood paneling on the roof	m <sup>2</sup>	50,20
15.300.1006	OSB/3 paneling on the roof	m <sup>2</sup>	43,05
15.300.1007	Planed wood paneling of eaves and pediments	m <sup>2</sup>	83,96
	<b>CLAY TILE ROOFING WORKS</b>		
15.305.1001	Roofing with top and bottom bricks (pantile) (Tightness Class: Group 1) (Resistant to 150 freezing - thawing cycles) (3-lath system)	m <sup>2</sup>	117,70
15.305.1002	Roofing with top and bottom bricks (pantile) (Tightness Class: Group 1) (Resistant to 90 freezing - thawing cycles) (3-lath system)	m <sup>2</sup>	112,45
15.305.1003	Roofing with tiles with interlocking side and top edges (Tightness Class: Group 1) (Resistant to 150 freezing - thawing cycles) (2-lath system)	m <sup>2</sup>	71,25
15.305.1004	Roofing with tiles with interlocking side and top edges (Tightness Class: Group 1) (Resistant to 90 freezing - thawing cycles) (2-lath system)	m <sup>2</sup>	68,63
15.305.1005	Building ridges using ridge tiles (Tightness Class: Group 1) (Resistant to 150 freezing - thawing cycles)	m	59,13
15.305.1006	Building ridges using ridge tiles (Tightness Class: Group 1) (Resistant to 90 freezing - thawing cycles)	m	56,50
	<b>ROOFING WITH CONCRETE / PERLITE CONCRETE TILES</b>		
15.305.1201	Roofing with colorless concrete tiles (2-lath system)	m <sup>2</sup>	69,94
15.305.1202	Roofing with concrete tiles painted in iron oxide (2-lath system)	m <sup>2</sup>	75,45
15.305.1203	Roofing with concrete tiles with color glazing, and painted in iron oxide and (2-lath system)	m <sup>2</sup>	81,10
15.305.1204	Building ridges with colorless concrete ridge tiles	m	64,51
15.305.1205	Building ridges with concrete ridge tiles painted in iron oxide	m	68,98
15.305.1206	Building ridges with concrete ridge tiles painted in iron oxide and with colored glazing	m	73,70
15.305.1207	Roofing with colorless perlite concrete tiles (2-lath system)	m <sup>2</sup>	65,35
15.305.1208	Roofing with perlite concrete tiles painted in iron oxide (2-lath system)	m <sup>2</sup>	69,94
15.305.1209	Roofing with perlite concrete tiles with color glazing, and painted in iron oxide and (2-lath system)	m <sup>2</sup>	75,19
15.305.1210	Building ridges with colorless perlite concrete ridge tiles	m	62,54
15.305.1211	Building ridges with perlite concrete ridge tiles painted in iron oxide	m	64,90
15.305.1212	Building ridges with concrete ridge tiles painted in iron oxide and with colored glazing	m	71,46



**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.305.1213	Water insulation of walls, chimney bottoms, etc. using self-adhesive, aluminum-reinforced, UV-resistant chimney bottom tapes coated with polybutylene/vulcanized thermoplastic (TPV) (Total width: 25 to 40 cm)	m	60,44
15.305.1214	Sealing of insulation finishes with an aluminum pressure bar and polyurethane mastic	m	23,33
15.305.1215	Making roof valleys with PVC-based, self-channeled, UV-resistant, vane-type groove/inclined gutter water insulation (min. 50 cm wide)	m	50,05
	<b>TIN WORKS</b>		
	<b>Production and installation of vertical rainwater downpipes:</b>		
15.310.1001	Production and installation of vertical rainwater downpipes 150 mm in diameter, made of no. 12 zinc sheets.	m	80,66
15.310.1002	Production and installation of vertical rainwater downpipes 120 mm in diameter, made of no. 12 zinc sheets.	m	70,46
15.310.1003	Production and installation of vertical rainwater downpipes 100 mm in diameter, made of no. 12 zinc sheets.	m	63,68
15.310.1004	Production and installation of vertical rainwater downpipes 100 mm in diameter, made of no. 10 zinc sheets.	m	56,28
15.310.1005	Production and installation of vertical rainwater downpipes 80 mm in diameter, made of no. 10 zinc sheets.	m	52,31
15.310.1006	Production and installation of vertical rainwater downpipes 80 mm in diameter, made of no. 12 zinc sheets.	m	58,64
15.310.1007	Production and installation of vertical rainwater downpipes 75 mm in diameter, made of no. 10 zinc sheets.	m	49,69
15.310.1008	Production and installation of vertical rainwater downpipes 70 mm in diameter, made of no. 10 zinc sheets.	m	46,00
	<b>Production and installation of rain gutters</b>		
15.310.1101	Production and installation of rain gutters 240 mm in diameter, made of no. 14 zinc sheets.	m	162,95
15.310.1102	Production and installation of rain gutters 185 mm in diameter, made of no. 12 zinc sheets.	m	127,96
15.310.1103	Production and installation of rain gutters 155 mm in diameter, made of no. 12 zinc sheets.	m	116,64
15.310.1104	Production and installation of rain gutters 130 mm in diameter, made of no. 12 zinc sheets.	m	105,43
15.310.1105	Production and installation of rain gutters 110 mm in diameter, made of no. 12 zinc sheets.	m	99,05
15.310.1106	Production and installation of rain gutters 90 mm in diameter, made of no. 12 zinc sheets.	m	90,60
	<b>Other tin works</b>		
15.310.1201	Production and installation of inclined roof valleys made of zinc no. 14	m	106,78
15.310.1202	Production and installation of horizontal roof valleys in the form of gutter, made of zinc no. 14	m	201,60
15.310.1203	Production and installation of rainwater hoppers sized 30 x 40 x 30 cm made of no. 12 zinc sheet	Qty	190,80
15.310.1204	Production and installation of roof valleys made of zinc no. 14 for the back of the attic wall	m	221,24
15.310.1205	Production and installation of flashing sheets, chimney edges, roof examination windows and roof lantern bases, made of no. 12 zinc sheet	m	78,54
15.310.1206	Production and installation of roof valleys made of no. 12 zinc sheet on the top and sides of the attic walls	m <sup>2</sup>	152,33

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.310.1207	Production and installation of window sills made of no. 12 zinc sheet	m	70,66
15.310.1208	Production and installation of chimney cleaning boxes made of no. 12 zinc sheet	Qty	41,88
15.310.1209	Production and installation of stove flue inlet and cap made of no. 12 zinc sheet	Qty	29,86
	<b>Production of copper pipes, gutters, etc.</b>		
15.310.1301	Production and installation of vertical rainwater downpipes 125 mm in diameter, made of 0.50-mm copper sheets.	m	123,55
15.310.1302	Production and installation of rain gutters (with round or angular section) that are 155 mm in diameter and made of 0.50-mm copper sheet	m	191,58
15.310.1303	Production and installation of roof valleys made of 0.50-mm copper sheet	m	200,08
15.310.1304	Production and installation of roof valleys in the form of gutter made of 0.50-mm copper sheet	m	345,86
15.310.1305	Production and installation of rain water hoppers sized 30 x 40 x 30 cm made of 0.50-mm copper sheet	Qty	292,39
15.310.1306	Production and installation of roof valleys made of 0.50-mm copper sheet on the back of the attic wall	m	364,99
15.310.1307	Production and installation of flashing sheets, chimney edges, roof examination windows and roof lantern bases made of 0.50-mm copper sheet	m	140,06
15.310.1308	Production and installation of roof valleys made of 0.50-mm copper sheet on the top and sides of the attic walls	m <sup>2</sup>	291,69
15.310.1309	Production and installation of window sills made of 0.50-mm copper sheet	m	123,09
	<b>PVC Rainwater Downpipe, Gutter, etc.</b>		
15.315.1001	Supply and installation of hard PVC rainwater downpipes Ø70 mm in diameter and with a bellmouth at one end	m	15,48
15.315.1002	Supply and installation of hard PVC rainwater downpipes Ø100 mm in diameter and with a bellmouth at one end	m	22,46
15.315.1003	Supply and installation of hard PVC rainwater downpipes Ø125 mm in diameter and with a bellmouth at one end	m	25,75
15.315.1004	Supply and installation of hard PVC rain gutters Ø100 mm in diameter	m	28,44
15.315.1005	Supply and installation of hard PVC rain gutters Ø150 mm in diameter	m	35,88
	<b>Jointless Rain Gutter</b>		
15.315.1101	Production and installation of 0.50-mm thickness, hot-dip galvanized and coated sheet metal jointless pipes (Total sheet metal width: 30 cm)	m	24,25
	<b>INSULATED ROOF AND WALL PANEL WORKS</b>		
15.320.1001	Roofing with 50-mm polyurethane-insulated roof panels (0.50-mm thickness, coated, galvanized sheet metal top, and 0.40-mm thickness, coated, galvanized sheet metal bottom) on the current wooden, reinforced concrete or steel purlins.	m <sup>2</sup>	122,70
15.320.1002	Roofing with 50-mm polyurethane-insulated roof panels (1.20-mm thickness, PVC membrane top, and 0.60-mm thickness, coated, galvanized sheet metal bottom) on the current wooden, reinforced concrete or steel purlins.	m <sup>2</sup>	174,60
15.320.1003	Roofing with 50-mm polyurethane-insulated roof panels (1.20-mm thickness, TPO membrane top, and 0.60-mm thickness, coated, galvanized sheet metal bottom) on the current wooden, reinforced concrete or steel purlins.	m <sup>2</sup>	180,60

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.320.1004	Roofing with 50-mm polyisocyanurate-insulated roof panels (0.50-mm thickness, coated, galvanized sheet metal top, and 0.40-mm thickness, coated, galvanized sheet metal bottom) on the current wooden, reinforced concrete or steel purlins.	m <sup>2</sup>	131,70
15.320.1005	Roofing with 50-mm polyisocyanurate-insulated roof panels (1.20-mm thickness, PVC membrane top, and 0.60-mm thickness, coated, galvanized sheet metal bottom) on the current wooden, reinforced concrete or steel purlins.	m <sup>2</sup>	188,10
15.320.1006	Roofing with 50-mm polyisocyanurate-insulated roof panels (1.20-mm thickness, TPO membrane top, and 0.60-mm thickness, coated, galvanized sheet metal bottom) on the current wooden, reinforced concrete or steel purlins.	m <sup>2</sup>	192,60
15.320.1007	Roofing with 60-mm polystyrene-insulated roof panels (0.70-mm thickness top, and 0.50-mm thickness bottom made of natural, embossed aluminum) on the current wooden, reinforced concrete or steel purlins.	m <sup>2</sup>	154,20
15.320.1008	Roofing with 60-mm polystyrene-insulated roof panels (0.50-mm thickness, coated, galvanized sheet metal top, and 0.40-mm thickness, coated, galvanized sheet metal bottom) on the current wooden, reinforced concrete or steel purlins.	m <sup>2</sup>	127,20
15.320.1009	Roofing with 60-mm polystyrene-insulated roof panels (0.50-mm thickness coated, galvanized sheet metal top, and 0.40-mm thickness natural, embossed aluminum bottom) on the current wooden, reinforced concrete or steel purlins.	m <sup>2</sup>	137,70
15.320.1010	Roofing with 60-mm rock wool-insulated roof panels (0.50-mm thickness coated, galvanized sheet metal top, and 0.50-mm thickness coated, galvanized sheet metal bottom) on the current steel purlins.	m <sup>2</sup>	157,35
15.320.1011	Roofing with 60-mm rock wool-insulated roof panels (1.20-mm thickness, PVC membrane top, and 0.60-mm thickness, coated, galvanized sheet metal bottom) on the current steel purlins.	m <sup>2</sup>	207,24
15.320.1012	Roofing with 60-mm rock wool-insulated roof panels (1.20-mm thickness, TPO membrane top, and 0.60-mm thickness, coated, galvanized sheet metal bottom) on the current steel purlins.	m <sup>2</sup>	211,74
15.320.1013	Roofing with 60-mm rock wool-insulated roof panels (1.50-mm thickness, TPO membrane top, and 0.60-mm thickness, coated, galvanized sheet metal bottom) on the current steel purlins.	m <sup>2</sup>	214,74
15.320.1014	Roofing with 50-mm rock wool + 25-mm polyurethane-insulated roof panels (1.20-mm thickness, PVC membrane top, and 0.60-mm thickness, coated, galvanized sheet metal bottom) on the current steel purlins.	m <sup>2</sup>	223,74
15.320.1015	Roofing with 50-mm rock wool + 25-mm polyurethane-insulated roof panels (1.20-mm thickness, TPO membrane top, and 0.60-mm thickness, coated, galvanized sheet metal bottom) on the current steel purlins.	m <sup>2</sup>	228,24
	<b>ZINC, COPPER, ALUMINUM AND SHEET METAL ROOFING</b>		
15.325.1001	Roofing with 0.50-mm thickness no. 10 zinc on wooden roof frame	m <sup>2</sup>	168,36
15.325.1002	Roofing with 0.50-mm thickness copper plate on wooden roof frame	m <sup>2</sup>	346,46
15.325.1003	Roofing with 0.66-mm copper plate on wooden roof frame	m <sup>2</sup>	432,53
15.325.1004	0.70-mm roofing of flat aluminum sheet (EN AW 3003 Al-Mn1 Cu) on wooden roof frame	m <sup>2</sup>	137,79

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.325.1005	Roofing with 0.70-mm thickness trapezoidal aluminum sheets (EN AW 3003 Al-Mn1 Cu) on the current wooden, reinforced concrete or steel purlins.	m <sup>2</sup>	83,33
15.325.1006	Roofing with 0.70-mm thickness trapezoidal aluminum sheets (EN AW 1050A, Al 99.5) on the current wooden, reinforced concrete or steel purlins.	m <sup>2</sup>	81,11
15.325.1007	Installing roof cover with 0.70-mm thickness trapezoidal aluminum sheets (EN AW 3003 Al-Mn1 Cu) on the existing reinforced concrete, precast, ready-mix concrete slabs or wooden roofing with sided wood.	m <sup>2</sup>	96,96
15.325.1008	Roofing with 0.50-mm thickness hot-dip galvanized flat sheet metal on wooden roof.	m <sup>2</sup>	92,05
15.325.1009	Roofing with 0.50-mm thickness hot-dip galvanized grooved/trapezoidal sheet metal on wooden roof.	m <sup>2</sup>	49,33
	<b>OTHER ROOFING WORKS</b>		
15.325.1101	Roofing with grooved roofing covers made of fiber-reinforced cement on wooden roof	m <sup>2</sup>	43,00
15.325.1102	Roofing with grooved bitumen panels in any color over wooden roof (CATEGORY R ≥ 1400 N/M <sup>2</sup> ) (Fire class: BROOF)	m <sup>2</sup>	39,98
15.325.1103	Roofing with 0.50-mm thickness, hot-dip galvanized, grooved/trapezoidal sheet metal on the existing roof made of reinforced concrete or reinforced premix (with lightweight or regular aggregate) concrete slabs.	m <sup>2</sup>	51,39
15.325.1104	Roofing with fiber-reinforced, grooved cement slabs on the existing roof made of reinforced concrete or reinforced premix (with lightweight or regular aggregate) concrete slabs.	m <sup>2</sup>	47,49
15.325.1105	Roofing with grooved bitumen panels in any color on the existing roof made of reinforced concrete or reinforced premix (with lightweight or regular aggregate) concrete slabs (Category: R ≥ 1400 N/m <sup>2</sup> ) (Fire Class: BROOF).	m <sup>2</sup>	46,63
15.325.1106	Roofing with grooved bitumen panels in any color on steel or precast reinforced concrete beams (CATEGORY: R≥ 1400N/M <sup>2</sup> ) (Fire Class: BROOF)	m <sup>2</sup>	44,98
15.325.1107	Roofing with lead sheet on reinforced concrete roof.	Kg	19,16
15.325.1108	Roofing with 0.50-mm thickness, hot-dip galvanized, flat sheet metal on the existing roof made of reinforced ready-mix concrete slabs.	m <sup>2</sup>	60,78
15.325.1109	Roofing with 0.50-mm thickness hot-dip galvanized grooved/trapezoidal sheet metal on steel or precast reinforced concrete beams.	m <sup>2</sup>	46,98
15.325.1110	Roofing with grooved fiber-reinforced cement slabs on steel or precast reinforced concrete beams	m <sup>2</sup>	43,08
	<b>WATER INSULATION UNDER ROOFING.</b>		
15.330.1001	Water insulation with minimum 1-mm thickness, non-laminated polymer bitumen cover with glass tissue carriers, coated with polyethylene film on both surfaces, for use under the roofing materials on pitched roofs	m <sup>2</sup>	16,55
15.330.1002	Water insulation with minimum 0.60-mm thickness, non-laminated polymer bitumen cover with polyester felt carriers, coated with polyethylene film on both surfaces, for use under the roofing materials on pitched roofs	m <sup>2</sup>	18,20
15.330.1003	Water insulation with vapor-permeable water insulation cover under the roofing for pitched roofs	m <sup>2</sup>	14,63
15.330.1004	Water insulation with a 3-mm thickness polymer bitumen cover (Bent at -10°C) with plastomer-based glass tissue carriers under the roofing for pitched roofs.	m <sup>2</sup>	22,45

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.330.1005	Water insulation with a 3-mm thickness polymer bitumen cover (Bent at -10°C) with plastomer-based polyester felt carriers under the roofing for pitched roofs.	m <sup>2</sup>	24,44
15.330.1006	Water insulation with a 3-mm thickness polymer bitumen cover (Bent at -20°C) with elastomer-based glass tissue carriers under the roofing for pitched roofs.	m <sup>2</sup>	23,96
15.330.1007	Water insulation with a 3-mm thickness polymer bitumen cover (Bent at -20°C) with elastomer-based polyester felt carriers under the roofing for pitched roofs.	m <sup>2</sup>	26,99
15.330.1008	Water insulation with a 3-mm thickness polymer bitumen cover (Bent at -5°C) with plastomer-based glass tissue carriers under the roofing for pitched roofs.	m <sup>2</sup>	21,83
15.330.1009	Water insulation with a 3-mm thickness polymer bitumen cover (Bent at -5°C) with plastomer-based polyester felt carriers under the roofing for pitched roofs.	m <sup>2</sup>	23,69
15.330.1010	Water insulation with organic-fiber, bitumen-impregnated under-tile water insulation panels under the roofing for pitched roofs (over the existing veneer)	m <sup>2</sup>	31,41
15.330.1011	Water insulation with organic-fiber, bitumen-impregnated under-tile water insulation panels under the roofing for pitched roofs (for reinforced concrete roofs)	m <sup>2</sup>	38,81
	<b>THERMAL INSULATION WITH XPS AND EPS FOAM MATERIALS</b>		
	<b>XPS Jacketing</b>		
15.335.1001	Thermal insulation of exterior walls with 3-cm thickness, extruded polystyrene (CPS - 200 kPa compressive strength) panels with rough or smooth canals on its surface and coated with thermal insulation plaster (jacketing)	m <sup>2</sup>	62,36
15.335.1002	Thermal insulation of exterior walls with 4-cm thickness, extruded polystyrene (CPS - 200 kPa compressive strength) panels with rough or smooth canals on its surface and coated with thermal insulation plaster (jacketing)	m <sup>2</sup>	66,30
15.335.1003	Thermal insulation of exterior walls with 5-cm thickness, extruded polystyrene (CPS - 200 kPa compressive strength) panels with rough or smooth canals on its surface and coated with thermal insulation plaster (jacketing)	m <sup>2</sup>	70,24
15.335.1004	Thermal insulation of exterior walls with 6-cm thickness, extruded polystyrene (CPS - 200 kPa compressive strength) panels with rough or smooth canals on its surface and coated with thermal insulation plaster (jacketing)	m <sup>2</sup>	74,18
15.335.1005	Thermal insulation of exterior walls with 7-cm thickness, extruded polystyrene (CPS - 200 kPa compressive strength) panels with rough or smooth canals on its surface and coated with thermal insulation plaster (jacketing)	m <sup>2</sup>	78,11
15.335.1006	Thermal insulation of exterior walls with 8-cm thickness, extruded polystyrene (CPS - 200 kPa compressive strength) panels with rough or smooth canals on its surface and coated with thermal insulation plaster (jacketing)	m <sup>2</sup>	82,05
	<b>EPS Sheathing</b>		
15.335.1101	Thermal insulation of exterior walls with 3-cm thickness, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	57,05
15.335.1102	Thermal insulation of exterior walls with 4-cm thickness, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	59,21
15.335.1103	Thermal insulation of exterior walls with 5-cm thickness, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	61,38

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.335.1104	Thermal insulation of exterior walls with 6-cm thickness, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	63,55
15.335.1105	Thermal insulation of exterior walls with 7-cm thickness, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	65,71
15.335.1106	Thermal insulation of exterior walls with 8-cm thickness, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	67,88
	<b>Carbon EPS Sheathing</b>		
15.335.1201	Thermal insulation of exterior walls with 3-cm thickness, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	58,04
15.335.1202	Thermal insulation of exterior walls with 4-cm thickness, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	60,53
15.335.1203	Thermal insulation of exterior walls with 5-cm thickness, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	63,03
15.335.1204	Thermal insulation of exterior walls with 6-cm thickness, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	65,51
15.335.1205	Thermal insulation of exterior walls with 7-cm thickness, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	68,01
15.335.1206	Thermal insulation of exterior walls with 8-cm thickness, carbon-black, graphite-based, expanded polystyrene (EPS - 16 kg/m <sup>3</sup> density) panels coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	70,50
	<b>Thermal Insulation for Basement Curtains with XPS</b>		
15.335.1301	Thermal insulation over water insulation for basement walls using 3-cm thickness boards with smooth surface (XPS - 300 Kpa compressive strength)	m <sup>2</sup>	18,33
15.335.1302	Thermal insulation over water insulation for basement walls using 4-cm thickness boards with smooth surface (XPS - 300 Kpa compressive strength)	m <sup>2</sup>	22,61
15.335.1303	Thermal insulation over water insulation for basement walls using 5-cm thickness boards with smooth surface (XPS - 300 Kpa compressive strength)	m <sup>2</sup>	26,69
	<b>Thermal Insulation for Basement Curtains with EPS</b>		
15.335.1401	Thermal insulation over water insulation on basement curtains with 3-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) panels	m <sup>2</sup>	17,93
15.335.1402	Thermal insulation over water insulation on basement curtains with 4-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) panels	m <sup>2</sup>	22,09
15.335.1403	Thermal insulation over water insulation on basement curtains with 5-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) panels	m <sup>2</sup>	26,03
	<b>XPS Thermal Insulation for Flooring with Soil Contact or for Inverted Roofs</b>		
15.335.1501	Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 3-cm thickness boards with smooth surface (XPS - 300 Kpa compressive strength)	m <sup>2</sup>	14,41
15.335.1502	Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs, etc.) using 4-cm thickness boards with smooth surface (XPS - 300 Kpa compressive strength)	m <sup>2</sup>	18,48

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.335.1503	Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 5-cm thickness boards with smooth surface (XPS - 300 Kpa compressive strength)	m <sup>2</sup>	22,55
15.335.1504	Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 6-cm thickness boards with smooth surface (XPS - 300 Kpa compressive strength)	m <sup>2</sup>	26,61
15.335.1505	Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 7-cm thickness boards with smooth surface (XPS - 300 Kpa compressive strength)	m <sup>2</sup>	30,69
15.335.1506	Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 8-cm thickness boards with smooth surface (XPS - 300 Kpa compressive strength)	m <sup>2</sup>	34,75
15.335.1507	Horizontal thermal insulation (for flooring with soil contact or fore inverted roofs) using 10-cm thickness boards with smooth surface (XPS - 300 Kpa compressive strength)	m <sup>2</sup>	42,89
	<b>XPS Thermal Insulation on Ground or Mezzanine Flooring Concrete</b>		
15.335.1601	Horizontal thermal insulation (on ground or mezzanine flooring concrete, etc.) using 3-cm thickness boards with smooth surface (XPS - 200 Kpa compressive strength)	m <sup>2</sup>	13,81
15.335.1602	Horizontal thermal insulation (on ground or mezzanine flooring concrete, etc.) using 4-cm thickness boards with smooth surface (XPS - 200 Kpa compressive strength)	m <sup>2</sup>	17,69
15.335.1603	Horizontal thermal insulation (on ground or mezzanine flooring concrete, etc.) using 5-cm thickness boards with smooth surface (XPS - 200 Kpa compressive strength)	m <sup>2</sup>	21,56
	<b>EPS Thermal Insulation on Ground or Mezzanine Flooring Concrete</b>		
15.335.1701	Horizontal thermal insulation with 3-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) (on flooring or mezzanine flooring concrete, etc.)	m <sup>2</sup>	14,01
15.335.1702	Horizontal thermal insulation with 4-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) (on flooring or mezzanine flooring concrete, etc.)	m <sup>2</sup>	17,95
15.335.1703	Horizontal thermal insulation with 5-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) (on flooring or mezzanine flooring concrete, etc.)	m <sup>2</sup>	21,89
	<b>EPS Thermal Insulation for Conventional Trafficable Roofs</b>		
15.335.1801	Horizontal thermal insulation with 3-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) panels (on conventional trafficable roofs, etc.)	m <sup>2</sup>	13,23
15.335.1802	Horizontal thermal insulation with 4-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) panels (on conventional trafficable roofs, etc.)	m <sup>2</sup>	16,90
15.335.1803	Horizontal thermal insulation with 5-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) panels (on conventional trafficable roofs, etc.)	m <sup>2</sup>	20,58
15.335.1804	Horizontal thermal insulation with 6-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) panels (on conventional trafficable roofs, etc.)	m <sup>2</sup>	24,25
15.335.1805	Horizontal thermal insulation with 7-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) panels (on conventional trafficable roofs, etc.)	m <sup>2</sup>	27,93
15.335.1806	Horizontal thermal insulation with 8-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) panels (on conventional trafficable roofs, etc.)	m <sup>2</sup>	31,60
15.335.1807	Horizontal thermal insulation with 10-cm thickness expanded polystyrene (EPS - 30 kg/m <sup>3</sup> density) panels (on conventional trafficable roofs, etc.)	m <sup>2</sup>	38,95

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>EPS Thermal Insulation between Two Walls (sandwich system)</b>		
15.335.1901	Thermal insulation between two walls with 2.5-cm thickness expanded polystyrene (EPS - 15 kg/m <sup>3</sup> density) (sandwich system)	m <sup>2</sup>	6,56
15.335.1902	Thermal insulation between two walls with 3-cm thickness expanded polystyrene (EPS - 15 kg/m <sup>3</sup> density) (sandwich system)	m <sup>2</sup>	7,56
15.335.1903	Thermal insulation between two walls with 4-cm thickness expanded polystyrene (EPS - 15 kg/m <sup>3</sup> density) (sandwich system)	m <sup>2</sup>	9,60
15.335.1904	Thermal insulation between two walls with 5-cm thickness expanded polystyrene (EPS - 15 kg/m <sup>3</sup> density) (sandwich system)	m <sup>2</sup>	11,64
15.335.1905	Thermal insulation between two walls with 6-cm thickness expanded polystyrene (EPS - 15 kg/m <sup>3</sup> density) (sandwich system)	m <sup>2</sup>	13,68
15.335.1906	Thermal insulation between two walls with 7-cm thickness expanded polystyrene (EPS - 15 kg/m <sup>3</sup> density) (sandwich system)	m <sup>2</sup>	15,70
15.335.1907	Thermal insulation between two walls with 8-cm thickness expanded polystyrene (EPS - 15 kg/m <sup>3</sup> density) (sandwich system)	m <sup>2</sup>	17,74
15.335.1908	Thermal insulation between two walls with 10-cm thickness expanded polystyrene (EPS - 15 kg/m <sup>3</sup> density) (sandwich system)	m <sup>2</sup>	21,81
	<b>THERMAL AND SOUND INSULATION WITH ROCK WOOL AND GLASS WOOL</b>		
	<b>Rock Wool Sheathing</b>		
15.340.1001	Exterior thermal insulation of exterior walls with 3-cm thickness rock wool panels (min. 120 kg/m <sup>3</sup> density) coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	71,36
15.340.1002	Exterior thermal insulation of exterior walls with 4-cm thickness rock wool panels (min. 120 kg/m <sup>3</sup> density) coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	75,49
15.340.1003	Exterior thermal insulation of exterior walls with 5-cm thickness rock wool panels (min. 120 kg/m <sup>3</sup> density) coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	79,50
15.340.1004	Exterior thermal insulation of exterior walls with 6-cm thickness rock wool panels (min. 120 kg/m <sup>3</sup> density) coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	83,63
15.340.1005	Exterior thermal insulation of exterior walls with 7-cm thickness rock wool panels (min. 120 kg/m <sup>3</sup> density) coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	89,01
15.340.1006	Exterior thermal insulation of exterior walls with 8-cm thickness rock wool panels (min. 120 kg/m <sup>3</sup> density) coated with thermal insulation plaster (sheathing)	m <sup>2</sup>	91,84
	<b>Thermal and Acoustic Insulation on Ground or Mezzanine Flooring Concrete with Rock Wool</b>		
15.340.1101	Horizontal thermal and acoustic insulation with 2.5-cm thickness rock wool (rock wool - 110 kg/m <sup>3</sup> density - load-bearing) (on flooring or mezzanine flooring concrete, etc.)	m <sup>2</sup>	12,11
15.340.1102	Horizontal thermal and acoustic insulation with 3-cm thickness rock wool (rock wool - 110 kg/m <sup>3</sup> density - load-bearing) (on flooring or mezzanine flooring concrete, etc.)	m <sup>2</sup>	14,15
15.340.1103	Horizontal thermal and acoustic insulation with 3.5-cm thickness rock wool (rock wool - 110 kg/m <sup>3</sup> density - load-bearing) (on flooring or mezzanine flooring concrete, etc.)	m <sup>2</sup>	16,11



**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>Thermal Insulation with Rock Wool for Conventional Trafficable Roofs</b>		
15.340.1201	Horizontal thermal insulation with 3-cm thickness rock wool panels (Rock wool - 150 kg/m <sup>3</sup> density - load-bearing) (on conventional trafficable roofs, etc.)	m <sup>2</sup>	16,51
15.340.1202	Horizontal thermal insulation with 4-cm thickness rock wool panels (Rock wool - 150 kg/m <sup>3</sup> density - load-bearing) (on conventional trafficable roofs, etc.)	m <sup>2</sup>	20,64
15.340.1203	Horizontal thermal insulation with 5-cm thickness rock wool panels (Rock wool - 150 kg/m <sup>3</sup> density - load-bearing) (on conventional trafficable roofs, etc.)	m <sup>2</sup>	24,65
15.340.1204	Horizontal thermal insulation with 6-cm thickness rock wool panels (Rock wool - 150 kg/m <sup>3</sup> density - load-bearing) (on conventional trafficable roofs, etc.)	m <sup>2</sup>	29,30
15.340.1205	Horizontal thermal insulation with 8-cm thickness rock wool panels (Rock wool - 150 kg/m <sup>3</sup> density - load-bearing) (on conventional trafficable roofs, etc.)	m <sup>2</sup>	36,99
15.340.1206	Horizontal thermal insulation with 10-cm thickness rock wool panels (Rock wool - 150 kg/m <sup>3</sup> density - load-bearing) (on conventional trafficable roofs, etc.)	m <sup>2</sup>	45,13
	<b>Thermal and Acoustic Insulation with Glass Wool between Two Walls (sandwich system)</b>		
15.340.1301	Thermal and acoustic insulation between two walls with 3-cm thickness glass wool panels (Glass wool panel, 20-22 kg/m <sup>3</sup> density - non-load-bearing - with silicon) (sandwich system)	m <sup>2</sup>	6,34
15.340.1302	Thermal and acoustic insulation between two walls with 4-cm thickness glass wool panels (Glass wool panel, 20-22 kg/m <sup>3</sup> density - non-load-bearing - with silicon) (sandwich system)	m <sup>2</sup>	7,65
15.340.1303	Thermal and acoustic insulation between two walls with 5-cm thickness glass wool panels (Glass wool panel, 20-22 kg/m <sup>3</sup> density - non-load-bearing - with silicon) (sandwich system)	m <sup>2</sup>	8,96
15.340.1304	Thermal and acoustic insulation between two walls with 6-cm thickness glass wool panels (Glass wool panel, 20-22 kg/m <sup>3</sup> density - non-load-bearing - with silicon) (sandwich system)	m <sup>2</sup>	10,40
15.340.1305	Thermal and acoustic insulation between two walls with 8-cm thickness glass wool panels (Glass wool panel, 20-22 kg/m <sup>3</sup> density - non-load-bearing - with silicon) (sandwich system)	m <sup>2</sup>	12,90
15.340.1306	Thermal and acoustic insulation between two walls with 10-cm thickness glass wool panels (Glass wool panel, 20-22 kg/m <sup>3</sup> density - non-load-bearing - with silicon) (sandwich system)	m <sup>2</sup>	16,78
	<b>Laying Rock Wool/Glass Wool on Garret Flooring Concrete</b>		
15.340.1401	Laying 6-cm thickness glass wool mattress on the garret flooring (Glass wool mattress - 18 kg/m <sup>3</sup> density) and laying vapor-permeable insulation cover on the mattress	m <sup>2</sup>	15,44
15.340.1402	Laying 8-cm thickness glass wool mattress on the garret flooring (Glass wool mattress - 18 kg/m <sup>3</sup> density) and laying vapor-permeable insulation cover on the mattress	m <sup>2</sup>	18,06
15.340.1403	Laying 10-cm thickness glass wool mattress on the garret flooring (Glass wool mattress - 18 kg/m <sup>3</sup> density) and laying vapor-permeable insulation cover on the mattress	m <sup>2</sup>	19,90
15.340.1404	Laying 12-cm thickness glass wool mattress on the garret flooring (Glass wool mattress - 18 kg/m <sup>3</sup> density) and laying vapor-permeable insulation cover on the mattress	m <sup>2</sup>	21,74
15.340.1405	Laying 14-cm thickness glass wool mattress on the garret flooring (Glass wool mattress - 18 kg/m <sup>3</sup> density) and laying vapor-permeable insulation cover on the mattress	m <sup>2</sup>	23,64

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.340.1406	Laying 6-cm thickness rock wool mattress on the garret flooring (Rock wool mattress - 50 kg/m <sup>3</sup> density) and laying vapor-permeable insulation cover on the mattress	m <sup>2</sup>	19,84
15.340.1407	Laying 8-cm thickness rock wool mattress on the garret flooring (Rock wool mattress - 50 kg/m <sup>3</sup> density) and laying vapor-permeable insulation cover on the mattress	m <sup>2</sup>	22,26
15.340.1408	Laying 10-cm thickness rock wool mattress on the garret flooring (Rock wool mattress - 50 kg/m <sup>3</sup> density) and laying vapor-permeable insulation cover on the mattress	m <sup>2</sup>	24,63
15.340.1409	Laying 12-cm thickness rock wool mattress on the garret flooring (Rock wool mattress - 50 kg/m <sup>3</sup> density) and laying vapor-permeable insulation cover on the mattress	m <sup>2</sup>	26,99
15.340.1410	Laying 14-cm thickness rock wool mattress on the garret flooring (Rock wool mattress - 50 kg/m <sup>3</sup> density) and laying vapor-permeable insulation cover on the mattress	m <sup>2</sup>	29,35
	<b>HORIZONTAL THERMAL AND ACOUSTIC INSULATION WITH POLYETHELENE FOAM MATS</b>		
15.340.9951	Thermal and acoustic insulation on horizontal plane (on the floor or mezzanine flooring concrete, etc.) with 2-mm-thickness flat mattresses (min. 90 kg/m <sup>3</sup> density) made of polyethylene foam	m <sup>2</sup>	6,14
15.340.9952	Thermal and acoustic insulation on horizontal plane (on the floor or mezzanine flooring concrete, etc.) with 5-mm-thickness flat mattresses (min. 90 kg/m <sup>3</sup> density) made of polyethylene foam	m <sup>2</sup>	12,05
15.340.9953	Thermal and acoustic insulation on horizontal plane (on the floor or mezzanine flooring concrete, etc.) with 8-mm-thickness flat mattresses (min. 90 kg/m <sup>3</sup> density) made of polyethylene foam	m <sup>2</sup>	17,95
15.340.9961	Thermal and acoustic insulation on horizontal plane (on screed concrete etc.) with 2-mm-thickness perforated mattresses (min. 90 kg/m <sup>3</sup> density) made of polyethylene foam	m <sup>2</sup>	8,76
15.340.9962	Thermal and acoustic insulation on horizontal plane (on screed concrete etc.) with 2.5-mm-thickness perforated mattresses (min. 90 kg/m <sup>3</sup> density) made of polyethylene foam	m <sup>2</sup>	10,74
15.340.9963	Thermal and acoustic insulation on horizontal plane (on screed concrete etc.) with 5-mm-thickness perforated mattresses (min. 90 kg/m <sup>3</sup> density) made of polyethylene foam	m <sup>2</sup>	18,61
	<b>SHEATHING WITH AAC THERMAL INSULATION PANELS</b>		
	<b>Sheathing with AAC Thermal Insulation Slabs</b>		
15.345.1001	Exterior thermal insulation of exterior walls with 5-cm thickness AAC thermal insulation panels coated with AAC thermal insulation panel plaster (Sheathing)	m <sup>2</sup>	78,05
15.345.1002	Exterior thermal insulation of exterior walls with 6-cm thickness AAC thermal insulation panels coated with AAC thermal insulation panel plaster (Sheathing)	m <sup>2</sup>	81,85
15.345.1003	Exterior thermal insulation of exterior walls with 7-cm thickness AAC thermal insulation panels coated with AAC thermal insulation panel plaster (Sheathing)	m <sup>2</sup>	85,66
15.345.1004	Exterior thermal insulation of exterior walls with 8-cm thickness AAC thermal insulation panels coated with AAC thermal insulation panel plaster (Sheathing)	m <sup>2</sup>	89,46
15.345.1005	Exterior thermal insulation of exterior walls with 9-cm thickness AAC thermal insulation panels coated with AAC thermal insulation panel plaster (Sheathing)	m <sup>2</sup>	93,28
15.345.1006	Exterior thermal insulation of exterior walls with 10-cm thickness AAC thermal insulation panels coated with AAC thermal insulation panel plaster (Sheathing)	m <sup>2</sup>	97,08

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>Thermal Insulation of Ceilings with AAC Thermal Insulation Slabs</b>		
15.345.1101	Thermal insulation of reinforced concrete ceilings with 5-cm thickness AAC thermal insulation slabs (Plaster-free application)	m <sup>2</sup>	43,28
15.345.1102	Thermal insulation of reinforced concrete ceilings with 6-cm thickness AAC thermal insulation slabs (Plaster-free application)	m <sup>2</sup>	47,08
15.345.1103	Thermal insulation of reinforced concrete ceilings with 7-cm thickness AAC thermal insulation slabs (Plaster-free application)	m <sup>2</sup>	50,89
15.345.1104	Thermal insulation of reinforced concrete ceilings with 8-cm thickness AAC thermal insulation slabs (Plaster-free application)	m <sup>2</sup>	54,69
15.345.1105	Thermal insulation of reinforced concrete ceilings with 9-cm thickness AAC thermal insulation slabs (Plaster-free application)	m <sup>2</sup>	58,50
15.345.1106	Thermal insulation of reinforced concrete ceilings with 10-cm thickness AAC thermal insulation slabs (Plaster-free application)	m <sup>2</sup>	62,30
	<b>AUXILIARY SHEATHING PROFILES</b>		
15.360.1001	Supply and installation of aluminum corner profiles (meshed)	m	3,84
15.360.1002	Supply and installation of PVC corner profiles (meshed)	m	3,21
15.360.1003	Supply and installation of aluminum corner profiles with splashboard (meshed)	m	5,96
15.360.1004	Supply and installation of PVC corner profiles with splashboard (meshed)	m	4,00
15.360.1005	Supply and installation of aluminum plinth profiles for 3 to 5 cm jacketing	m	9,28
15.360.1006	Supply and installation of PVC-based expansion profiles (meshed) for 3 to 5 cm (including 5 cm) expansion openings	m	23,64
15.360.1007	Supply and installation of self-adhesive mesh PVC Window and Door Attachment Profiles (Joinery Finish Profile)	m	7,23
	<b>PVC-BASED FLOORING</b>		
15.365.1001	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm thickness PVC-based flooring materials over the mortar (Homogeneous - Group P )	m <sup>2</sup>	82,99
15.365.1002	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm thickness PVC-based flooring materials over the mortar (Heterogeneous - Group T )	m <sup>2</sup>	76,43
15.365.1003	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm thickness PVC-based flooring materials over the mortar (Heterogeneous - Group T )	m <sup>2</sup>	81,68
15.365.1004	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm thickness PVC-based flooring tiles over the mortar (Homogeneous - Group P )	m <sup>2</sup>	102,89
15.365.1005	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm thickness PVC-based flooring materials over the mortar (Heterogeneous - Group T )	m <sup>2</sup>	82,99

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.365.1006	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm thickness PVC-based flooring materials over the mortar (Heterogeneous - Group T)	m <sup>2</sup>	96,11
15.365.1007	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 3-mm thickness PVC-based flooring materials over the mortar (Heterogeneous - Group T)	m <sup>2</sup>	94,80
15.365.1008	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm thickness PVC-based flooring materials over the mortar (Homogeneous - Group T)	m <sup>2</sup>	97,43
15.365.1009	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with 2-mm thickness PVC-based flooring tiles over the mortar (Heterogeneous - Group T)	m <sup>2</sup>	116,01
	<b>PVC-based Indoor Sports Flooring</b>		
15.365.1101	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with PVC-based flooring materials for sports over the mortar for sports hall floors (P1)	m <sup>2</sup>	179,09
15.365.1102	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with PVC-based flooring materials for sports over the mortar for sports hall floors (P2)	m <sup>2</sup>	222,40
15.365.1103	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and flooring with PVC-based flooring materials for sports over the mortar for sports hall floors (P3)	m <sup>2</sup>	277,53
	<b>LINOLEUM FLOORING</b>		
15.365.1501	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and 2-mm thickness linoleum flooring over the mortar (Class 32-41)	m <sup>2</sup>	104,53
15.365.1502	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and 2.5-mm thickness linoleum flooring over the mortar (Class 34-43)	m <sup>2</sup>	115,03
15.365.1503	Leveling of the floor at 2 mm thickness on average with cement-based, self-leveling mortar, and 3.2-mm thickness linoleum flooring over the mortar (Class 34-43)	m <sup>2</sup>	142,59
	<b>PVC Baseboards</b>		
15.365.1701	Supply and installation of PVC-based flexible baseboards	m	6,50
15.365.1702	Supply and installation of PVC-based baseboards with integral corners and caps	m	9,94
	<b>Transition Profiles</b>		
15.365.1751	Supply and installation of (4-cm-wide) PVC-based crossover profiles	m	10,69
15.365.1752	Supply and installation of (4-cm-wide) aluminum-based crossover profiles	m	17,15

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>FLOORING AND WALL PANELING WITH CERAMIC TILES</b>		
	<b>Flooring with Ceramic Floor Tiles</b>		
15.375.1002	Flooring with 3 mm joints using first quality, white ceramic floor tiles in 30 x 30 cm or 33 x 33cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	46,41
15.375.1003	Flooring with 3 mm joints using first quality, white ceramic floor tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	50,80
15.375.1004	Flooring with 3 mm joints using first quality, white ceramic floor tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	51,46
15.375.1052	Flooring with 3 mm joints using first quality, colored ceramic floor tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	47,73
15.375.1053	Flooring with 3 mm joints using first quality, colored ceramic floor tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	52,79
15.375.1054	Flooring with 3 mm joints using first quality, colored ceramic floor tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	53,45
	<b>Tiling of Walls with Ceramic Wall Tiles</b>		
15.380.1003	Tiling of walls with 3 mm joints using first quality, white ceramic wall tiles in 20 x 25 cm or 20 x 30 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	53,63
15.380.1005	Tiling of walls with 3 mm joints using first quality, white ceramic wall tiles in 25 x 33 cm or 25 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	51,00
15.380.1006	Tiling of walls with 3 mm joints using first quality, white ceramic wall tiles in 20 x 60 cm, 30 x 60 cm or 33 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	63,36
15.380.1007	Tiling of walls with 3 mm joints using first quality, white ceramic wall tiles in 20 x 50 cm, 25 x 50 cm, 30 x 45 cm or 33 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	53,19
15.380.1053	Tiling of walls with 3 mm joints using first quality, colored ceramic wall tiles in 20 x 25 cm or 20 x 30 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	56,25
15.380.1055	Tiling of walls with 3 mm joints using first quality, colored ceramic wall tiles in 25 x 33 cm or 25 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	52,96
15.380.1056	Tiling of walls with 3 mm joints using first quality, colored ceramic wall tiles in 20 x 60 cm, 30 x 60 cm or 33 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	64,69
15.380.1057	Tiling of walls with 3 mm joints using first quality, colored ceramic wall tiles in 20 x 50 cm, 25 x 50 cm, 30 x 45 cm or 33 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	55,15

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>Flooring and Wall Paneling with Glazed Porcelain Tiles</b>		
15.385.1004	Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	61,93
15.385.1005	Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	64,25
15.385.1006	Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	64,25
15.385.1008	Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 60 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	72,86
15.385.1009	Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	80,15
15.385.1010	Flooring with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	74,19
15.385.1024	Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	63,89
15.385.1025	Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	66,24
15.385.1026	Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	66,24
15.385.1028	Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 60 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	74,19
15.385.1029	Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	82,14
15.385.1030	Flooring with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	76,18
15.385.1043	Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 20 x 20 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	67,83
15.385.1044	Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	63,89
15.385.1045	Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	66,21
15.385.1046	Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	66,21

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.385.1049	Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	82,11
15.385.1050	Wall and facade tiling with 3 mm joint gaps using first quality, white, glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	76,15
15.385.1063	Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 20 x 20 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	71,10
15.385.1064	Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	65,85
15.385.1065	Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	68,20
15.385.1066	Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	68,20
15.385.1069	Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	84,10
15.385.1070	Wall and facade tiling with 3 mm joint gaps using first quality, colored, glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	78,14
	<b>Flooring and Wall Tiling with Non-glazed Porcelain Tiles</b>		
15.390.1004	Flooring with 3 mm joint gaps using first quality, matte, non-glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	67,18
15.390.1005	Flooring with 3 mm joint gaps using first quality, matte, non-glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	70,88
15.390.1006	Flooring with 3 mm joint gaps using first quality, matte, non-glazed, rectified porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	80,15
15.390.1008	Flooring with 3 mm joint gaps using first quality, rectified, matte, non-glazed porcelain tiles in 60 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	88,76
15.390.1009	Flooring with 3 mm joint gaps using first quality, rectified, matte, non-glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	89,43
15.390.1010	Flooring with 3 mm joint gaps using first quality, rectified, matte, non-glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	90,09

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.390.1024	Flooring with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	79,64
15.390.1025	Flooring with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	84,13
15.390.1026	Flooring with 3 mm joint gaps using first quality, glossy, non-glazed, rectified porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	97,38
15.390.1028	Flooring with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 60 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	105,99
15.390.1029	Flooring with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	106,65
15.390.1030	Flooring with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	111,29
15.390.1043	Wall and facade tiling with 3 mm joint gaps using first quality, matte, non-glazed porcelain tiles in 20 x 20 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	74,39
15.390.1044	Wall and facade tiling with 3 mm joint gaps using first quality, matte, non-glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	69,14
15.390.1045	Wall and facade tiling with 3 mm joint gaps using first quality, matte, non-glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	72,84
15.390.1046	Wall and facade tiling with 3 mm joint gaps using first quality, matte, non-glazed, rectified porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	82,11
15.390.1049	Wall and facade tiling with 3 mm joint gaps using first quality, rectified, matte, non-glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	91,39
15.390.1050	Wall and facade tiling with 3 mm joint gaps using first quality, rectified, matte, non-glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	92,05
15.390.1063	Wall and facade tiling with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 20 x 20 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	88,16
15.390.1064	Wall and facade tiling with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 30 x 30 cm or 33 x 33 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	81,60



**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.390.1065	Wall and facade tiling with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 40 x 40 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	86,09
15.390.1066	Wall and facade tiling with 3 mm joint gaps using first quality, glossy, non-glazed, rectified porcelain tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	99,34
15.390.1069	Wall and facade tiling with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 15 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	108,61
15.390.1070	Wall and facade tiling with 3 mm joint gaps using first quality, rectified, glossy, non-glazed porcelain tiles in 30 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)	m <sup>2</sup>	113,25
	<b>TERRAZZO FLOORING (INTERIOR)</b>		
	<b>With Marble Aggregate (Interior)</b>		
15.400.1001	Interior flooring with marble aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area ≤ 1100 cm <sup>2</sup> , honed or polished)	m <sup>2</sup>	95,81
15.400.1002	Interior flooring with marble aggregate terrazzo tiles (Breaking Load Conditions (Class 1) (Surface area > 1100 cm <sup>2</sup> , honed or polished)	m <sup>2</sup>	101,06
15.400.1003	Interior flooring with marble aggregate terrazzo tiles (Breaking Load Conditions (Class 2) Surface area ≤ 1100 cm <sup>2</sup> , and breaking strength > 2.5 kN, honed or polished)	m <sup>2</sup>	98,44
15.400.1004	Interior flooring with marble aggregate terrazzo tiles (Breaking Load Conditions (Class 3) 1100 < Surface area < 1800 cm <sup>2</sup> , breaking strength > 3 kN, honed or polished)	m <sup>2</sup>	101,06
15.400.1005	Interior flooring with marble aggregate terrazzo tiles (Breaking Load Conditions (Class 3) Surface area ≥ 1800 cm <sup>2</sup> , breaking strength > 3 kN, honed or polished)	m <sup>2</sup>	115,50
	<b>With Granite Aggregate (Interior)</b>		
15.400.1101	Interior flooring with granite aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area ≤ 1100 cm <sup>2</sup> , honed or polished)	m <sup>2</sup>	112,88
15.400.1102	Interior flooring with granite aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area > 1100 cm <sup>2</sup> , honed or polished)	m <sup>2</sup>	115,50
15.400.1103	Interior flooring with granite aggregate terrazzo tiles (Breaking Load Conditions (Class 2) (Surface area ≤ 1100 cm <sup>2</sup> , and breaking strength > 2.5 kN, honed or polished)	m <sup>2</sup>	114,19
15.400.1104	Interior flooring with granite aggregate terrazzo tiles (Breaking Load Conditions (Class 3) (1100 < Surface area < 1800 cm <sup>2</sup> , and breaking strength > 3 kN, honed or polished)	m <sup>2</sup>	116,81
15.400.1105	Interior flooring with granite aggregate terrazzo tiles (Breaking Load Conditions (Class 3) (Surface area ≥ 1800 cm <sup>2</sup> , and breaking strength > 3 kN, honed or polished)	m <sup>2</sup>	120,75

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>With Quartz-Silica + Marble Aggregate (Interior)</b>		
15.400.1201	Interior flooring with quartz-silica + marble aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area ≤ 1100 cm <sup>2</sup> , honed or polished)	m <sup>2</sup>	112,88
15.400.1202	Interior flooring with quartz-silica + marble aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area > 1100 cm <sup>2</sup> , honed or polished)	m <sup>2</sup>	115,50
15.400.1203	Interior flooring with quartz-silica + marble aggregate terrazzo tiles (Breaking Load Conditions (Class 2) Surface area ≤ 1100 cm <sup>2</sup> breaking strength > 2.5 kN, honed or polished)	m <sup>2</sup>	114,19
15.400.1204	Interior flooring with quartz-silica + marble aggregate terrazzo tiles (Breaking Load Conditions (Class 3) 1100 < Surface area < 1800 cm <sup>2</sup> , breaking strength > 3 kN, honed or polished)	m <sup>2</sup>	116,81
15.400.1205	Interior flooring with quartz-silica + marble aggregate terrazzo tiles (Breaking Load Conditions (Class 3) Surface area ≥ 1800 cm <sup>2</sup> , breaking strength > 3 kN, honed or polished)	m <sup>2</sup>	120,75
	<b>With Quartz-Silica Aggregate (Interior)</b>		
15.400.1301	Interior flooring with quartz-silica aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area ≤ 1100 cm <sup>2</sup> , honed or polished)	m <sup>2</sup>	187,69
15.400.1302	Interior flooring with quartz-silica aggregate terrazzo tiles (Breaking Load Conditions (Class 1) Surface area > 1100 cm <sup>2</sup> , honed or polished)	m <sup>2</sup>	194,25
15.400.1303	Interior flooring with quartz-silica aggregate terrazzo tiles (Breaking Load Conditions (Class 2) Surface area ≤ 1100 cm <sup>2</sup> , breaking strength > 2.5 kN, honed or polished)	m <sup>2</sup>	187,69
15.400.1304	Interior flooring with quartz-silica aggregate terrazzo tiles (Breaking Load Conditions (Class 3) (1100 < Surface area < 1800 cm <sup>2</sup> , and breaking strength > 3 kN, honed or polished)	m <sup>2</sup>	203,44
15.400.1305	Interior flooring with quartz-silica aggregate terrazzo tiles (Breaking Load Conditions (Class 3) Surface area ≥ 1800 cm <sup>2</sup> , breaking strength > 3 kN, honed or polished)	m <sup>2</sup>	217,88
	<b>TERRAZZO FLOORING (EXTERIOR)</b>		
	<b>Cement Tiles (Exterior)</b>		
15.405.1001	Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 1), Min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup> , grooved - non-grooved, any color)	m <sup>2</sup>	93,19
15.405.1002	Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 1), Min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , grooved - non-grooved, any color)	m <sup>2</sup>	106,31
15.405.1003	Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 2), Min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup> , grooved - non-grooved, any color)	m <sup>2</sup>	97,13
15.405.1004	Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 2), Min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , grooved - non-grooved, any color)	m <sup>2</sup>	108,94

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.405.1005	Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 3), Min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup> , grooved - non-grooved, any color)	m <sup>2</sup>	99,75
15.405.1006	Exterior flooring with terrazzo cement tiles (Breaking Strength Conditions (Class 3), Min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , grooved - non-grooved, any color)	m <sup>2</sup>	111,56
	<b>With Marble Aggregate (Exterior)</b>		
15.405.1101	Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	98,44
15.405.1102	Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	107,63
15.405.1103	Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	103,69
15.405.1104	Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	111,56
15.405.1105	Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	103,69
15.405.1106	Exterior flooring with marble aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	114,19
	<b>With Granite Aggregate (Exterior)</b>		
15.405.1201	Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	107,63
15.405.1202	Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	119,44
15.405.1203	Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	111,56
15.405.1204	Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	122,06
15.405.1205	Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	112,88
15.405.1206	Exterior flooring with granite aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	127,31

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>With Andesite Aggregate (Exterior)</b>		
15.405.1301	Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	99,75
15.405.1302	Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	119,44
15.405.1303	Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	103,69
15.405.1304	Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	122,06
15.405.1305	Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	107,63
15.405.1306	Exterior flooring with andesite aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	127,31
	<b>With Basalt Aggregate (Exterior)</b>		
15.405.1401	Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	99,75
15.405.1402	Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	119,44
15.405.1403	Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	103,69
15.405.1404	Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	122,06
15.405.1405	Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	107,63
15.405.1406	Exterior flooring with basalt aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	128,63
	<b>With Quartz-Silica Aggregate (Exterior)</b>		
15.405.1501	Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	127,31

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.405.1502	Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	133,88
15.405.1503	Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	129,94
15.405.1504	Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	137,81
15.405.1505	Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	135,19
15.405.1506	Exterior flooring with quartz-silica aggregate terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup> , with any surface treatment)	m <sup>2</sup>	141,75
	<b>Wash Concrete (Exterior)</b>		
15.405.1601	Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), Surface area ≤ 1600 cm <sup>2</sup> )	m <sup>2</sup>	107,63
15.405.1602	Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 1), min. 2.8 Mpa bending strength, Abrasion strength class (2-G), 1600 < Surface area ≤ 3600 cm <sup>2</sup> )	m <sup>2</sup>	112,88
15.405.1603	Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), Surface area ≤ 1600 cm <sup>2</sup> )	m <sup>2</sup>	111,56
15.405.1604	Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 2), min. 3.2 Mpa bending strength, Abrasion strength class (3-H), 1600 < Surface area ≤ 3600 cm <sup>2</sup> )	m <sup>2</sup>	116,81
15.405.1605	Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), Surface area ≤ 1600 cm <sup>2</sup> )	m <sup>2</sup>	112,88
15.405.1606	Exterior flooring with wash concrete surface-treated terrazzo tiles (Breaking Strength Conditions (Class 3), min. 4.0 Mpa bending strength, Abrasion strength class (4-I), 1600 < Surface area ≤ 3600 cm <sup>2</sup> )	m <sup>2</sup>	119,44
	<b>Terrazzo Baseboard</b>		
15.405.1701	Production and installation of baseboard made of terrazzo tiles, with 6 to 10 cm height, any thickness (any surface treatment)	m	17,76
	<b>MARBLE COATING</b>		
	<b>Flooring with white marble sheets</b>		
15.410.1001	Flooring with 2-cm thickness white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	139,33
15.410.1002	Flooring with 2-cm thickness white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	156,39

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.410.1003	Flooring with 3-cm thickness white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	150,88
15.410.1004	Flooring with 3-cm thickness white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	167,94
15.410.1005	Flooring with 4-cm thickness white marble sheets (4 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	159,28
15.410.1006	Flooring with 4-cm thickness white marble sheets (4 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	176,34
15.410.1007	Flooring with 5-cm thickness white marble sheets (5 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	166,10
15.410.1008	Flooring with 5-cm thickness white marble sheets (5 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	183,16
	<b>Flooring with colored marble sheets</b>		
15.410.1101	Flooring with 2-cm thickness colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	149,83
15.410.1102	Flooring with 2-cm thickness colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	166,89
15.410.1103	Flooring with 3-cm thickness colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	163,58
15.410.1104	Flooring with 3-cm thickness colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	180,64
15.410.1105	Flooring with 4-cm thickness colored marble sheets (4 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	173,58
15.410.1106	Flooring with 4-cm thickness colored marble sheets (4 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	190,64
15.410.1107	Flooring with 5-cm thickness colored marble sheets (5 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	181,70
15.410.1108	Flooring with 5-cm thickness colored marble sheets (5 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	198,76
	<b>Wall paneling with marble sheets</b>		
15.410.1201	Wall paneling with 2-cm thickness white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	155,31
15.410.1202	Wall paneling with 2-cm thickness white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	172,38
15.410.1203	Wall paneling with 2-cm thickness colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	165,81
15.410.1204	Wall paneling with 2-cm thickness colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	182,88
	<b>Stair step paneling with marble sheets</b>		
15.410.1301	Stair step paneling with white marble sheets (step thickness: 3 cm, riser thickness: 2 cm) (honed or polished)	m	85,94
15.410.1302	Stair step paneling with white marble sheets (step thickness: 3 cm, riser thickness: 2 cm) (with any surface treatment except honing or polishing)	m	94,55

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.410.1303	Stair step paneling with colored marble sheets (step thickness: 3 cm, riser thickness: 2 cm) (honed or polished)	m	92,08
15.410.1304	Stair step paneling with colored marble sheets (step thickness: 3 cm, riser thickness: 2 cm) (with any surface treatment except honing or polishing)	m	100,69
	<b>Building exterior windowsills with marble sheets</b>		
15.410.1401	Building exterior windowsills with 3-cm thickness white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	222,71
15.410.1402	Building exterior windowsills with 3-cm thickness white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	239,78
15.410.1403	Building exterior windowsills with 3-cm thickness, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	235,41
15.410.1404	Building exterior windowsills with 3-cm thickness white, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	252,48
	<b>Building parapets with marble sheets</b>		
15.410.1501	Building parapets with 3-cm thickness white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	232,53
15.410.1502	Building parapets with 3-cm thickness white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	249,59
15.410.1503	Building parapets with 3-cm thickness, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	245,23
15.410.1504	Building parapets with 3-cm thickness, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	262,29
	<b>Building coping tiles with marble sheets</b>		
15.410.1601	Building coping tiles with 3-cm thickness white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	243,15
15.410.1602	Building coping tiles with 3-cm thickness white marble sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	260,21
15.410.1603	Building coping tiles with 3-cm thickness, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	255,85
15.410.1604	Building coping tiles with 3-cm thickness, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	263,10
	<b>Making jambs with marble sheets</b>		
15.410.1701	Making jambs with 2-cm thickness, white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	201,75
15.410.1702	Making jambs with 2-cm thickness, white marble sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	218,81
15.410.1703	Making jambs with 2-cm thickness, colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	212,25
15.410.1704	Making jambs with 2-cm thickness, colored marble sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	229,31
	<b>TRAVERTINE LINING WORKS</b>		
	<b>Flooring with light colored travertine panels</b>		
15.415.1001	Flooring with 2-cm thickness, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	156,39

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.415.1002	Flooring with 2-cm thickness, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	173,45
15.415.1003	Flooring with 3-cm thickness, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	171,51
15.415.1004	Flooring with 3-cm thickness, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	188,58
15.415.1005	Flooring with 4-cm thickness, light-colored travertine sheets (4 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	182,51
15.415.1006	Flooring with 4-cm thickness, light-colored travertine sheets (4 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	199,58
15.415.1007	Flooring with 5-cm thickness, light-colored travertine sheets (5 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	191,45
15.415.1008	Flooring with 5-cm thickness, light-colored travertine sheets (5 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	208,51
	<b>Flooring with dark-colored travertine sheets</b>		
15.415.1101	Flooring with 2-cm thickness, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	144,58
15.415.1102	Flooring with 2-cm thickness, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	161,64
15.415.1103	Flooring with 3-cm thickness, dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	157,23
15.415.1104	Flooring with 3-cm thickness, dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	174,29
15.415.1105	Flooring with 4-cm thickness, dark-colored travertine sheets (4 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	166,43
15.415.1106	Flooring with 4-cm thickness, dark-colored travertine sheets (4 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	183,49
15.415.1107	Flooring with 5-cm thickness, dark-colored travertine sheets (5 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	173,90
15.415.1108	Flooring with 5-cm thickness, dark-colored travertine sheets (5 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	190,96
	<b>Wall paneling with travertine sheets</b>		
15.415.1201	Wall paneling with 2-cm thickness, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	172,38
15.415.1202	Wall paneling with 2-cm thickness, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	189,44
15.415.1203	Wall paneling with 2-cm thickness, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	160,56



**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.415.1204	Wall paneling with 2-cm thickness, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	177,63
	<b>Stair step paneling with travertine sheets</b>		
15.415.1301	Stair step paneling with light-colored travertine sheets (step thickness: 3 cm, riser thickness: 2 cm) (honed or polished)	m	95,91
15.415.1302	Stair step paneling with light-colored travertine sheets (step thickness: 3 cm, riser thickness: 2 cm) (with any surface treatment except honing or polishing)	m	104,53
15.415.1303	Stair step paneling with dark-colored travertine sheets (step thickness: 3 cm, riser thickness: 2 cm) (honed or polished)	m	89,01
15.415.1304	Stair step paneling with dark-colored travertine sheets (step thickness: 3 cm, riser thickness: 2 cm) (with any surface treatment except honing or polishing)	m	97,63
	<b>Building exterior windowsills with travertine sheets</b>		
15.415.1401	Building exterior windowsills with 3-cm thickness, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	243,35
15.415.1402	Building exterior windowsills with 3-cm thickness light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	260,41
15.415.1403	Building exterior windowsills with 3-cm thickness, dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	229,06
15.415.1404	Building exterior windowsills with 3-cm thickness dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	246,13
	<b>Building parapets with travertine sheets</b>		
15.415.1501	Building parapets with 3-cm thickness, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	253,16
15.415.1502	Building parapets with 3-cm thickness light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	270,23
15.415.1503	Building parapets with 3-cm thickness, dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	238,88
15.415.1504	Building parapets with 3-cm thickness dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	255,94
	<b>Making coping tiles with travertine sheets</b>		
15.415.1601	Making coping tiles with 3-cm thickness, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	263,79
15.415.1602	Making coping tiles with 3-cm thickness, light-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	280,85
15.415.1603	Making coping tiles with 3-cm thickness, dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	249,50
15.415.1604	Making coping tiles with 3-cm thickness dark-colored travertine sheets (3 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	256,75
	<b>Making jambs with travertine sheets</b>		
15.415.1701	Making jambs with 2-cm thickness, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	218,81
15.415.1702	Making jambs with 2-cm thickness, light-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	235,88

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.415.1703	Making jambs with 2-cm thickness, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (honed or polished)	m <sup>2</sup>	207,00
15.415.1704	Making jambs with 2-cm thickness, dark-colored travertine sheets (2 cm x 30 - 40 - 50 cm x free size) (with any surface treatment except honing and polishing)	m <sup>2</sup>	224,06
	<b>ANDESITE PANELING</b>		
	<b>Andesite Flooring</b>		
15.420.1001	Flooring with 4-cm thickness andesite panels (30 cm x free dimension)	m <sup>2</sup>	153,16
15.420.1002	Flooring with 4-cm thickness, bush-hammered andesite panels (30 cm x free dimension)	m <sup>2</sup>	182,60
	<b>Andesite wall paneling</b>		
15.420.1101	Wall paneling with 3-cm thickness andesite panels (30 cm x free dimension)	m <sup>2</sup>	159,25
	<b>Making andesite jambs</b>		
15.420.1201	Making jambs with 3-cm thickness andesite panels	m <sup>2</sup>	162,16
	<b>READY-MIX, REINFORCED/UNREINFORCED CONCRETE STAIR STEPS, BASEBOARD, NOTCH BOARDS, WINDOWSILLS, PARAPETS, COPING TILES, ETC. WORKS</b>		
	<b>Flat steps (step and riser as two separate pieces)</b>		
15.430.1001	Supply and installation of ready-made, reinforced, flat stair steps made of concrete with marble aggregate (with any surface treatment)	m	133,30
15.430.1002	Supply and installation of ready-made, reinforced, flat stair steps made of concrete with granite aggregate (with any surface treatment)	m	137,28
15.430.1003	Supply and installation of ready-made, reinforced, flat stair steps made of concrete with andesite or basalt aggregate (with any surface treatment)	m	137,28
15.430.1004	Supply and installation of ready-made, reinforced, flat stair steps made of concrete with quartz-silica + marble aggregate (with any surface treatment)	m	146,55
15.430.1005	Supply and installation of ready-made, reinforced, flat stair steps made of concrete with quartz-silica aggregate (with any surface treatment)	m	179,68
	<b>L-shaped miter steps (one piece)</b>		
15.430.1101	Supply and installation of ready-made, reinforced, (L) stair steps made of concrete with marble aggregate (with any surface treatment)	m	147,88
15.430.1102	Supply and installation of ready-made, reinforced, (L) stair steps made of concrete with granite aggregate (with any surface treatment)	m	153,84
15.430.1103	Supply and installation of ready-made, reinforced, (L) stair steps made of concrete with andesite or basalt aggregate (with any surface treatment)	m	153,84
15.430.1104	Supply and installation of ready-made, reinforced, (L) stair steps made of concrete with quartz-silica + marble aggregate (with any surface treatment)	m	158,48
15.430.1105	Supply and installation of ready-made, reinforced, (L) stair steps made of concrete with quartz-silica aggregate (with any surface treatment)	m	200,21
	<b>Notch Boards and Baseboard</b>		
15.430.1201	Supply and installation of concrete, ready-made (L) stair skirt boards (in any size and thickness) (with any surface treatment)	m	23,14
15.430.1202	Supply and installation of concrete, ready-made (L) stair notch boards (in any size and thickness) (with any surface treatment)	m	24,85

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>Flat windowsills, parapets or coping tiles</b>		
15.430.1301	Building windowsills, parapets or coping tiles with ready-made, reinforced, flat panels made of marble aggregate concrete (with any surface treatment)	m <sup>2</sup>	222,29
15.430.1302	Building windowsills, parapets or coping tiles with ready-made, reinforced, flat panels made of granite aggregate concrete (with any surface treatment)	m <sup>2</sup>	234,10
15.430.1303	Building windowsills, parapets or coping tiles with ready-made, reinforced, flat panels made of quartz-silica + marble aggregate concrete (with any surface treatment)	m <sup>2</sup>	252,48
15.430.1304	Building windowsills, parapets or coping tiles with ready-made, reinforced, flat panels made of quartz-silica aggregate concrete (with any surface treatment)	m <sup>2</sup>	285,29
	<b>(L)-shaped windowsills, parapets or coping tiles</b>		
15.430.1401	Building windowsills, parapets or coping tiles with ready-made, reinforced, (L)-shaped panels made of marble aggregate concrete (with any surface treatment)	m <sup>2</sup>	231,48
15.430.1402	Building windowsills, parapets or coping tiles with ready-made, reinforced, (L)-shaped panels made of granite aggregate concrete (with any surface treatment)	m <sup>2</sup>	243,29
15.430.1403	Building windowsills, parapets or coping tiles with ready-made, reinforced, (L)-shaped panels made of quartz-silica + marble aggregate concrete (with any surface treatment)	m <sup>2</sup>	268,23
15.430.1404	Building windowsills, parapets or coping tiles with ready-made, reinforced, (L)-shaped	m <sup>2</sup>	285,29
	<b>(U)-shaped windowsills, parapets or coping tiles</b>		
15.430.1501	Building windowsills, parapets or coping tiles with ready-made, reinforced, (U)-shaped panels made of marble aggregate concrete (with any surface treatment)	m <sup>2</sup>	251,16
15.430.1502	Building windowsills, parapets or coping tiles with ready-made, reinforced, (U)-shaped panels made of granite aggregate concrete (with any surface treatment)	m <sup>2</sup>	268,23
15.430.1503	Building windowsills, parapets or coping tiles with ready-made, reinforced, (U)-shaped panels made of quartz-silica + marble aggregate concrete (with any surface treatment)	m <sup>2</sup>	283,98
15.430.1504	Building windowsills, parapets or coping tiles with ready-made, reinforced,	m <sup>2</sup>	310,23
	<b>NATURAL/CONCRETE PAVING STONE, LAWN BLOCK, GUTTER STONE, KERB WORKS</b>		
	<b>Supply and laying of concrete paving stones</b>		
15.435.1001	Flooring with 6-cm-high steam-cured concrete paving stones with white cement (in any size, color and pattern)	m <sup>2</sup>	51,94
15.435.1002	Flooring with 8-cm-high steam-cured concrete paving stones with white cement (in any size, color and pattern)	m <sup>2</sup>	53,90
15.435.1003	Flooring with 10-cm-high steam-cured concrete paving stones with white cement (in any size, color and pattern)	m <sup>2</sup>	55,88
15.435.1004	Flooring with 6-cm-high steam-cured concrete paving stones with regular cement (in any size, color and pattern)	m <sup>2</sup>	49,96

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.435.1005	Flooring with 8-cm-high steam-cured concrete paving stones with regular cement (in any size, color and pattern)	m <sup>2</sup>	51,94
15.435.1006	Flooring with 10-cm-high steam-cured concrete paving stones with regular cement (in any size, color and pattern)	m <sup>2</sup>	53,90
	<b>Supply and laying of concrete lawn blocks</b>		
15.435.1101	Flooring with 8-cm-high steam-cured concrete lawn blocks with white cement (in any size, color and pattern)	m <sup>2</sup>	59,81
15.435.1102	Flooring with 10-cm-high steam-cured concrete lawn blocks with white cement (in any size, color and pattern)	m <sup>2</sup>	63,09
15.435.1103	Flooring with 8-cm-high steam-cured concrete lawn blocks with regular cement (in any size, color and pattern)	m <sup>2</sup>	57,84
15.435.1104	Flooring with 10-cm-high steam-cured concrete lawn blocks with regular cement (in any size, color and pattern)	m <sup>2</sup>	61,13
	<b>Supply and laying of kerbs</b>		
15.435.1201	Laying of steam-cured concrete kerbs with white cement and sized 50 x 20 x 10 cm (chamfered, in any color)	m	23,68
15.435.1202	Laying of steam-cured concrete kerbs with white cement and sized 75 x 30 x 15 cm (chamfered, in any color)	m	25,51
15.435.1203	Laying of steam-cured concrete kerbs with regular cement and sized 50 x 20 x 10 cm (chamfered, in any color)	m	21,71
15.435.1204	Laying of steam-cured concrete kerbs with regular cement and sized 75 x 30 x 15 cm ( chamfered, in any color)	m	23,68
15.435.1205	Supply and laying of andesite kerbs sized 10 x 15 x 50 cm	m	55,18
15.435.1206	Supply and laying of andesite kerbs sized 10 x 20 x 50 cm	m	60,69
15.435.1207	Supply and laying of andesite kerbs sized 10 x 20 x 70 cm	m	60,46
	<b>Supply and laying of gutter stones</b>		
15.435.1301	Laying of steam-cured concrete gutter stones with white cement and sized 30 x 10 x free dimension cm (in any color)	m	29,39
15.435.1302	Laying of steam-cured concrete gutter stones with regular cement and sized 30 x 10 x free dimension cm (in any color)	m	27,51
15.435.1303	Laying of andesite gutter stones sized 50 x 20 cm	m	70,40
	<b>Supply and laying of natural paving stones</b>		
15.435.7001	Flooring with natural andesite paving stones (10 x 10 cm) (for roads, squares, parks, pavements and similar other areas)	m <sup>2</sup>	64,46
15.435.7002	Flooring with natural granite paving stones (10 x 10 cm) (for roads, squares, parks, pavements and similar other areas)	m <sup>2</sup>	69,59
15.435.7003	Flooring with natural basalt paving stones (10 x 10 cm) (for roads, squares, parks, pavements and similar other areas)	m <sup>2</sup>	84,71

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>EXPANSION WORKS FOR FLOORING, WALLS AND FACADES</b>		
15.440.1001	Making expansion joints with anodized aluminum covering profiles with 120 mm width and 1.3 mm wall thickness on walls, ceilings and facades (For 50-mm-wide expansions)	m	31,74
15.440.1002	Making expansion joints (with rubber gaskets, min. 1.5 mm. aluminum wall thickness, +/- 4 mm moving capacity, 13 mm profile height, and 45 mm wing width) on ceilings and walls with expansion profiles on the coating (For 50-mm-wide expansions)	m	41,83
15.440.1003	Making expansion joints with anodized aluminum covering profiles with 120 mm width and 2.2 mm wall thickness on flooring (For 50-mm-wide expansions) (resistant to pedestrian loads)	m	40,26
15.440.1004	Making expansion joints (with rubber gaskets, min. 2 mm aluminum wall thickness, +/- 4 mm moving capacity, 35 mm profile height, and 45 mm wing width) on floors with expansion profiles under the coating (For 50-mm-wide expansions) (resistant to pedestrian loads)	m	70,06
15.440.1005	Making expansion joints (with strip gaskets made of rubber and aluminum, min. 2.5 mm aluminum wall thickness, +/- 4 mm moving capacity, 40 mm profile height, and 45 mm wing width, the area between the supports where the gasket is placed reinforced with additional elements) on floors with expansion profiles under the coating (For 50-mm-wide expansions) (resistant to pedestrian loads)	m	110,75
15.440.1006	Making expansion joints (with rubber gaskets, min. 1.5 mm aluminum wall thickness, +/- 4 mm moving capacity, 15 mm profile height, and 45 mm wing width) on floors with expansion profiles on the coating (For 50-mm-wide expansions) (resistant to pedestrian loads)	m	60,79
15.440.1007	Making expansion joints (with strip gaskets made of rubber and aluminum, min. 2 mm aluminum wall thickness, +/- 4 mm moving capacity, 20 mm profile height, and 45 mm wing width, the area between the supports where the gasket is placed reinforced with additional elements) on floors with expansion profiles on the coating (For 50-mm-wide expansions) (resistant to pedestrian loads)	m	69,98
15.440.1008	Water insulation for expansions using 30-cm-wide and min. 1-mm thickness expansion insulation tapes.	m	57,08
	<b>GLASS, CERAMIC, NATURAL STONE AND MOSAIC PANELING</b>		
15.445.1001	Wall and facade paneling with meshed glass mosaics (aligned on mesh) in any color, size, shape and pattern	m <sup>2</sup>	94,90
15.445.1002	Wall and facade paneling with meshed ceramic mosaics (glazed/non-glazed porcelain) (aligned on mesh) in any color, size, shape and pattern	m <sup>2</sup>	120,65
15.445.1003	Jointless wall and facade paneling with meshed natural stone mosaics (aligned on mesh) in any color, size, shape and pattern (jointless - blasted surface)	m <sup>2</sup>	159,15
15.445.1004	Jointed wall and facade paneling with meshed natural stone mosaics (aligned on mesh) in any color, size, shape and pattern (jointed - plain surface)	m <sup>2</sup>	191,46
	<b>MOSAIC WINDOWSILLS, PARAPETS AND COPING TILES</b>		
15.450.1001	Building mosaic windowsills (with regular cement)	m <sup>2</sup>	300,59
15.450.1002	Building mosaic windowsills (with white cement)	m <sup>2</sup>	304,78
15.450.1003	Building mosaic parapets (with regular cement)	m <sup>2</sup>	298,23
15.450.1004	Building mosaic parapets (with white cement)	m <sup>2</sup>	301,71

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.450.1005	Building mosaic-lined concrete coping tiles on masonry walls of any width (with regular cement)	m <sup>2</sup>	220,55
15.450.1006	Building mosaic-lined concrete coping tiles on masonry walls of any width (with white cement)	m <sup>2</sup>	224,04
	<b>PVC JOINERY</b>		
15.455.1001	Production and installation of plastic joinery (Any kind of door, window, paneling and similar other applications of hard PVC joinery profiles) Note: All main and additional profiles should be marked along the profile length at min. 1-meter intervals on spots that are not visible when the window is closed. Marking of the main and additional profiles should contain the following minimum information. - The name or trademark of the manufacturer, - The marking and number of this standard (in the form of TS EN 12608-1), - Wall thickness class, - Production code (e.g. date, etc.) to ensure traceability	Kg	15,41
	<b>ALUMINUM JOINERY</b>		
15.460.1001	Production and installation of natural-matte and anodized aluminum joinery profiles without thermal insulation	Kg	36,64
15.460.1002	Production and installation of natural-glossy or sandblasted, satin and anodized aluminum joinery without thermal insulation	Kg	37,16
15.460.1003	Production and installation of colored-matte anodized aluminum joinery without thermal insulation	Kg	37,44
15.460.1004	Production and installation of colored-glossy or sandblasted, satin and anodized aluminum joinery without thermal insulation	Kg	37,84
15.460.1005	Production and installation of electrostatic powder-coated aluminum joinery without thermal insulation	Kg	37,98
15.460.1006	Production and installation of natural-matte and anodized aluminum joinery with thermal insulation	Kg	38,78
15.460.1007	Production and installation of natural-glossy or sandblasted and anodized aluminum joinery with thermal insulation	Kg	39,44
15.460.1008	Production and installation of colored-matte and anodized aluminum joinery with thermal insulation	Kg	39,71
15.460.1009	Production and installation of colored-glossy, sandblasted and anodized aluminum joinery with thermal insulation	Kg	39,84
15.460.1010	Production and installation of electrostatic powder-coated aluminum joinery with thermal insulation	Kg	40,38
	<b>METAL JOINERY HARDWARE</b>		
	<b>Unit Price of Metal Hardware for Doors (Wood, Metal, Plastic)</b>		
15.465.1001	Installation of mortise interior door locks (Wide Type)	Qty	17,25
15.465.1002	Installation of mortise interior door locks (Narrow Type)	Qty	17,25
15.465.1003	Installation of mortise roller interior door locks (Wide and Narrow Type)	Qty	27,63
15.465.1004	Installation of cylinder mortise interior and exterior door locks (Wide and Narrow Type)	Qty	45,50
15.465.1005	Installation of cylinder, roller, mortise interior and exterior door locks (Wide and Narrow Type)	Qty	45,50

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.465.1006	Installation of cylinder, roller, mortise interior and exterior door locks (Narrow Type)	Qty	45,50
15.465.1007	Installation of ground cylinder exterior door locks	Qty	50,38
15.465.1008	Installation of door handles and panels (Chrome-plated)	Qty	17,88
15.465.1009	Installation of rubber seal plugs	Qty	3,09
15.465.1010	Installation of hinges	Qty	2,93
15.465.1011	Installation of spring hinges	Qty	28,44
15.465.1012	Installation of door bolts (Vertical securing set)	Qty	3,75
15.465.1013	Installation of stops (Nickel-plated)	Qty	14,00
	<b>Unit Price of Metal Hardware for Windows (Wood, Metal, Plastic)</b>		
15.465.1101	Installation of window bar hardware (Handle, grill and other components)	Qty	19,50
15.465.1102	Installation of transom window hardware (Simple folding mechanism)	Qty	6,50
15.465.1103	Installation of transom window hardware (Steel folding mechanism, chrome-plated handle)	Qty	16,25
15.465.1104	Installation of the latch (window bar handle and cam) yellow brass screw with insert nut	Qty	9,75
15.465.1105	Installation of door bolts	Qty	3,25
15.465.1106	Installation of rubber seal plugs	Qty	3,58
15.465.1107	Installation of spring-loaded securing latches	Qty	4,55
15.465.1108	Installation of counterweight sets (Together with cast, wire, yellow pulley, knit, wire sockets)	Kg	4,55
15.465.1109	Installation of sliding window handles	Qty	13,81
15.465.1110	Installation of clutch window bar hardware (80 cm, including handle) (2 clutches) (for wood)	Qty	13,81
15.465.1111	Installation of clutch window bar hardware (100 cm, including handle) (3 clutches) (for wood)	Qty	16,25
15.465.1112	Installation of clutch window bar hardware (120 cm, including handle) (3 clutches) (for wood)	Qty	19,50
15.465.1113	Installation of clutch window bar hardware (140 cm, including handle) (3 clutches) (for wood)	Qty	19,50
15.465.1114	Installation of clutch window bar hardware (160 cm, including handle) (3 clutches) (for wood)	Qty	21,13
15.465.1115	Installation of clutch window bar hardware (180 cm, including handle) (4 clutches) (for wood)	Qty	22,75
15.465.1116	Installation of hinges	Qty	3,58
15.465.1117	Installation of continuous hinges	m	5,53
15.465.1118	Installation of plastic-coated, adjustable hinges (pair)	Qty	13,81
	<b>Unit Price of Metal Hardware for Windows (Wood, Metal, Plastic) (Subject to written approval of the administration.)</b>		
15.465.1201	Installation of window bar hardware (including handle), two-clutches, up to 100 cm	Qty	48,75
15.465.1202	Installation of window bar hardware (including handle), 3-clutches, up to 180 cm	Qty	60,00
15.465.1203	Installation of window bar hardware (including handle), 4-clutches, larger than 180 cm	Qty	60,00
15.465.1204	Installation of transom window bar hardware (including handle and folding mechanism)	Qty	48,75

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>INSTALLATION OF DOUBLE-GLAZED WINDOW UNITS ON WOOD, PVC and ALUMINUM JOINERY</b>		
15.470.1001	Installation of double-glazed window units with 3+3 mm thickness and 12 mm middle gap on wood joinery with glazing bead	m <sup>2</sup>	120,65
15.470.1002	Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap, on wood joinery with glazing bead	m <sup>2</sup>	133,78
15.470.1003	Installation of double-glazed window units with 5+5 mm thickness and 12 mm middle gap, on wood joinery with glazing bead	m <sup>2</sup>	152,15
15.470.1004	Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap, on wood joinery with glazing bead	m <sup>2</sup>	163,96
15.470.1005	Installation of double-glazed window units with 3+3 mm thickness and 16 mm middle gap, on wood joinery with glazing bead	m <sup>2</sup>	136,40
15.470.1006	Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap, on wood joinery with glazing bead	m <sup>2</sup>	148,21
15.470.1007	Installation of double-glazed window units with 5+5 mm thickness and 16 mm middle gap, on wood joinery with glazing bead	m <sup>2</sup>	166,59
15.470.1008	Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap, on wood joinery with glazing bead	m <sup>2</sup>	179,71
15.470.1009	Installation of double-glazed window units with 3+3 mm thickness and 12 mm middle gap on PVC and aluminum joinery with glazing profiles	m <sup>2</sup>	98,58
15.470.1010	Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap on PVC and aluminum joinery with glazing profiles	m <sup>2</sup>	111,70
15.470.1011	Installation of double-glazed window units with 5+5 mm thickness and 12 mm middle gap on PVC and aluminum joinery with glazing profiles	m <sup>2</sup>	130,08
15.470.1012	Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap on PVC and aluminum joinery with glazing profiles	m <sup>2</sup>	141,89
15.470.1013	Installation of double-glazed window units with 3+3 mm thickness and 16 mm middle gap on PVC and aluminum joinery with glazing profiles	m <sup>2</sup>	114,33
15.470.1014	Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap on PVC and aluminum joinery with glazing profiles	m <sup>2</sup>	126,14
15.470.1015	Installation of double-glazed window units with 5+5 mm thickness and 16 mm middle gap on PVC and aluminum joinery with glazing profiles	m <sup>2</sup>	144,51
15.470.1016	Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap on PVC and aluminum joinery with glazing profiles	m <sup>2</sup>	157,64
	<b>INSTALLATION OF DOUBLE-GLAZED WINDOW UNITS (with thermal control coating) ON WOOD, PVC and ALUMINUM JOINERY</b>		
15.470.1201	Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	149,53
15.470.1202	Installation of double-glazed window units with 4+5 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	161,34
15.470.1203	Installation of double-glazed window units with 4+6 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	163,96
15.470.1204	Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	182,34
15.470.1205	Installation of double-glazed window units with 6+4 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	163,96
15.470.1206	Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	152,15



**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.470.1207	Installation of double-glazed window units with 4+5 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	161,34
15.470.1208	Installation of double-glazed window units with 4+6 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	170,53
15.470.1209	Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	186,28
15.470.1210	Installation of double-glazed window units with 6+4 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	170,53
15.470.1211	Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	127,45
15.470.1212	Installation of double-glazed window units with 4+5 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	139,26
15.470.1213	Installation of double-glazed window units with 4+6 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	141,89
15.470.1214	Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	160,26
15.470.1215	Installation of double-glazed window units with 6+4 mm thickness and 12 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	141,89
15.470.1216	Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	130,08
15.470.1217	Installation of double-glazed window units with 4+5 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	139,26
15.470.1218	Installation of double-glazed window units with 4+6 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	148,45
15.470.1219	Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	164,20
15.470.1220	Installation of double-glazed window units with 6+4 mm thickness and 16 mm middle gap, the first pane with thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	148,45
	<b>INSTALLATION OF DOUBLE-GLAZED WINDOW UNITS (WITH SOLAR AND THERMAL CONTROL COATING) ON WOOD, PVC and ALUMINUM JOINERY</b>		
15.470.1401	Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	167,90
15.470.1402	Installation of double-glazed window units with 4+5 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	177,09
15.470.1403	Installation of double-glazed window units with 4+6 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	179,71
15.470.1404	Installation of double-glazed window units with 6+4 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	179,71

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.470.1405	Installation of double-glazed window units with 6+5 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	190,21
15.470.1406	Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	199,40
15.470.1407	Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	173,15
15.470.1408	Installation of double-glazed window units with 4+5 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	192,84
15.470.1409	Installation of double-glazed window units with 4+6 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	187,59
15.470.1410	Installation of double-glazed window units with 6+4 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	187,59
15.470.1411	Installation of double-glazed window units with 6+5 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	199,40
15.470.1412	Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on wood joinery with glazing bead	m <sup>2</sup>	205,96
15.470.1413	Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	145,83
15.470.1414	Installation of double-glazed window units with 4+5 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	155,01
15.470.1415	Installation of double-glazed window units with 4+6 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	157,64
15.470.1416	Installation of double-glazed window units with 6+4 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	157,64
15.470.1417	Installation of double-glazed window units with 6+5 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	168,14
15.470.1418	Installation of double-glazed window units with 6+6 mm thickness and 12 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	177,33
15.470.1419	Installation of double-glazed window units with 4+4 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	151,08
15.470.1420	Installation of double-glazed window units with 4+5 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	170,76
15.470.1421	Installation of double-glazed window units with 4+6 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	165,51
15.470.1422	Installation of double-glazed window units with 6+4 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	165,51
15.470.1423	Installation of double-glazed window units with 6+5 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	177,33

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.470.1424	Installation of double-glazed window units with 6+6 mm thickness and 16 mm middle gap, the first pane with solar and thermal control coating, on PVC and aluminum joinery with glazing profile	m <sup>2</sup>	183,89
	<b>WOODEN FLOORING</b>		
15.475.1001	Square timber flooring	m <sup>2</sup>	117,19
15.475.1002	Wooden flooring on existing square timber	m <sup>2</sup>	98,35
	<b>HARDWOOD PARQUET</b>		
15.480.1001	First class oak floor paneling with 15 to 16-mm thickness square timber on concrete	m <sup>2</sup>	204,81
15.480.1002	15 to 16-mm thickness first class oak floor paneling by adhesive bonding on concrete	m <sup>2</sup>	164,75
	<b>LAMINATE FLOORING</b>		
15.485.1001	Laminate flooring (including baseboard)	m <sup>2</sup>	165,39
	<b>LAMINATE FLOORING</b>		
15.490.1001	Laminate flooring (AC1 Class 21) (including baseboard)	m <sup>2</sup>	40,34
15.490.1002	Laminate flooring (AC3 Class 23-31) (including baseboard)	m <sup>2</sup>	43,06
15.490.1003	Laminate flooring (AC4 Class 32) (including baseboard)	m <sup>2</sup>	49,96
	<b>WOODEN BASEBOARD</b>		
15.495.1001	Production and installation of wooden baseboard	m	14,03
	<b>WOODEN HANDRAILS</b>		
15.500.1001	Production and installation of straight handrails for staircase	m	75,45
15.500.1002	Production and installation of curved handrails for staircase	m	147,98
	<b>WOODEN WAINSCOT</b>		
15.505.1001	Wooden wainscoting	m <sup>2</sup>	298,61
	<b>WOODEN DOOR FRAME AND DOOR CASING</b>		
15.510.1001	Production and installation of solid wood panel interior door frame and casing	m <sup>2</sup>	168,05
15.510.1002	Production and installation of solid wood panel exterior door frame and casing	m <sup>2</sup>	238,06
	<b>WOODEN DOOR LEAF</b>		
15.510.1101	Production and installation of solid wood panel interior door leaves	m <sup>2</sup>	155,13
15.510.1102	Production and installation of solid wood panel exterior door leaves	m <sup>2</sup>	214,75
15.510.1103	Production and installation of interior door leaves with both surfaces made of pressed wood fiber boards, and with laminate paneling and craft filling	m <sup>2</sup>	222,34
15.510.1104	Production and installation of interior door leaves with both surfaces made of pressed wood fiber boards, and with laminate paneling and perforated particle board filling	m <sup>2</sup>	204,55
15.510.1105	Production and installation of wooden interior swinging door leaves with glass	m <sup>2</sup>	144,43
	<b>QUILTING</b>		
15.510.9991	Faux leather quilt lining of the existing doors	m <sup>2</sup>	160,19
	<b>WOODEN WINDOW</b>		
15.515.1001	Production and installation of single-surface windows with wooden frame and casing	m <sup>2</sup>	186,70

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>WOODEN DISPLAY WINDOW</b>		
15.515.1101	Production and installation of wooden interior display window	m <sup>2</sup>	134,28
	<b>TYPICAL WOOD CLOSETS</b>		
15.520.1001	Production and installation of typical flush-mounted wood closets (2.50x1.80)=4.50 m <sup>2</sup>	m <sup>2</sup>	326,23
15.520.1002	Production and installation of typical wooden kitchen under-counter cabinets (1.68 x 0.85) = 1.43 m <sup>2</sup>	m <sup>2</sup>	608,65
15.520.1003	Production and installation of typical wooden kitchen over-counter cabinets (3.04 x 0.80) =2.46 m <sup>2</sup>	m <sup>2</sup>	477,13
	<b>BUG SCREEN</b>		
15.525.1001	Production and installation of (detachable) bug screens made of plastic wire with wooden frame	m <sup>2</sup>	90,39
15.525.1002	Production and installation of (detachable) bug screens made of plastic wire with aluminum frame	m <sup>2</sup>	74,49
15.525.1003	Production and installation of (detachable) bug screens made of plastic wire with PVC frame	m <sup>2</sup>	67,28
	<b>PARTITION WALLS WITH GYPSUM BOARDS</b>		
15.530.1001	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	77,50
15.530.1002	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	89,68
15.530.1003	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	92,56
15.530.1004	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	107,00
15.530.1005	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) on both surfaces of the partition wall (12.5 mm + 12.5 mm) with double-layer gypsum wall board	m <sup>2</sup>	94,65
15.530.1006	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) on both surfaces of the partition wall (12.5 mm + 12.5 mm) with double-layer gypsum wall board	m <sup>2</sup>	106,88
15.530.1007	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) on both surfaces of the partition wall, with (12.5 mm + 12.5 mm) double layer gypsum wall board	m <sup>2</sup>	113,14
15.530.1008	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) on both surfaces of the partition wall, with (12.5 mm + 12.5 mm) double layer gypsum wall board	m <sup>2</sup>	127,63
15.530.1009	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	87,83

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.530.1010	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	99,98
15.530.1011	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	102,89
15.530.1012	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	117,33
15.530.1013	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall)	m <sup>2</sup>	104,98
15.530.1014	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall)	m <sup>2</sup>	117,18
15.530.1015	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall)	m <sup>2</sup>	123,46
15.530.1016	Building single-frame partition walls made of gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall)	m <sup>2</sup>	139,68
15.530.1017	Building double-frame high partition walls (>= 4.5 m) made of gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (on both surfaces of the partition wall (12.5 mm + 12.5 mm) with double-layer gypsum wall board)	m <sup>2</sup>	116,89
15.530.1018	Building double-frame high partition walls (>= 4.5 m) made of gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (on both surfaces of the partition wall, with (12.5 mm + 12.5 mm) double layer gypsum wall board)	m <sup>2</sup>	147,71
15.530.1019	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	82,35
15.530.1020	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	94,53
15.530.1021	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	97,41
15.530.1022	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	111,85

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.530.1023	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (with 12.5 mm + 12.5 mm double layer gypsum wall board)	m <sup>2</sup>	104,36
15.530.1024	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (with 12.5 mm + 12.5 mm double layer gypsum wall board)	m <sup>2</sup>	116,59
15.530.1025	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (with 12.5 mm + 12.5 mm double layer gypsum wall board)	m <sup>2</sup>	122,85
15.530.1026	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (with 12.5 mm + 12.5 mm double layer gypsum wall board)	m <sup>2</sup>	137,34
15.530.1027	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	95,11
15.530.1028	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	107,26
15.530.1029	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	110,18
15.530.1030	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	124,61
15.530.1031	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall)	m <sup>2</sup>	117,13
15.530.1032	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall)	m <sup>2</sup>	129,33
15.530.1033	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the wall)	m <sup>2</sup>	135,61
15.530.1034	Building single-frame partition walls made of water-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (With wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall)	m <sup>2</sup>	151,83

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.530.1035	Building double-frame high partition walls ( $\geq 4.5$ m) made of water-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (on both surfaces of the partition wall (12.5 mm + 12.5 mm) with double-layer gypsum wall board)	m <sup>2</sup>	126,60
15.530.1036	Building double-frame high partition walls ( $\geq 4.5$ m) made of water-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (on both surfaces of the partition wall, with (12.5 mm + 12.5 mm) double layer gypsum wall board)	m <sup>2</sup>	157,43
15.530.1037	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (Application of 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	82,88
15.530.1038	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (Application of 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	95,05
15.530.1039	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	97,94
15.530.1040	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (Application of 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	112,38
15.530.1041	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (on both surfaces of the partition wall (12.5 mm + 12.5 mm) with double-layer gypsum wall board)	m <sup>2</sup>	105,41
15.530.1042	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (on both surfaces of the partition wall (12.5 mm + 12.5 mm) with double-layer gypsum wall board)	m <sup>2</sup>	117,64
15.530.1043	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (on both surfaces of the partition wall, with (12.5 mm + 12.5 mm) double layer gypsum wall board)	m <sup>2</sup>	123,90
15.530.1044	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (on both surfaces of the partition wall, with (12.5 mm + 12.5 mm) double layer gypsum wall board)	m <sup>2</sup>	138,39
15.530.1045	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	95,90
15.530.1046	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	108,05
15.530.1047	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	110,96
15.530.1048	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	125,40

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.530.1049	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall	m <sup>2</sup>	118,44
15.530.1050	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall	m <sup>2</sup>	130,64
15.530.1051	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall	m <sup>2</sup>	136,93
15.530.1052	Building single-frame partition walls made of fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall	m <sup>2</sup>	153,14
15.530.1053	Building double-frame high partition walls (>= 4.5 m) made of fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (on both surfaces of the partition wall (12.5 mm + 12.5 mm) with double-layer gypsum wall board)	m <sup>2</sup>	127,65
15.530.1054	Building double-frame high partition walls (>= 4.5 m) made of fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (on both surfaces of the partition wall, with (12.5 mm + 12.5 mm) double layer gypsum wall board)	m <sup>2</sup>	158,48
15.530.1055	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	86,81
15.530.1056	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	98,99
15.530.1057	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	101,88
15.530.1058	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	116,31
15.530.1059	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (on both surfaces of the partition wall, with (12.5 mm + 12.5 mm) double layer gypsum wall board)	m <sup>2</sup>	113,29
15.530.1060	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (on both surfaces of the partition wall (12.5 mm + 12.5 mm) with double-layer gypsum wall board)	m <sup>2</sup>	125,51



**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.530.1061	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (on both surfaces of the partition wall, with (12.5 mm + 12.5 mm) double layer gypsum wall board)	m <sup>2</sup>	131,78
15.530.1062	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (on both surfaces of the partition wall, with (12.5 mm + 12.5 mm) double layer gypsum wall board)	m <sup>2</sup>	146,26
15.530.1063	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	101,80
15.530.1064	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	113,95
15.530.1065	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	116,86
15.530.1066	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) (With gypsum wall board in two layers on one side (12.5 mm + 12.5 mm) and single layer on the other side (12.5 mm) of the partition wall)	m <sup>2</sup>	131,30
15.530.1067	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall	m <sup>2</sup>	128,28
15.530.1068	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 40 cm axle spacing) With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall	m <sup>2</sup>	140,48
15.530.1069	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall	m <sup>2</sup>	146,76
15.530.1070	Building single-frame partition walls made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 40 cm axle spacing) With gypsum wall board in three layers on one side (12.5 mm + 12.5 mm + 12.5 mm) and two layers on the other side (12.5 mm + 12.5 mm) of the partition wall	m <sup>2</sup>	162,98

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.530.1071	Building double-frame high partition walls ( $\geq 4.5$ m) made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Single profile - 60 cm axle spacing) (on both surfaces of the partition wall (12.5 mm + 12.5 mm) with double-layer gypsum wall board)	m <sup>2</sup>	135,53
15.530.1072	Building double-frame high partition walls ( $\geq 4.5$ m) made of water- and fire-resistant gypsum wall boards and filled with rock wool panels (Double profile - 60 cm axle spacing) (on both surfaces of the partition wall, with (12.5 mm + 12.5 mm) double layer gypsum wall board)	m <sup>2</sup>	166,35
	<b>WALL CLADDING WITH GYPSUM BOARDS</b>		
15.530.1101	Wall cladding by gluing gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	49,35
15.530.1102	Wall cladding with metal frame using gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	44,53
15.530.1103	Wall cladding with metal frame using gypsum wall boards (with 12.5-mm double layer gypsum wall board)	m <sup>2</sup>	56,56
15.530.1104	Wall cladding with metal frame using gypsum wall boards (With wall profiles) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	53,29
15.530.1105	Wall cladding with metal frame using gypsum wall boards (With wall profiles) (with 12.5-mm double layer gypsum wall board)	m <sup>2</sup>	65,33
15.530.1106	Wall cladding by gluing water-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	51,79
15.530.1107	Wall cladding with metal frame using water-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	46,96
15.530.1108	Wall cladding with metal frame using water-resistant gypsum wall boards (with 12.5-mm double layer gypsum wall board)	m <sup>2</sup>	61,41
15.530.1109	Building metal-frame clad walls with water-resistant gypsum wall boards (with wall profiles) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	55,73
15.530.1110	Wall cladding with metal frame using water-resistant gypsum wall boards (With wall profiles) (with 12.5-mm double layer gypsum wall board)	m <sup>2</sup>	70,18
15.530.1111	Wall cladding by gluing fire-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	52,05
15.530.1112	Wall cladding with metal frame using fire-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	47,23
15.530.1113	Wall cladding with metal frame using fire-resistant gypsum wall boards (with 12.5-mm double layer gypsum wall board)	m <sup>2</sup>	61,94
15.530.1114	Wall cladding with metal frame using fire-resistant gypsum wall boards (With wall profiles) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	55,99
15.530.1115	Wall cladding with metal frame using fire-resistant gypsum wall boards (With wall profiles) (with 12.5-mm double layer gypsum wall board)	m <sup>2</sup>	70,70
15.530.1116	Wall cladding by gluing water- and fire-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	54,01

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.530.1117	Wall cladding with metal frame using water- and fire-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	49,19
15.530.1118	Wall cladding with metal frame using water- and fire-resistant gypsum wall boards (with 12.5-mm double layer gypsum wall board)	m <sup>2</sup>	65,88
15.530.1119	Wall cladding with metal frame using water- and fire-resistant gypsum wall boards (With wall profiles) (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	57,95
15.530.1120	Wall cladding with metal frame using water- and fire-resistant gypsum wall boards (With wall profiles) (with 12.5-mm double layer gypsum wall board)	m <sup>2</sup>	74,64
	<b>SUSPENDED CEILING WITH GYPSUM BOARDS</b>		
15.530.1131	Building double-frame suspended ceilings with suspension system, using gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	75,11
15.530.1132	Building single-frame suspended ceilings with U-nails, using gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	71,00
15.530.1133	Building double-frame suspended ceilings with suspension system, using water-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	77,55
15.530.1134	Building single-frame suspended ceilings with U-nails, using water-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	73,44
15.530.1135	Building double-frame suspended ceilings with suspension system, using fire-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	77,81
15.530.1136	Building single-frame suspended ceilings with U-nails, using fire-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	73,70
15.530.1137	Building double-frame suspended ceilings with suspension system, using water- and fire-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	79,78
15.530.1138	Building single-frame suspended ceilings with U-nails, using water- and fire-resistant gypsum wall boards (with 12.5-mm single layer gypsum wall board)	m <sup>2</sup>	75,66
	<b>METAL AND PVC SUSPENDED CEILING</b>		
15.535.1001	Making lay-on ceiling systems made of 60 x 60 cm, 0.70-mm thickness, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	85,95
15.535.1002	Making lay-on ceiling systems made of 60 x 60 cm, 0.70-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	88,58
15.535.1003	Making lay-on ceiling systems made of 60 x 60 cm, 0.70-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side	m <sup>2</sup>	96,45
15.535.1004	Making lay-on ceiling systems made of 30 x 30 cm, 0.50-mm thickness, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	117,26

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.535.1005	Making lay-on ceiling systems made of 30 x 30 cm, 0.70-mm thickness, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	119,89
15.535.1006	Making lay-on ceiling systems made of 30 x 30 cm, 0.50-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	118,58
15.535.1007	Making lay-on ceiling systems made of 30 x 30 cm, 0.70-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	119,89
15.535.1008	Making lay-on ceiling systems made of 30 x 30 cm, 0.50-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side	m <sup>2</sup>	119,89
15.535.1009	Making lay-on ceiling systems made of 30 x 30 cm, 0.70-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side	m <sup>2</sup>	122,51
15.535.1010	Making lay-on ceiling systems made of 60 x 60-cm, 0.50-mm thickness hot-dip galvanized, unperforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	82,01
15.535.1011	Making lay-on ceiling systems made of 60 x 60-cm, 0.50-mm thickness hot-dip galvanized, perforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	84,64
15.535.1012	Making lay-on ceiling systems made of 60 x 60-cm, 0.50-mm thickness hot-dip galvanized, perforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side	m <sup>2</sup>	85,95
15.535.1013	Making lay-in ceiling systems made of 60 x 60 cm, 0.70-mm thickness, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	86,78
15.535.1014	Making lay-in ceiling systems made of 60 x 60 cm, 0.70-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	89,40
15.535.1015	Making lay-in ceiling systems made of 60 x 60 cm, 0.70-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side	m <sup>2</sup>	94,65
15.535.1016	Making lay-in ceiling systems made of 30 x 30 cm, 0.50-mm thickness, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	118,09
15.535.1017	Making lay-in ceiling systems made of 30 x 30 cm, 0.70-mm thickness, unperforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	119,40
15.535.1018	Making lay-in ceiling systems made of 30 x 30 cm, 0.50-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	118,09
15.535.1019	Making lay-in ceiling systems made of 30 x 30 cm, 0.70-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	120,71

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.535.1020	Making lay-in ceiling systems made of 30 x 30 cm, 0.50-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side	m <sup>2</sup>	123,34
15.535.1021	Making lay-in ceiling systems made of 30 x 30 cm, 0.70-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side	m <sup>2</sup>	123,34
15.535.1022	Making lay-in ceiling systems made of 60 x 60-cm, 0.50-mm thickness hot-dip galvanized, unperforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	77,59
15.535.1023	Making lay-in ceiling systems made of 60 x 60-cm, 0.50-mm thickness hot-dip galvanized, perforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	81,53
15.535.1024	Making lay-in ceiling systems made of 60 x 60-cm, 0.50-mm thickness hot-dip galvanized, perforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side	m <sup>2</sup>	86,78
15.535.1025	Making clip-in ceiling systems made of 60 x 60-cm, 0.70-mm thickness unperforated aluminum sheets (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	97,18
15.535.1026	Making clip-in ceiling systems made of 60 x 60-cm, 0.70-mm thickness perforated aluminum sheets (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	102,43
15.535.1027	Making clip-in ceiling systems made of 60 x 60 cm, 0.70-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side	m <sup>2</sup>	110,30
15.535.1028	Making clip-in ceiling systems made of 30 x 30-cm, 0.50-mm thickness unperforated aluminum sheets (EN AW 3000 series) coated with 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	114,88
15.535.1029	Making clip-in ceiling systems made of 30 x 30-cm, 0.70-mm thickness unperforated aluminum sheets (EN AW 3000 series) coated with 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	122,75
15.535.1030	Making clip-in ceiling systems made of 30 x 30-cm, 0.50-mm thickness perforated aluminum sheets (EN AW 3000 series) coated with 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	116,19
15.535.1031	Making clip-in ceiling systems made of 30 x 30-cm, 0.70-mm thickness perforated aluminum sheets (EN AW 3000 series) coated with 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	125,38
15.535.1032	Making clip-in ceiling systems made of 30 x 30 cm, 0.50-mm thickness, perforated aluminum sheet (EN AW 3000 series) coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side	m <sup>2</sup>	117,50
15.535.1033	Making clip-in ceiling systems made of 60 x 60-cm, 0.50-mm thickness unperforated hot-dip galvanized metal sheets coated with 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	84,85
15.535.1034	Making clip-in ceiling systems made of 60 x 60-cm, 0.50-mm thickness perforated hot-dip galvanized metal sheets coated with 20-micron (polyester-based) electrostatic powder paint	m <sup>2</sup>	86,16

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.535.1035	Making clip-in ceiling systems made of 60 x 60-cm, 0.50-mm thickness hot-dip galvanized, perforated metal sheets coated with min. 20-micron (polyester-based) electrostatic powder paint and lined with acoustic fabric on the back side	m <sup>2</sup>	91,41
15.535.1036	Making suspended ceiling with 15-mm grid covers using 85-mm-wide, 0.70-mm thickness aluminum grids coated with roller-applied, 20-micron polyester-based paint	m <sup>2</sup>	89,54
15.535.1037	Making suspended ceiling with 20-mm grid covers using 85-mm-wide, 0.70-mm thickness perforated aluminum grids coated with roller-applied, 20-micron polyester-based paint	m <sup>2</sup>	98,54
15.535.1038	Making suspended ceiling with 20-mm grid covers using 100-mm-wide, 0.70-mm thickness aluminum grids coated with roller-applied, 20-micron polyester-based paint	m <sup>2</sup>	83,21
15.535.1039	Making suspended ceiling with 20-mm grid covers using 100-mm-wide, 0.70-mm thickness perforated aluminum grids coated with roller-applied, 20-micron polyester-based paint	m <sup>2</sup>	91,91
15.535.1051	Construction of a hard PVC suspended ceiling sized 60 x 60 cm and in any color and pattern	m <sup>2</sup>	58,39
	<b>PAINTS</b>		
	<b>Wooden surfaces</b>		
15.540.1001	One layer of synthetic coating on wooden surfaces	m <sup>2</sup>	29,38
15.540.1002	Two layers of synthetic coating on wooden surfaces	m <sup>2</sup>	36,00
15.540.1003	Two layers of synthetic coating with water-based paint on wooden surfaces (except wooden doors, windows, display windows, etc.)	m <sup>2</sup>	33,81
15.540.1004	Varnishing of wooden surfaces	m <sup>2</sup>	26,70
15.540.1005	Varnishing of wooden surfaces with wood preservative containing varnish	m <sup>2</sup>	21,85
15.540.1006	Preservation of wooden surfaces with colored wooden protectives	m <sup>2</sup>	17,01
15.540.1007	Polishing of any wooden parquet flooring	m <sup>2</sup>	42,09
	<b>Iron-metal surfaces</b>		
15.540.1101	Two layer coating of iron surfaces against corrosion	m <sup>2</sup>	16,59
15.540.1102	Two layers of anti-rust and two layers of synthetic coating on iron surfaces	m <sup>2</sup>	27,88
15.540.1103	Two layers of solvent-based epoxy coating of iron surfaces	m <sup>2</sup>	32,88
	<b>Interior wall paint</b>		
15.540.1201	Priming of exposed concrete surfaces with plaster or grout (interior)	m <sup>2</sup>	18,14
15.540.1202	Preparation of stained and sooty wall surfaces for paint work (interior)	m <sup>2</sup>	24,09
15.540.1203	Whitewashing of surfaces with old paint in three layers using white lime (interior walls)	m <sup>2</sup>	10,40
15.540.1204	Whitewashing of surfaces with old paint in three layers using colored lime (interior walls)	m <sup>2</sup>	11,01
15.540.1205	Applying primer, and two layers of water-based matte coating on surfaces with old paint (interior)	m <sup>2</sup>	24,85
15.540.1206	Applying primer, and two layers of water-based silk-matte coating on surfaces with old paint (interior)	m <sup>2</sup>	26,35
15.540.1207	Applying primer, and two layers of water-based semi-matte coating on surfaces with old paint (interior)	m <sup>2</sup>	26,10

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.540.1208	Applying primer, and two layers of water-based matte, antibacterial coating on surfaces with old paint (interior)	m <sup>2</sup>	30,10
15.540.1209	Applying primer, and two layers of water-based semi-matte, antibacterial coating on surfaces with old paint (interior)	m <sup>2</sup>	30,10
15.540.1210	Applying primer, and two layers of synthetic coating on surfaces with old paint (interior)	m <sup>2</sup>	28,05
15.540.1211	Applying primer, and two layers of hybrid coating on surfaces with old paint (interior)	m <sup>2</sup>	27,60
15.540.1212	Whitewashing of surfaces with new plaster in three layers using white lime (interior walls)	m <sup>2</sup>	4,95
15.540.1213	Whitewashing of surfaces with new plaster in three layers using colored lime (interior walls)	m <sup>2</sup>	5,56
15.540.1214	Applying putty, primer and two layers of water-based matte coating on surfaces with new plaster (interior)	m <sup>2</sup>	28,83
15.540.1215	Applying primer and two layers of water-based matte coating on surfaces with new plaster (interior)	m <sup>2</sup>	23,74
15.540.1216	Applying primer and two layers of water-based matte coating on surfaces with satin plaster and gypsum board (interior)	m <sup>2</sup>	16,98
15.540.1217	Applying putty, primer and two layers of water-based silk-matte coating on surfaces with new plaster (interior)	m <sup>2</sup>	30,33
15.540.1218	Applying primer and two layers of water-based silk-matte coating on surfaces with new plaster (interior)	m <sup>2</sup>	25,24
15.540.1219	Applying primer and two layers of water-based silk-matte coating on surfaces with satin plaster and gypsum board (interior)	m <sup>2</sup>	18,48
15.540.1220	Applying putty, primer and two layers of water-based semi-matte coating on surfaces with new plaster (interior)	m <sup>2</sup>	30,08
15.540.1221	Applying primer and two layers of water-based semi-matte coating on surfaces with new plaster (interior)	m <sup>2</sup>	24,99
15.540.1222	Applying primer and two layers of water-based semi-matte coating on surfaces with satin plaster and gypsum board (interior)	m <sup>2</sup>	18,23
15.540.1223	Applying putty, primer and two layers of water-based matte antibacterial coating on surfaces with new plaster (interior)	m <sup>2</sup>	31,23
15.540.1224	Applying primer and two layers of water-based matte antibacterial coating on surfaces with new plaster (interior)	m <sup>2</sup>	25,59
15.540.1225	Applying primer and two layers of water-based matte antibacterial coating on surfaces with satin plaster and gypsum board (interior)	m <sup>2</sup>	19,38
15.540.1226	Applying putty, primer and two layers of water-based semi-matte antibacterial coating on surfaces with new plaster (interior)	m <sup>2</sup>	31,23

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.540.1227	Applying primer and two layers of water-based semi-matte antibacterial coating on surfaces with new plaster (interior)	m <sup>2</sup>	25,59
15.540.1228	Applying primer and two layers of water-based semi-matte antibacterial coating on surfaces with satin plaster and gypsum board (interior)	m <sup>2</sup>	19,38
15.540.1229	Applying putty, primer and two layers of synthetic coating on surfaces with new plaster (interior)	m <sup>2</sup>	32,81
15.540.1230	Applying primer and two layers of synthetic coating on surfaces with new plaster (interior)	m <sup>2</sup>	26,40
15.540.1231	Applying primer and two layers of synthetic coating on surfaces with satin plaster and gypsum board (interior)	m <sup>2</sup>	20,19
15.540.1232	Applying putty, primer and two layers of water-based hybrid coating on surfaces with new plaster (interior)	m <sup>2</sup>	31,58
15.540.1233	Applying primer and two layers of water-based hybrid coating on surfaces with new plaster (interior)	m <sup>2</sup>	25,94
15.540.1234	Applying primer and two layers of water-based hybrid coating on surfaces with satin plaster and gypsum board (interior)	m <sup>2</sup>	19,73
	<b>Exterior wall paint</b>		
15.540.1301	Priming and coating of exposed concrete or surfaces with plaster or old paint, using water-based, acrylic paint (exterior)	m <sup>2</sup>	29,24
15.540.1302	Applying primer and coating on exposed concrete or surfaces with plaster or former paint, using water-based acrylic, grained/textured lining (exterior)	m <sup>2</sup>	29,80
15.540.1303	Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using water-based, pure acrylic paint (exterior)	m <sup>2</sup>	31,11
15.540.1304	Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using water-based, silicon paint (exterior)	m <sup>2</sup>	31,20
15.540.1305	Applying primer and coating on exposed concrete or surfaces with plaster or former paint, using silicon-based, grained/textured lining (exterior)	m <sup>2</sup>	32,01
15.540.1306	Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using thermoplastic resin-based paint (exterior)	m <sup>2</sup>	31,58
15.540.1307	Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using thermoplastic resin-based, grained/textured lining (exterior)	m <sup>2</sup>	35,14
15.540.1308	Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using elastomeric resin-based paint (exterior)	m <sup>2</sup>	31,30
15.540.1309	Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using photocatalytic paint (exterior)	m <sup>2</sup>	32,70



**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
15.540.1310	Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using light-reflecting paint (exterior)	m <sup>2</sup>	31,86
15.540.1311	Application of water-based, transparent, UV-resistant protective coating on exposed concrete or plastered surfaces (exterior)	m <sup>2</sup>	25,51
15.540.1312	Siloxane-based, UV-resistant, transparent surface protection coating of natural stone and pressed bricks (exterior)	m <sup>2</sup>	25,89
15.540.1313	Application of water-based acrylic grained/textured coating on unplastered AAC (exterior)	m <sup>2</sup>	29,00
	<b>EXTERIOR WALL COATING</b>		
15.540.1401	1.5-mm thickness colored acrylic-based coating of concrete, plaster and similar other structures	m <sup>2</sup>	23,00
15.540.1402	2-mm thickness colored acrylic-based coating of concrete, plaster and similar other structures	m <sup>2</sup>	27,91
15.540.1403	3-mm thickness colored acrylic-based coating of concrete, plaster and similar other structures	m <sup>2</sup>	33,03
15.540.1404	1.5-mm thickness colored, silicon-added, acrylic-based coating of concrete, plaster and similar other structures	m <sup>2</sup>	27,13
15.540.1405	2-mm thickness colored, silicon-added, acrylic-based coating of concrete, plaster and similar other structures	m <sup>2</sup>	33,91
15.540.1406	3-mm thickness colored, silicon-added, acrylic-based coating of concrete, plaster and similar other structures	m <sup>2</sup>	40,53
15.540.1407	1.5-mm thickness cement-based coating of concrete, plaster and similar other structures	m <sup>2</sup>	17,45
15.540.1408	2-mm thickness cement-based coating of concrete, plaster and similar other structures	m <sup>2</sup>	19,84
15.540.1409	3-mm thickness cement-based coating of concrete, plaster and similar other structures	m <sup>2</sup>	22,93
	<b>STEEL DOORS AND WINDOWS:</b>		
15.550.1001	Production and installation of windows and doors with square and rectangular profiles	Kg	12,78
15.550.1002	Production and installation of 1.50-mm thickness, hot-rolled bent sheet metal door frames	Kg	14,45
15.550.1003	Production and installation of 2.00-mm thickness, hot-rolled bent sheet metal door frames	Kg	14,25
15.550.1004	Production and installation of 1.50-mm thickness, plain black bent sheet metal door frames	Kg	14,15
15.550.1005	Production and installation of 2.00-mm thickness, plain black bent sheet metal door frames	Kg	13,96
	<b>VARIOUS STEEL STRUCTURES</b>		
15.550.1201	Production and installation of individual structures (water tanks and similar other structures) made of various profile irons and metal sheets.	Kg	11,44
15.550.1202	Production and installation of various iron works made of flat bar and profile iron	Kg	11,99
15.550.1203	Production and installation of railings made by welding iron pipes	Kg	10,96
15.550.1204	Production of installation of diamond-shaped sheet metal flooring (on the existing beams, compartments, stairs and carriers)	Kg	10,53

**Construction Unit Price Definitions, Market Prices**

<b>ITEM NO</b>	<b>DESCRIPTION</b>	<b>UNIT OF MEASURE</b>	<b>MARKET PRICE (TRY)</b>
	<b>WIRE MESH FENCING WORKS</b>		
15.555.1001	Building fences using hot-dip galvanized panel wires with 50 x 150 mm mesh size, which are 1.00 m high, Ø4.5 mm in diameter, twisted min. twice and coated with electrostatic polyester powder paint (To be applied on a wall with 2.5 m distance between the posts)	m	50,44
15.555.1002	Building fences using hot-dip galvanized panel wires with 50 x 150 mm mesh size, which are 1.20 m high, Ø4.5 mm in diameter, twisted min. twice and coated with electrostatic polyester powder paint (To be applied on a wall with 2.5 m distance between the posts)	m	59,65
15.555.1003	Building fences using hot-dip galvanized panel wires with 50 x 150 mm mesh size, which are 1.50 m high, Ø4.5 mm in diameter, twisted min. three times and coated with electrostatic polyester powder paint (To be applied on a wall with 2.5 m distance between the posts)	m	67,65
	<b>MANHOLE COVER AND GRATING</b>		
15.560.1001	Production and installation of pig iron grating, cover and drainage ditch	Kg	6,84
15.560.1002	Supply and installation of glass-fiber-reinforced composite manhole covers	Qty	414,51
15.560.1003	Supply and installation of reinforced concrete composite manhole covers	Qty	389,51
15.560.1004	Supply and installation of polymer-based composite manhole covers with steel reinforcement	Qty	364,51
	<b>GARDENING AND LANDSCAPING WORKS</b>		
15.560.2001	Manual laying of the excavated soil with approximately 30 cm height (for gardening and landscaping works)	m <sup>3</sup>	8,63



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

# **MECHANICAL INSTALLATION WORKS**

2019



## GENERAL PROVISIONS AND EXPLANATIONS FOR MECHANICAL INSTALLATIONS

- 1- Prepared as per Article 97, Paragraph 1, Point (k) regarding the Organization and Duties of Our Ministry of the Presidential Decree no. 1 on the Organization of the President's Office.
- 2- In case there are printer's and material errors in Unit Prices, the latest values as may be corrected by the Ministry of Environment and Urbanism shall be taken as basis, and the amendments made accordingly shall be published in the page of the Directorate of Technical Board on [www.csb.gov.tr](http://www.csb.gov.tr) or directly on <https://yfk.csb.gov.tr/>.
- 3- In case of a later change in the unit price standards applied, the latest versions of the standards in effect shall apply. Furthermore, they have to be supplied to the market securely in compliance with the applicable legislation.
- 4- General Technical Specifications published by the Ministry of Environment and Urbanism shall be complementary to such unit prices and their definitions.
- 5- The unit prices including installation and installation fees given in the list include the Contractor's 25% profit and overheads.
- 6- The materials and devices in the Unit Price Lists, for which no payment shall be made for the materials on construction site shall be listed by the relevant administrations.
- 7- The rates of the materials on construction site as specified in the Unit Prices Lists are percentages of unit prices including installation. The price of the materials on construction site shall be subject to tax discount.
- 8- For the materials and products with the names, classes and types listed below, which will be used in the contracted tasks:
  - 8.1. It shall be compulsory to present a Certificate of Compliance with the Turkish Standards for any material, for which the Unit Price Definition does not include a TSE number but there is a Turkish Standard is published.
  - 8.2. Documents that certify quality and compliance with the principles provided herein as well as international or foreign standards, and technical or special specifications shall be required for the items for which a Turkish Standard is not available.
  - 8.3. Any document mentioned in the items (8.1), (8.2) should be issued by authorized bodies.
- 9- The "Directive on the Protection of Buildings from Fire" and the "Construction Materials Directive" in effect shall be followed in selection, application, and commissioning of any installation equipment.
- 10- For pump equipment,

The "Communiqué on Environmentally Sensitive Design Requirements for Standalone or Integrated Glandless Recirculating Pumps" published in the Official Gazette no. 28063 dated 23 September 2011,

The "Communiqué on Environmentally Sensitive Design Requirements for Electric Motors" published in the Official Gazette no. 28197 dated 7 February 2012, and

The "Communiqué on the Designation, Nominal Operating Point and Dimensions of End-suction Centrifugal Pumps (Nominal Pressure: 16 bars)" published in the Official Gazette no. 28508 dated 25 December 2012,

published by the Ministry of Science, Industry and Technology shall be followed.

11- As per the regulation on energy performance in buildings:

"a) If liquid-fuel, forced blowing burners are used burners with the following specifications:

- 1) For the systems with up to 100 kW heating capacity, single-stage burners with servo-controlled air suction damper, or two-stage or proportional-control burners,
- 2) For the systems with 100 to 1200-kW heating capacity, two-stage or proportional-control burners, and for the systems with min. 1200-kW capacity, only proportional-control burners,
- 3) For the systems above 3000 kW, burners with flue gas oxygen control system shall be used.

b) If gas-fueled, forced blowing burners are used:

- 1) For the systems with up to 100 kW heating capacity, single-stage burners with servo-controlled air suction damper, or two-stage or proportional-control burners,
- 2) For the systems with 100 to 600-kW heating capacity, two-stage or proportional-control burners, and for the systems with min. 600-kW capacity, only proportional-control burners,
- 3) For the systems above 3000 kW, burners with flue gas oxygen control system shall be used."

shall be used.

12- The values listed herein are VAT exclusive.

13- The Unit Prices of our Ministry shall be effective from January 1, 2019, and the administrations shall update the prices for preparing an approximate cost in accordance with the "TÜİK Table of Construction Cost Index and Rates of Change" as specified in the paragraph 11/3 of the Regulation on Application of the Tenders for Construction Works.

(Effective 1 January 2019.)

**SHEET METAL THICKNESS CHARTS ADVISED FOR MODULAR WATER TANKS**

**FOR STAINLESS TANKS**

DISTANCE FROM THE TOP ELEVATION OF THE MODULE	MINIMUM SHEET THICKNESS mm
	SIDE-BOTTOM SHEET
0 - 1.1 m	1.5
1.1 - 2.2 m	2
2.2 - 3.3 m	2.5
3.3 - 4.4 m	3
4.4 - 5.5 m	4

**FOR GALVANIZED TANKS**

DISTANCE FROM THE TOP ELEVATION OF THE MODULE	MINIMUM SHEET THICKNESS (mm)
	SIDE-BOTTOM SHEET
0 - 1.1 m	1.5
1.1 - 2.2 m	2
2.2 - 3.3 m	3
3.3 - 4.4 m	4
4.4 - 5.5 m	5

The bottom point of the module shall be taken as basis for measuring the distance.

The top sheet thickness of the tanks shall not be less than the sheet thickness of the side wall.



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**PLUMBING SYSTEM  
UNIT PRICES AND DEFINITIONS**

**2019**

## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.100.1000</b>	<b>WASHBASINS</b> Supply to the work site and installation of white washbasins of the types and dimensions given below with or without fixed soap dishes, including fittings. Washbasins shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking. Note: If colored glazed ceramic is used, installed prices shall be increased by 15% with the installation fee remaining unchanged.		
25.100.1001	25x40 cm, threaded	100,13	20,00
25.100.1002	28x35 cm, threaded.	73,89	20,00
25.100.1003	28x45 cm, threaded.	87,09	20,00
25.100.1004	35x45 cm, corner type, threaded	119,79	20,00
25.100.1005	35x45 cm, threaded	89,33	20,00
25.100.1006	Under-counter or over-counter oval washbasin, 36 x 44 cm	128,79	20,00
25.100.1007	37 x 45 cm Set with Semi-pedestal, console	163,43	20,00
25.100.1008	41x50 cm set with semi-pedestals, threaded	152,86	20,00
25.100.1009	40x50 cm, threaded	104,45	20,00
25.100.1010	40x50 cm Under-counter or over-counter oval washbasin	150,15	20,00
25.100.1011	45x45 cm, corner type, threaded	176,63	20,00
25.100.1012	45x55 cm Set with Semi-pedestals	188,70	20,00
25.100.1013	45x55 cm, threaded	122,50	20,00
25.100.1014	Under-counter or over-counter oval washbasin, 45x55 cm	157,73	20,00
25.100.1015	Under-counter or over-counter oval washbasin, 45x60 cm	182,36	20,00
25.100.1016	45 x 60 cm Semi-pedestal set	239,68	20,00
25.100.1017	45x60 cm, threaded	153,75	20,00
25.100.1018	50 x 60 cm Set with Pedestals	209,19	20,00
25.100.1019	50x60 cm Physically Handicapped Washbasin (The washbasin should be min. 43 cm, max. 49 cm deep.)	232,74	20,00
25.100.1020	50 x 60 cm Set with Semi-pedestals	203,28	20,00
25.100.1021	50x60 cm, threaded	147,60	20,00
25.100.1022	50 x 65 cm Set with Pedestals	235,08	20,00
25.100.1023	Under-counter or over-counter oval washbasin, 50x65 cm	223,18	20,00
25.100.1024	50 x 65 cm Set with Semi-pedestals	248,58	20,00
25.100.1025	50x65 cm, threaded	157,60	20,00
25.100.1026	50 x 70 cm Set with Complete Pedestals	246,30	20,00
25.100.1027	51x80 cm Set with Semi-pedestals	306,46	20,00
25.100.1028	50 x 85 cm Set with Complete Pedestals	315,43	20,00
25.100.1029	52x52 cm, corner type, threaded	159,96	20,00
<b>25.100.2000</b>	<b>ANTIBACTERIAL WASHBASINS</b> The washbasins shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10% with the installation fees remaining unchanged.		



**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.102.1000</b>	<b>WASHBASIN PIPING SYSTEM: (Unit: Set,)</b> Supply to the work site with a sink siphon and sewer pipe connection adapter, and installation and delivery in working order of brass-chromized or plastic-based (acetal copolymer) washbasin installation sized to comply with TS-EN 274-1-2-3, certified for quality, resistant to min. 80°C and acids for use with the washbasins given in the item 25.100.1000, with a 15-mm tap and rosette or faucet certified for compliance with TS-EN 274-1-2-3, a 6-cm anti-odor part, a min. 16-cm extension, brass-chromized or hard plastic rosette, which can be removed and cleaned, and tightened by a 32-mm wrench.		
<b>25.102.1100</b>	<b>With a long tap and siphon without brass controls:</b>		
25.102.1101	First class: (Tap: TS EN 200, Siphon: TS-EN 274-1-2-3)	115,24	15,14
<b>25.102.1200</b>	<b>With wall-mounted faucet (in compliance with TS EN 200 or TS EN 817) and siphon without brass controls:</b>		
25.102.1201	First class: (Faucet: TS EN 200 or TS EN 817, Siphon: TS-EN 274-1-2-3)	232,61	23,71
<b>25.102.1300</b>	<b>With a flush-mounted faucet (including brass chromized angle valves and connection pipes) and siphon without brass controls</b>		
25.102.1301	First class: (Faucet: TS EN 200 or TS EN 817, Siphon: TS-EN 274-1-2-3)	206,61	23,71
<b>25.102.1400</b>	<b>With a long tap (in compliance with TS EN 200 or TS EN 817) a special plastic bowl and a siphon without controls:</b>		
25.102.1401	First class: (Tap: TS EN 200, Siphon: TS-EN 274-1-2-3)	98,71	23,71
<b>25.102.1500</b>	<b>With a wall-mounted faucet (in compliance with TS EN 200 or TS EN 817), a special plastic bowl and a siphon without controls:</b>		
25.102.1501	First class: (Faucet: TS EN 200 or TS EN 817, Siphon: TS-EN 274-1-2-3)	163,10	23,71
<b>25.102.1600</b>	<b>With a flush-mounted faucet (including brass chromized angle valves and connection pipes), a special rubber bowl and siphon without controls:</b>		
25.102.1601	First class: (Faucet: TS EN 200 or TS EN 817, Siphon: TS-EN 274-1-2-3)	186,65	23,71
<b>25.102.1700</b>	<b>With a flush-mounted faucet (including brass chromized angle valves and connection pipes) and siphon with brass controls</b>		
25.102.1701	First class: (Faucet: TS EN 200 or TS EN 817, Siphon: TS-EN 274-1-2-3)	189,13	23,71
<b>25.104.1000</b>	<b>MIRRORS (Unit: Qty.) (TS EN 1036)</b> 5-mm glass thickness, ground edges, and with beveled stripes, if any. Wall attachment screws shall be brass with min. 5-micron nickel plating or stainless steel. Installation on a wall with braces, screws and dowel pins. Mirrors shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking.		
25.104.1001	Approximately 40 x 50 cm	71,10	13,44
25.104.1002	Approximately 40 x 60 cm	89,70	13,44
25.104.1003	<b>Approximately 50x70-cm accessible mirrors</b> Supply and installation of adjustable-tiL, accessible mirrors with 304-quality stainless steel frame.	155,00	13,44

## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.106.1000</b>	<b>SHELF UNIT: (Unit: Qty. Materials on construction site: 60%)</b> Supply to the work site and installation of a white shelf unit with integrated console and of the type and dimensions specified below, along with its special wedge or installation components. Note: If colored glazed ceramic is used, installed prices shall be increased by 15% with the installation fee remaining unchanged.		
<b>25.106.1100</b>	<b>Glazed ceramic</b>		
25.106.1101	Approximately 50 x 10 cm Extra class	48,13	13,44
25.106.1102	Approximately 60 x 15 cm Extra Class	54,15	13,44
25.106.1103	Approximately 50 x 15 cm Extra Class	49,51	13,44
25.106.1104	Approximately 68 x 15 cm Extra Class	58,79	13,44
<b>25.106.2100</b>	<b>ANTIBACTERIAL SHELF UNITS (Unit: Qty. Materials on construction site: 60%) (TS 13420)</b> The shelf units in the item 074-100 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10% with the installation fees remaining unchanged.		
<b>25.108.1000</b>	<b>SQUAT TOILET PANS: (Unit: Qty., Materials on construction site: 60%) (TS 799)</b> Supply to the work site and installation of a white, rectangular, monobloc toilet pan made of TS-EN 274-1-2-3-compliant Ø100-mm PVC, resistant to temperatures up to 80°C and acids, which shall be equipped with a 6-cm anti-odor part: it shall be in compliance with TS 799a and certified for quality. Note: If colored glazed ceramic is used, installed prices shall be increased by 15% with the installation fee remaining unchanged.		
<b>25.108.1100</b>	<b>Glazed ceramic</b>		
25.108.1101	With plastic siphon, approximately 50 x 60 cm, Extra Class	185,05	55,69
25.108.1102	With plastic siphon, approximately 60 x 60 cm, Extra Class	206,65	55,69
<b>25.108.2100</b>	<b>ANTIBACTERIAL SQUAT TOILET PANS: (Unit: Qty. Materials on construction site: 60%) (TS 13420)</b> The squat toilet pans in the item 25.108.1100 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10% with the installation fees remaining unchanged.		
<b>25.110.1000</b>	<b>SQUAT TOILET INSTALLATION: (Unit: Set, Materials on Construction Site: 60%)</b> Delivery in working order including angle valves and all connections for long tap and reservoir connections for use with the toilet pans specified in the item 25.108.1000.		
25.110.1001	<b>With ceramic cistern:</b> Cistern made of extra-quality, white ceramic	211,28	51,38
25.110.1002	<b>Plastic cistern:</b> Cistern made of plastic	129,35	34,25
25.110.1003	<b>Pressurized toilet washer</b> Supply and installation of Ø20-mm brass-chromized, die-cast, pressurized toilet washers in compliance with TS-366 and awarded with a quality certificate for washing toilets, etc. by connection to the utility water pipe.	141,86	44,53

## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.112.1100</b>	<p><b>FLUSH TOILET AND INSTALLATION WITH BUILT-IN RESERVOIR (TS EN 997+A1) (Unit: Set)</b></p> <p>Supply to the work site, installation and delivery in working order of white (glazed) ceramic flush toilets with sufficient spacing for installation of a cistern, with min. 13-liter ceramic bowl, fully hard plastic cistern, brass-chromized seat and cover, complete with copper pipes for utility water connection of the cistern and bidet nozzle, rosettes and chrome-plated set screws and fixing blocks. Note: If colored glazed ceramic is used, installed prices shall be increased by 15% with the installation fee remaining unchanged.</p>		
25.112.1101	Approximately 35 x 55 cm (Extra-quality)	470,54	34,25
25.112.1102	Approximately 37 x 77 cm (Extra-quality)	508,04	34,25
25.112.1103	Approximately 35 x 70 cm for the physically disabled Extra-quality. (The toilet seat shall be 43 to 48 cm high from the floor)	720,54	34,25
25.112.1104	Flush with the wall, Approximately 65 x 35 cm (Extra-quality)	582,54	34,25
<b>25.112.1200</b>	<p><b>FLUSH TOILET AND INSTALLATION WITH WATER-SAVING BUILT-IN RESERVOIR (TS EN 997+A1) (Unit: Set, Materials on construction site: 60%)</b></p> <p>Supply to the work site, installation and delivery in working order of white (glazed) ceramic flush toilets that can be fully washed by 4 liters and with sufficient spacing for installation of a cistern, with bowl, fully hard plastic cistern, brass-chromized seat and cover, complete with pipes for utility water connection of the cistern and plastic bidet nozzle, rosettes and chrome-plated set screws and fixing blocks. Note: If colored glazed ceramic is used, installed prices shall be increased by 15% with the installation fee remaining unchanged. The products shall be in compliance with the Regulation 305/2011/ EU on Construction Products and released with a CE compliance marking.</p>		
25.112.1201	Approximately 35 x 55 cm (Extra-quality)	508,04	34,25
25.112.1202	Approximately 37 x 77 cm (Extra-quality)	518,04	34,25
25.112.1203	Approximately 35 x 70 cm for the physically disabled Extra-quality. (The toilet seat shall be 43 to 48 cm high from the floor)	515,54	34,25
25.112.1204	Flush with the wall, Approximately 65 x 35 cm (Extra-quality)	522,85	41,56
<b>25.112.1250</b>	<p><b>Flush Toilet for Use by Minors, and Piping System</b></p> <p>Supply, installation and delivery in working order of white or colored glazed ceramic flush toilets sized approximately 30*55*30 cm, in compliance with TS EN 997+A1, certified for quality, performs a full wash with min. 4 liters of water and allowing installation of a glazed ceramic cistern, with hard plastic seat, brass-chromized reservoir and bidet utility water valves, reservoir internal installation with a discharge group controlled by a graded flush button and a filling group with water inlet at the bottom, complete with a plastic bidet tube, rosettes and toilet installation kit. (Flush toilets shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking)</p>	651,79	34,25

### Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.112.1260	<p><b>Squat Toilet Set with Flush-mounted Cistern</b> Supply to the work site and installation with fittings of a white, four-corner toilet pan; a monobloc squat toilet flush made of ø 100-mm PVC, resistant to 80°C temperature and acids, equipped with a 6-cm anti-odor part and in compliance with TS-EN 274-1-2-3; a tap complying with TS EN 200 and surface standards of TS EN 248, which was made of raw materials that comply with the standards EN12164 and TS EN 12165; and a cistern made of plastic and stainless steel components, installed within the wall and complying with TS EN 14055+A1 and TS EN 10088-1/2/3. The products shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking.</p>	506,20	68,50
25.112.1270	<p><b>Flush Toilet Set with Flush-mounted Cistern</b> Supply to the work site and installation of a wall-mounted, white, glazed ceramic, extra class flush toilet (in compliance with TS EN 997+A1); Duroplast hard plastic seat and cover made of raw materials in compliance with TS EN 12164 and TS EN 12165; with classic or ceramic seal made of TS EN 248 surface standards and TS 15 EN 1213 including a built-in intermediate stop valve and rosette; and a flush-mounted cistern with plastic and stainless steel components in compliance with TS EN 14055+A1 and TS EN 10088-1. The products shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking.</p>	720,55	75,35
25.112.2000	<p><b>ANTIBACTERIAL FLUSH TOILET AND PIPING SYSTEM (Unit: Qty. Materials on construction site: 60%) (TS 13420)</b> The flush toilet pans in the items 25.112.1101-1103-1104 and 1200 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10% with the installation fees remaining unchanged.</p>		
25.114.1000	<p><b>URINAL AND ITS INSTALLATION: (Unit: Set; Materials on construction site: 60%) (TS EN 13407)</b> Supply, installation and delivery in working order of beaked urinals made of white glazed ceramic certified for compliance with TS EN 13407, with 32-mm washing holes at the back or top, 50-mm drainage, plastic discharge siphon at the bottom or back, complete with washing taps, pipes, rosettes and installation screws. Note: If colored materials other than white are used, installed prices shall be increased by 15% with the installation fee remaining unchanged. The urinals shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking.</p>		
<b>25.114.1100</b>	<b>Normal type:</b>		
25.114.1101	With brass siphon, approximately 30 x 25 x 40 cm Extra class	146,25	51,71
25.114.1102	With brass siphon, approximately 35 x 40 x 50 cm Extra class	146,25	51,71
25.114.1103	With special plastic bowl, approximately 30 x 25 x 40 cm Extra class	213,30	51,71
25.114.1104	With special plastic bowl, approximately 35 x 40 x 50 cm Extra class	256,78	51,71
<b>25.114.1150</b>	<p><b>Urinal with Integral Siphon</b> Supply, installation and delivery in working order of a white glazed ceramic, beaked urinal sized approximately 35*35*55 cm, certified for quality and compliance with TS EN 13407, equipped with 32 mm washing holes at the back or top, integral siphon (anti-odor part) and 50 mm water drain complete with an extension part to the wall and a rosette, a urinal washing tap, pipe and rosette, and an installation kit. (The urinals shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking)</p>	317,03	51,71

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.114.2000</b>	<b>ANTIBACTERIAL URINALS AND PIPING SYSTEM (Unit: Qty. Materials on construction site: 60%) (TS 13420)</b> The urinals in the item25.114.1100-1150 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10% with the installation fees remaining unchanged.		
<b>25.114.3000</b>	<b>URINAL PARTITIONS: (Unit: Qty., Materials on construction site: 40%)</b>		
<b>25.114.3100</b>	<b>Glazed ceramic</b>		
25.114.3101	Approximately 40 x 50 cm Extra.	118,04	20,00
<b>25.114.4000</b>	<b>ANTIBACTERIAL URINAL PARTITIONS (Unit: Qty. Materials on construction site: 60%) (TS 13420)</b> The urinal partitions in the item25.114.3100 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10% with the installation fees remaining unchanged.		
<b>25.118.1000</b>	<b>SINKS: (Unit: Qty., Materials on construction site: 60%) (TS EN 13310)</b> The sinks shall be in compliance with the Regulation 305/2011/ EU on Construction Products and released with a CE compliance marking.		
<b>25.118.1100</b>	<b>Single-bowl sink without drainboard</b>		
25.118.1101	Stainless steel, approximately 50 x 50 x 15 cm	107,24	26,85
25.118.1102	Stainless steel, approximately 50 x 60 x 22 cm	169,31	26,85
<b>25.118.1200</b>	<b>Single-bowl sink with drainboard</b> Supply to the work site and installation on a counter of a single-bowl, white sink with integral drainboard;		
25.118.1201	Stainless steel, approximately 50 x 100 cm	147,38	26,85
<b>25.118.1300</b>	<b>Two-bowl sink without drainboard</b> Supply to the work site and installation on a console or counter of a two-bowl, white sink without drainboard in compliance with TS-EN 13310.		
25.118.1301	Stainless steel, approximately 50 x 95 cm	294,93	26,85
<b>25.118.1400</b>	<b>Two-bowl sink with a drainboard: (TS EN 13310)</b> Supply to the work site and installation on a console or counter of an extra-quality, two-bowl, white sink with drainboard.		
25.118.1401	Stainless steel (Approximately 60 x 140 cm)	393,53	26,85
<b>25.120.1000</b>	<b>SINK PIPING: (Unit: Qty., Materials on construction site: 60%)</b>		
<b>25.120.1100</b>	<b>Single-bowl sink piping:</b> Supply to the work site, installation and delivery in working order, for use with the single-bowl sinks specified in the items 25.118.1100 and 1200, of a 15-mm brass chromized or plastic-based (acetal copolymer) faucet with rotating or fixed pipes certified for compliance with TS EN 200 or TS EN 817; a brass chromized or hard plastic-based sink siphon with 6-cm anti-odor part, extension to the wall and rosette, an 32-mm strainer that is sized to comply with TS-EN 274-1-2-3, resistant to min. 80°C and can be removed and cleaned, complete with a bakelite plug, chromized chain and handle (drain pipe shall not be included in the price, and the faucet and its siphon shall be certified for compliance with Turkish Standards).		
25.120.1101	In compliance with TS-EN 274-1-2-3 (First class) with a faucet, and brass siphon in compliance with TS EN 200 or TS EN 817	311,53	30,28

## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.120.1102	With a faucet and siphon, and a special plastic bowl (First class)	257,41	30,28
25.120.1103	With a long tap in compliance with TS EN 200 and brass siphon in compliance with TS-EN 274-1-2-3 (First class)	106,11	18,56
25.120.1104	With a long tap in compliance with TS EN 200 and plastic siphon (First class)	52,00	18,56
<b>25.120.1200</b>	<b>Double-bowl sink piping:</b> For use with the sinks described in the items 25.118.1300 and 1400. The specifications shall be as described in the item 25.120.1100 except that the 15-mm brass chromized faucet in compliance with TS EN 200, and the siphon, plug, chain and handle shall be in pairs.		
25.120.1201	With a faucet and brass siphon (Siphon shall comply with TS-EN 274-1-2-3) (First class)	311,53	30,28
25.120.1202	With a faucet and siphon, and a special plastic bowl (First class)	257,41	30,28
<b>25.125.1000</b>	<b>BATHROOMS: (Materials on construction site: 60%)</b>		
<b>25.125.1100</b>	<b>Acrylic Bathtubs (Unit: Qty., Materials on construction site: 60%)</b> Supply and installation of bathtubs made of cast acrylic sheets in compliance with TS.EN 263 and manufactured as per TS EN 198, complete with an overflow siphon and drain pipe in compliance with TS EN 274-1/2/3 and connections sized per TS EN 232. (The unit prices including installation shall be raised by 10% with the installation fees remaining unchanged for the colored ones.)		
25.125.1101	White, acrylic, alcove bathtub, 70 x 150 x 40 cm	803,80	58,56
25.125.1102	White, acrylic, alcove bathtub, 70 x 160 x 40 cm	836,80	58,56
25.125.1103	White, acrylic, alcove bathtub, 70 x 170 x 40 cm	862,40	58,56
25.125.1104	White, acrylic, alcove bathtub, 75 x 150 x 40 cm	924,09	58,56
25.125.1105	White, acrylic, alcove bathtub, 75 x 170 x 40 cm	1.036,93	58,56
25.125.1106	Acrylic, seated bathtub, white, 75 x 105 x 30 cm	671,13	58,56
25.125.1107	Acrylic, seated bathtub, white, 75 x 120 x 30 cm	709,56	58,56
25.125.1108	Acrylic, seated bathtub, white, 75 x 130 x 30 cm	720,73	58,56
<b>25.125.1200</b>	<b>Panels for Acrylic Bathtub: (Unit: Qty., Materials: 60%)</b> Made of cast acrylic sheets manufactured in compliance with TS EN 263 (The unit prices including installation shall be raised by 10% with the installation fees remaining unchanged for the colored ones.)		
25.125.1201	Acrylic front panel (For seated bathtubs), 105 cm, white	180,90	15,14
25.125.1202	Acrylic front panel (For seated bathtubs), 120 cm, white	203,94	15,14
25.125.1203	Acrylic front panel (For seated bathtubs), 130 cm, white	219,30	15,14
25.125.1204	Acrylic front panel (For alcove bathtubs), 150 cm, white	212,90	15,14
25.125.1205	Acrylic front panel (For alcove bathtubs), 160 cm, white	237,21	15,14
25.125.1206	Acrylic front panel (For alcove bathtubs), 170 cm, white	239,78	15,14
25.125.1207	Acrylic side panel (For alcove bathtubs), 70 cm, white	244,90	15,14
25.125.1208	Acrylic side panel (For alcove bathtubs), 75 cm, white	278,18	15,14
25.125.1209	Acrylic side panel (For seated bathtubs), 75 cm, white	127,14	15,14
25.125.1210	Acrylic front panel (For alcove bathtubs), 140 cm, white	152,60	15,14
25.125.1211	Acrylic front panel (For alcove bathtubs), 180 cm, white	152,60	15,14
<b>25.125.1300</b>	<b>Foot Set for Acrylic Bathtubs: (Unit: Set Materials on construction site: not available)</b> The kit required for a bathtub, including galvanic-plated tube feet, plastic shoes, suspension set for wall mounting, attachment screws and dowel pins.		
25.125.1301	Foot set (For seated bathtubs)	110,09	11,66
25.125.1302	Foot set (For alcove bathtubs)	143,03	11,66

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.125.2000</b>	<b>SHOWER TRAY: (Unit: Qty., Materials on construction site: 60%)</b> Supply and installation of white shower tray flush-mounted in the floor with 32-mm brass chromized strainer, drain hole and special siphon. Note: If colored glazed ceramic is used, installed prices shall be increased by 15% with the installation fee remaining unchanged.		
<b>25.125.2100</b>	<b>Glazed ceramic shower tray; (TS EN 14527) extra quality.</b> The glazed ceramic shower trays shall be in compliance with the Regulation 305/2011/EU on Construction Products and released with a CE compliance marking.		
25.125.2101	Approximately 80 x 80 x 10 cm	436,68	38,39
<b>25.125.2200</b>	<b>Acrylic Monobloc Shower Trays: (Unit: Qty., Materials on construction site: 60%)</b> Supply to the work site and installation of shower trays made of cast acrylic sheets in compliance with TS EN 263 with connections sized per TS EN 251, complete with a special siphon. (The unit prices including installation shall be raised by 10% with the installation fees remaining unchanged for the colored ones.)		
25.125.2201	White, acrylic shower tray. (Monobloc body), 70 x 70 x 11 cm, square	332,26	38,39
25.125.2202	White, acrylic shower tray. (Monobloc body), 80 x 80 x 11 cm, square	400,46	38,39
25.125.2203	White, acrylic shower tray. (Monobloc body), 90 x 90 x 11 cm, square	466,19	38,39
25.125.2204	White, acrylic shower tray. (Monobloc body), 80 x 80 x 11 cm, corner	313,66	38,39
25.125.2205	White, acrylic shower tray. (Monobloc body), 90 x 90 x 11 cm, corner	416,59	38,39
<b>25.125.2300</b>	<b>Acrylic Sheet Shower Trays: (Unit: Qty., Materials on construction site: 60%)</b> The price of the panels shall not be included in the shower tray.		
25.125.2301	Shower tray with white acrylic panels, 70 x 70 x 11 cm, square	353,35	38,39
25.125.2302	Shower tray with white acrylic panels, 80 x 80 x 11 cm, square	435,19	38,39
25.125.2303	Shower tray with white acrylic panels, 90 x 90 x 11 cm, square	508,35	38,39
25.125.2304	Shower tray with white acrylic panels, 100 x 80 x 11 cm, rectangular	455,03	38,39
25.125.2305	Shower tray with white acrylic panels, 80 x 80 x 14 cm, corner	385,59	38,39
25.125.2306	Shower tray with white acrylic panels, 90 x 90 x 15 cm, corner	427,75	38,39
25.125.2307	Shower tray with white acrylic panels, 100 x 100 x 15 cm, corner	552,99	38,39
<b>25.125.2400</b>	<b>Panels for Acrylic Shower Tray: (Unit: Qty., Materials on construction site: 60%)</b> Made of cast acrylic sheets manufactured in compliance with TS EN 263 (The unit prices including installation shall be raised by 10% with the installation fees remaining unchanged for the colored ones.)		
25.125.2401	Acrylic front panel (for square shower trays) 70 cm, white	81,10	7,35
25.125.2402	Acrylic front panel (for square shower trays) 80 cm, white	84,85	7,35
25.125.2403	Acrylic front panel (for square shower tray) 90 cm, white	88,60	7,35
25.125.2404	Acrylic front panel (for rectangular shower trays) 100 cm, white	92,35	7,35
25.125.2405	Acrylic side panel (for square shower trays) 70 cm, white	81,10	7,35

## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.125.2406	Acrylic side panel (for square shower trays) 80 cm, white	84,85	7,35
25.125.2407	Acrylic side panel (for square shower trays) 90 cm, white	88,60	7,35
25.125.2408	Acrylic side panel (for rectangular shower trays) 80 cm, white	84,85	7,35
25.125.2409	Acrylic corner panel (for corner shower trays) 80 cm, white	84,85	7,35
25.125.2410	Acrylic corner panel (for corner shower trays) 90 cm, white	88,60	7,35
25.125.2411	Acrylic corner panel (for corner shower trays) 100 cm, white	92,35	7,35
<b>25.125.2500</b>	<p><b>Pedestal Set for Acrylic Shower Trays: (Unit: Set, Materials on construction site: not available)</b></p> <p>The set required for 1 bathtub, containing a tube pedestal with galvanized coating in compliance with TS EN 10255+A1, rubber shoes, suspender set for wall attachment, screws and dowel pins.</p>		
25.125.2501	Foot set (for square and rectangular shower trays)	89,16	11,66
25.125.2502	Foot set (For corner shower trays)	89,16	11,66
<b>25.125.2503</b>	<p><b>ANTIBACTERIAL SHOWER TRAYS (Unit: Qty. Materials on construction site: 60%) (TS 13420)</b></p> <p>The shower trays in the item 25.125.2100 shall be as described in the standard TS 13420 with an indelible ABY (Antibacterial Surface) logo inscribed on a visible part of the product, and if the product antibacterial, unit prices including installation shall be raised by 10% with the installation fees remaining unchanged.</p>		
<b>25.127.1000</b>	<p><b>Bathroom piping (Unit: Set) (TS EN 200 or TS EN 817)</b></p> <p>Supply and installation of a flush-mounted bathing set with an aluminum shower pipe, chromized pipe clamp, special dowel pins and screws, shower head, brass chromized bathroom faucet in compliance with TS EN 200 and plastic-based (acetal copolymer) complete head and hand-held shower, for use with shower trays and bathtubs.</p>		
25.127.1001	Bath mixer complete with a shower pipe and shower head filter; (TS EN 200) First quality.	294,29	37,13
25.127.1002	Bath set with flush-mounted head and hand-held shower, hand-held shower, and flush-mounted bath mixer set with back flow valve and bathtub filling nozzles	468,29	37,13
25.127.1003	Faucet with hand-held shower and holder (in compliance with TS EN 200 or TS EN 817)	287,13	37,13
<b>25.130.1000</b>	<p><b>Taps (in compliance with TS EN 200)</b></p> <p>Installation of taps in compliance with TSE EN 200 in their designated locations with their rosettes.</p>		
25.130.1101	1/2" Short tap, including filter rosette.	29,34	4,34
25.130.1102	1/2" Long tap, including filter rosette.	36,84	4,34
25.130.1103	1/2" Urinal Tap, including rosettes and angle valve pipe.	35,59	4,34
25.130.1104	Counter-top or wall-mounted 1/2" washbasin - sink faucets with rotating pipe, rosette and aerator.	66,84	4,34
25.130.1105	3/4" Bath basin tap, including rosette.	48,09	4,34
25.130.1201	1/2" Angle Valve, including rosette with regular seal.	26,84	4,34
25.130.1202	1/2" Angle Valve, including rosette with ceramic seal.	35,51	4,34
25.130.1203	1/2" Angle Valve, including rosette with ceramic seal.	53,96	4,34
25.130.1204	Filter angle valve, including a stainless steel filter and rosette.	28,70	4,34
25.130.1205	1/2" with regular seal and flush-mounted angle shut-off valve and rosette.	64,14	4,34



### Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.130.1206	1/2" with ceramic seal and flush-mounted angle shut-off valve and rosette.	71,60	4,34
25.130.1207	1/2" with ceramic seal and flush-mounted angle shut-off valve and rosette.	77,54	4,34
25.130.1208	3/4" with regular seal and flush-mounted angle shut-off valve and rosette.	68,14	4,34
25.130.1209	3/4" with ceramic seal and flush-mounted angle shut-off valve and rosette.	84,13	4,34
25.130.1210	3/4" with ceramic seal and flush-mounted angle shut-off valve and rosette.	87,41	4,34
25.130.1302	1/2" Chromized Washing Machine Tap, with regular seal, including rosette.	41,84	4,34
25.130.1303	1/2" Chromized Washing Machine Tap, with ceramic seal, including rosette.	46,30	4,39
25.130.1304	1/2" Chromized Washing Machine Tap, with ceramic seal, including rosette.	50,64	4,34
<b>25.130.3000</b>	<p><b>SINGLE- OR TWO-CONTROL FAUCETS: (Unit: Qty, Materials on Construction Site: 60%)</b> Brass parts including the body shall be cast, hot forged or rolled by chip removal and made of materials in compliance with the standards TS EN 12164-1,-2,-3 and TS EN 12165; manufactured as per TS EN 248 for surface standard requirements, and TS EN 200, TS EN 274, TS EN 817, TS 3143 for functions and size, one-control mixers manufactured in compliance with TS EN 1759-1, TS EN 1092-1, two-control faucets manufactured in compliance with TS 200; mills, bodies, etc. of the standard seal group used with two-control units machined by chip removal from the raw material complying with TS EN 12164, parts such as seals, O-rings, etc. used in any product made of EPDM or NBR materials; such components as oil, seals, o-rings, etc. used any products certified for compliance with the KTW (KaL Trinken Wasser), WRC (Water Byelaws Scheme, a measure of toxic materials transferred to water from the non-metal parts that it contacts), and DVGW (Deutsche Vereinigung des Gas- und Wasserfaches); the aerators shall be in compliance with the TS EN 246 and certified and marked for compliance with KIWA (Mechanical tests, acoustic tests, and measurement of the changes of color and taste in water) or DVGW; aerator hubs shall be plastic, flexible connection tubes shall be made of stainless steel wire mesh exterior and an EPDM internal tube, and awarded any of the certificates and markings of compliance with DVGW, KIWA or SWGW (Mechanical tests, acoustic tests, and measurement of the changes of color and taste in water). The levers and flywheels used in any product shall be metallic, and the cartridges used in non-acrylic or non-plastic one-control faucets shall be certified for compliance with NSF (The Public Health and Safety Company) or WRAS (Water Regulations Advisory Scheme) and the products equipped with sensors shall be CE certified. The manufacturer shall have a current certificate of production competence, certificate of service competence, certificate of after-sales competence, ISO 9000 and ISO 14000 certificates, and certificate of TSE compliance. Note: If mixers undergo PVD (Physical Vapor Deposition), installed prices shall be raised by 25%, and the installation fees shall remain unchanged.</p>		
<b>25.130.3100</b>	<b>Sink Faucets:</b>		
25.130.3101	<b>Single-control, single-body faucet for sink:</b> With rotating outlet, and heat and flow rate limiter cartridge that saves energy and water, and non-scaling aerator.	237,21	18,46

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.130.3102	<b>Single-control, wall-mounted sink faucet:</b> Wall-mounted, with heat and flow rate limiter cartridge that saves energy and water, rotating outlet, non-scaling aerator.	298,14	18,46
25.130.3103	<b>Single-control, single-body faucet for sink with spiral:</b> Equipped with a heat and flow rate limiter cartridge that saves energy and water, rotating outlet, non-scaling aerator, a washing range of 100 cm in circumference, two-function flexible hand-held shower, and awarded any of KTW and NSF certificates.	403,10	18,46
25.130.3104	<b>Single-control, single-body faucet for industrial kitchen:</b> Non-scaling, dual-function, hand-held shower with or without an extending tip in the middle, with a heat and flow rate saver cartridge that saves energy and water, and a rotating outlet. Where an extending tip is available, unit prices including installation shall be raised by 5%.	862,96	18,46
25.130.3105	<b>Single-control, wall-mounted industrial kitchen faucet:</b> Energy- and water-saving with heat and flow rate limiter cartridge, rotating outlet, non-scaling aerator, dual-function flexible hand shower, and check valves that prevent reverse flow of hot and cold water,	1.019,66	18,46
25.130.3106	Two-control, single-body faucet for industrial kitchen:	632,96	18,46
25.130.3107	<b>Two-control, wall-mounted sink faucet:</b> Wall-mounted with capability, ceramic seal, rotating extension tip, and non-scaling aerator.	246,69	18,46
<b>25.130.3200</b>	<b>Washbasin Faucet;</b>		
25.130.3201	<b>Single-control, monobloc washbasin faucet</b> With heat and flow rate limiter cartridge that saves energy and water, and non-scaling aerator.	350,75	18,46
25.130.3202	<b>Washbasin faucet with a single elevated control and single body (for countertop washbasins):</b> With heat and flow rate limiter cartridge that saves energy and water, and non-scaling aerator, including a complete metal siphon.	478,64	18,46
25.130.3203	Hair salon type, rotating faucet, die-cast (Complete set including an angle valve with two spiral filters)	363,81	18,46
25.130.3204	<b>Two-control, single-body faucet for washbasins:</b> With a ceramic seal and non-scaling aerator.	263,71	18,46
25.130.3206	<b>Two-control, wall-mounted washbasin faucet:</b> With a fixed extending tip, ceramic seal or rubber back flow valve, and non-scaling aerator.	217,96	18,46
25.130.3208	<b>Single-control, single-body medical faucet for washbasins:</b> Equipped with a heat and flow limiter cartridge that saves energy and water, a special hygienic aerator with laminar flow, and a special extended handle.	281,96	18,46
25.130.3209	<b>Single-control, wall-mounted medical faucet for washbasins:</b> Equipped with a rotating extension tip, a special hygienic aerator with laminar flow and a special extended handle.	368,76	18,46
<b>25.130.3300</b>	<b>Bath and Shower Faucets;</b>		
25.130.3301	<b>Single-control bath faucet:</b> With 1/2" shower outlet, heat and flow rate limiter cartridge that saves energy and water, non-scaling aerator, and automatic deflector.	284,10	18,46
25.130.3302	<b>Single-control shower faucet:</b> With 1/2" shower outlet, and heat and flow rate limiter cartridge that saves energy and water.	240,08	18,46

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.130.3303	<b>Single-control, wall-mounted (buiL-in) bathroom faucet, flush-mounted:</b> Energy- and water-efficient with a 1/2" shower outlet, a deflector group on the outlet tip set, a cartridge with heat and water flow limiter, an anti-scale aerator, and an automatic deflector. The product shall be compatible with plastic and galvanized pipes within a plastic housing, and allow easy removal without breaking the tiles in case of a malfunction.	319,66	18,46
25.130.3304	<b>Single-control, wall-mounted (buiL-in) shower faucet (flush-mounted):</b> Energy- and water-efficient, a cartridge with heat and water flow limiter. The product shall be compatible with plastic and galvanized pipes within a plastic housing, and allow easy removal without breaking the tiles in case of a malfunction.	249,66	18,46
25.130.3305	<b>Two-control, wall-mounted bath mixer:</b> with non-scaling cascaded aerator, ceramic seal, mechanical or automatic deflector.	351,33	18,46
25.130.3306	Two-control, wall-mounted shower mixer:	255,51	18,46
25.130.3309	<b>BuiL-in Shower Head (Unit: Qty.) (TSEK certified)</b> Supply to the work site and installation to the designated location of threaded, impact-resistant, filer shower heads which can be attached to flush-mounted buiL-in pipes	85,55	4,34
25.130.4100	<b>WASHBASIN SENSOR FAUCET AND ITS PIPING SYSTEM (TS EN 15091): (Unit: Qty., Materials on construction site: 60%)</b> Supply to the work site, installation and delivery in working order of a sensor faucet including its piping system, with single or double water inlets, which can adjust the flow rate by a filter angle valve, can be powered by a battery or a power adapter, allows 60 to 120 seconds of water flow, complete with angle valves and a washbasin siphon with a U-pipe.		
25.130.4101	Sensor faucet and piping for washbasin, with two water inlets:	1.016,30	18,46
25.130.4102	Sensor faucet and piping for washbasin, with single water inlet:	829,76	18,46
25.130.4200	<b>URINAL SENSOR TAP (Unit: Qty., Materials on construction site: 60%)</b> Supply to the work site and installation of a urinal sensor tap with fresh water inlet at the back or top, battery or adapter power unit, complete with a copper pipe for supplying fresh water to the urinal, and necessary fittings.		
25.130.4201	Sensor tap for urinal, surface-mounted:	783,18	18,46
25.130.4202	Sensor tap for urinal, flush-mounted:	839,78	18,46
25.130.4300	<b>THERMOSTATIC BATH MIXER (TS EN 1111): (Unit: Qty., Materials on construction site: 60%)</b> Supply to the work site, installation and deliver in working order of a thermostatic bath mixer that maintains the utility water temperature at a set value between 15 and 65°C, equipped with a safety button at 38°C to prevent scalding, an eco mode button that limits the water flow rate, and a check valve that completely cuts off the water for safety in case of sudden changes in the amount and pressure of hot or cold water.	472,46	18,46
25.130.4410	<b>TIME-CONTROL WASHBASIN TAP AND PIPING: (Unit: Qty., Materials on construction site: 60%)</b> Supply to the work site, installation and delivery in working order of chromized, time-control washbasin tap and piping with angle valves and U-pipe washbasin siphon and single water inlet, which can be adjusted between 5 and 60 seconds,	322,96	18,46

### Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.130.4422	<b>Time-control tap for urinal, flush-mounted:</b> Supply to the work site, installation and delivery in working order of time-control, flush-mounted taps compatible with urinals with fresh water inlet at the top or back, and water flow time adjustable between 5 and 60 seconds,	325,33	18,46
25.130.4500	<b>FLUSH-MOUNTED TIMER-BUTTON RESERVOIR: (Unit: Qty.)</b> Supply to the work site and installation of reservoirs which can be directly connected to the plumbing system (piping) and used in Squat Toilet Pans and toilet bowls.	194,34	18,46
<b>25.130.5000</b>	<b>Extension Parts: (Processed by chip removal and in compliance with TS 3143.)</b>		
25.130.5001	1.0 cm extension, chrome-plated (1/2")	7,31	2,90
25.130.5002	1.5 cm extension, chrome-plated (1/2")	7,80	2,90
25.130.5003	2.0 cm extension, chrome-plated (1/2")	8,79	2,90
25.130.5004	2.5 cm extension, chrome-plated (1/2")	9,05	2,90
25.130.5005	3.0 cm extension, chrome-plated (1/2")	10,00	2,90
25.130.5006	4.0 cm extension, chrome-plated (1/2")	11,41	2,90
25.130.5007	5.0 cm extension, chrome-plated (1/2")	12,18	2,90
<b>25.130.6000</b>	<b>Siphons, for washbasins, sinks and urinals (TS EN 274-1-2-3):</b>		
25.130.6001	Washbasin and sink siphon	74,16	11,66
25.130.6004	Plastic siphon for washbasins and sinks (sized to comply with TS-EN 274-1-2-3, resistant to temperatures up to 80°C, and equipped with a 6-cm anti-odor part);	20,05	11,66
25.130.6006	Urinal siphon (with a 6-cm hard plastic anti-odor part, extension to the wall and a large adapter);	16,21	11,66
25.130.6007	Plastic (PVC-based) Ø100 mm (with 6-cm anti-odor part);	16,21	11,66
25.130.6008	Supply and installation of bathtub waste water piping with a faucet, chain, plug, base siphon, and overflow pipe.	39,38	11,66
<b>25.130.6010</b>	<b>Cistern</b>		
25.130.6011	Reservoir with hard PVC float valve	42,04	9,98
<b>25.135.1000</b>	<b>SOAP DISH (SPONGE DISH): (Unit: Qty., Materials on construction site: 60%):</b>		
25.135.1100	<b>Ceramic soap dish (Tabbed):</b> Supply to the work site and installation of extra-quality white ceramic soap dish with a tab and drainboard, which can be half embedded in the wall or surface mounted with ceramic installation components. Note: If colored glazed ceramic is used, installed prices shall be increased by 15% with the installation fee remaining unchanged.		
25.135.1101	Approximately 16 x 16 cm	26,58	2,90
25.135.1102	Approximately 16 x 31 cm	35,29	2,90
<b>25.135.1200</b>	<b>Ceramic soap dish (non-tabbed):</b> Supply to the work site and installation of extra-quality white ceramic soap dish with a drainboard, which can be half embedded in the wall or surface mounted with ceramic installation components. Note: If colored glazed ceramic is used, installed prices shall be increased by 15% with the installation fee remaining unchanged.		
25.135.1201	Approximately 10 x 16 cm	25,30	2,90
25.135.1202	Approximately 16 x 16 cm	18,78	2,90
25.135.1203	Sponge dish: (Tabbed) 16 x 31 cm	31,19	2,90

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.135.2000</b>	<b>PAPER DISPENSER: (Unit: Qty., Materials on construction site: 60%).</b>		
25.135.2001	<b>Ceramic tiles:</b> Supply to the work site and installation of extra-quality white ceramic paper dispenser, which can be half embedded in the wall or surface mounted with installation components. 16 x 16 cm	35,96	8,31
25.135.2002	<b>Stainless Steel:</b> Supply to the work site and installation of a stainless steel sheet paper dispenser with chromized set screws and special wedges or dowel pins.	36,21	8,31
25.135.2003	Accessible paper dispenser	68,21	8,31
<b>25.135.3000</b>	<b>HANGER (Unit: Qty: Materials on construction site 60%)</b>		
25.135.3001	Ceramic tiles: Supply to the work site and installation of an extra-quality, white, flush- or surface-mounted hanger with installation components. Approximately 10 x 16 cm	22,91	5,36
----	<b>HANDLE BARS FOR THE HANDICAPPED (Unit: Qty.)</b>		
<b>25.135.4001</b>	<b>Handle bar for the disabled:</b> Chrome-plated stainless steel, approximately 600 mm, min. Ø30 mm (prices in installed form shall be decreased by 10% with the installation fee remaining unchanged in case of spray coating instead of chrome plating.)	154,76	25,26
25.135.4002	<b>135° handle bar for the disabled:</b> Chrome-plated stainless steel, approximately 375 x 375 mm, min. Ø30 mm (prices in installed form shall be decreased by 10% with the installation fee remaining unchanged in case of spray coating instead of chrome plating.)	196,10	25,41
25.135.4003	<b>Flush toilet handle bar for the disabled:</b> Chrome-plated stainless steel, approximately 700 x 740 mm, min. Ø30 mm (prices in installed form shall be decreased by 10% with the installation fee remaining unchanged in case of spray coating instead of chrome plating.)	258,78	25,41
25.135.4004	<b>Foldable handle bar for the disabled:</b> Chrome-plated stainless steel, approximately 800 mm, min. Ø30 mm (prices in installed form shall be decreased by 10% with the installation fee remaining unchanged in case of spray coating instead of chrome plating.)	340,61	25,41
<b>25.138.1000</b>	<b>FLOOR DRAIN STRAINERS: (in compliance with TS-327) Unit: Qty.</b> Supply to the work site and installation of a floor drain strainer with built-in odor closure, grating and cleaning plug.		
25.138.1011	Pig-cast, 15x15 cm. with Ø50 outlet	80,81	14,00
25.138.1012	Pig-cast, 15x15 cm. with Ø70 outlet	86,60	14,00
25.138.1013	Pig cast, 20x20 cm. with Ø70 outlet	97,97	14,00
25.138.1021	Plastic, 10x10 cm. with Ø50 outlet	15,11	10,00
25.138.1022	Plastic, 15x15 cm. with Ø50 outlet	15,20	10,00
25.138.1023	Plastic, 15x15 cm. with Ø70 outlet	16,20	10,00
25.138.1031	With chrome-plated brass grating and plastic housing, 10x10 cm. with Ø50 outlet	25,00	10,00
25.138.1032	With chrome-plated brass grating and plastic housing, 15x15 cm. with Ø70 outlet	28,75	10,00
<b>25.142.1000</b>	<b>WATER METERS: (in compliance with (TS EN ISO 4064-1) (Unit: Qty.)</b> Supply to the work site and installation of water meters with CE marking as per the Measuring Instruments Directive (2004/22/EU).		
<b>25.142.1100</b>	<b>Cold water meters:</b>		
25.142.1101	Ø20 mm (3/4"), threaded	87,68	15,14

## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.142.1102	Ø25 mm (1"), threaded	177,46	25,41
25.142.1103	Ø40 mm (1 1/2"), threaded	320,90	37,13
25.142.1104	Ø50 mm , flanged	502,28	41,99
25.142.1105	Ø80 mm , flanged	615,51	46,85
25.142.1106	Ø100 mm , flanged	673,45	51,71
<b>25.142.1200</b>	<b>Hot water meters:</b>		
25.142.1201	Ø20 mm (3/4"), threaded	97,19	15,14
25.142.1202	Ø25 mm (1"), threaded	216,45	25,41
25.142.1203	Ø40 mm (1 1/2"), threaded	414,98	37,13
<b>25.144.1000</b>	<b>FLOATER (Unit: Qty: Materials on construction site 60%)</b> Supply to the work site, installation and delivery in working order of a floater in sphere or open sphere form, hard plastic buoy that does not allow water ingress, brass lever, closer and connection bushes.		
25.144.1001	Ø10 mm (3/8")	25,39	5,89
25.144.1002	Ø15 mm (1/2")	26,83	7,33
25.144.1003	Ø20 mm (3/4")	28,84	8,84
25.144.1004	Ø25 mm ( 1")	32,31	9,81
25.144.1005	Ø32 mm (1 1/4")	78,28	11,78
25.144.1006	Ø40 mm (1 1/2")	90,24	13,74
25.144.1007	Ø50 mm ( 2")	102,20	15,70
<b>25.145.1000</b>	<b>COLLAR SOCKET (Unit: Qty: Materials on construction site 60%)</b> Supply and installation in necessary size for water supply from the water supply network to the piping system.		
25.145.1001	Max. Ø15-32 mm (1/2"-1 1/4")	38,54	24,31
25.145.1002	Min. Ø40 mm (1 1/2")	53,69	24,31
<b>25.150.1000</b>	<b>WATER TANKS: (Unit: Qty., Materials on construction site: 40%)</b>		
25.150.1200	<b>Stainless Steel Prismatic Modular Water Tank: (Unit: Qty., Materials on construction site: 80%)</b> Supply to the work site, and installation to its designated location and the piping system of a fully AISI 304 stainless steel modular water tank certified for compliance with the Turkish Standards, with all internal and external material, tension bars, bolts, pedestals, manhole, air vents and connection nozzles made of non-corrosive materials, taps made of non-corrosive or brass, strength calculations and project designs approved by the administration, all parts factory manufactured by cold forming, bending or twisting, and PVC or polyethylene membrane at the bottom to prevent contact with the base material; which shall be assembled by bolts, using silicon and EPDM rubber seals, without any welding during production or at the installation site. Note: Non-corrosive or brass chromized taps on the tank, non-corrosive pedestals, level floater, ball valves of inlets and outlets, blowoff ball valves, air discharge breather device, overflow nozzle and pipe, level indicator, valves and drain tap, top and bottom manhole maintenance covers, and tank climbing ladder are included in the price. - Unit prices for other values shall be interpolated. - Sheet metal thickness table for tanks are available in the Plumbing general descriptions part.		
25.150.1201	1.25 m³	5.056,00	337,00
25.150.1202	2.50 m³	7.544,23	556,88

## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.150.1203	3.75 m <sup>3</sup>	10.214,88	674,00
25.150.1204	5.00 m <sup>3</sup>	12.054,35	825,38
25.150.1205	6.25 m <sup>3</sup>	14.532,26	942,50
25.150.1206	7.50 m <sup>3</sup>	16.186,10	1.079,50
25.150.1207	10.0 m <sup>3</sup>	18.123,01	1.465,13
25.150.1208	12.5 m <sup>3</sup>	22.970,85	1.616,50
25.150.1209	15.0 m <sup>3</sup>	23.871,34	1.836,38
25.150.1210	20.0 m <sup>3</sup>	28.521,11	2.022,00
25.150.1211	22.5 m <sup>3</sup>	30.387,25	2.241,88
25.150.1212	25.0 m <sup>3</sup>	34.551,88	2.427,50
25.150.1213	30.0 m <sup>3</sup>	36.481,25	2.578,88
25.150.1214	37.5 m <sup>3</sup>	43.460,68	2.764,50
25.150.1215	40.0 m <sup>3</sup>	44.547,59	2.964,50
25.150.1216	45.0 m <sup>3</sup>	50.088,78	3.184,38
25.150.1217	50.0 m <sup>3</sup>	52.874,23	3.208,50
25.150.1218	56.0 m <sup>3</sup>	59.631,16	3.672,75
25.150.1219	59.6 m <sup>3</sup>	63.540,35	3.926,88
25.150.1220	62.0 m <sup>3</sup>	66.808,99	4.195,38
25.150.1221	75.0 m <sup>3</sup>	75.836,85	4.498,13
25.150.1222	90.0 m <sup>3</sup>	90.576,58	4.786,50
25.150.1223	93.2 m <sup>3</sup>	91.455,10	5.055,00
25.150.1224	104.2 m <sup>3</sup>	102.154,23	5.323,50
25.150.1225	112.0 m <sup>3</sup>	105.881,84	5.611,88
25.150.1226	121.5 m <sup>3</sup>	113.705,50	5.914,63
<b>25.150.1300</b>	<p><b>Galvanized Prismatic Modular Water Tank: (Unit: Qty., Materials on construction site: 80%)</b>                      Prismatic Modular Galvanized Water Tank (Unit: Qty., Materials on construction site: 80%): Fully coated with hot-dip galvanized of DIN 1614 quality as per TSE standards, the deep drawn galvanized sheet metal products shall be coated with "Hot-dip Galvanized" materials following the cutting, bending, twisting, drilling, welding and forming. Coating shall be performed as per ISO 1461:2009. No welding shall be performed after galvanization. Supply to the work site, and installation to its designated location and piping system of a modular water tank with all interior and exterior materials, tension bars, bolts, pedestals shall be coated with hot-dip galvanized steel. Other specifications shall be the same as the item 25.150.1200. Note: Sheet metal thickness table for tanks are available in the Plumbing general descriptions part.</p>		
25.150.1301	1.25 m <sup>3</sup>	3.081,45	337,00
25.150.1302	2.50 m <sup>3</sup>	4.493,29	522,63
25.150.1303	3.75 m <sup>3</sup>	5.828,36	639,75
25.150.1304	5.00 m <sup>3</sup>	6.790,70	791,13
25.150.1305	6.25 m <sup>3</sup>	8.277,40	928,13
25.150.1306	7.50 m <sup>3</sup>	9.162,79	1.045,25
25.150.1307	10.0 m <sup>3</sup>	10.182,11	1.416,50
25.150.1308	12.5 m <sup>3</sup>	12.347,24	1.567,88
25.150.1309	15.0 m <sup>3</sup>	13.350,33	1.753,50

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.150.1310	20.0 m <sup>3</sup>	15.195,29	1.904,88
25.150.1311	22.5 m <sup>3</sup>	16.073,44	2.090,50
25.150.1312	250 m <sup>3</sup>	17.835,18	2.290,50
25.150.1313	30.0 m <sup>3</sup>	19.655,71	2.510,38
25.150.1314	37.5 m <sup>3</sup>	23.255,98	2.661,75
25.150.1315	40.0 m <sup>3</sup>	24.089,81	2.881,63
25.150.1316	45.0 m <sup>3</sup>	25.622,64	3.067,25
25.150.1317	500 m <sup>3</sup>	28.245,65	3.301,50
25.150.1318	56.0 m <sup>3</sup>	31.523,78	3.555,63
25.150.1319	59.6 m <sup>3</sup>	32.473,39	3.858,38
25.150.1320	62.0 m <sup>3</sup>	34.105,63	4.112,50
25.150.1321	75.0 m <sup>3</sup>	38.009,33	4.415,25
25.150.1322	90.0 m <sup>3</sup>	46.624,89	4.683,75
25.150.1323	93.2 m <sup>3</sup>	49.219,68	4.937,88
25.150.1324	104.2 m <sup>3</sup>	50.897,05	5.206,38
25.150.1325	112.0 m <sup>3</sup>	53.632,95	5.509,13
25.150.1326	121.5 m <sup>3</sup>	59.023,28	5.729,00
<b>25.150.1400</b>	<p><b>Stainless Steel Modular Water Tank with Cylindrical Bolts: (Unit: Qty., Materials on construction site: 80%)</b>                      Supply to the work site, and installation to its designated location and the piping system of a fully AISI 304 stainless steel modular water tank certified for compliance with the Turkish Standards, with all internal and external material, bolts, pedestals, manhole, air vents and connection nozzles made of non-corrosive materials, taps made of non-corrosive or brass, strength calculations and project designs approved by the administration, all parts factory manufactured by cold forming, bending or twisting, and PVC or polyethylene membrane at the bottom to prevent contact with the base material; which shall be assembled by bolts, using silicon and EPDM rubber seals, without any welding at the installation site.                      Note: Non-corrosive or brass chromized taps on the tank, non-corrosive pedestals, level floater, ball valves of inlets and outlets, blowoff ball valves, air discharge breather device, overflow nozzle and pipe, level indicator, valves and drain tap, top and bottom manhole maintenance covers, and tank climbing ladder are included in the price (Unit prices for other values shall be interpolated).                      Capacity Diameter Height</p>		
25.150.1401	5.0 m <sup>3</sup> Ø2,500 mm 1000 mm	10.097,66	337,00
25.150.1402	10 m <sup>3</sup> Ø2,500 mm 2,000 mm	17.901,84	556,88
25.150.1403	14 m <sup>3</sup> Ø2,500 mm 2,900 mm	21.688,63	942,50
25.150.1404	11 m <sup>3</sup> Ø3,800 mm 1,000 mm	22.872,18	674,00
25.150.1405	23 m <sup>3</sup> Ø3,800 mm 2,000 mm	32.282,59	1.348,00
25.150.1406	33 m <sup>3</sup> Ø3,800 mm 2,900 mm	40.559,74	2.207,63
25.150.1407	20 m <sup>3</sup> Ø5,000 mm 1,000 mm	27.532,36	1.230,88
25.150.1408	40 m <sup>3</sup> Ø5,000 mm 2,000 mm	50.175,86	3.252,88
25.150.1409	58 m <sup>3</sup> Ø5,000 mm 2,900 mm	56.819,31	3.638,50
25.150.1410	30 m <sup>3</sup> Ø6,200 mm 1,000 mm	45.918,25	2.241,88
25.150.1411	60 m <sup>3</sup> Ø6,200 mm 2,000 mm	68.800,23	4.449,50
25.150.1412	88 m <sup>3</sup> Ø6,200 mm 2,900 mm	85.396,44	4.649,50



### Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.150.1413	44 m³ Ø7,500 mm 1,000 mm	54.802,40	3.438,50
25.150.1414	88 m³ Ø7,500 mm 2,000 mm	91.849,09	4.649,50
25.150.1415	128 m³ Ø7,500 mm 2,900 mm	101.484,86	5.460,50
25.150.1416	60 m³ Ø8,700 mm 1,000 mm	69.484,36	3.638,50
25.150.1417	120 m³ Ø8,700 mm 2,000 mm	117.150,94	5.274,88
25.150.1418	172 m³ Ø8,700 mm 2,900 mm	139.873,78	6.066,00
25.150.1419	78 m³ Ø10,000 mm 1,000 mm	82.843,53	4.044,00
25.150.1420	156 m³ Ø10,000 mm 2,000 mm	137.938,13	5.660,50
25.150.1421	98 m³ Ø11,200 mm 1,000 mm	97.820,95	5.055,00
25.150.1422	153 m³ Ø12,500 mm 1,250 mm	143.277,51	5.460,50
<b>25.150.1500</b>	<p><b>Galvanized Modular Water Tank with Cylindrical Bolts: (Unit: Qty., Materials on construction site: 80%)</b>  Supply to the work site, and installation to its designated location and the piping system of a modular water tank fully coated by hot galvanization using deep-drawn sheet metal of DIN 1614 quality as per TSE standards with all interior and exterior materials, bolts, pedestals shall be coated with hot-dip galvanized steel. Other specifications shall be the same as the item 25.150.1200.  Capacity Diameter Height</p>		
25.150.1501	5.0 m³ Ø2,500 mm 1,000 mm	5.139,21	337,00
25.150.1502	10 m³ Ø2,500 mm 2,000 mm	10.359,39	522,63
25.150.1503	14 m³ Ø2,500 mm 2,900 mm	12.856,73	942,50
25.150.1504	11 m³ Ø3,800 mm 1,000 mm	10.639,58	674,00
25.150.1505	23 m³ Ø3,800 mm 2,000 mm	20.246,84	1.348,00
25.150.1506	33 m³ Ø3,800 mm 2,900 mm	22.657,24	2.207,63
25.150.1507	20 m³ Ø5,000 mm 1,000 mm	17.525,63	1.011,00
25.150.1508	40 m³ Ø5,000 mm 2,000 mm	27.948,65	2.613,13
25.150.1509	58 m³ Ø5,000 mm 2,900 mm	28.675,89	3.033,00
25.150.1510	30 m³ Ø6,200 mm 1,000 mm	22.130,83	1.870,63
25.150.1511	60 m³ Ø6,200 mm 2,000 mm	35.358,31	3.707,00
25.150.1512	88 m³ Ø6,200 mm 2,900 mm	42.068,05	3.892,63
25.150.1513	44 m³ Ø7,500 mm 1,000 mm	26.918,25	2.813,13
25.150.1514	88 m³ Ø7,500 mm 2,000 mm	44.642,60	3.892,63
25.150.1515	128 m³ Ø7,500 mm 2,900 mm	50.951,45	4.566,63
25.150.1516	60 m³ Ø8,700 mm 1,000 mm	34.550,39	3.033,00
25.150.1517	120 m³ Ø8,700 mm 2,000 mm	55.147,53	4.381,00
25.150.1518	172 m³ Ø8,700 mm 2,900 mm	66.084,70	5.055,00
25.150.1519	78 m³ Ø10,000 mm 1,000 mm	41.565,10	3.370,00
25.150.1520	156 m³ Ø10,000 mm 2,000 mm	65.800,09	4.718,00
25.150.1521	98 m³ Ø11,200 mm 1,000 mm	50.501,53	4.112,50
25.150.1522	153 m³ Ø12,500 mm 1,250 mm	65.113,80	4.566,63

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.150.1600</b>	<p><b>Glass-fiber Reinforced Polyester (GRP) Modular water tanks (Unit: Qty., Materials on construction site: 80%):</b>  Supply to the work site of GRP (a composite material made of glass-fiber-reinforced polyester compressed by hot pressing) modular water tanks fully made of Glass-fiber-reinforced Polyester (GRP) composite material, with exterior reinforcement materials made of hot-dip galvanized profile, all interior tension bars and shoes made of AISI 316 non-corrosive material or the same material as the housing, strength calculations and project designs approved by the administration, all sheets factory-made by hot pressing under high pressure, assembly by screws using silicon and EPDM rubber seals without any need for welding, PVC or polyethylene membranes at the bottom to prevent contact with the base of the tank, which shall be certified for compliance with the Turkish Standards (TSE) as well as compliance with food legislation awarded by domestic and foreign authorized bodies.  Supply to the work site of a modular GRP (composite material manufactured by glass-reinforced polyester compressed by hot press) water tank that is awarded a certificate of compliance with the Turkish Standards (TSE) as well as a certificate of compliance with food legislation issued by domestic and foreign authorized bodies. Note: Inlet and outlet nozzles, blowoff nozzles, manhole and balance hole, and ladders to be installed on the tank shall be included in the price. (Unit prices of other values shall be interpolated).</p>		
25.150.1601	1 m <sup>3</sup>	5.247,35	488,38
25.150.1602	3 m <sup>3</sup>	8.700,15	825,38
25.150.1603	5 m <sup>3</sup>	12.743,59	1.416,50
25.150.1604	10 m <sup>3</sup>	19.589,71	1.953,50
25.150.1605	15 m <sup>3</sup>	21.020,08	2.359,00
25.150.1606	20 m <sup>3</sup>	26.039,56	2.847,38
25.150.1607	30 m <sup>3</sup>	30.790,54	3.487,13
25.150.1608	40 m <sup>3</sup>	36.490,40	4.195,38
25.150.1609	50 m <sup>3</sup>	42.059,04	4.786,50
25.150.1610	60 m <sup>3</sup>	48.152,16	5.392,00
25.150.1611	70 m <sup>3</sup>	53.855,28	5.660,50
25.150.1612	80 m <sup>3</sup>	66.143,38	6.066,00
25.150.1613	90 m <sup>3</sup>	74.649,49	6.471,50
25.150.1614	100 m <sup>3</sup>	80.679,29	6.891,38
25.150.1615	120 m <sup>3</sup>	92.969,45	7.531,13
25.150.1616	150 m <sup>3</sup>	109.891,33	8.239,38
25.150.1617	180 m <sup>3</sup>	123.257,34	8.913,38
25.150.1618	200 m <sup>3</sup>	133.666,70	10.110,00
25.150.1619	240 m <sup>3</sup>	159.438,04	11.526,50
25.150.1620	270 m <sup>3</sup>	179.456,08	12.537,50
25.150.1621	300 m <sup>3</sup>	205.711,30	13.548,50
25.150.1622	350 m <sup>3</sup>	217.982,73	14.979,38
25.150.1623	400 m <sup>3</sup>	261.451,38	15.907,50
25.150.1624	440 m <sup>3</sup>	295.884,99	16.581,50
25.150.1625	480 m <sup>3</sup>	311.290,51	17.187,00

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.160.0000</b>	<b>BOOSTER PUMPS (Unit: Qty.)</b>		
<b>25.160.1000</b>	<p><b>FULLY AUTOMATIC WITH A CENTRIFUGAL PUMP WITH VERTICAL OR HORIZONTAL SHAFT BOOSTER PUMP PACKAGE (Unit: Qty. Materials on construction site: 80%)</b></p> <p>Booster pump package with the specifications provided below, equipped with a strainer, check valve, ball valves for turning on and off, automatic pressure switches (equal to the number of pumps) with upper and lower limits adjustable to the required pressure, a manometer that indicates water pressure, safety against operation without water by a floater with thermal protection against overload or level control electrode, and with switches and indicators located on the housing. Supply to the work site, installation and delivery in fully working order of a fully automatic booster pump that is made up of a Centrifugal Pump with TSE certificate of compliance, and equipped with a vertical or horizontal shaft with different number of steps depending on the capacity, a motor sealed by a mechanical seal and coupled with the pump with connection flanges directly or by means of a special coupling, and with a 3,000-rpm single-phase or three-phase pump motor that activates individually or jointly depending on the water demand; and of a Pressurized Tank with TSE certificate of compliance, and equipped with a sufficient number of balance tanks made of St. 37-2 materials with an airtight, replaceable membrane in compliance with TS EN ISO 11124-1, 2, 3, 4, with the pump and motor fixed on the same chassis or connected by a connection tube, protected by any necessary means against corrosion, all pipes, collectors and cable connections made and certified for quality per TSE, and with vertical or horizontal shaft. NOTE 1- Minimum switching rate of the pump: 180 times/h for up to 1.1 KW of pump power, and 40 times/h for over 1.1 KW of pump power. 2- The capacities specified for the booster pumps with multiple pumps are the sum of pump flow rates.</p>		
<b>25.160.1100</b>	<p><b>Single-pump booster with Vertical-shaft Centrifugal Pump:</b> Flow rate: m<sup>3</sup> / h Pressure: Mwc</p>		
25.160.1101	0 - 5      20 - 40	2.915,15	165,75
25.160.1102	0 - 5      40 - 60	3.121,23	190,06
25.160.1103	0 - 5      60 - 80	3.289,06	207,19
25.160.1104	5 - 15     20 - 40	3.521,44	231,50
25.160.1105	5 - 15     40 - 60	3.787,89	248,63
25.160.1106	5 - 15     60 - 80	4.633,16	272,94
25.160.1107	15 - 30    20 - 40	6.227,39	290,06
25.160.1108	15 - 30    40 - 60	6.657,91	314,38
25.160.1109	15 - 30    60 - 80	8.155,81	331,50
<b>25.160.1200</b>	<p><b>Two-pump booster with Vertical-shaft Centrifugal Pump:</b> Flow rate: m<sup>3</sup> / h Pressure: mWC</p>		
25.160.1201	0 - 10      30 - 60	6.507,16	207,19
25.160.1202	0 - 10      60 - 90	7.051,45	248,63
25.160.1203	10 - 30     30 - 60	7.894,99	269,35
25.160.1204	10 - 30     60 - 90	9.000,80	290,06
25.160.1205	30 - 60     30 - 60	13.031,16	372,94
25.160.1206	30 - 60     60 - 90	16.287,15	414,38
<b>25.160.1300</b>	<p><b>Three-pump booster with Vertical-shaft Centrifugal Pump:</b> Flow rate: m<sup>3</sup> / h Pressure: mWC</p>		
25.160.1301	0 - 20      30 - 60	8.725,89	248,63
25.160.1302	0 - 20      60 - 90	10.113,91	269,35
25.160.1303	20 - 50     30 - 60	15.987,99	290,06
25.160.1304	20 - 50     60 - 90	18.878,26	331,50

## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.160.1305	50 - 80    30 - 60	20.472,78	372,94
25.160.1306	50 - 80    60 - 90	24.079,34	414,38
25.160.1307	80 - 120    60 - 90	30.598,61	455,81
<b>25.160.1400</b>	<b>Single-pump booster with Horizontal-shaft Centrifugal Pump:</b> Flow rate: m <sup>3</sup> / h Pressure: mWC		
25.160.1401	1 - 3        15 - 30	1.287,44	165,75
25.160.1402	1 - 3        30 - 45	1.712,81	190,06
25.160.1403	1 - 3        45 - 70	1.886,26	207,19
25.160.1404	3 - 6        15 - 30	2.072,85	231,50
25.160.1405	3 - 6        30 - 45	2.545,63	248,63
25.160.1406	3 - 6        45 - 70	3.844,33	272,94
25.160.1407	6 - 10       15 - 30	3.878,35	290,06
25.160.1408	6 - 10       30 - 45	4.320,69	314,38
25.160.1409	6 - 10       45 - 70	4.962,94	331,50
<b>25.160.1500</b>	<b>Two-pump booster with Horizontal-shaft Centrifugal Pump:</b> Flow rate: m <sup>3</sup> / h Pressure: mWC		
25.160.1501	8 - 24       30 - 50	7.136,18	269,35
25.160.1502	8 - 24       50 - 70	8.576,36	290,06
25.160.1503	24 - 48      30 - 50	11.596,85	372,94
25.160.1504	24 - 48      50 - 70	12.834,89	414,38
<b>25.160.1600</b>	<b>Three-pump booster with Horizontal-shaft Centrifugal Pump:</b> Flow rate: m <sup>3</sup> / h Pressure: mWC		
25.160.1601	10 - 35      30 - 50	10.003,50	248,63
25.160.1602	10 - 35      50 - 70	14.153,13	269,35
25.160.1603	35 - 70      30 - 50	16.997,93	290,06
25.160.1604	35 - 70      50 - 70	20.469,13	331,50
<b>25.160.2000</b>	<b>Booster Pump with Frequency Converter:</b> Supply to the work site and installation a frequency-converter booster pump with thermal protection, which shall be installed on a metal chassis, connected together by suction and pump collectors by means of the required check valves, valves and fittings, selected to automatically operate 1 to 6 multi-stage pumps, and made up of a power control panel with an integral frequency converter unit, and equipped with rotation feature that enables or disables the pumps in a given order by means of an analog pressure sensor filters that prevent damaging voltage fluctuations in the control panel, digital regulation feature, programming function, fuses, and safety systems including a motor protection breaker, and protection against dry operation, short circuit or voltage pressure sensor malfunction, an alphanumeric liquid crystal display (LCD) and menu control panel, and electric motors in IP 54 protection class.		
<b>25.160.2100</b>	<b>Single-pump Booster with Vertical Shaft and Frequency Converter:</b> Flow rate: m <sup>3</sup> / h Pressure: mWC		
25.160.2101	0 - 5        20 - 40	7.473,90	165,75
25.160.2102	0 - 5        40 - 60	8.023,66	190,06
25.160.2103	0 - 5        60 - 80	8.279,59	207,19
25.160.2104	5 - 15       20 - 40	10.378,56	231,50
25.160.2105	5 - 15       40 - 60	10.504,59	248,63
25.160.2106	5 - 15       60 - 80	10.855,60	272,94
25.160.2107	15 - 30      20 - 40	13.739,94	290,06

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.160.2108	15- 30      40 - 60	14.860,55	314,38
25.160.2109	15- 30      60 - 80	16.031,68	331,50
<b>25.160.2200</b>	<b>Two-pump Booster with Vertical Shaft and Frequency Converter:</b> Flow rate: m <sup>3</sup> / h Pressure: mWC		
25.160.2201	0 - 10      30 - 60	11.305,09	207,19
25.160.2202	0 - 10      60 - 90	12.936,85	248,63
25.160.2203	10 - 30      30 - 60	17.649,55	269,35
25.160.2204	10 - 30      60 - 90	19.710,56	290,06
25.160.2205	30 - 60      30 - 60	22.768,51	410,14
25.160.2206	30 - 60      60 - 90	26.548,85	451,58
<b>25.160.2300</b>	<b>Three-pump Booster with Vertical Shaft and Frequency Converter:</b> Flow rate: m <sup>3</sup> / h Pressure: mWC		
25.160.2301	0 - 20      30 - 60	16.655,24	248,63
25.160.2302	0 - 20      60 - 90	18.096,79	269,35
25.160.2303	20 - 50      30 - 60	24.314,04	290,06
25.160.2304	20 - 50      60 - 90	27.357,96	331,50
25.160.2305	50 - 80      30 - 60	28.762,53	410,14
25.160.2306	50 - 80      60 - 90	33.052,60	451,58
25.160.2307	80 - 120      60 - 90	39.612,38	493,01
<b>25.160.2400</b>	<b>Four-pump Booster with Vertical Shaft and Frequency Converter:</b> Flow rate: m <sup>3</sup> / h Pressure: mWC		
25.160.2401	0 - 30      30 - 60	22.797,18	290,06
25.160.2402	0 - 30      60 - 90	26.150,48	331,50
25.160.2403	30 - 60      30 - 60	30.463,34	372,94
25.160.2404	30 - 60      60 - 90	37.377,03	451,58
25.160.2405	60 - 90      30 - 60	38.659,74	493,01
25.160.2406	60 - 90      60 - 90	48.860,38	534,45
<b>25.160.2500</b>	<b>Five-pump Booster with Vertical Shaft and Frequency Converter:</b> Flow rate: m <sup>3</sup> / h Pressure: mWC		
25.160.2501	0 - 40      30 - 60	34.002,18	331,50
25.160.2502	0 - 40      60 - 90	36.015,91	372,94
25.160.2503	40 - 80      30 - 60	49.205,01	414,38
25.160.2504	40 - 80      60 - 90	57.126,45	455,81
25.160.2505	80 - 120      30 - 60	60.301,93	534,45
25.160.2506	80 - 120      60 - 90	77.711,11	575,89
<b>25.160.2600</b>	<b>Six-pump Booster with Vertical Shaft and Frequency Converter:</b> Flow rate: m <sup>3</sup> / h Pressure: mWC		
25.160.2601	0 - 50      30 - 60	38.461,31	372,94
25.160.2602	0 - 50      60 - 90	39.773,25	414,38
25.160.2603	50 - 100      30 - 60	50.960,49	455,81
25.160.2604	50 - 100      60 - 90	61.549,91	534,45
25.160.2605	150 - 200      30 - 60	75.453,93	575,89
25.160.2606	150 - 200      60 - 90	92.713,71	617,33
25.160.2607	200 - 250      60 - 90	104.681,00	658,76

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.165.1000</b>	<p><b>WATER SOFTENING DEVICE: (Unit: Qty. Materials on construction site: 80%) (TSE Quality Certificate).</b>                      Supply to the work site, connection to the installation, and delivery in working order, a concrete base, solution, bireti bottle, operating - maintenance instructions in a framed glass, and a log book, of a water softening device with the specifications provided below, coated with two layers of epmey or epikot paint inside and outside for protection of the salt vessel and tank against corrosion, with quartz sand filter and synthetic resin, equipped with galvanized piping coated with two layers of oil paint that allows reverse wash where necessary, valves installed on a panel coated with two layers of oil paint, inlet and outlet manometers, sampling taps and water meter. (Water meter and concrete base shall be charged separately by the relevant unit prices.) Operating pressure: 6 ATM. NOTE: if the tanks are entirely galvanized, the relevant installed unit prices shall be raised by 23% and the installation fees shall remain unchanged.                      Flow rate m<sup>3</sup>/reg. F. Hardness / reg.</p>		
25.165.1001	1            8            240,000	1.929,26	248,63
25.165.1002	2.5          20          600,000	2.938,51	256,91
25.165.1003	5            40          1,200,000	5.856,55	269,35
25.165.1004	7.5          60          1,800,000	11.359,50	290,06
25.165.1005	10          80          2,400,000	13.640,71	310,79
25.165.1006	15          120        3,600,000	18.892,86	368,70
25.165.1007	20          160        4,800,000	23.054,39	389,43
25.165.1008	25          200        6,000,000	27.325,98	410,14
25.165.1009	30          240        7,200,000	38.844,45	473,89
25.165.1010	40          320        9,600,000	47.289,09	515,33
25.165.1011	50          400        12,000,000	58.223,33	556,76
25.165.2000	Water softening device with two tanks. (Tandem): Quality certified. Two tanks except the salt tank with each tank charged 70% higher than the unit prices including installation in the item 25.165.1000 and installation fees.		

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.165.3000	<p><b>Fully automatic water softening device (Unit: Qty., Materials on construction site: 80%) (1 - 39 m³/hour)</b>                      With specifications provided below, and equipped with a resin tank coated with glass-fiber reinforced polyester over ISO-certified polypropylene or made of ST 37 steel per TS pressurized vessel norms with the interior and exterior coated with hot-dip galvanized steel, with 10 at test pressure, 2 to 8 at operating pressure, salt tank made of anti-corrosion polyethylene and equipped with a polyethylene cover with a capacity to take at least the amount required for regeneration, which shall be equipped with a salt water suction pipe, a filter on the pipe inlet, a salt water suction protector made of PVC pipe, a salt tank overflow pipe and a discharge end. Supply to the work site, building of a concrete base, connection to the installation, and delivery in working order, including a test kit for measurement of water hardness, and operating and maintenance manuals in Turkish, of a multi-way water softening device made of plastic or metal resistant to salt water corrosion, with a resin bed height of 0.7 to 1.2 m., resin carrier quartz filter fixed bed height of 25 to 35 cm, required salt amounts and durations factory-preset/adjustable, two sampling taps with automatic valves and inlet and outlet manometers, and two ends equipped with threads or bushes for ease of connection to the piping system, which shall be awarded an international certificate of quality, capable of starting regeneration fully automatically once a certain amount of soft water that is pre-programmed and equal to the device capacity has passed through based on the signals received from the meter on the output line; preparing the salt water required for microprocessor-controlled or electromechanical regeneration, which distributes and collects water in the tank by means of filters installed on the platform and/or octopus filter pipes. Concrete base shall be charged separately by the relevant unit prices. NOTE: Input water hardness is assumed to be 30°F. Accordingly, the resin capacity is assumed to be 6000°F/liter.                      - Water softener device bed speed shall be 30 to 35 m/h. - The tank shall be sized with 40% swelling taken into consideration.                      Flow Rate Capacity Resin: °Fr Hard/Rej. m³/h m³/rej L</p>		
25.165.3001	1.0      7.0      35      210,000	4.162,54	414,38
25.165.3002	1.5      10.0      50      300,000	4.944,86	435,10
25.165.3003	2.25      15.0      75      450,000	5.985,58	455,81
25.165.3004	3.0      20.0      100      600,000	7.822,21	497,25
25.165.3005	3.75      25.0      125      750,000	9.227,73	538,69
25.165.3006	4.5      30.0      150      900,000	13.022,76	580,13
25.165.3007	6.0      40.0      200      1,200,000	15.759,73	621,56
25.165.3008	9.0      60.0      300      1,800,000	22.197,96	621,56
25.165.3009	12.0      80.0      400      2,400,000	26.920,36	658,76
25.165.3010	15.0      100.0      500      3,000,000	30.368,29	679,49
25.165.3011	18.0      120.0      600      3,600,000	35.461,80	700,20
25.165.3012	24.0      160.0      800      4,800,000	43.296,04	741,64
25.165.3013	30.0      200.0      1,000      6,000,000	51.465,39	805,39
25.165.3014	35.0      240.0      1,200      7,200,000	59.205,70	861,70
25.165.3015	39.0      260.0      1,300      7,800,000	65.435,14	903,14

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.165.4000</b>	<b>Fully automatic water softening device (Unit: Qty.) (45 - 135 m<sup>3</sup>/hour)</b> The specifications shall be the same as the item 25.165.3000 except that the resin tank with the specifications provided below shall be made of ST 37 steel in compliance with the norms of TS pressurized vessels, interior and exterior shall be coated with hot-dip galvanized steel in compliance with TS EN ISO 1461 or sanded, and coated with two layers of epoxy finish over two layers of epoxy primer, and equipped with a microprocessor controller that can retain a program on its memory for at least a month, an automatic valve group that directs the air or water required to drive the diaphragm valve controlled by the said valve and/or the controller, a metal or plastic housing that directs the raw water or process water, a rubber membrane, internal parts of the valve made of anti-corrosive brass, and with a sufficient number of diaphragm valves with threaded or flanged connection to the piping system and built to resist a water pressure of 8 at. Flow Rate Capacity Resin: °Fr Hard./Rej. m <sup>3</sup> /h m <sup>3</sup> /rej L		
25.165.4001	45            300            1,500            9,000,000	75.363,78	944,58
25.165.4002	60            400            2,000            12,000,000	92.506,80	1.060,40
25.165.4003	75            500            2,500            15,000,000	107.800,23	1.176,23
25.165.4004	84            560            2,800            16,800,000	114.444,05	1.292,05
25.165.4005	110           760           3,800           22,800,000	130.172,68	1.407,88
25.165.4006	135           900           4,500           27,000,000	158.658,10	1.523,70
<b>25.165.5000</b>	<b>Two-tank water softening device (tandem)</b> TSEK-certified, and with two tanks except the salt tank, the unit prices including installation and installation fees in the items 25.165.3000 and 4000 shall be raised for 90% for each tank.		
<b>25.170.1000</b>	<b>COLD AND HOT WATER COLLECTORS: (Materials on construction site: 40%)</b> Supply to the work site and installation on consoles or on a wall of black collector pipes for the heating system as per the item 25.245.1100 after galvanized in a galvanization bath.		
<b>25.170.1100</b>	<b>Galvanized collector pipe: (Unit: m)</b>		
25.170.1101	Ø50 mm (2")	83,36	24,86
25.170.1102	Ø80 mm (3")	122,71	29,73
25.170.1103	Ø100 mm (4")	168,29	36,58
25.170.1104	Ø125 mm (5")	214,56	41,44
25.170.1105	Ø150 mm (6")	254,05	44,86
<b>25.170.1200</b>	<b>Collector outlet: with galvanized sleeves (Unit: Qty.)</b>		
25.170.1201	Ø15 mm	7,88	5,15
25.170.1202	Ø20 mm	9,28	5,15
25.170.1203	Ø25 mm	10,01	5,15
25.170.1204	Ø32 mm	12,64	5,15
25.170.1205	Ø40 mm	14,83	6,85
25.170.1206	Ø50 mm	15,68	6,85
25.170.1207	Ø65 mm, flanged	58,93	6,85
25.170.1208	Ø80 mm, flanged	68,31	6,85
25.170.1209	Ø100 mm, flanged	87,89	8,58
25.170.1210	Ø125 mm, flanged	110,99	8,58
25.170.1211	Thermometer, hydrometer and drain holes (Unit: Qty.)	5,46	2,95



## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.175.0000</b>	<b>HOT WATER GENERATORS: (Unit: Qty., TS-736)</b>		
<b>25.175.1000</b>	<b>Boiler with copper pipe serpentine: (TS-736)</b> Supply to the work site, connection to the installation, and insulation with 5-cm-thick, mattress type glass wool insulation material, of a boiler manufactured in horizontal and vertical form as per TS-736, coated inside and outside with plastic-based epoxy or epikote paint against corrosion and resistant to 1.5 times its 6-ATM operating pressure, equipped with a flanged cover for installation of a serpentine group of copper pipes with min. 1.2-mm wall thickness installed as fully removable, and equipped with steel carrier pedestals. NOTE: Safety valves, valves and other fixtures on boiler connections shall be calculated per the relevant unit price.		
<b>25.175.1100</b>	<b>Boiler with copper serpentine pipes and 10 ATM operating pressure, other specifications similar to those of the item 25.175.1000.</b> Horizontal or vertical design, 10-bar operating pressure, 90/70°C serpentine and 10/60°C utility water temperature, minimum utility water flow rates and serpentine side maximum flow resistances		
25.175.1101	150 L - min. hot water flow rate: 410 L/h (0.3 kPa)	1.542,73	214,38
25.175.1102	200 L - min. hot water flow rate: 510 L/h (0.4 kPa)	1.846,55	234,25
25.175.1103	300 L - min. hot water flow rate: 550 L/h (0.4 kPa)	2.303,05	283,13
25.175.1104	500 L - min. hot water flow rate: 910 L/h (0.6 kPa)	3.358,76	369,98
25.175.1105	800 L - min. hot water flow rate: 1130 L/h (0.7 kPa)	4.339,25	411,41
25.175.1106	1000 L - min. hot water flow rate: 1200 L/h (0.7 kPa)	5.394,33	445,66
25.175.1107	1500 L - min. hot water flow rate: 1540 L/h (1.5 kPa)	7.678,29	487,10
25.175.1108	2000 L - min. hot water flow rate: 1920 L/h (3.0 kPa)	9.511,65	539,95
25.175.1109	2500 L - min. hot water flow rate: 2320 L/h (4.0 kPa)	12.151,01	588,58
25.175.1110	3000 L - min. hot water flow rate: 2640 L/h (7.0 kPa)	13.520,01	622,83
25.175.1111	4000 L - min. hot water flow rate: 3260 L/h (9.0 kPa)	17.962,76	742,89
25.175.1112	5000 L - min. hot water flow rate: 4090 L/h (12.0 kPa)	21.140,41	777,14
<b>25.175.1200</b>	<b>Boiler with iron serpentine pipe and 10-ATM operating pressure, other specifications shall be the same as the item 25.175.1000: The unit prices including installation in the item 25.175.1100 shall be reduced by 10%, and installation fees shall remain unchanged.</b>		
<b>25.175.1300</b>	<b>Double-wall boiler with 10-ATM operating pressure and other specifications the same as the item 25.175.1000 (TSE 736)</b> Unit prices in installed form and the installation fee shall be charged as per the item 25.175.1200		

### Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.175.1400</b>	<p><b>Single-serpentine Vertical Boiler;</b>                      Manufactured as per the standards TS EN13445-3, TS EN 12897 and TS 736, equipped with control and cleaning covers, a nozzle suitable to connect an electric heater if required, interior of the housing and the exterior surface of the serpentine pipes coated with min. 180 microns of enamel, the exterior surface of the housing coated with enamel or 2 layers of anti-rust paint to prevent the housing from corrosion from outside and resistant to a pressure of 1.3 times the 10-ATM operating pressure, serpentine pipes in compliance with the TS ISO 1129 standard, a 200 g/m<sup>2</sup> magnesium anode or external current anode per unit interior surface area, with the serpentine pipes and external current anodes in compliance with TS 10380 and the Pressurized Equipment Directive (2014/68/EU) if stainless steel serpentine pipes of quality 316 are used. Supply to the work site, installation to the plumbing system, and delivery in working order, of boilers with housing insulated with non-HCFC hard polyurethane of min. 40 kg/m<sup>3</sup> density and min. 50 mm thickness or with polyurethane sponges of min. 15 kg/m<sup>3</sup> density and min. 8 cm thickness which shall be covered with a layer of galvanized sheet metal or sheet metal with min. 50-micron electrostatic powder coating, or external cover with similar function. Note: Boiler capacities were calculated with 90/70°C source fluid and 10/60°C sanitary water temperatures, minimum utility water flow rates and maximum pressure drops in serpentine pipes.</p>		
25.175.1401	100 L - minimum hot water flow rate 240 L/h (0.3 kPa)	1.608,60	180,13
25.175.1402	160 L - minimum hot water flow rate 340 L/h (0.2 kPa)	1.978,90	214,38
25.175.1403	200 L - minimum hot water flow rate 440 L/h (1.0 kPa)	2.240,58	234,25
25.175.1404	300 L - minimum hot water flow rate 530 L/h (1.0 kPa)	2.697,40	283,13
25.175.1405	350 L - minimum hot water flow rate 580 L/h (2.0 kPa)	2.964,58	328,54
25.175.1406	500 L - minimum hot water flow rate 920 L/h (4.0 kPa)	3.654,74	369,98
25.175.1407	600 L - minimum hot water flow rate 920 L/h (4.0 kPa)	3.680,53	377,16
25.175.1408	800 L - minimum hot water flow rate 1340 L/h (10.0 kPa)	5.163,09	411,41
25.175.1409	1000 L - minimum hot water flow rate 1340 L/h (10.0 kPa)	5.734,26	445,66
25.175.1410	1250 L - minimum hot water flow rate 1450 L/h (14.0 kPa)	5.788,58	452,85
25.175.1411	1500 L - minimum hot water flow rate 1710 L/h (20.0 kPa)	8.084,58	505,70
25.175.1412	2000 L - minimum hot water flow rate 2210 L/h (40.0 kPa)	9.694,88	539,95
25.175.1413	2500 L - minimum hot water flow rate 2880 L/h (38.0 kPa)	11.643,18	588,58
25.175.1414	3000 L - minimum hot water flow rate 3330 L/h (58.0 kPa)	13.196,43	622,83
<b>25.175.1500</b>	<p><b>Vertical Boiler with Two Steel Serpentes</b>                      In vertical design with 10-bar operating pressure, 90/70°C serpentine and 10/60°C utility water temperature. The minimum utility water flow rates of the lower serpentine and upper serpentine, the maximum flow resistances of the serpentine side, and other specifications shall be similar to those of vertical boilers with single serpentine.</p>		
25.175.1501	160 L – Lower serpentine: 210 L/h (0.1 Kpa) - Upper serpentine: 150 L/h (0.1 Kpa)	2.696,05	214,38
25.175.1502	200 L – Lower serpentine: 270 L/h (0.2 Kpa) - Upper serpentine: 210 L/h (0.2 Kpa)	3.110,42	234,25
25.175.1503	300 L – Lower serpentine: 270 L/h (0.2 Kpa) - Upper serpentine: 210 L/h (0.2 Kpa)	3.844,62	283,13
25.175.1504	350 L – Lower serpentine: 310 L/h (0.5 Kpa) - Upper serpentine: 250 L/h (0.3 Kpa)	4.633,23	328,54
25.175.1505	500 L – Lower serpentine: 920 L/h (4.0 Kpa) - Upper serpentine: 540 L/h (1.0 Kpa)	5.417,86	369,98

### Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.175.1506	600 L – Lower serpentine: 920 L/h (4.0 Kpa) - Upper serpentine: 540 L/h (1.0 Kpa)	6.633,67	377,16
25.175.1507	800 L - Lower serpentine: 1340 L/h (10.0 Kpa) - Upper serpentine: 600 L/h (1.5 Kpa)	7.876,56	411,41
25.175.1508	1000 L - Lower serpentine: 1340 L/h (10.0 Kpa) - Upper serpentine: 600 L/h (1.5 Kpa)	8.433,11	445,66
25.175.1509	1250 L - Lower serpentine: 1450 L/h (14.0 Kpa) - Upper serpentine: 600 L/h (1.5 Kpa)	9.628,30	452,85
25.175.1510	1500 L - Lower serpentine: 1710 L/h (20.0 Kpa) - Upper serpentine: 600 L/h (1.5 Kpa)	10.869,15	505,70
25.175.1511	2000 L - Lower serpentine: 2210 L/h (40.0 Kpa) - Upper serpentine: 1000 L/h (5.0 Kpa)	13.905,36	539,95
25.175.1512	2500 L - Lower serpentine: 2880 L/h (38.0 Kpa) - Upper serpentine: 1230 L/h (4.0 Kpa)	19.040,12	588,58
25.175.1513	3000 L - Lower serpentine: 3330 L/h (58.0 Kpa) - Upper serpentine: 1530 L/h (7.0 Kpa)	20.602,01	622,83
<b>25.175.1600</b>	<p><b>Vertical Boiler with Single Copper Serpentine:</b>                      A detachable copper serpentine group with min. 1.2 mm wall thickness and connected to the housing with flanges. Galvanic corrosion measures shall be taken and insulation from the housing shall be established and cathodic protection shall be applied as per DIN 4753-3 for production and installation on the tank of the serpentine group with copper pipes. The boiler with single copper pipe serpentine as defined above shall be supplied and connected. The rest of the specifications shall be the same as those of the single-serpentine vertical boiler.</p>		
25.175.1601	160 L - min. hot water flow rate: 410 L/h (0.3 kPa)	5.526,88	214,38
25.175.1602	200 L - min. hot water flow rate: 510 L/h (0.4 kPa)	7.259,63	234,25
25.175.1603	300 L - min. hot water flow rate: 550 L/h (0.4 kPa)	8.066,26	283,13
25.175.1604	350 L - min. hot water flow rate: 630 L/h (0.4 kPa)	9.408,85	328,54
25.175.1605	500 L - min. hot water flow rate: 910 L/h (0.6 kPa)	10.574,23	369,98
25.175.1606	600 L - min. hot water flow rate: 910 L/h (0.6 kPa)	12.622,26	377,16
25.175.1607	800 L - min. hot water flow rate: 1130 L/h (0.7 kPa)	13.638,79	411,41
25.175.1608	1000 L - min. hot water flow rate: 1200 L/h (0.7 kPa)	14.912,91	445,66
25.175.1609	1250 L - min. hot water flow rate: 1300 L/h (0.9 kPa)	16.404,10	452,85
25.175.1610	1500 L - min. hot water flow rate: 1540 L/h (1.5 kPa)	17.940,95	505,70
25.175.1611	2000 L - min. hot water flow rate: 1920 L/h (3.0 kPa)	22.204,08	539,95
25.175.1612	2500 L - min. hot water flow rate: 2320 L/h (4.0 kPa)	28.648,08	588,58
25.175.1613	3000 L - min. hot water flow rate: 2640 L/h (7.0 kPa)	32.611,08	622,83
<b>25.175.1700</b>	<p><b>Vertical Boiler with Two Copper Serpentes</b>                      Where copper serpentine pipes are used instead of iron serpentine pipes, other specifications shall be the same as the item 25.175.1400. Unit prices including installation shall be 25% more than item 25.175.1400 and installation fees shall remain unchanged.</p>		
25.175.1701	160 L - minimum hot water flow rate 410 L/h (0.3 kPa) - 240 L/h (0.2 Kpa)	9.023,01	214,38
25.175.1702	200 L - minimum hot water flow rate 510 L/h (0.4 kPa) - 290 L/h (0.2 Kpa)	9.833,88	234,25
25.175.1703	300 L - minimum hot water flow rate 550 L/h (0.4 kPa) - 340 L/h (0.3 Kpa)	10.777,88	283,13
25.175.1704	350 L - minimum hot water flow rate 630 L/h (0.4 kPa) - 370 L/h (0.3 Kpa)	12.572,42	328,54
25.175.1705	500 L - minimum hot water flow rate 910 L/h (0.6 kPa) - 420 L/h (0.3 Kpa)	13.878,23	369,98

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.175.1706	600 L - minimum hot water flow rate 910 L/h (0.6 kPa) - 420 L/h (0.3 Kpa)	15.850,25	377,16
25.175.1707	800 L - minimum hot water flow rate 1130 L/h (0.7 kPa) - 610 L/h (0.4 Kpa)	17.493,16	411,41
25.175.1708	1000 L - minimum hot water flow rate 1200 L/h (0.7 kPa) - 770 L/h (0.6 Kpa)	19.042,04	445,66
25.175.1709	1250 L - minimum hot water flow rate 1300 L/h (0.9 kPa) - 800 L/h (0.6 Kpa)	20.895,91	452,85
25.175.1710	1500 L - minimum hot water flow rate 1540 L/h (1.5 kPa) - 870 L/h (0.6 Kpa)	22.795,45	505,70
25.175.1711	2000 L - minimum hot water flow rate 1920 L/h (3.0 kPa) - 1370 L/h (1.5 Kpa)	28.444,58	539,95
25.175.1712	2500 L - minimum hot water flow rate 2320 L/h (4.0 kPa) - 1150 L/h (0.2 Kpa)	34.488,71	588,58
25.175.1713	3000 L - minimum hot water flow rate 2640 L/h (7.0 kPa) - 1270 L/h (0.2 Kpa)	40.823,83	622,83
25.175.1800	<b>LOW TEMPERATURE BOILER WITH SINGLE STEEL PIPE SERPENTINE</b> This is vertical design boiler capable of operating at low temperatures of source fluid (55/50) C and 10-bar operating pressure. The rest of the specifications shall be similar to those of the vertical boilers with single serpentine (25.175.400). The capacities are based on 55/50°C serpentine and 10/45°C utility water temperature, minimum utility water flow rates and serpentine side maximum flow resistances.		
25.175.1801	160 L - minimum hot water flow rate 260 L/h (5.0 kPa)	3.017,01	214,38
25.175.1802	200 L - minimum hot water flow rate 410 L/h (16.0 kPa)	3.468,25	234,25
25.175.1803	300 L - minimum hot water flow rate 430 L/h (24.0 kPa)	4.355,38	283,13
25.175.1804	500 L - minimum hot water flow rate 430 L/h (30.0 kPa)	5.699,61	369,98
25.175.1805	800 L - minimum hot water flow rate 860 L/h (50.0 kPa)	8.311,79	411,41
25.175.1806	1000 L - minimum hot water flow rate 860 L/h (50.0 kPa)	8.893,79	445,66
25.175.1807	1500 L - minimum hot water flow rate 860 L/h (63.0 kPa)	11.506,20	505,70
25.175.1808	2000 L - minimum hot water flow rate 860 L/h (95.0 kPa)	15.147,20	539,95
<b>25.175.2500</b>	<b>Storage Tank;</b> It shall be used exclusively for storage of hot water, not generate hot water, and be without serpentine pipes, with the other specifications the same as the unit 25.175.1400		
25.175.2501	Storage Tank, 100 L	1.448,40	179,88
25.175.2502	Storage Tank, 150 L	1.684,51	213,88
25.175.2503	Storage Tank, 200 L	1.980,41	233,25
25.175.2504	Storage Tank, 300 L	2.394,00	282,00
25.175.2505	Storage Tank, 350 L	2.605,56	327,16
25.175.2506	Storage Tank, 500 L	3.271,31	368,48
25.175.2507	Storage Tank, 600 L	3.356,75	375,79
25.175.2508	Storage Tank, 800 L	4.557,59	409,79
25.175.2509	Storage Tank, 1,000 L	5.051,63	443,79
25.175.2510	Storage Tank, 1250 L	6.196,03	451,10
25.175.2511	Storage Tank, 1500 L	7.131,94	503,70
25.175.2512	Storage Tank, 2,000 L	8.898,10	537,70
25.175.2513	Storage Tank, 2500 L	11.234,20	586,33
25.175.2514	Storage Tank, 3,000 L	12.015,93	620,33

## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.175.2800</b>	<b>Installation of an Electric Heater and a Panel Board.</b> Installation of an electric heater and a panel board for use with the boiler and storage tanks as per the approved project.		
25.175.2801	Panel board with 1 x 2 Kw Heater	451,40	17,00
25.175.2802	Panel board with 1 x 3 Kw Heater	880,80	20,40
25.175.2803	Panel board with 1 x 4 Kw Heater	1.093,00	23,80
25.175.2804	Panel board with 1 x 7.5 Kw Heater	1.287,20	27,20
25.175.2805	Panel board with 1 x 10 Kw Heater	1.770,60	30,60
25.175.2806	Panel board with 2 x 4 Kw Heater	2.046,60	30,60
25.175.2807	Panel board with 2 x 7.5 Kw Heater	2.530,00	34,00
25.175.2808	Panel board with 2 x 10 Kw Heater	2.836,80	40,80
25.175.2809	Panel board with 3 x 7.5 Kw Heater	2.888,20	44,20
25.175.2810	Panel board with 3 x 10 Kw Heater	3.423,00	51,00
25.175.2811	Panel board with 4 x 7.5 Kw Heater	3.906,40	54,40
25.175.2812	Panel board with 4 x 10 Kw Heater	4.129,20	61,20
<b>25.175.3100</b>	<b>Double-wall Solar Boiler;</b> Supply and installation to the piping system of a horizontal, double-wall solar boiler with interior coated with 180-micron enamel, a housing resistant to 1.3 times the operating pressure of 8 ATM; with the housing insulated with a 5-cm-thick layer of polyurethane with 40 kg/m <sup>3</sup> density and the insulation layer coated with 0.70 micron of electrostatic powder-paint galvanized sheet metal casing or another type of casing with the same effect (If the boiler insulation material is glass wool, the installed unit prices shall be decreased by 10% with the installation fees remaining unchanged.)		
25.175.3101	85 liters	724,30	131,50
25.175.3102	100 liters	1.225,35	165,75
25.175.3103	120 liters	1.734,79	207,19
25.175.3104	150 liters	1.934,63	248,63
25.175.3105	170 liters	1.939,99	290,06
25.175.3106	200 liters	2.309,54	331,50
25.175.3107	300 liters	2.793,28	380,13
<b>25.175.4000</b>	<b>WATER HEATER: (Unit: Qty.)</b> (TS 615 EN 26+AC) Supply, connection to the installation and exhaust flue and delivery in working order of a water heater with enameled surface and minimum three meters of exhaust pipe as per Directive 2016/426/EU on Appliances Burning Gaseous Fuels, released with CE compliance marking.		
<b>25.175.4100</b>	<b>Natural Gas / LPG water heater (TS 615 EN 26/A1, A2, A3, AC)</b>		
25.175.4101	10 L/min (17.4 KW)	1.098,13	48,13
25.175.4102	13 L/min ( 22.5 KW)	1.610,63	48,13
<b>25.175.4200</b>	<b>Hermetically-sealed Natural Gas / LPG water heater (TS 615 EN 26/A1,A2, A3, AC)</b>		
25.175.4201	11 L/min (19KW)	1.297,10	72,10
25.175.4202	13 L/min ( 22.5 KW)	1.515,85	72,10
25.175.4203	14 L/min (24.4KW)	1.584,60	72,10
<b>25.175.4300</b>	<b>Electric water heaters (TS 2212 EN 60335-2-21/A2)</b> The devices shall be manufactured in compliance with the 2014/35/EU Low Voltage Directive (LVD) and released with the CE compliance marking. Note: Resistance powers are minimum values.		

## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.175.4301	15 L, 1,000 Watts	623,39	48,13
25.175.4302	30 L, 1500 Watts	710,31	48,13
25.175.4303	40 L, 1500 Watts	763,35	48,13
25.175.4304	50 L, 1500 Watts	788,51	48,13
25.175.4305	60 L, 1800 Watts	869,79	48,13
25.175.4306	80 L, 1800 Watt and above	953,41	63,98
25.175.4307	100 L, 1800 Watts and above	1.070,45	65,41
<b>25.178.1000</b>	<p><b>Solar collectors: (Unit: m<sup>2</sup>) (TS- EN 12975-1)</b>            Fixed solar collectors with regular fluid shall be manufactured as per TS EN 12975-1+A1 with a TSE compliance report, test report and product specifications submitted to the relevant authority, and for such solar collectors, non-recyclable materials should be avoided or minimized to the extent possible for the purpose of energy saving and reduction of pollution, aluminum materials shall be AL-6063 Etial-60 alloys, and materials that do not contain scrap aluminum and are non-flammable shall be used. The collector box shall be water-proof and designed to avoid collecting the condensed water within the collector. Collectors should guarantee that no undesirable stress occurs within the coating even at the highest static temperature. The collectors should be made of materials that will allow them to resist thermal shocks and static conditions that they may be exposed to in summer. The parts and materials of the collectors shall be resistant to the mechanical loads that may occur during the heating and cooling of the collector as well as environmental impacts caused by such factors as rain, snow, hail, wind, extreme humidity and air pollution. The panels shall be coated with oven-dried or sprayed paint or be compatible with the mechanical, thermal and selective specifications of the selective surface coating. The impact of such operations as cutting, welding and soldering on the absorber should be taken into consideration, and the absorber should be resistant to corrosion. The cover should remain transparent throughout the life cycle of the collector. The covers shall be resistant to ultraviolet radiation, air pollution and high humidity, and condense at high temperatures depending on the collector design. Glass wool or rock wool insulation material used in the side surfaces of the casing and at the back of the absorber shall be min. 3-cm-thick rock wool or glass wool collector mat with a rated thermal conductivity of <math>\lambda</math> 0.040 W/mK. Insulation materials shall be resistant to the local temperature that may arise during the static temperature conditions of the collector, and final condensation, reduction of panel performance or corrosion of metal surfaces, leading to melting or gas leak in the insulation material within the collector cover at such temperature shall not substantially reduce the collector's performance. The collector glass shall be low-iron-oxide with minimum 90% light transmittance and ensure a low amount of reflection loss. Glass thickness shall be min. 3 mm            The glycol-based fluid manufactured for solar systems to prevent corrosion and freezing of the circuit between the solar collector and heat exchanger should constitute 20% to 60% of the total fluid volume specified in the project design, depending on the climate.            All collector glasses shall be tempered.</p>		

## Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.178.1010	<b>Solar collectors with aluminum pipes and panels:</b> Solar collectors manufactured by extrusion or uLrasonic/laser welding method with absorber channels, with an internal diameter of min. 11 mm in natural circulation and 7 mm in forced circulation, integral wings, aluminum tubes, absorber surface coated with matte black paint, with other specifications the same as the item 25.178.1000.	408,25	82,88
25.178.1020	<b>Solar collectors copper pipes and copper panels, manufactured by uLrasonic or laser welding</b> Solar collectors with absorbers coated with matte black paint, manufactured by uLrasonic or laser welding of copper pipes with an internal diameter of 11 mm in natural circulation and 7 mm in forced circulation to copper plates, with the other specifications the same as the item 25.178.1000.	608,24	82,88
25.178.1030	<b>Selective-Surface Solar Collectors</b> Solar collector in compliance with the standards TS EN 12975-1 and TS EN 12975-2, with copper or aluminum interior with an internal diameter of 11 mm in natural circulation and 7 mm in forced circulation, an absorption value above 95%, selective surface coating, and min. 70% efficiency as per TS EN 12975-1+A1, with the other specifications the same as the item 25.178.1000.		
25.178.1031	Selective Aluminum-Surface Solar Collector	761,35	82,88
25.178.1032	Selective Copper-Surface Solar Collector	1.031,95	82,88
25.178.1100	<b>Pressure regulator:</b> Supply to the work site and installation of a regulator to be installed on the heating fluid circuit.	128,35	9,81
25.178.1200	<b>Solar Power Control Panel: (Unit: Qty.)</b> Installation and delivery in working order of panels with the differential temperature setting adjustable between +2°C and 20°C with one of the sensors used to generate hot water by the solar power system sensing the temperature of the collector and the other sensing the temperature of the boiler, thereby controlling the system accordingly, a digital screen indicating the collector temperature, boiler temperature and differential temperature setting, and starting or stopping the pump of the temperature difference between the solar collector and the boiler is higher than the set value. Note: The Control Panels shall be in compliance with the Regulation 2014/35/EU on electrical equipment designed for use within certain voltage limits, and version 89/336/EEC, version 92/31/EEC and version 93/68/EEC as per the regulation 93/68/EEC on EU electromagnetic compatibility, and bear a CE marking.	875,46	37,13
25.178.2001	<b>Galvanized sheet metal solar system carriers (Unit: kg)</b> Production of solar panel carriers made of galvanized sheet metal as per the approved project.	9,10	4,29
25.178.2002	<b>Aluminum profile solar system carriers (Unit: kg)</b> Production of solar panel carriers made of aluminum profile as per the approved project.	23,41	4,29
25.178.2003	<b>Stainless Steel solar system carriers (Unit: kg)</b> Production of solar panel carriers made of min. AISI 304 Stainless Steel as per the approved project.	26,79	4,29

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.180.1000</b>	<b>ULTRAVIOLET STERILIZATION DEVICE (Unit: Qty., Materials on construction site: 80%) (1.5 - 50 m³)</b> Supply to the work site, connection to the installation, and delivery in working order, with operator's and user's manual in Turkish, of a UV sterilization device whose specifications are provided below, with housing and wet surfaces made of stainless steel of AISI 304 quality, a cover transmitting 90 to 95% of UV beams for each ultraviolet lamp inside the housing so as to block contact of such lamps with water, minimum 30,000 microwatts/second/cm2 ultraviolet light intensity and 254 mm wavelength, UV lamps with min. 9000 hours of service life, visor on the housing to confirm whether the UV lamp operates or a system that sounds an audible alarm in case of a malfunction; with an operating pressure of 2 to 8 bars, and both ends with threads or bushes to ensure ease of connection to the installation, complete with device inlet and outlet, and bypass line valves, inlet and outlet manometers, and inlet and outlet sample valves. Flow rate - m³/h Min. Power Consumption - Watts Device Input - Output		
25.180.1001	1.5      21      3/4" -1"	1.365,44	82,88
25.180.1002	3.0      39      1"	1.522,86	107,19
25.180.1003	5.0      75      1 1/2"	1.699,99	124,31
25.180.1004	10.0      150      1 1/2" -2"	3.350,39	165,75
25.180.1005	15.0      225      2" -2 1/2"	4.318,55	182,88
25.180.1006	20.0      300      2"	5.521,75	207,19
25.180.1007	25.0      310      2 1/2"	6.777,11	241,44
25.180.1008	30.0      450      2 1/2"	7.975,68	282,88
25.180.1009	40.0      600      3"	10.424,80	300,00
25.180.1010	50.0      750      4"	12.989,13	317,13



**Plumbing System**

ITEM NO	NATURE OF WORK			UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.180.2000</b>	<p><b>FULLY AUTOMATIC, MULTI-MEDIA FILTERING DEVICE (Unit: Qty., Materials on construction site: 80%) (1 - 15 m³/h)</b>                      Supply to the work site, building of a concrete base, connection to the piping system, and delivery in working order, including operating and maintenance manuals in Turkish, of a filter device with the specifications provided below and with an international certificate of quality, and equipped with a media tank made of a material coated with glass-fiber-reinforced polyester on ISO-certified polyethylene cartridge or of ST 37 steel in compliance with the TS pressure vessel norms with the interior and exterior coated with hot-dip galvanized steel as per TS EN ISO 1461 or sanded, and coated with two layers of epoxy finish over two layers of epoxy primer, and with three-layer sieved quartz filter gravel that is 40 to 50% by volume and a filter bed height of min. 0.7 m, a microprocessor or a timer that starts regeneration fully automatically by means of a programming feature that allows programming at an interval of 1 day to 7 days, with automatic valves, two sampling valves and inlet and outlet manometers, and two ends equipped with threads or bushes for ease of connection to the piping system, which distributes and collects water in the tank by means of filters installed on the platform and/or octopus filter pipes, has a testing pressure of 10 at and an operating pressure of 2 to 8 at, and 50 to 60% of the volume of which is made of anthracite.                      Note: Filter bed speed shall be max. 25 m/h. The tank shall be sized with 40% swelling taken into consideration.                      Flow rate Filter material Min. Tank Section m³/h Amount - L Area - m²</p>				
25.180.2001	1.0	35	0.05	2.257,66	248,63
25.180.2002	1.7	75	0.08	3.421,10	290,06
25.180.2003	2.0	100	0.10	4.180,63	331,50
25.180.2004	2.5	125	0.12	4.686,70	372,94
25.180.2005	3.2	150	0.16	5.438,85	414,38
25.180.2006	4.0	200	0.20	7.168,01	455,81
25.180.2007	6.0	300	0.3	9.392,13	497,25
25.180.2008	10.0	450	0.5	16.463,29	557,29
25.180.2009	13.0	450	0.5	19.435,13	598,73
25.180.2010	15.0	600	0.6	21.145,16	658,76
<b>25.180.2020</b>	<p><b>FULLY AUTOMATIC, MULTI-MEDIA FILTERING DEVICE (Unit: Qty., Materials on construction site: 80%) (19 - 90 m³/h)</b>                      With filter tank made of ST 37 steel in compliance with Turkish Standards for pressure vessels; interior and exterior coated with hot-dip galvanized steel in compliance with TS EN ISO 1461 or sanded, and coated with two layers of epoxy finish over two layers of epoxy primer;                      an automatic, time-control valve group directing the air or water required for driving the field diaphragm valves from the valve and/or controller or PLC (Programable Logic Controller); metal or plastic housing that directs raw water and process water; rubber membrane; internal parts of the valve made of brass resistant to water corrosion; threaded or flanged connection to the piping system; and a sufficient number of diaphragm valves manufactured to resist 8-at water pressure. The other specifications shall be the same as the item 127-300.                      Flow rate Filter material Min. Tank Section m³/h Amount - L Area - m²</p>				
25.180.2021	19.0	1,000	0.9	38.869,80	700,20

**Plumbing System**

ITEM NO	NATURE OF WORK			UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.180.2022	27.0	1,250	1.3	43.773,64	741,64
25.180.2023	35.0	1,500	1.8	44.596,28	783,08
25.180.2024	40.0	2,000	2.0	51.465,71	824,51
25.180.2025	50.0	2,500	2.5	72.473,54	903,14
25.180.2026	60.0	3,000	2.8	84.339,61	986,01
25.180.2027	80.0	3,750	3.8	100.199,05	1.027,45
25.180.2028	90.0	4,500	4.5	107.971,51	1.117,51
<b>25.180.3000</b>	<b>FULLY ACTIVATED CARBON FILTERING DEVICE (Unit: Qty., Materials on construction site: 80%) (1 - 15 m³/h)</b> Supply to the work site, building of a concrete base, connection to the installation, and delivery in working order, including operating and maintenance manuals in Turkish, of a filter device with the specifications provided below and with an international certificate of quality, and equipped with a media tank made of a material coated with glass-fiber-reinforced polyester on polyethylene cartridge or of ST 37 steel with the interior and exterior coated with hot-dip galvanized steel as per TS EN ISO 1461 or sanded, and coated with two layers of epoxy finish over two layers of epoxy primer, a filter bed height of min. 0.7 m with the filter material made of granular activated carbon, with its bottom composed of a sufficient amount of filter gravel, and equipped with a microprocessor or a timer that starts backwash fully automatically by means of a programming feature that allows programming at an interval of 1 day to 7 days, with automatic valves, two sampling valves and inlet and outlet manometers, and two ends equipped with threads or bushes for ease of connection to the piping system, which distributes and collects water in the tank by means of filters installed on the platform and/or octopus filter pipes, and has a testing pressure of 10 at and an operating pressure of 2 to 8 at. Note: Filter bed speed shall be max. 25 m/h. - The tank shall be sized with 40% swelling taken into consideration. Flow rate Filter material Min. Tank Section m³/h Amount - L Area - m²				
25.180.3001	1.0	35	0.05	2.862,23	248,63
25.180.3002	1.7	75	0.08	3.873,86	290,06
25.180.3003	2.0	100	0.1	4.724,46	331,50
25.180.3004	2.5	125	0.12	5.609,46	372,94
25.180.3005	3.2	150	0.16	6.841,45	414,38
25.180.3006	4.0	200	0.2	7.691,89	455,81
25.180.3007	6.0	300	0.3	10.063,89	497,25
25.180.3008	10.0	450	0.5	18.497,41	557,29
25.180.3009	13.0	450	0.5	20.230,73	598,73
25.180.3010	15.0	600	0.6	25.870,76	658,76

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.180.3020</b>	<p><b>FULLY AUTOMATIC ACTIVATED CARBON FILTER DEVICE:</b>  <b>Unit: Qty. Materials on construction site: 80% (19-90 m³/h)</b>                      With filter tank made of ST 37 steel, interior and exterior coated with hot-dip galvanized steel in compliance with TS EN ISO 1461 or sanded, and coated with two layers of epoxy finish over two layers of epoxy primer, an automatic, time-control valve group directing the air or water required for driving the field diaphragm valves from the valve and/or controller or PLC (Programable Logic Controller); metal or plastic housing that directs raw water and process water; rubber membrane; internal parts of the valve made of brass resistant to water corrosion; threaded or flanged connection to the piping system; and a sufficient number of diaphragm valves manufactured to resist 8-at water pressure. The other specifications shall be the same as the item 25.180.3000.                      Flow rate Filter material Min. Tank Section                      m³/h Amount - L Area - m²</p>		
25.180.3021	19.0      800      0.78	41.314,60	700,20
25.180.3022	27.0      1250      1.3	49.343,24	741,64
25.180.3023	35.0      1500      1.8	56.373,48	783,08
25.180.3024	40.0      1,500      1.8	62.866,11	824,51
25.180.3025	50.0      2500      2.5	73.875,94	903,14
25.180.3026	60.0      2500      2.5	87.373,21	986,01
25.180.3027	80.0      3750      3.8	106.857,85	1.027,45
25.180.3028	90.0      4500      4.5	111.171,91	1.117,51
<b>25.182.1000</b>	<b>AUTOMATIC IRRIGATION SYSTEM COMPONENTS</b>		
<b>25.182.1100</b>	<p><b>SPRAY-TYPE POP-UP SPRING: (nit: Qty., Materials on construction site: 80%)</b>                      Supply to the work site, installation, adjustment and delivery in working order, of spray-type sprinklers for use at green fields, including a connection pipe up to 2 meters, two adapters and two clamps for each sprinkler with flow rate, pressure, spraying range and height in compliance with the relevant project design, with a polypropylene plastic housing and an operating temperature of 1.0 to 5 bars; a flow rate adjustable to a spraying range of 3 to 5 meters; an adjustable angle of 0 to 360 degrees; ½" housing, a minimum 10-cm pop-up height, which allow installation of nozzles to perform square, rectangular or star-shaped irrigation, adjustment of the spraying range by an integrated screw, and installation of an optional check valve with a filter that strains impurities.</p>	19,50	6,80
<b>25.182.1200</b>	<p><b>ROTOR SPRINKLER IRRIGATION SYSTEMS: (Unit: Qty., Materials on construction site: 80%)</b>                      Supply to the work site, installation, adjustment, and delivery in working order of polypropylene rotor sprinklers for irrigation of green fields, with technical specifications including flow rate, pressure, spray range and height designed for rotor spring in compliance with the relevant project design, equipped with a water-lubricated gear mechanism, a standard nozzle set, a nozzle inlet on head, and an optional check valve.</p>		
<b>25.182.1201</b>	<p><b>Pop-up Rotor Sprinkler (1/2")</b>                      Irrigation sprinkle with polypropylene plastic housing, an operating pressure of 1.7 to 3.8 bars, a spray range of 4.6 - 9.4 meters, a flow rate of min. 0.12 to 1.20 m³/h, 40° to 360° adjustable angle, 1/2" grooved female inlet, and min. 10-cm pop-up height</p>	52,90	9,73

**Plumbing System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.182.1202	<b>Pop-up Rotor Sprinkler (3/4")</b> Irrigation sprinkle with polypropylene plastic housing, an operating pressure of 1.0 to 5 bars, a spray range of 7 - 15 meters, a flow rate of min. 0.17 - 2.5 m <sup>3</sup> /h, 40° to 360° adjustable angle, 3/4" grooved female inlet, and min. 10-cm pop-up height	59,79	14,59
25.182.1203	<b>Pop-up Rotor Sprinkler (1")</b> Irrigation sprinkler with polypropylene plastic housing, 3.5 to 6.9 bar operating pressure, 13.1 to 23.2 meter spray range, 2.54 to 7.73 m <sup>3</sup> /h flow rate, 50 to 360° adjustable angle, and min. 10-cm pop-up height.	268,20	19,45
25.182.2000	<b>CONTROL UNITS: (Unit: Qty., Materials on construction site: 80%)</b> Supply to the work site, installation, adjustment and delivery in working order of 24-VAC Control Units for programming the operating times of the solenoid valves used for irrigation of green fields, with technical specifications including the number of programs, starting times and stations as provided in the project design; presets to enable quick programming; a test program to enable system testing; built-in batteries to retain the program for 24 hours and a protection kit for protection against power surges; a transformer with 230 VAC, 50 Hz input and 24 VAC output, and an integral casing, which can increase or decrease the irrigation times globally by means of a water saving function based on seasonal changes by means of an independent program.		
25.182.2001	4 Stations	334,56	38,56
25.182.2002	6 Stations	433,86	45,41
25.182.2003	9 Stations	541,60	53,70
25.182.2004	12 Stations	939,65	60,55
25.182.2005	16 Stations	1.097,00	68,84
25.182.2006	24 Stations	1.766,34	75,69
25.182.2100	<b>RAIN SENSOR: Unit: Qty.</b> Supply to the work site, installation, adjustment and delivery in working order of a sensor for stopping irrigation during rain, which shall be equipped with a UV-resistant polymer housing; a UV-resistant extension cord; and an adjustable valve to control the drying period, which shall be adjustable for 3.2 to 20 mm of rain, and be compatible with both 9V and 24V control devices.	138,46	24,31
25.182.2200	<b>SOLENOID VALVES: (Unit: Qty., Materials on construction site: 80%)</b> Supply to the work site, installation, adjustment and delivery in working order of a solenoid valve for irrigation of green fields and controlling the water flow, with technical specifications including the flow rate, pressure and temperature in compliance with the project design, with a plastic housing, a flow rate of 0.5 to 68.0 m <sup>3</sup> /h, an operating pressure of 1.0 to 14 bars and resistance to a temperature of max. 43 °C; with a solenoid housing that can be equipped with a pressure reducer and water flow control, which allows valves to be installed on the sides or at the bottom; and allows installation of 9-volt solenoids and turning the normally closed solenoid valves on / off manually. Nominal Diameter (mm):		
25.182.2201	25 mm	97,61	34,25
25.182.2202	40 mm	244,01	34,25
25.182.2203	50 mm	331,61	34,25
25.182.2204	80 mm	1.382,81	34,25

### Plumbing System

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.182.2300	<p><b>PLASTIC VALVE BOXES: (Unit: Qty., Materials on construction site: 60%)</b>                      Supply to the work site and installation of polypropylene plastic valve boxes in cubic and rectangular forms designed to preserve the valves used for irrigation of green fields, with technical specifications including the width, length and height in compliance with the relevant project; with a screw-locked green cover matching the color of the green field and factory-cut holes at the bottom edge for easy installation of pipes.                      Type: Width (mm), Length (mm), Height (mm)</p>		
25.182.2301	Cubic,                    240 mm	34,38	8,29
25.182.2302	Rectangular,    260 mm,    380 mm,    300 mm	59,64	8,29
25.182.2303	Rectangular,    380 mm,    540 mm,    300 mm	97,64	8,29



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**HEATING SYSTEMS  
UNIT PRICES AND DEFINITIONS**

2019

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.200.1000</b>	<p><b>HOT WATER GENERATOR, SECTIONAL CAST IRON BOILERS: (LIQUID OR GAS FUEL) (TS 430, TS EN 303-1/2/3) UNIT: (Qty., Measurement unit: (kcal/h) kW, Materials on construction site: 80%)</b></p> <p>Thermodynamic and endurance calculations shall be conducted for the construction pressure required by the standards TS 430, TS EN 303-1, TS EN 303-2, TS EN 303-3, and the capacity and thermal efficiency values found by capacity and thermal efficiency tests conducted as per the standards TS-4040 and TS 4041 as well as the communiqué no. 93/80-81 published in the Official Gazette no. 21651 dated 28 July 1993 shall not be lower than the minimum values specified in the said communiqué and Turkish standards, and boilers with lower efficiency shall not be used. The said results shall be documented and specified in the relevant projects. Manufacture, transportation to the work site, installation on the designated base, and delivery in working order of the boiler.</p> <p>Notes: 1- Liquid or gas- fired hot water boilers with minimum 4 kW and maximum 400 kW power shall be manufactured in compliance with the Directive (92/42/EEC) Hot-Water Boilers and the Regulation 2016/426/ABon Gas-burning Devices, released with a CE compliance marking, and be in compliance with the "Regulation on Controlling the Air Pollution Caused by Heating" and the "Regulation on Controlling the Industrial Air Pollution".</p> <p>2- A control panel containing an operating thermostat, safety thermostat and thermometer shall be supplied with the boiler. No additional fee shall be charged for these items.</p> <p>3- Unit prices for other capacities shall be interpolated.</p>		
<b>25.200.1100</b>	<b>Liquid and Gas-fired Hot Water Generator Sectional Cast Iron Boilers: (Operating pressure up to 6 op) (TS EN 303-1/2/3 ve TS 430)</b>		
25.200.1101	(60,000 kcal/h) 70 kW	7.161,09	508,64
25.200.1102	(75,000 kcal/h) 87 kW	8.282,99	583,03
25.200.1103	(90,000 kcal/h) 105 kW	9.108,99	665,90
25.200.1104	(120,000 kcal/h) 140 kW	10.573,84	665,90
25.200.1105	(150,000 kcal/h) 175 kW	12.063,43	700,15
25.200.1106	(190,000 kcal/h) 220 kW	13.627,63	774,54
25.200.1107	(225,000 kcal/h) 260 kW	15.522,54	857,41
25.200.1108	(250,000 kcal/h) 290 kW	17.043,04	891,66
25.200.1109	(275,000 kcal/h) 320 kW	20.012,93	925,91
25.200.1110	(325,000 kcal/h) 378 kW	22.583,43	974,54
25.200.1111	(375,000 kcal/h) 436 kW	24.406,16	974,54
25.200.1112	(425,000 kcal/h) 494 kW	29.317,73	1.132,06
25.200.1113	(475,000 kcal/h) 552 kW	33.253,55	1.380,41
25.200.1114	(525,000 kcal/h) 611 kW	37.044,78	1.492,38
25.200.1115	(575,000 kcal/h) 669 kW	39.126,70	1.589,98
25.200.1116	(625,000 kcal/h) 727 kW	46.761,94	1.687,56
25.200.1117	(675,000 kcal/h) 785 kW	55.754,93	1.833,79
25.200.1118	(725,000 kcal/h) 843 kW	58.200,68	1.868,04
25.200.1119	(775,000 kcal/h) 901 kW	62.736,03	1.980,00
25.200.1120	(825,000 kcal/h) 959 kW	63.401,75	2.014,25
25.200.1121	(875,000 kcal/h) 1017 kW	70.838,26	2.048,50

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.200.1200</b>	<p><b>HOT WATER GENERATOR, SOLID-FUEL, SECTIONAL CAST IRON BOILERS: (TS EN 303-5, TS EN 12809) (Operating Pressure up to 6 op) UNIT: (Qty., Measurement unit: (kcal/h kW, )</b></p> <p>Manufacture, transportation to the work site, installation on its base and delivery in working order of a boiler with thermodynamic and resistance calculations made as per the structural pressure required by TS EN 303-5, and awarded a certificate of compliance by the Turkish Standards, awarded a capacity and thermal efficiency report as per the standard, and with capacity and thermal values not lower than the minimum values prescribed in Turkish standards.</p> <p>Note: The equipment that is supplied manually with solid fuel, have a greater PS x V value than 50 bars x liter and a maximum temperature of 110°C as per the Regulation (EU) No.305/2011 Construction Products - CPR and the Regulation on 2014/68/AB on Pressurized Equipment shall be manufactured in compliance with the basic requirements specified in the article 2.10, 2.11, 3.4, 5 (a) and 5 (ç) of the annex (ANNEX 1) of the said Regulation, released with a CE marking, and comply with the "Regulation on Controlling the Air Pollution Caused by Heating" and the "Regulation on Controlling the Industrial Air Pollution".</p>		
25.200.1201	30,000 kcal/h 37 kW	4.573,74	254,13
25.200.1202	32,500 kcal/h 38 kW	4.735,39	322,63
25.200.1203	40,000 kcal/h 48 kW	5.301,94	356,88
<b>25.202.0000</b>	<p><b>HOT WATER GENERATOR, WELDED HEATING BOILER MADE OF STEEL</b>  <b>(Unit: Qty., Measurement Unit: (Kcal/h) kW</b></p> <p>Three-pass boilers with tube bundles except for the cooker outlet, and with the thermodynamic and endurance values calculated in accordance with the required construction pressure as per such standards as TS EN 303-5, TS EN 303-1-2-3, TS 497, and TS EN 12953;</p> <p>Notes:</p> <p>1-a. The equipment that is supplied manually with solid fuel, have a greater PS x V value than 50 bars x liter and a maximum temperature of 110 C as per the Directive 2014/68/EU on Pressure Equipment shall be in compliance with the basic requirements specified in the article 2.10, 2.11, 3.4, 5 (a) and 5 (ç) of the annex (ANNEX 1) of the said Regulation, and comply with the "Regulation on Controlling the Air Pollution Caused by Heating" and the "Regulation on Controlling the Industrial Air Pollution."</p> <p>b.) Liquid or gas-powered hot water boilers with minimum 4 kW and maximum 400 kW power shall be in compliance with the Directive (92/42/EEC) Hot-Water Boilers and the Directive 2016/426/EU on Appliances Burning Gaseous Fuels, and be in compliance with the "Regulation on Controlling the Air Pollution Caused by Heating" and the "Regulation on Controlling the Industrial Air Pollution."</p> <p>2- The boiler shall be manufactured, transported to the work site, installed on the designated base, and delivered in working order.</p> <p>3- Values for other capacities shall be interpolated.</p> <p>4- The boiler shall be awarded capacity and efficiency test reports as per the standards that the boiler is subject to, and the capacity and thermal efficiency values found by the capacity and thermal efficiency tests shall not be below the minimum values specified in the relevant Turkish Standards, and boilers with lower efficiency shall not be used. The said results shall be documented. (Testing only the largest and the smallest boiler provided that the ratio of the nominal power of the largest boiler to the smallest boiler is 2:1 for the boilers in the same structural design and product range in accordance with TS EN 303-3).</p>		



## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.202.1000</b>	<b>HOT WATER GENERATOR, WELDED HEATING BOILER MADE OF STEEL, SOLID FUEL</b> <b>(Unit: Qty., Measurement Unit: (Kcal/h) kW,</b> Solid-fuel, construction pressure as given in the approved Project, with the other specifications similar to the item 25.202.0000 in compliance with TS EN 303-5 for Q ≤ 500 kW and up to 6-bar operating pressure, TS 497 for Q > 500 kW and up to 5-bar construction pressure, TS 12953 for Q ≤ 500 kW and construction pressures greater than 5 bars, TS EN 12953 for Q > 500 kW and construction pressures greater than 5 bars, TS EN 12953 for Q ≤ 500 kW and construction pressures greater than 0.5 bars, and TS EN 12953 for Q > 500 kW and construction pressures greater than 0.5 bars.		
<b>25.202.1100</b>	<b>Welded Steel Hot Water Generator Heating Boilers with 3 ATM construction pressure: Other specifications shall be the same as the item 25.202.1000.</b>		
25.202.1101	(40,000 kcal/h) 46 kW	5.125,64	400,00
25.202.1102	(60,000 kcal/h) 70 kW	6.324,54	508,64
25.202.1103	(90,000 kcal/h) 100 kW	9.481,70	591,51
25.202.1104	(100,000 kcal/h) 115 kW	9.690,08	591,51
25.202.1105	(120,000 kcal/h) 140 kW	11.244,23	625,76
25.202.1106	(150,000 kcal/h) 175 kW	12.843,10	708,64
25.202.1107	(180,000 kcal/h) 210 kW	14.915,36	783,03
25.202.1108	(210,000 kcal/h) 245 kW	16.166,99	817,28
25.202.1109	(240,000 kcal/h) 280 kW	18.156,51	851,53
25.202.1110	(270,000 kcal/h) 313 kW	19.912,84	851,53
25.202.1111	(300,000 kcal/h) 350 kW	21.328,45	974,54
25.202.1112	(330,000 kcal/h) 385 kW	22.300,75	974,54
25.202.1113	(360,000 kcal/h) 420 kW	24.488,61	1.008,79
25.202.1114	(390,000 kcal/h) 455 kW	24.951,56	1.248,56
25.202.1115	(400,000 kcal/h) 465 kW	26.741,21	1.317,06
25.202.1116	(420,000 kcal/h) 490 kW	27.398,83	1.317,06
25.202.1117	(450,000 kcal/h) 523 kW	28.908,68	1.365,69
25.202.1118	(480,000 kcal/h) 560 kW	29.939,31	1.526,63
25.202.1119	(500,000 kcal/h) 580 kW	32.080,93	1.526,63
25.202.1120	(540,000 kcal/h) 630 kW	33.629,43	1.560,88
25.202.1121	(600,000 kcal/h) 700 kW	34.828,74	1.643,75
25.202.1122	(660,000 kcal/h) 770 kW	35.184,03	1.678,00
25.202.1123	(720,000 kcal/h) 840 kW	38.450,84	1.853,31
25.202.1124	(780,000 kcal/h) 905 kW	40.985,68	1.887,56
25.202.1125	(840,000 kcal/h) 975 kW	42.543,71	1.887,56
25.202.1126	(900,000 kcal/h) 1045 kW	44.225,89	2.048,50
25.202.1127	(1,050,000 kcal/h) 1220 kW	46.896,28	2.214,25
25.202.1128	(1,200,000 kcal/h) 1400 kW	55.365,94	2.331,38
25.202.1129	(1,350,000 kcal/h) 1570 kW	62.503,98	2.599,88
25.202.1130	(1,500,000 kcal/h) 1750 kW	67.966,68	2.751,25
25.202.1131	(1,800,000 kcal/h) 2100 kW	80.142,06	3.102,63

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.202.1200</b>	<b>4 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 5% higher than the item 25.202.1000, and the rest of the specifications shall be the same as the item 25.202.1000.		
<b>25.202.1300</b>	<b>5 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 10% higher than the item 25.202.1000, and the rest of the specifications shall be the same as the item 25.202.1000.		
<b>25.202.2000</b>	<b>HOT WATER GENERATOR, WELDED STEEL HEATING BOILER: LIQUID AND GAS-FUELED: Unit: Qty., Measurement Unit: (Kcal/h) kW</b> Liquid and gas-fueled boiler in compliance with TS 9876 EN 303-4 for Q ≤ 70 kW and up to 3-bar operating pressure; TS EN 303-1-2-3 for Q ≤ 1000 kW and up to 8-bar operating pressure; TS EN 12953 for Q ≤ 1000 kW and operating pressures above 8 bars; TS EN 497 for Q >1000 kW and up to 5-bar construction pressure; TS EN 12953 for Q >1000 kW and construction pressures above 5 bars; TS EN 12953 for Q ≤ 1000 kW and construction pressures above 0.5 bar; TS EN 12953 for Q >1000 kW and construction pressure above 0.5 bar , with construction pressure as prescribed in the approved project design, and with other specifications as per the item 25.202.0000.		
<b>25.202.2100</b>	<b>Liquid and gas-fueled hot water generator heating boilers made of steel with 3 ATM construction pressure: Other specifications shall be the same as the item 25.202.2000.</b>		
25.202.2101	(40,000 kcal/h) 46 kW	3.518,53	400,00
25.202.2102	(60,000 kcal/h) 70 kW	4.138,74	508,64
25.202.2103	(100,000 kcal/h) 115 kW	5.910,91	591,51
25.202.2104	(150,000 kcal/h) 175 kW	6.802,15	708,64
25.202.2105	(200,000 kcal/h) 230 kW	8.330,26	817,28
25.202.2106	(250,000 kcal/h) 290 kW	8.926,33	851,53
25.202.2107	(300,000 kcal/h) 350 kW	10.165,65	974,54
25.202.2108	(350,000 kcal/h) 405 kW	11.836,94	1.008,79
25.202.2109	(400,000 kcal/h) 465 kW	13.137,06	1.248,56
25.202.2110	(500,000 kcal/h) 580 kW	15.487,81	1.526,63
25.202.2111	(600,000 kcal/h) 700 kW	16.369,34	1.560,88
25.202.2112	(700,000 kcal/h) 810 kW	18.990,60	1.804,69
25.202.2113	(800,000 kcal/h) 930 kW	20.892,15	2.048,50
25.202.2114	(1,000,000 kcal/h) 1160 kW	23.876,71	2.087,56
25.202.2115	(1,250,000 kcal/h) 1450 kW	28.885,86	2.473,19
25.202.2116	(1,500,000 kcal/h) 1750 kW	35.884,04	3.102,63
25.202.2117	(2,000,000 kcal/h) 2325 kW	43.114,01	3.336,88
25.202.2118	(2,500,000 kcal/h) 2900 kW	56.419,83	3.888,25
25.202.2119	(3,000,000 kcal/h) 3490 kW	63.336,81	4.391,00
<b>25.202.2200</b>	<b>4 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 5% higher than the item 25.202.2100, and the rest of the specifications shall be the same as the item 25.202.2000.		

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.202.2300</b>	<b>5 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 10% higher than the item 25.202.2100, and the rest of the specifications shall be the same as the item 25.202.2000.		
<b>25.202.2400</b>	<b>6 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 12% higher than the item 25.202.2100, and the rest of the specifications shall be the same as the item 25.202.2100.		
<b>25.202.3000</b>	<b>HOT WATER GENERATOR, WELDED STEEL HEATING BOILER: LIQUID AND GAS-FUELED:</b> <b>Unit: Qty., Measurement Unit: (Kcal/h) kW</b> Liquid and gas-fueled, three-pass boiler with single pipe or two pipes for the second pass in compliance with TS 9876 EN 303-4 for Q ≤ 70 kW and up to 3-bar operating pressure; TS EN 303-1-2-3 for Q ≤ 1000 kW and up to 8-bar operating pressure; TS EN 12953 for Q ≤ 1000 kW and operating pressures above 8 bars; TS 497 for Q >1000 kW and up to 5-bar construction pressure; TS EN 12953 for Q >1000 kW and construction pressures above 5 bars; TS EN 12953 for Q ≤ 1000 kW and construction pressures above 0.5 bar; TS EN 12953 for Q >1000 kW and construction pressure above 0.5 bar, with construction pressure as prescribed in the approved project design, and with other specifications as per the item 25.202.0000.		
<b>25.202.3100</b>	<b>Liquid and gas-fueled hot water generator heating boilers made of steel with 3 ATM construction pressure: Other specifications shall be the same as the item 25.202.3000.</b>		
25.202.3101	(40,000 kcal/h) 46 kW	3.360,13	400,00
25.202.3102	(60,000 kcal/h) 70 kW	3.878,14	508,64
25.202.3103	(80,000 kcal/h) 95 kW	4.679,83	542,89
25.202.3104	(100,000 kcal/h) 115 kW	5.144,18	591,51
25.202.3105	(125,000 kcal/h) 145 kW	5.966,48	625,76
25.202.3106	(150,000 kcal/h) 175 kW	6.761,84	708,64
25.202.3107	(175,000 kcal/h) 205 kW	7.034,76	708,64
25.202.3108	(200,000 kcal/h) 230 kW	8.133,91	817,28
25.202.3109	(250,000 kcal/h) 290 kW	8.882,80	851,53
25.202.3110	(300,000 kcal/h) 350 kW	9.809,41	974,54
25.202.3111	(350,000 kcal/h) 405 kW	11.896,99	1.008,79
25.202.3112	(400,000 kcal/h) 465 kW	13.793,40	1.248,56
25.202.3113	(500,000 kcal/h) 580 kW	15.955,71	1.526,63
25.202.3114	(600,000 kcal/h) 700 kW	17.372,01	1.560,88
25.202.3115	(700,000 kcal/h) 810 kW	20.415,99	1.804,69
25.202.3116	(800,000 kcal/h) 930 kW	23.030,16	2.048,50
25.202.3117	(1,000,000 kcal/h) 1160 kW	24.918,64	2.087,56
25.202.3118	(1,250,000 kcal/h) 1450 kW	30.201,29	2.473,19
25.202.3119	(1,500,000 kcal/h) 1750 kW	35.363,08	3.102,63
25.202.3120	(2,000,000 kcal/h) 2325 kW	43.242,41	3.336,88
25.202.3121	(2,500,000 kcal/h) 2900 kW	58.914,65	3.888,25
25.202.3122	(3,000,000 kcal/h) 3490 kW	69.211,45	4.391,00

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.202.3200</b>	<b>4 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 5% higher than the item 25.202.3100, and the rest of the specifications shall be the same as the item 25.202.3000.		
<b>25.202.3300</b>	<b>5 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 10% higher than the item 25.202.3100, and the rest of the specifications shall be the same as the item 25.202.3000.		
<b>25.202.3400</b>	<b>6 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 12% higher than the item 25.202.3100, and the rest of the specifications shall be the same as the item 25.202.3000.		
<b>25.202.4000</b>	<b>HOT WATER GENERATOR, (WELDED) STEEL HEATING BOILER: LIQUID AND GAS-FUELED:</b> <b>Unit: Qty., Measurement Unit: (Kcal/h) kW</b> Liquid and gas-fueled, two-pass boiler in compliance with TS 9876 EN 303-4 for Q ≤ 70 kW and up to 3-bar operating pressure; TS EN 303-1-2-3 for Q ≤ 1000 kW and up to 8-bar operating pressure; TS EN 12953 for Q ≤ 1000 kW and operating pressures above 8 bars; TS 497 for Q >1000 kW and up to 5-bar construction pressure; TS EN 12953 for Q >1000 kW and construction pressures above 5 bars; TS EN 12953 for Q ≤ 1000 kW and construction pressures above 0.5 bar; TS EN 12953 for Q >1000 kW and construction pressure above 0.5 bar, with construction pressure as prescribed in the approved project design, and with other specifications as per the item 25.202.0000.		
<b>25.202.4100</b>	<b>Liquid and gas-fueled hot water generator heating boilers made of steel with 3 ATM construction pressure: Other specifications shall be the same as the item 25.202.4000.</b>		
25.202.4101	(40,000 kcal/h) 46 kW	3.042,89	400,00
25.202.4102	(60,000 kcal/h) 70 kW	3.690,44	508,64
25.202.4103	(100,000 kcal/h) 115 kW	4.492,63	591,51
25.202.4104	(150,000 kcal/h) 175 kW	6.018,33	708,64
25.202.4105	(200,000 kcal/h) 230 kW	6.944,05	817,28
25.202.4106	(250,000 kcal/h) 290 kW	7.553,19	851,53
25.202.4107	(300,000 kcal/h) 350 kW	8.686,24	974,54
25.202.4108	(350,000 kcal/h) 405 kW	9.791,74	1.008,79
25.202.4109	(400,000 kcal/h) 465 kW	11.322,34	1.248,56
25.202.4110	(500,000 kcal/h) 580 kW	12.338,95	1.526,63
25.202.4111	(600,000 kcal/h) 700 kW	13.853,41	1.560,88
25.202.4112	(700,000 kcal/h) 810 kW	16.094,66	1.804,69
25.202.4113	(800,000 kcal/h) 930 kW	18.352,68	2.048,50
25.202.4114	(1,000,000 kcal/h) 1160 kW	20.529,55	2.087,56
25.202.4115	(1,250,000 kcal/h) 1450 kW	24.678,71	2.473,19
25.202.4116	(1,500,000 kcal/h) 1750 kW	28.698,60	3.102,63
25.202.4117	(2,000,000 kcal/h) 2325 kW	35.822,01	3.336,88
25.202.4118	(2,500,000 kcal/h) 2900 kW	47.496,61	3.888,25
25.202.4119	(3,000,000 kcal/h) 3490 kW	51.133,86	4.391,00

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.202.4200	<b>4 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 5% higher than the item 25.202.4100, and the rest of the specifications shall be the same as the item 25.202.4000.		
25.202.4300	<b>5 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 10% higher than the item 25.202.4100, and the rest of the specifications shall be the same as the item 25.202.4000.		
25.202.4400	<b>6 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 12% higher than the item 25.202.4100, and the rest of the specifications shall be the same as the item 25.202.4000.		
25.205.1000	<p><b>STEAM OR SUPERHEATED WATER GENERATOR BOILERS MADE OF STEEL MATERIAL:</b> <b>LIQUID OR GAS-FUELED: Unit: Qty, Measurement unit: (Kcal/h) kW or kg steam / hour</b></p> <p>Three-pass boilers with tube bundles except for the cooker outlet, and with the thermodynamic and endurance values calculated in accordance with the required construction pressure as per such standards as TS 497 and TS EN 12953 and with the manufacturing projects approved by the administration, for which a "Manufacturing Inspection Certificate" shall be annexed to certify inspection as per the conditions of the Standard during the production, and the boiler shall undergo a capacity and thermal efficiency test as per the Standards TS-4040 and TS-4041, and the communique no. 93/80-81 published in the Official Gazette no. 21651 dated 28.July.1993. Capacity and thermal efficiency value found shall not be lower than the minimum values specified in the said communique and standards. The said results shall be documented and specified in the relevant projects. Manufacture, transportation to the work site, installation on the designated base, and delivery in working order of the boiler.</p> <p>Not: 1- They shall be manufactured in compliance with the Directive 2014/68/EU on Pressure Equipment and the Directive 2016/426/EU Appliances Burning Gaseous Fuels, released with a CE compliance marking, and be in compliance with the "Regulation on Controlling the Air Pollution Caused by Heating" and the "Regulation on Controlling the Industrial Air Pollution."</p> <p>2- Boiler Pipes shall be Welded as per EN 10217-2 or Weldless as per EN 10216-2, normalized boiler pipes in EN 10217-2 norms, manufactured with raw materials of P235GH/P265GH quality in compliance with the PED (Pressure Equipment Directive) 2014/68/ EU.</p> <p>3- Unit prices for other capacities shall be interpolated.</p>		
25.205.1100	<b>Welded steel steam generator boilers with 3 ATM construction pressure: Liquid and Gas-fueled: Other specifications shall be the same as the item 25.205.1000.</b>		
25.205.1101	150 Kg Steam/hour	7.850,31	591,51
25.205.1102	300 Kg Steam/hour	11.876,73	660,01
25.205.1103	400 Kg Steam/hour	15.237,94	860,01
25.205.1104	500 Kg Steam/hour	17.938,44	1.320,03
25.205.1105	650 Kg Steam/hour	20.646,66	1.520,03
25.205.1106	800 Kg Steam/hour	24.972,38	1.794,41
25.205.1107	1000 Kg Steam/hour	29.154,61	2.136,94
25.205.1108	1250 Kg Steam/hour	33.075,15	2.219,81
25.205.1109	1500 Kg Steam/hour	37.415,90	2.536,94
25.205.1110	2000 Kg Steam/hour	46.976,93	2.849,25

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.205.1111	2500 Kg Steam/hour	54.436,43	3.175,94
25.205.1112	3000 Kg Steam/hour	60.516,98	3.688,25
25.205.1113	4000 Kg Steam/hour	71.823,65	3.888,25
25.205.1114	5000 Kg Steam/hour	87.016,41	4.616,38
<b>25.205.1200</b>	<b>4 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 5% higher than the item 25.205.1100, and the rest of the specifications shall be the same as the item 25.205.1000.		
<b>25.205.1300</b>	<b>5 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 10% higher than the item 25.205.1100, and the rest of the specifications shall be the same as the item 25.205.1000.		
<b>25.205.1400</b>	<b>Welded steel steam generator boilers with 6 ATM construction pressure: Liquid and Gas-fueled:</b> To be manufactured as per TS EN 12953, project design and manufacture shall be inspected by an accredited organization, and the other specifications shall be the same as the item 25.205.1000.		
25.205.1401	250 Kg Steam/hour	15.050,08	934,40
25.205.1402	300 Kg Steam/hour	17.183,55	1.043,04
25.205.1403	400 Kg Steam/hour	20.323,99	1.091,66
25.205.1404	500 Kg Steam/hour	23.808,98	1.282,81
25.205.1405	650 Kg Steam/hour	26.832,20	1.760,88
25.205.1406	800 Kg Steam/hour	32.224,78	1.843,75
25.205.1407	1000 Kg Steam/hour	38.349,01	1.878,00
25.205.1408	1250 Kg Steam/hour	43.475,40	2.038,94
25.205.1409	1500 Kg Steam/hour	50.654,76	2.273,19
25.205.1410	2000 Kg Steam/hour	60.907,06	2.741,69
25.205.1411	2500 Kg Steam/hour	72.652,03	3.336,88
25.205.1412	3000 Kg Steam/hour	85.921,89	3.888,25
25.205.1413	4000 Kg Steam/hour	104.020,60	4.473,88
25.205.1414	5000 Kg Steam/hour	127.481,24	4.673,88
25.205.1415	7000 Kg Steam/hour	156.503,30	5.156,00
25.205.1416	8500 Kg Steam/hour	189.213,25	5.356,00
25.205.1417	10000 Kg Steam/hour	225.500,58	5.556,00
25.205.1418	12000 Kg Steam/hour	271.091,63	6.009,38
25.205.1419	14000 Kg Steam/hour	294.149,65	6.106,63
25.205.1420	15000 Kg Steam/hour	337.192,26	6.491,50
25.205.1421	17500 Kg Steam/hour	401.371,73	6.691,50
<b>25.205.1500</b>	<b>Steam generator boilers with 8 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 10% higher than the item 25.205.1400, and the rest of the specifications shall be the same as the item 25.205.1000.		
<b>25.205.1600</b>	<b>Steam generator boilers with 10 atmosphere construction pressure:</b> Unit prices including installation and installation fees shall be 20% higher than the item 25.205.1400, and the rest of the specifications shall be the same as the item 25.205.1000. For 12 atmosphere construction pressure, the unit prices including installation and installation fees in the item 25.205.1400 shall be 30% higher. For 14 ATM atmosphere construction pressure, unit prices including installation and installation fees in the item 25.205.1400 shall be 40% higher. Other specifications shall be the same as the item 25.205.1000.		

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.205.2100</b>	<b>Welded steel superheated water generator boilers with 3 ATM construction pressure: Liquid and Gas-fueled</b> Other specifications shall be the same as the item 25.205.1000.		
25.205.2101	(150,000 kcal/h) 175 kW	12.865,33	783,03
25.205.2102	(200,000 kcal/h) 230 kW	16.481,05	891,66
25.205.2103	(300,000 kcal/h) 350 kW	22.832,00	925,91
25.205.2104	(400,000 kcal/h) 465 kW	26.956,96	1.131,44
25.205.2105	(500,000 kcal/h) 580 kW	35.644,45	1.526,63
25.205.2106	(600,000 kcal/h) 700 kW	39.948,73	1.609,50
25.205.2107	(700,000 kcal/h) 810 kW	42.719,45	1.643,75
25.205.2108	(800,000 kcal/h) 930 kW	44.661,95	1.804,69
25.205.2109	(1,000,000 kcal/h) 1160 kW	52.672,33	2.004,69
25.205.2110	(1,250,000 kcal/h) 1450 kW	63.162,98	2.390,31
25.205.2111	(1,500,000 kcal/h) 1750 kW	73.595,15	2.917,00
25.205.2112	(2,000,000 kcal/h) 2325 kW	90.590,68	3.336,88
25.205.2113	(2,500,000 kcal/h) 2900 kW	105.804,03	3.770,38
25.205.2114	(3,000,000 kcal/h) 3490 kW	108.412,81	3.984,75
25.205.2115	(4,000,000 kcal/h) 4650 kW	130.701,03	4.438,13
<b>25.205.2200</b>	<b>Superheated water generator boilers with 4 atmosphere construction pressure (TS EN 12953-1,TS EN 12953-3):</b> Unit Prices Including Installation and Installation Fees shall be 5% higher than the item 25.205.2100, and the rest of the specifications shall be the same as the item 25.205.1000.		
<b>25.205.2300</b>	<b>Superheated water generator boilers with 5 atmosphere construction pressure (TS EN 12953-1,TS EN 12953-3):</b> Unit Prices Including Installation and Installation Fees shall be 10% higher than the item 25.205.2100, and the rest of the specifications shall be the same as the item 25.205.1000.		
<b>25.205.2400</b>	<b>Welded steel superheated water generator boilers with 6 ATM construction pressure: Liquid and Gas-fueled:</b> To be manufactured as per TS EN 12953, project design and manufacture shall be inspected by an accredited organization, and the other specifications shall be the same as the item 25.205.1000.		
25.205.2401	(150,000 kcal/h) 175 kW	16.804,56	934,40
25.205.2402	(200,000 kcal/h) 230 kW	22.440,31	1.043,04
25.205.2403	(300,000 kcal/h) 350 kW	27.187,99	1.091,66
25.205.2404	(400,000 kcal/h) 465 kW	33.236,91	1.282,81
25.205.2405	(500,000 kcal/h) 580 kW	40.399,40	1.760,88
25.205.2406	(600,000 kcal/h) 700 kW	43.803,11	1.843,75
25.205.2407	(700,000 kcal/h) 810 kW	51.376,94	1.878,00
25.205.2408	(800,000 kcal/h) 930 kW	52.307,50	2.038,94
25.205.2409	(1,000,000 kcal/h) 1160 kW	73.291,86	2.273,19
25.205.2410	(1,250,000 kcal/h) 1450 kW	86.099,91	2.741,69
25.205.2411	(1,500,000 kcal/h) 1750 kW	96.890,29	3.336,88
25.205.2412	(2,000,000 kcal/h) 2325 kW	108.230,80	3.888,25
25.205.2413	(2,500,000 kcal/h) 2900 kW	134.211,03	4.498,50
25.205.2414	(3,000,000 kcal/h) 3490 kW	155.789,04	4.527,25
25.205.2415	(4,000,000 kcal/h) 4650 kW	207.076,50	5.123,13

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.205.2500	<p><b>Superheated water generator boilers with 8 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 10% higher than the item 25.205.2400, and the rest of the specifications shall be the same as the item 25.205.1000.</p>		
25.205.2600	<p><b>Superheated water generator boilers with 10 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 20% higher than the item 25.205.2400, and the rest of the specifications shall be the same as the item 25.205.1000.</p>		
25.205.2700	<p><b>Superheated water generator boilers with 12 atmosphere construction pressure:</b> Unit Prices Including Installation and Installation Fees shall be 30% higher than the item 25.205.2400, and the rest of the specifications shall be the same as the item 25.205.1000.</p>		
25.207.1000	<p><b>MANUFACTURE OF GRATES: (Unit: kg, Materials on construction site: 60%)</b> Production and installation of cast iron grates for the boilers as prescribed in the approved project.</p>	6,49	2,95
25.207.1100	<p><b>Replacement of boiler pipes of radiators and steam generators (Unit: m, Materials on construction site: 60%)</b> Detachment of the fume hood to remove defective smoke pipes without damaging the boiler plate; removal of pipes, installation of new boiler pipes of appropriate size and application of tube expanders; temporary closure of boiler connections to test tightness and pressure testing at 1.5 times the operating pressure; delivery of the boiler in working order including any material, labor and damages.</p>		
25.207.1101	<p><b>70% of the unit price including installation of black welded and steam boiler pipes of the item 25.300.1000 shall be paid as extra depending on the external measure of the replaced pipe, and no pipe installation material shall be charged.</b></p>		
25.207.1102	<p><b>Where there are replaced weldless black pipes (patent rolled steel pipes), 70% extra payment shall be added to the unit prices of the item 25.300.1500, and other conditions shall be as specified in the items 25.207.1100 ve 1101.</b></p>		
25.208.1000	<p><b>MECHANICAL STOKERS: (Unit: Qty., Materials on construction site: 80%)</b></p>		
25.208.1100	<p><b>Worm gear type:</b> Supply and transportation to the work site and installation in its designated location, including any small material and building a base of 250-kg/m<sup>3</sup> concrete on the floor, of a stoker sized to fit the boiler's capacity and deliver any kind of coal, which shall be equipped with a wide-pitch screw made of 5-mm hot-formed steel sheet or cast steel depending on the approved project, an external pipe made of min. 3-mm steel sheet or min. 8-mm pig cast steel with screw safety pins fitting the screw, pig-cast grate formed and sized to burn any kind of coal, min. 0.2-m<sup>2</sup> chamber made of min. 2-mm steel sheet reinforced with 40x40x4-mm angle steel, a coal size adjustment mechanism, hermetic motor, an original ventilation fan of appropriate size, and a setting mechanism that can deliver min. 3 levels of coal and air.</p>		
25.208.1101	Up to 100 kg/h coal Burning	16.824,83	737,39
25.208.1102	Up to 200 kg/h coal Burning	21.129,13	778,83
25.208.1103	Up to 300 kg/h coal Burning	27.481,64	861,70
25.208.1104	Up to 400 kg/h coal Burning	30.924,68	944,58
25.208.1105	Up to 500 kg/h coal Burning	37.397,80	1.151,76
25.208.1106	Up to 600 kg/h coal Burning	40.947,01	1.524,70



## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.208.1200</b>	<p><b>Coal burner with fully automated motion grate:</b> Coal burner designed to be installed in the boiler furnace for semi-cylindrical boilers or in the pre-combustion chamber for cylindrical boilers, and equipped with a hydromechanical motion grate to ensure better burning by stirring the coal crushed in appropriate grain size by pushing it: supply, installation, and delivery in working order with a grate actuator assembly; a coal bunker reinforced with sheet metal profile sized sufficiently for lignite with max. 50-mm grain size for an hour, which can be easily detached and attached; a mechanism (coal pump) for periodically putting the coal in the bunker on the grate as required by the system; LPG (or fuel) equipment for automatic first ignition; an automatic control system to ensure continuous operation of this system for a defined period; primary air blower, an exhaust gas aspirator; ash carrying system, LPG (or fuel oil) ignition system coal pump; and a program adding system to ensure periodic operation of the hydraulic actuator within this system, which can be programmed as desired (The electrical installation, exhaust gas aspirator, primary and secondary air blowers, exhaust gas and smoke ducts, air ducts, multi-cyclonic ash discharge system, coal crushing and conveying mechanisms, and fresh air pre-heating system shall be charged separately per relevant unit prices).</p>		
25.208.1201	Up to 200 kg/h	66.740,39	757,01
25.208.1202	Up to 300 kg/h	79.314,15	839,89
25.208.1203	Up to 400 kg/h	100.063,15	922,76
25.208.1204	Up to 500 kg/h	116.699,96	1.169,20
25.208.1205	<p><b>Up to 600 kg/h</b> Note: 15% extra charge shall apply if a pre-chamber compatible with the boiler is made for cylindrical boilers.</p>	120.210,23	1.415,64
<b>25.208.1300</b>	<p><b>Worm-gear screw with special grate, coal and slag crusher:</b> Installation on a steel base, coating with red lead and oil paint, and installation in the designated location, including any material and labor, with a 1-m<sup>3</sup> coal storage made of 3-mm black sheet metal and reinforced with a 50x50x5-mm angle steel, a coal pit, coal crusher run by an electric motor with necessary power below the coal storage, an approximately 0.5-m<sup>3</sup> coal pit, a 3.4-m<sup>3</sup> coal bunker made of 3-mm black sheet metal and reinforced with a 40x40x1-mm angle steel, a coal level adjuster on the bunker, a coal spiral and drum made of special cast metal to take the crushed coal from the coal pit and convey it through the bunker to the grate with an electric motor with power required by the capacity of an operating boiler, with a large pitch, a safety pin against forcing, a heat-resistant cast steel screw barrel, a cast steel grate manufactured specifically for the type and quality of the coal and slightly slanted to the right or left, an electric variator adjusting the amount of coal, a combustion air blower suitable to the boiler and a valve adjusting the air flow rate.</p>		
25.208.1301	For coal up to 100 kg/h	28.663,74	737,39
25.208.1302	For coal up to 200 kg/h	29.915,21	778,83
25.208.1303	For coal up to 300 kg/h	31.203,85	861,70
25.208.1304	For coal up to 400 kg/h	32.418,38	944,58
25.208.1305	For coal up to 500 kg/h	35.104,06	1.151,76
25.208.1306	For coal up to 600 kg/h	39.094,29	1.524,70

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.210.1100</b>	<p><b>SECTIONAL CAST HOME BOILER, DIESEL-FUELED: (Unit: Qty. Materials on construction site: 80%)</b></p> <p>Thermodynamic and endurance calculations shall be conducted for the construction pressure required by the standards of TS 9876 EN 303-4, with the production projects approved by the administration, manufactured in compliance with the Directive (92/42/EEC) Hot-Water Boilers, and the capacity and thermal efficiency values found by capacity and thermal efficiency tests conducted as per the standards TS-4040 and TS 4041 as well as the communiqué no. 93/80-81 published in the Official Gazette no. 21651 dated 28 July 1993 shall not be lower than the minimum values specified in the said communiqué and Turkish standards, and boilers with lower efficiency shall not be used. The said results shall be documented and specified in the relevant projects. Production, transportation to the work site, installation on a base and delivery in working order of a boiler with a coupled burner and a control panel with an operating thermostat, safety thermostat and thermometer. Unit prices for other capacities shall be interpolated.</p>		
25.210.1101	14,000 kcal/h	3.504,94	185,63
25.210.1102	18,000 kcal/h	3.804,93	219,88
25.210.1103	24,000 kcal/h	4.515,60	254,13
25.210.1104	30,000 kcal/h	5.988,83	288,38
25.210.1105	40,000 kcal/h	6.854,51	322,63
<b>25.212.1000</b>	<p><b>COMBI BOILER: (HOME BOILER + WATER HEATER) NATURAL GAS AND LPG-FUELED: (Unit: Qty. Materials on construction site: 80%)</b></p> <p>Supply to the work site, installation, and delivery in working order of a combi boiler of flue or hermetically sealed type in compliance with the Directive 2016/426/AB on Appliances Burning Gaseous Fuels and the standards TS EN 297, TS EN 15502-2-1 TS EN 625, and bearing a CE compliance marking, with pilot flame or electronic ignition mechanism, safety mechanisms that turn off gas supply in case of overheat, overpressure, flue blockage, water outage while operating, flame-out, for heating and utility water, flame modulation depending on different heating needs, individual temperature settings of heating and utility water, equipped with a circulation pump with different steps, an enclosed expansion tank, automatic air bleed valve and safety valve, for heating and utility water, which shall bear a nameplate that indicates the manufacturing date, heating capacity, fuel type and manufacturer, and an operating manual. Note: Flexible stainless steel pipes shall be used for flue connections of the combi boiler.</p>		
25.212.1001	Min. 15000 kcal/h, Hermetic, Electronic	3.191,35	171,25
25.212.1002	Min. 17,000 kcal/h, Hermetic, Electronic	3.946,74	171,25
25.212.1003	Min. 20,000 kcal/h, Hermetic, Electronic	4.215,11	205,50
25.212.1004	Min 24,000 kcal/h, Hermetic, Electronic	4.455,51	239,75
25.212.1006	Min. 30,000 kcal/h, Hermetic, Electronic	6.459,59	274,00

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.212.1100</b>	<p><b>CONDENSING COMBI BOILER, NATURAL GAS AND LPG-FUELED: (Unit: Qty.)</b>  Supply to the work site, installation, and delivery in working order of a hermetic combi boiler in compliance with the Directive 2016/426/ AB on Appliances Burning Gaseous Fuels, the Regulation 92/42/ CEE on the efficiency of water and the standards TS EN 677, TS EN 483, TS EN 625, and bearing a CE compliance marking, with a premix-type (fully premixed) gas burner, a modulation fan, activating high and/or low temperature heating circuits by gas and air modulation settings, equipped with safety equipment compatible with the control system, can be connected to any of the flue types B23, C13, C33, C53 among the flue types compatible with the hermetic, equipped with two separate heat exchangers, an electronic ignition mechanism, safety mechanisms that turn off gas supply in case of overheat, overpressure, flue blockage, water outage while operating, flame-out, for heating and utility water, flame modulation depending on different heating needs, individual temperature settings of heating and utility water, equipped with a circulation pump, an enclosed expansion tank, automatic air bleed valve and safety valve, for heating and utility water, which shall bear a nameplate that indicates the manufacturing date, heating capacity, fuel type and manufacturer, and an operating manual.  Note: 1- The capacity for feed and return water temperatures of 50°C/30°C shall be taken as basis for the device capacity. 2- Unit prices of other capacities shall be interpolated.</p>		
25.212.1101	Min 20,000 kcal/h, Hermetic, Electronic	4.593,85	205,50
25.212.1102	Min 24,000 kcal/h, Hermetic, Electronic	5.880,80	239,75
25.212.1103	Min 28,000 kcal/h, Hermetic, Electronic	6.342,91	239,75
<b>25.214.1000</b>	<p><b>WALL-MOUNTED, GAS-FUELED CONDENSING BOILERS, NATURAL GAS AND/OR LPG-FUELED: (Unit: Qty.)</b>  Supply, installation, and delivery in working order of a wall-mounted boiler manufactured in compliance with the Directive 2016/426/ ABon Appliances Burning Gaseous Fuels and bearing a CE compliance marking, equipped to comply with the standards TS EN 656, TS EN 677, TS EN 15502-2-1 for the capacities between 20,000 and 70,000 kcal/h and with the standards TS EN 15502-2-1 , TS EN 15417 for the capacities above 70,000 kcal/h, equipped with a premix-type gas burner with the parts of the exchanger suitable to cascaded connections exposed to condensation made of corrosion-resistant material, a modulation fan, safety equipment compatible with the control system, a condensation water drain connection, the nominal heating power higher than 200 kW (172,000 kcal/h) with the condensation fluid neutralized by a neutralization unit and drained to the sewerage network for condensing boilers, which is capable of controlling the high and/or low temperature heating circuits and boiler circuit, controllable by an electronic board, adjust gas and air by modulation, suitable for connection to any of the hermetic flue configurations B23, B23p, B33, C13, C33, C43, C53 or C83, and which is capable of controlling the external air, internal air, boiler temperature, weekly programming, etc. where necessary, by means of external or internal control units. Note: 1- The capacity for feed and return water temperatures of 50°C/30°C shall be taken as basis for the device capacity. 2- Hermetic flue set is not included in the price. 3- Unit prices of other capacities shall be interpolated.</p>		
25.214.1001	20 kW to 29.9 kW	9.568,75	155,00
25.214.1002	30 kW to 39.9 kW	10.028,29	222,63
25.214.1003	40 kW to 49.9 kW	10.567,66	254,13

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.214.1004	50 kW to 59.9 kW	11.357,04	285,63
25.214.1005	60 kW to 69.9 kW	12.388,92	317,13
25.214.1006	70 kW to 79.9 kW	12.685,79	348,63
25.214.1007	80 kW to 89.9 kW	13.216,17	372,94
25.214.1008	90 kW to 99.9 kW	13.992,08	393,66
25.214.1009	100 kW to 114.9 kW	14.780,36	414,38
25.214.1010	115 kW to 129.9 kW	16.610,21	455,81
25.214.1011	130 kW to 150 kW	21.428,75	497,25
<b>25.214.5000</b>	<p><b>FLOOR-TYPE GAS OR LIQUID FUELED CONDENSING BOILERS WITHOUT INTEGRATED BURNER: (Unit: Qty.)</b></p> <p>An external neutralizer shall be added to the systems manufactured as per the standards TS EN 303-1, TS EN 303-3 and TS EN 15502-2-2 for the capacities below 1000 kW as well as the Directive 2016/426/EU on Appliances Burning Gaseous Fuels, and released with CE compliance marking, equipped with the required equipment, with the parts suitable to cascaded connections, with the parts exposed to condensation made of sufficiently corrosion-resistant material, capable of controlling the high and/or low temperature heating circuits and boiler circuit, controllable by an electronic board, performs burning by means of an external modulating burner, equipped with a safety equipment compatible with the control system, which allows connection to any of the flue configurations B23, B23p, B33, and equipped with a condensation water drainage connection, and with an overall system power greater than 200 kW. Supply to the work site, installation and delivery in working order of floor type boilers with the condensation fluid neutralized by a neutralization unit and drained to the sewerage network, which shall be capable of controlling the external air, internal air and boiler temperature, weekly operating schedule, etc. by means of internal or external control units. Note: 1- The capacity for feed and return water temperatures of 50 C/30 C shall be taken as basis for the device capacity.</p>		
25.214.5001	150 kW to 189 kW	20.641,25	663,00
25.214.5002	190 kW to 224 kW	25.550,00	700,00
25.214.5003	225 kW to 274 kW	30.623,44	828,75
25.214.5004	285 kW to 324 kW	33.639,54	911,63
25.214.5005	325 kW to 399 kW	36.937,50	950,00
25.214.5006	400 kW to 474 kW	43.696,72	1.077,38
25.214.5007	475 kW to 549 kW	50.125,00	1.100,00
25.214.5008	550 kW to 624 kW	56.450,31	1.160,25
25.214.5009	625 kW to 699 kW	60.775,00	1.300,00
25.214.5010	700 kW to 799 kW	80.557,60	1.446,08
25.214.5011	800 kW to 899 kW	90.531,25	1.550,00
25.214.5012	900 kW to 1000 kW	100.452,29	1.611,83

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.214.6000</b>	<p><b>FLOOR-TYPE, GAS-FUELED CONDENSING BOILERS WITH PREMIX BURNER, NATURAL GAS AND/OR LPG-FUELED: (Unit: Qty.)</b> Manufactured as per the Directive 2016/426/EU on Appliances Burning Gaseous Fuels, released with a CE marking, equipped with the equipment complying with the standards TS EN 656 (for type b boilers with a nominal thermal load of 70 kW to 300 kW), TS EN 15502-2-1+A1 and TS EN 15502-2-2 (for type B1 flues), with the parts of the exchanger suitable to cascaded connections exposed to condensation made of corrosion-resistant material, with a premix-type (fully premixed) gas burner, a modulating fan, and a condensation water drainage outlet, which controls high and/or low temperature heating circuits and the boiler circuit, controlled by an electronic board, performs combustion by modulating the gas and air settings, equipped with safety systems compatible with the control system, and allows connection to any of the flue types B23, B23p, B33, C13, C33, C43, C53, C83 compatible with the hermetically-sealed flue structure. An external neutralizer shall be added for the systems with a power rating higher than 200 kW. Supply to the work site, installation and delivery in working order of floor type boilers with the condensation fluid neutralized by a neutralization unit and drained to the sewerage network, which shall be capable of controlling the external air, internal air and boiler temperature, weekly operating schedule, etc. by means of internal or external control units. Note: The capacity for feed and return water temperatures of 50 C/30 C shall be taken as basis for the device capacity.</p>		
25.214.6001	125 kW to 149 kW	42.936,25	550,00
25.214.6002	150 kW to 189 kW	48.328,75	663,00
25.214.6003	190 kW to 224 kW	53.375,00	700,00
25.214.6004	225 kW to 284 kW	57.160,94	828,75
25.214.6005	285 kW to 324 kW	60.827,04	911,63
25.214.6006	325 kW to 399 kW	68.687,50	950,00
25.214.6007	400 kW to 474 kW	78.846,73	1.077,38
25.214.6008	475 kW to 549 kW	87.000,00	1.100,00
25.214.6009	550 kW to 624 kW	93.450,31	1.160,25
25.214.6010	625 kW to 699 kW	100.750,00	1.300,00
25.214.6011	700 kW to 799 kW	121.620,10	1.446,08
25.214.6012	800 kW to 899 kW	145.687,50	1.550,00
25.214.6013	900 kW to 999 kW	170.750,00	1.600,00
25.214.6014	1000 kW to 1149 kW	195.389,79	1.611,83
25.214.6015	1150 kW to 1300 kW	209.250,00	1.650,00

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.220.1000</b>	<b>EXCHANGERS (HEAT EXCHANGERS) (TS EN 13445, TS 1996):</b> <b>(Unit: Qty.)</b>		
<b>25.220.1100</b>	<b>PN 10 copper pipe serpentine</b> Supply to the work site and installation in the designated locations of the pipes for heating water with steam or superheated water, which shall be selected by approving the project design containing the endurance and thermodynamic calculations or prospectus, manufactured in compliance with the Regulation 2014/68/AB on Pressure Equipment, released with a CE compliance marking, with counter-current; Fe 37 body; copper pipe manufactured per TS EN 12451; serpentine with min. 1-mm wall thickness; a tube sheet fixed between two ring flanges by a bolt and a seal to facilitate detachment of the serpentine, flanged nozzles for input and output of steam or superheated water and hot water; control and safety equipment and connection nozzles for fill and discharge taps, and one or two feet of appropriate structure and in required height, including installation on a concrete base by appropriate studs and insulation of its exterior by rock wool mattress (chlorine content < 10 ppm) with 90 kg/m <sup>3</sup> density, sewn on 5-cm-thick rabbit wires, and jacketing the insulation material with min. 0.5-mm-thick galvanized sheet metal and coating of the non-galvanized surfaces with two layers of flame-retardant paint. (The external diameter shall be taken as basis for calculating the heating area.)		
25.220.1101	1 m <sup>2</sup> serpentine area	4.889,11	308,64
25.220.1102	2 m <sup>2</sup> serpentine area	5.888,55	357,26
25.220.1103	3 m <sup>2</sup> serpentine area	6.880,71	357,26
25.220.1104	4 m <sup>2</sup> serpentine area	8.583,93	357,26
25.220.1105	5 m <sup>2</sup> serpentine area	9.785,28	391,51
25.220.1106	6 m <sup>2</sup> serpentine area	10.889,80	391,51
25.220.1107	8 m <sup>2</sup> serpentine area	12.210,61	391,51
25.220.1108	10 m <sup>2</sup> serpentine area	14.528,21	425,76
25.220.1109	12.5 m <sup>2</sup> serpentine area	16.810,19	425,76
25.220.1110	15 m <sup>2</sup> serpentine area	19.434,91	474,39
25.220.1111	17.5 m <sup>2</sup> serpentine area	22.701,33	508,64
25.220.1112	20 m <sup>2</sup> serpentine area	25.770,49	508,64
25.220.1113	25 m <sup>2</sup> serpentine area	29.983,66	591,51
25.220.1114	30 m <sup>2</sup> serpentine area	35.301,11	625,76
25.220.1115	35 m <sup>2</sup> serpentine area	40.032,91	660,01
25.220.1116	40 m <sup>2</sup> serpentine area	48.684,35	817,28
25.220.1117	45 m <sup>2</sup> serpentine area	53.762,15	851,53
25.220.1118	50 m <sup>2</sup> serpentine area	58.837,34	900,15
25.220.1119	60 m <sup>2</sup> serpentine area	67.797,78	1.017,28
25.220.1120	70 m <sup>2</sup> serpentine area	79.825,79	1.134,40
25.220.1121	80 m <sup>2</sup> serpentine area	86.478,64	1.202,90
25.220.1122	90 m <sup>2</sup> serpentine area	97.698,04	1.320,03
25.220.1123	100 m <sup>2</sup> serpentine area	106.431,70	1.402,90
25.220.1124	110 m <sup>2</sup> serpentine area	112.452,93	1.520,03
25.220.1125	120 m <sup>2</sup> serpentine area	120.540,59	1.637,15
25.220.1126	130 m <sup>2</sup> serpentine area	130.147,04	1.720,03
<b>25.220.1200</b>	<b>With PN 16 copper pipe serpentine</b> (Copper pipe thickness: min. 1.5 mm): Unit price in installed form shall be 35% higher than the item 25.220.1100 with the installation fees and other specifications remaining unchanged.		

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.220.1300</b>	<b>With PN 10 steel pipe serpentine</b> Supply and installation of an exchanger at the work site with the same specifications as the item 25.220.1100 except for min. 15-mm welded black pipes as per TS-301/2.		
25.220.1301	1 m <sup>2</sup> serpentine area	4.213,89	308,64
25.220.1302	2 m <sup>2</sup> serpentine area	4.962,25	357,26
25.220.1303	3 m <sup>2</sup> serpentine area	5.304,29	357,26
25.220.1304	4 m <sup>2</sup> serpentine area	6.582,99	357,26
25.220.1305	5 m <sup>2</sup> serpentine area	6.996,26	391,51
25.220.1306	6 m <sup>2</sup> serpentine area	8.360,09	391,51
25.220.1307	8 m <sup>2</sup> serpentine area	9.753,65	391,51
25.220.1308	10 m <sup>2</sup> serpentine area	10.945,34	425,76
25.220.1309	12.5 m <sup>2</sup> serpentine area	14.411,56	425,76
25.220.1310	15 m <sup>2</sup> serpentine area	16.427,45	474,39
25.220.1311	17.5 m <sup>2</sup> serpentine area	18.819,18	508,64
25.220.1312	20 m <sup>2</sup> serpentine area	20.061,08	508,64
25.220.1313	25 m <sup>2</sup> serpentine area	24.682,51	591,51
25.220.1314	30 m <sup>2</sup> serpentine area	26.037,98	625,76
25.220.1315	35 m <sup>2</sup> serpentine area	29.777,88	660,01
25.220.1316	40 m <sup>2</sup> serpentine area	33.874,90	817,28
25.220.1317	45 m <sup>2</sup> serpentine area	38.518,08	851,53
25.220.1318	50 m <sup>2</sup> serpentine area	39.360,13	900,15
25.220.1319	60 m <sup>2</sup> serpentine area	42.164,35	1.017,28
25.220.1320	70 m <sup>2</sup> serpentine area	50.136,08	1.134,40
25.220.1321	80 m <sup>2</sup> serpentine area	55.537,44	1.202,90
25.220.1322	90 m <sup>2</sup> serpentine area	63.619,40	1.320,03
25.220.1323	100 m <sup>2</sup> serpentine area	66.797,23	1.402,90
25.220.1324	110 m <sup>2</sup> serpentine area	71.932,84	1.520,03
25.220.1325	120 m <sup>2</sup> serpentine area	76.940,10	1.637,15
25.220.1326	130 m <sup>2</sup> serpentine area	78.242,30	1.720,03
<b>25.220.1400</b>	<b>With PN 16 steel pipe serpentine</b> Unit prices including installation and installation charges shall be 20%, or if weldless pipes are used, 40%, higher than the item 25.220.1300 with the rest of the specifications remaining the same.		
<b>25.220.1500</b>	<b>PN 25 quality with weldless pipes of min. F 37.2 materials:</b> Unit Prices Including Installation and Installation Fees shall be 80% higher than the item 25.220.1300, and the rest of the specifications shall remain unchanged.		

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.220.2000</b>	<p><b>PLATE HEAT EXCHANGERS (Unit: Qty.)</b> Galvanized St. 37-2 plate heat exchangers with 10-bar operating pressure and enclosing easily detachable, sealed plates, with the surfaces of heat transfer plates designed to force the fluid to a high-turbulence flow so that a fast and highly efficient heat transfer occurs between the two fluids; equipped with housing and fittings compatible with the pressure; with 0.5-mm-thick plates made of stainless material meeting the AISI 316 quality requirements; seals made of NBR or EPDM material that offer sealing and compatibility with the operating conditions; detachable seals inserted in the holes made on the plates or snapped on the plates, which do not require further adhesion; front and rear pressure plates of St. 37-2 steel and coated with epoxy paint; tension studs of class 8.8 quality. Heat exchangers shall be chosen as per the values specified in the approved project, and the exchangers shall be installed to their designated locations once reports containing the data of the selected values are approved by the administration.</p>		
<b>25.220.2100</b>	<p><b>Domestic Hot Water Plate exchanger</b> Supply and installation of plate exchangers with primary circuit inlet outlet temperature of 90-70°C and secondary circuit inlet outlet temperature of 10-60°C water.</p>		
25.220.2101	Capacity 20,000 kcal/h, primary circuit max. pressure loss: 0.5 mWC	1.031,08	82,88
25.220.2102	Capacity 50,000 kcal/h, primary circuit max. pressure loss: 1 mWC	1.248,13	89,73
25.220.2103	Capacity 75,000 kcal/h, primary circuit max. pressure loss: 1.5 mWC	1.324,65	96,58
25.220.2104	Capacity 100,000 kcal/h, primary circuit max. pressure loss: 2 mWC	1.428,29	100,00
25.220.2105	Capacity 200,000 kcal/h, primary circuit max. pressure loss: 3 mWC	2.043,28	110,28
25.220.2106	Capacity 300,000 kcal/h, primary circuit max. pressure loss: 3 mWC	3.037,70	117,13
25.220.2107	Capacity 400,000 kcal/h, primary circuit max. pressure loss: 3 mWC	3.528,91	148,63
25.220.2108	Capacity 500,000 kcal/h, primary circuit max. pressure loss: 3 mWC	4.385,13	165,75
25.220.2109	Capacity 600,000 kcal/h, primary circuit max. pressure loss: 3 mWC	5.036,49	172,60
25.220.2110	Capacity 700,000 kcal/h, primary circuit max. pressure loss: 4 mWC	5.129,03	182,88
25.220.2111	Capacity 800,000 kcal/h, primary circuit max. pressure loss: 4 mWC	5.432,40	193,15
25.220.2112	Capacity 900,000 kcal/h, primary circuit max. pressure loss: 4 mWC	6.285,55	196,58
25.220.2113	Capacity 1,000,000 kcal/h, primary circuit max. pressure loss: 4 mWC	7.060,54	200,00
<b>25.220.2200</b>	<p><b>Plate Exchanger for the Heating Line</b> Supply and installation of plate heat exchangers with primary circuit inlet outlet temperature of 90-70°C and secondary circuit inlet outlet temperature of 60-80°C water.</p>		
25.220.2201	Capacity: 20,000 kcal/h, primary circuit max. pressure loss 0.5 mWC	1.423,65	82,88



## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.220.2202	Capacity: 50,000 kcal/h, primary circuit max. pressure loss 1 mWC	1.885,98	89,73
25.220.2203	Capacity 75,000 kcal/h, primary circuit max. pressure loss 1.5mWC	2.347,80	96,58
25.220.2204	Capacity: 100,000 kcal/h, primary circuit max. pressure loss 2 mWC	2.620,13	100,00
25.220.2205	Capacity: 200,000 kcal/h, primary circuit max. pressure loss 3 mWC	3.713,44	110,28
25.220.2206	Capacity: 300,000 kcal/h, primary circuit max. pressure loss 3 mWC	4.641,91	117,13
25.220.2207	Capacity: 400,000 kcal/h, primary circuit max. pressure loss 3 mWC	5.760,53	148,63
25.220.2208	Capacity: 500,000 kcal/h, primary circuit max. pressure loss 3 mWC	6.623,19	165,75
25.220.2209	Capacity: 600,000 kcal/h, primary circuit max. pressure loss 3 mWC	7.007,50	172,60
25.220.2210	Capacity: 700,000 kcal/h, primary circuit max. pressure loss 4 mWC	7.645,89	182,88
25.220.2211	Capacity: 800,000 kcal/h, primary circuit max. pressure loss 4 mWC	8.528,86	193,15
25.220.2212	Capacity: 900,000 kcal/h, primary circuit max. pressure loss 4 mWC	9.365,75	196,58
25.220.2213	Capacity: 1,000,000 kcal/h, primary circuit max. pressure loss 4 mWC	10.359,65	200,00
<b>25.225.1000</b>	<p><b>HEATERS (Radiators): (Unit: m<sup>2</sup>, Materials on construction site: 80%)</b></p> <p>All heaters (radiators) shall be manufactured to comply with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking. The heaters shall be installed and secured as per TS-1499.</p>		
<b>25.225.1001</b>	<p><b>A series sectional cast iron radiators with plain surface:</b></p> <p>The wet heating surfaces of the radiators manufactured in compliance with the TS EN 442-1 and ISO 185 and released with a CE compliance marking shall have a wall thickness of min. 2.5 mm. Supply to the work site, and grouping and installation as prescribed in the project design of cast iron radiators composed of primer-coated sections or groups of sections and installed on feet or consoles. (Seals, nipple plugs and reducers to be used for grouping the sections are included in the price. No additional charge shall apply.)</p> <p>NOTE:</p> <p>1- Acceptable tolerances shall be <math>\pm 0.3</math> mm for the distance between axes, and <math>\pm 2</math> mm for the full length and width.</p> <p>2- They shall be tested and fixed to comply with the thermal power values of 75°C - 65°C (DT = 50°K).</p> <p>3- Cast iron radiators shall be tested for tightness at min. 10 bars in their marketed form (in groups or sections).</p>		
<b>25.225.1100</b>	<p><b>B series sectional cast iron radiators with plain surface: (TS EN 442-1)</b></p> <p>Other specifications the same as the item 25.225.1001.</p>		
25.225.1101	70/900 mm	253,95	41,44
25.225.1102	160/900 mm	226,29	41,44
25.225.1103	110/500 mm	258,05	41,44
25.225.1104	160/500 mm	232,55	41,44
25.225.1105	220/500 mm	251,41	41,44
25.225.1106	160/350 mm	255,63	41,44
25.225.1107	70/500 mm	253,39	41,44
<b>25.225.1200</b>	<p><b>Sectional cast, iron column radiators: (TS EN 442-1)</b></p> <p>Other specifications the same as the item 25.225.1001.</p>		
25.225.1201	144/800 mm	260,25	41,44
25.225.1202	221/800 mm	252,06	41,44
25.225.1203	144/650 mm	256,39	41,44
25.225.1204	221/650 mm	210,25	41,44
25.225.1205	144/500 mm	264,89	41,44
25.225.1206	221/500 mm	263,51	41,44

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.225.1207	144/350 mm	268,98	41,44
25.225.1208	221/350 mm	256,69	41,44
25.225.1209	144/600 mm	241,66	41,44
<b>25.225.1300</b>	<b>Sectional cast iron radiators with flat surface appearance: (TS EN 442)</b> In following dimensions, forming a flat appearance when grouped. Other specifications the same as the item 25.225.1001.		
25.225.1301	99/813 mm	184,46	41,44
25.225.1302	134/813 mm	161,89	41,44
25.225.1303	99/623 mm	192,43	41,44
25.225.1304	134/623 mm	191,10	41,44
25.225.1305	99/500 mm	199,08	41,44
25.225.1306	134/500 mm	197,74	41,44
25.225.1307	170/623 mm	177,83	41,44
25.225.1308	170/813 mm	176,50	41,44
<b>25.225.1500</b>	<b>RADIATOR BRACKETS: (Unit: Qty., Materials on construction site: 60%).</b>		
25.225.1501	<b>Radiator wall console: (TS 1107).</b> Installation of a console made of 25x25x2-mm T-iron with the end penetrating into the wall pronged and the other end bearing the radiator, and coating with a layer of red lead and two layers of oil paint after installation. Factory-made consoles shall be used with the factory recommendations being followed for aluminum radiators.	6,38	1,96
25.225.1502	<b>Radiator pedestal console: (TS 1107).</b> Installation and coating with 1 layer of red lead and 2 layers of oil paint of a console made by giving a 25x25x2.5-mm T-iron a crescent shape and welding it on a 15-mm pronged pipe.	6,38	1,96
25.225.1503	<b>Radiator clamps. (As per TS 1107).</b> Supply to the work site and installation of radiator clamps of appropriate size and quality, which can be tightened by a slot countersunk screw with the part penetrating into the wall pronged. One coat of red lead and a coat of oil paint after installation.	4,28	1,96
<b>25.225.2000</b>	<b>Aluminum panel radiators: (Unit: m<sup>2</sup>). (in compliance with TS EN 442)</b> Supply as packaged, and installation, including any fittings (consoles, screws, dowel pins, purge valves, blind plugs, and where necessary, console cushion), of the radiators manufactured as a single piece or multiple pieces by pressing under high pressure or interlocking by welding of aluminum extrusion profiles to each other in compliance with TS EN 573-1/2/3/4 and TS EN 755 after they are hardened with a special thermal treatment, with a wall thickness of min. 1.1 mm for wet surfaces and 0.8 mm for convection surfaces, resistance to an operating pressure of 9 bars, thermal powers determined by being tested per TS EN 442, electrostatic coating with anodized and polyester powder paint per TS 4922, which shall be factory-grouped in a single piece. Section width: 40 mm, radiator thickness: 60 to 70 mm		
25.225.2101	300 mm	241,16	31,71
25.225.2102	375 mm	224,64	31,71
25.225.2103	450 mm	210,04	31,71
25.225.2104	525 mm	207,38	31,71
25.225.2105	600 mm	198,06	31,71
25.225.2106	750 mm	194,06	31,71

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.225.2107	825 mm	192,74	31,71
25.225.2108	900 mm	190,08	31,71
25.225.2109	1000 mm	184,75	31,71
25.225.2110	1250 mm	165,10	31,71
<b>25.225.2200</b>	<b>Section width: 80 mm, radiator thickness: approximately 30 to 40 mm</b>		
25.225.2201	300 mm	238,55	31,71
25.225.2202	375 mm	222,84	31,71
25.225.2203	450 mm	212,36	31,71
25.225.2204	525 mm	196,06	31,71
25.225.2205	600 mm	192,26	31,71
25.225.2206	750 mm	189,43	31,71
25.225.2207	825 mm	189,43	31,71
25.225.2208	900 mm	189,43	31,71
25.225.2209	1000 mm	189,43	31,71
25.225.2210	1250 mm	187,50	31,71
25.225.2211	1500 mm	187,50	31,71
25.225.2212	1,750 mm	187,50	31,71
25.225.2213	2000 mm	187,50	31,71
25.225.2214	2,250 mm	187,50	31,71
<b>25.225.2300</b>	<b>Section width: 80 mm, radiator thickness: approximately 60 to 70 mm</b>		
25.225.2301	300 mm	237,55	31,71
25.225.2302	375 mm	225,60	31,71
25.225.2303	450 mm	216,30	31,71
25.225.2304	525 mm	200,36	31,71
25.225.2305	600 mm	191,81	31,71
25.225.2306	750 mm	187,68	31,71
25.225.2307	825 mm	187,09	31,71
25.225.2308	900 mm	187,09	31,71
25.225.2309	1000 mm	187,09	31,71
25.225.2310	1250 mm	185,76	31,71
<b>25.225.2400</b>	<b>Section width: 80 mm, radiator thickness: approximately 100 to 110 mm</b>		
25.225.2401	300 mm	235,35	31,71
25.225.2402	375 mm	225,10	31,71
25.225.2403	450 mm	202,05	31,71
25.225.2404	525 mm	195,65	31,71
25.225.2405	600 mm	190,53	31,71
25.225.2406	750 mm	185,40	31,71
25.225.2407	825 mm	180,28	31,71
25.225.2408	900 mm	176,44	31,71
25.225.2409	1000 mm	176,44	31,71
25.225.2410	1250 mm	176,44	31,71
25.225.2411	1500 mm	173,88	31,71
25.225.2412	1750 mm	173,88	31,71
25.225.2413	2000 mm	171,31	31,71
25.225.2414	2,250 mm	171,31	31,71

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.225.3000</b>	<b>PANEL RADIATORS: (Unit: m)</b> Supply to the work site as packaged and installation, including fittings, of radiators coated with primer over zinc or iron phosphate and electrostatic powder finish, with TS EN 442-1-compliant structure, heating power proven by a test report of an approved organization, wet surfaces made of cold-rolled sheet metal of Fe P01 quality and minimum 1.11 mm thickness as per TS EN 10130, which shall be tested under minimum 1.3 times its maximum operating pressure (min. 520 kPa) as per TS 442/1, and tested to TS EN 442/2 to determine its thermal power. (Type XY where X is the number of panels and Y is the number of convectors.)		
25.225.3001	(Type 10) 300	130,70	24,86
25.225.3002	(Type 10) 400	138,01	24,86
25.225.3003	(Type 10) 500	166,56	24,86
25.225.3004	(Type 10) 600	174,53	24,86
25.225.3005	(Type 10) 750	193,13	24,86
25.225.3006	(Type 10) 800	213,04	24,86
25.225.3007	(Type 10) 900	228,98	24,86
25.225.3008	(Type 11) 300	154,61	24,86
25.225.3009	(Type 11) 400	174,53	24,86
25.225.3010	(Type 11) 500	185,15	24,86
25.225.3011	(Type 11) 600	228,98	24,86
25.225.3012	(Type 11) 750	254,21	24,86
25.225.3013	(Type 11) 800	260,85	24,86
25.225.3014	(Type 11) 900	302,01	24,86
25.225.3015	(Type 21) 300	222,34	24,86
25.225.3016	(Type 21) 400	244,91	24,86
25.225.3017	(Type 21) 500	275,45	24,86
25.225.3018	(Type 21) 600	312,64	24,86
25.225.3019	(Type 21) 750	357,79	24,86
25.225.3020	(Type 21) 800	377,71	24,86
25.225.3021	(Type 21) 900	432,16	24,86
25.225.3022	(Type 22) 300	232,96	24,86
25.225.3023	(Type 22) 400	259,53	24,86
25.225.3024	(Type 22) 500	302,01	24,86
25.225.3025	(Type 22) 600	332,56	24,86
25.225.3026	(Type 22) 750	387,01	24,86
25.225.3027	(Type 22) 800	420,21	24,86
25.225.3028	(Type 22) 900	472,00	24,86
25.225.3029	(Type 33) 300	327,25	24,86
25.225.3030	(Type 33) 400	387,01	24,86
25.225.3031	(Type 33) 500	449,43	24,86
25.225.3032	(Type 33) 600	505,20	24,86
25.225.3033	(Type 33) 750	582,23	24,86
25.225.3034	(Type 33) 800	631,36	24,86
25.225.3035	(Type 33) 900	713,70	24,86

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.225.4000</b>	<b>Bathroom-type Aluminum Towel Heater radiators: (Unit: Qty.)</b> Plain-coated, oval bathroom towel heater radiators with structure tested under min. 1.3 times the maximum operating pressure as per TS 442-1. Note: If it is made of coated DKP sheet metal, unit prices including installation shall be reduced by 50% with the installation fees remaining unchanged. Distance between axles (mm) Height (mm)		
25.225.4001	400-500      500	144,40	21,44
25.225.4002	400-500      600	168,38	21,44
25.225.4003	400-500      700	192,36	21,44
25.225.4004	400-500      800	216,34	21,44
25.225.4005	400-500      900	241,45	21,44
25.225.4006	400-500      1000	265,43	21,44
25.225.4007	400-500      1100	288,26	21,44
25.225.4008	400-500      1250	316,81	21,44
25.225.4009	400-500      1500	356,78	21,44
25.225.4010	400-500      1750	397,88	21,44
25.225.4011	500-600      500	169,53	21,44
25.225.4012	500-600      600	201,49	21,44
25.225.4013	500-600      700	228,89	21,44
25.225.4014	500-600      800	259,73	21,44
25.225.4015	500-600      900	288,26	21,44
25.225.4016	500-600      1000	317,95	21,44
25.225.4017	500-600      1100	348,78	21,44
25.225.4018	500-600      1250	383,03	21,44
25.225.4019	500-600      1500	432,13	21,44
25.225.4020	500-600      1750	481,23	21,44
25.225.4021	600-700      500	183,23	21,44
25.225.4022	600-700      600	216,34	21,44
25.225.4023	600-700      700	248,30	21,44
25.225.4024	600-700      800	282,55	21,44
25.225.4025	600-700      900	313,39	21,44
25.225.4026	600-700      1000	339,64	21,44
25.225.4027	600-700      1100	377,33	21,44
25.225.4028	600-700      1250	416,14	21,44
25.225.4029	600-700      1500	468,66	21,44
25.225.4030	600-700      1750	522,33	21,44
<b>25.230.1000</b>	<b>RADIATOR VALVE: (Unit: Qty., Materials on construction site: 60%).</b> Supply to the work site and installation of radiator valves and connection bushes (with connection bushes for thermostat heads and adapters for those with a thermostat) in compliance with TS EN 215 or TS 579.		
<b>25.230.1100</b>	<b>Straight radiator valve: (TS 579).</b>		
25.230.1101	Ø15 mm (1/2")	27,13	8,58
25.230.1102	Ø20 mm (3/4")	37,43	8,58
<b>25.230.1200</b>	<b>Corner-type radiator valve: (TS 579).</b>		
25.230.1201	Ø15 mm (1/2")	25,43	8,58
25.230.1202	Ø20 mm (3/4")	36,59	8,58
<b>25.230.1300</b>	<b>Straight thermostatic radiator valves: (TS EN 215)</b>		

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.230.1301	Ø15 mm (1/2")	60,11	8,58
<b>25.230.1400</b>	<b>Corner-type thermostatic radiator valves: (TS EN 215)</b>		
25.230.1401	Ø15 mm (1/2")	54,39	8,58
<b>25.230.1500</b>	<b>Straight radiator return valve: (TS 579)</b>		
25.230.1501	Ø15 mm (1/2")	23,58	8,58
25.230.1502	Ø20 mm (3/4")	30,79	8,58
<b>25.230.1600</b>	<b>Corner-type radiator return valve: (TS 579)</b>		
25.230.1601	Ø15 mm (1/2")	25,45	8,58
25.230.1602	Ø20 mm (3/4")	35,21	8,58
<b>25.230.2000</b>	<b>RADIATOR BUSHING: (Unit: Qty., Materials on construction site: 60%).</b> Supply to the work site and installation of a radiator bushing with quality certificate, in compliance with TS-579, and of the type and quality approved by the administration.		
<b>25.230.2100</b>	<b>Straight radiator bushing: (TS 579).</b>		
25.230.2101	Ø15 mm (1/2")	18,23	8,58
25.230.2102	Ø20 mm (3/4")	23,10	8,58
25.230.2103	Ø25 mm (1")	31,14	8,58
<b>25.230.2200</b>	<b>Corner-type radiator bushing: (TS 579).</b>		
25.230.2201	Ø15 mm (1/2")	22,89	8,58
25.230.2202	Ø20 mm (3/4")	27,00	8,58
25.230.2203	Ø25 mm (1")	37,80	8,58
<b>25.230.3000</b>	<b>RADIATOR PURGE VALVE: (Unit: Qty., Materials on construction site: 60%).</b> Supply to the work site and installation of a purge valve with bakelite flywheel or made of hard PVC, complete with a flush-mounted switch, blind plug and floater, and of a type and quality to be approved by the administration and awarded a quality certificate.		
25.230.3001	Purge valve with a flush-mounted switch.	6,96	4,91
<b>25.230.4000</b>	<b>Radiator Connection Pipe: (Unit: Qty.)</b> Supply and installation of a chrome-plated brass radiator connection pipe with nipples and bushes for use between the heating installation coming out of the floor and the inlet valve of the radiator.		
25.230.4001	400-mm long	16,04	2,95
25.230.4002	500-mm long	16,43	2,95
25.230.4003	600-mm long	18,80	2,95
25.230.4004	900-mm long	20,45	2,95
<b>25.235.1000</b>	<b>Straight-tube Unitary Radiant Heater: (Unit: Qty, Materials on construction site: 80%).</b> Supply to the work site and delivery in working order of a vacuum- or blow-type radiant heater manufactured in compliance with the , TS EN 416-1 standard, the Regulation 2016/426/AB on Appliances Burning Gaseous Fuels, Regulation (EU) No.305/2011 Construction Products - CPR, and released with a CE marking of compliance, equipped with a gas burner, a flame tube made of stainless steel SS or titanium alloy aluminized steel resistant to extreme temperatures and connected to the burner; thermally-treated aluminized radiant pipes; aluminum reflectors, stainless steel SS couplings and turbulator, galvanized pipes and reflector brackets (with suspension materials), and a vacuum fan resistant to extreme temperatures (250°C) to aspirate the burning air and burning products from the burner and discharge them through the exhaust pipe.		

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.235.1001	Straight-tube unitary radiant heater with 15 kW nominal power, 300-cm flame tube, min. 300-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	6.999,13	534,45
25.235.1002	Straight-tube unitary radiant heater with 20 kW nominal power, 300-cm flame tube, min. 600-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	7.750,75	624,76
25.235.1003	Straight-tube unitary radiant heater with 25 kW nominal power, 300-cm flame tube, min. 600-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	8.242,35	707,64
25.235.1004	Straight-tube unitary radiant heater with 30 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	8.548,76	760,23
25.235.1005	Straight-tube unitary radiant heater with 35 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	9.390,33	801,66
25.235.1006	Straight-tube unitary radiant heater with 40 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	9.978,66	861,70
25.235.1007	Straight-tube unitary radiant heater with 45 kW nominal power, 300-cm flame tube, min. 1,200-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	10.563,24	944,58
25.235.1008	Straight-tube unitary radiant heater with 50 kW nominal power, 300-cm flame tube, min. 1,200-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	10.789,29	1.034,89
25.235.1009	Straight-tube unitary radiant heater with 55 kW nominal power, 300-cm flame tube, min. 1500-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	11.437,00	1.083,76
<b>25.235.2000</b>	<p><b>U-tube Unitary Radiant Heater: (Unit: Qty, Materials on construction site: 80%).</b></p> <p>Supply to the work site and delivery in working order of a vacuum- or blow-type radiant heater manufactured in compliance with the TS EN 416-1 standard, the Regulation 2016/426/AB on Appliances Burning Gaseous Fuels, the Regulation (EU) No.305/2011 Construction Products - CPR, and released with a CE compliance marking of compliance, equipped with a gas burner, a flame tube made of stainless steel SS or titanium alloy aluminized steel resistant to extreme temperatures and connected to the burner; thermally-treated aluminized radiant pipes; aluminum reflectors, stainless steel SS couplings and turbulator, galvanized pipes and reflector U-brackets (with suspension materials), and a vacuum fan resistant to extreme temperatures (250°C) to aspirate the burning air and burning products from the burner and discharge them through the exhaust pipe.</p>		
25.235.2001	U-tube unitary radiant heater with 15 kW nominal power, 300-cm flame tube, min. 300-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	7.659,85	534,45

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.235.2002	U-tube unitary radiant heater with 20 kW nominal power, 300-cm flame tube, min. 600-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	8.116,16	624,76
25.235.2003	U-tube unitary radiant heater with 25 kW nominal power, 300-cm flame tube, min. 600-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	8.988,90	707,64
25.235.2004	U-tube unitary radiant heater with 30 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	9.325,45	760,23
25.235.2005	U-tube unitary radiant heater with 35 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	9.690,54	801,66
25.235.2006	U-tube unitary radiant heater with 40 kW nominal power, 300-cm flame tube, min. 900-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	9.811,28	861,70
25.235.2007	U-tube unitary radiant heater with 45 kW nominal power, 300-cm flame tube, min. 1,200-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	11.022,61	944,58
25.235.2008	U-tube unitary radiant heater with 50 kW nominal power, 300-cm flame tube, min. 1,200-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	11.241,28	1.034,89
25.235.2009	U-tube unitary radiant heater with 55 kW nominal power, 300-cm flame tube, min. 1500-cm radiant tube, and a sufficient number of 0.70-mm-thick aluminum reflectors.	11.482,68	1.083,76
<b>25.240.1000</b>	<b>HEATED AIR DEVICES: (Unit: Qty., Materials on construction site: 80%), (quality certified by TSE)</b>		
<b>25.240.1001</b>	<b>Hall-type heating heated air devices:</b> Air blowing heater with copper-tube aluminum fins blown to firmly contact by a hydraulic system and equipped with single-speed serpentine motor, which shall be awarded a certificate of quality, and can be placed like furniture in a living room or similar areas: Supply and installation of a hall-type heated air device running on hot water or steam with statically or dynamically balanced radial fans that can be supported on both sides, which are connected to an electric motor with shafts on one or two sides; a filter and distribution grille made of metallic or artificial materials; screw-mounted openings that can be connected to valves; a control switch and a signal lamp; and the lidded internal wall shall be insulated against noise and vibration with a min. 1.5-cm-thick board covered with colored glass tissue or min. 1.5-cm-thick glass wool mattress covered with acrilan and enclosed in a sheet metal casing coated in oven-dried paint of the desired color; which shall have a noise level of max. 35 to 45 decibels: air absorption at 18 to 20°C and the heat power output at 90/70°C shall be taken as basis for the price. (Copper pipes shall be electrolytic approximately 10 to 15 mm in external diameter and with 0.50 to 0.80 mm wall thickness.		



### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.240.1100</b>	<p><b>Radial ventilator heated air devices (Wall-mounted).</b> Supply to the work site and installation of a wall-mountable heated air device running on hot water, superheated water and steam without any noise or vibration and certified for quality, directly coupled with a 1500-rpm electric motor with internal or mixed air absorption, equipped with a statically and dynamically balanced centrifuge ventilator, an dip galvanized heater, an adjustable air blowing vent driven by a min. 1.5-meter-long chain, a casing with a wire mesh iron opening coated with gun-sprayed synthetic paint. The thermal power during operation with air absorption at 15°C and with hot water at 90/70°C shall be taken as basis. If the heater is made of patent pipes or copper pipes with aluminum serpentine fins, unit prices shall be raised by 30% and the installation fees shall remain the same without any increase. Thermal Power Amount of kcal/h Maximum Air m<sup>3</sup>/h</p>		
25.240.1101	5000      1300	1.713,29	65,75
25.240.1102	6,000      1300	1.775,31	65,75
25.240.1103	8000      1500	1.914,21	65,75
25.240.1104	10000      1500	2.101,51	100,00
25.240.1105	12000      2500	2.249,28	100,00
25.240.1106	16000      3000	2.436,21	100,00
25.240.1107	20000      3000	2.651,55	117,13
25.240.1108	24,000      4000	2.975,49	117,13
25.240.1109	28,000      4000	3.014,41	117,13
25.240.1110	32000      5000	3.213,83	165,75
25.240.1111	40,000      5500	3.630,93	165,75
25.240.1112	50,000      6000	4.448,58	165,75
25.240.1113	60,000      8000	4.764,26	165,75
<b>25.240.1200</b>	<p><b>Axial ventilator heated air devices:</b> Ceiling- or wall-mounted heated air device with axial and 1500 rpm ventilator which shall be awarded a quality certificate with the other specifications similar to the item 167-500. The thermal power provided while operating with internal air suction and with 90-70°C at 18°C shall be taken as basis for the price. If the heater is made of patent pipes, the unit price including installation shall be raised by 30% or if copper pipes with aluminum fins are used, the unit price including installation shall be raised by 20% and the installation fees shall remain the same without any increase. The fittings required for installation shall be paid separately based on the relevant unit prices. (50% of the installation fee shall be charged extra for ceiling-mounted types.) Thermal Power Thermal Power Amount of KW kcal/h Maximum Air m<sup>3</sup>/h</p>		
25.240.1201	4.5    4,000    900	1.056,11	48,63
25.240.1202	6.9    6,000    900	1.220,34	48,63
25.240.1203	9.3    8,000    1100	1.282,64	48,63
25.240.1204	11.6    10000    1200	1.574,70	82,88
25.240.1205	13.9    12000    1600	1.659,65	82,88
25.240.1206	18.6    16000    2000	1.810,29	82,88
25.240.1207	23      20000    2000	2.108,70	117,13
25.240.1208	28      24000    3000	2.161,46	117,13
25.240.1209	32.5    28000    3000	2.452,19	117,13
25.240.1210	37      32000    3600	2.711,13	148,63

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.240.1211	45 40,000 4,400	3.259,85	148,63
25.240.1212	58 50,000 5,000	3.716,58	165,75
<b>25.245.1000</b>	<b>COLLECTOR:</b>		
<b>25.245.1100</b>	<b>Collector pipe: (Unit: m)</b> Plugging two ends of a welded pipe of the required length with convex sheet metal with the same wall thickness as the pipe, forming a collector with a uniform outlet fit for welding of flanged pipes sized to comply with the Turkish Standards by making elliptical holes smaller in diameter than the pipe outlets and inflating such holes outwards by heat, welding sleeves for such equipment as manometers, hydrometers, thermometers and drain valves, and installation on such locations as boilers, walls, etc. Payment shall be made for maximum 50 cm of collector pipe for each collector outlet. Extra length shall be charged per the relevant pipe.		
25.245.1101	Ø57/3.0 mm welded pipe	31,18	6,85
25.245.1102	Ø83/3.25 mm welded pipe	54,91	17,13
25.245.1103	Ø108/3.71 mm welded pipe	67,78	17,13
25.245.1104	Ø133/4.0 mm welded pipe	89,28	20,55
25.245.1105	Ø159/4.5 mm welded pipe	106,15	27,40
25.245.1106	Ø219/4.5 mm welded pipe	152,21	30,83
25.245.1107	Ø273/5.0 mm welded pipe	207,21	37,68
25.245.1108	Ø324/5.6 mm welded pipe	266,06	44,53
25.245.1109	Ø407/6.3 mm welded pipe	347,66	44,53
<b>25.245.1200</b>	<b>Collector pipe, made of patent steel pipe: (Unit: m,) Other specifications the same as the item 25.245.1100.</b>		
25.245.1201	Ø57/2.9 mm patent drawn steel pipe collector	34,20	6,85
25.245.1202	Ø82.5/3.2 mm patent drawn steel pipe collector	60,40	17,13
25.245.1203	Ø108/3.6 mm patent drawn steel pipe collector	78,91	17,13
25.245.1204	Ø133/4.0 mm patent drawn steel pipe collector	116,98	30,83
25.245.1205	Ø159/4.5 mm patent drawn steel pipe collector	136,54	30,83
25.245.1206	Ø219/5.9 mm patent drawn steel pipe collector	224,94	30,83
25.245.1207	Ø267/6.3 mm patent drawn steel pipe collector	300,04	34,25
25.245.1208	Ø324/7.1 mm patent drawn steel pipe collector	390,45	34,25
25.245.1209	Ø419/10 mm patent drawn steel pipe collector	668,80	34,25
<b>25.245.2000</b>	<b>Collector mouthpiece: (Unit: Qty., Materials on construction site: 40%).</b> Welding, and coating with two layers of red lead and two layers of oil paint, of flanged stubs prepared to fit the collector pipe described in the item 25.245.1100, the relevant project and Turkish Standards.		
25.245.2001	Stub diameter Ø15 mm	10,79	4,91
25.245.2002	Stub diameter Ø20 mm	15,58	4,91
25.245.2003	Stub diameter Ø25 mm	15,98	4,91
25.245.2004	Stub diameter Ø32 mm	24,76	4,91
25.245.2005	Stub diameter Ø40 mm	29,20	7,85
25.245.2006	Stub diameter Ø50 mm	32,14	7,85
25.245.2007	Stub diameter Ø65 mm	39,70	7,85
25.245.2008	Stub diameter Ø80 mm	46,00	9,81
25.245.2009	Stub diameter Ø100 mm	46,84	9,81
25.245.2010	Stub diameter Ø125 mm	59,38	11,78

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.245.2011	Stub diameter Ø150 mm	71,98	11,78
25.245.2012	Stub diameter Ø200 mm	89,75	11,78
25.245.2013	Stub diameter Ø250 mm	132,18	15,70
25.245.2014	Stub diameter Ø300 mm	140,58	15,70
<b>25.245.3100</b>	<b>1" Collector With Mini Ball Valve: (Unit: Qty.)</b> The supply to the work site and installation of the collector (1 piece) of brass material used in the heating systems for the distribution or collection of the fluid. Note: The collector shall be provided with the outlet connection Ø16x2 mm and with valves.		
25.245.3101	With 2 outlets	50,10	10,95
25.245.3102	With 3 outlets	67,46	11,30
25.245.3103	With 4 outlets	86,65	12,00
25.245.3104	With 5 outlets	104,55	13,70
25.245.3105	With 6 outlets	125,26	17,13
25.245.3106	With 7 outlets	144,35	20,55
25.245.3107	With 8 outlets	165,24	22,28
25.245.3108	With 9 outlets	181,11	23,30
25.245.3109	With 10 outlets	199,08	23,98
25.245.3110	With 11 outlets	222,40	25,70
25.245.3111	With 12 outlets	238,54	27,40
<b>25.250.2100</b>	<b>THERMOMETER: (Unit: Qty.)</b> Supply to the work site and installation in designated locations as per the relevant project of metallic thermometers in specified diameters and temperature increments.		
25.250.2101	Ø100 mm, graduated up to 120°C	56,18	8,58
25.250.2102	Ø100 mm, graduated up to 250°C	56,18	8,58
25.250.2103	Ø160 mm, graduated up to 120°C	70,45	8,58
25.250.2104	Ø160 mm, graduated up to 250°C	70,45	8,58
<b>25.250.2200</b>	<b>HYDROMETER: (Unit: Qty., Materials on construction site: 60%) (TS-617).</b> Supply to the work site and installation of hydrometers in diameters specified below, with easy-to-read dials with large increments, and a needle indicating water pressure, an adjustable red needle indicating water level, complete with a three-way tap.		
25.250.2201	Ø100 mm, up to 2.22 ATM (25 mWC)	47,10	8,58
25.250.2202	Ø100 mm, up to 4.44 ATM (50 mWC).	47,10	8,58
25.250.2203	Ø160 mm, up to 2.22 ATM (25 mWC).	58,66	8,58
25.250.2204	Ø160 mm, up to 4.44 ATM (50 mWC).	58,66	8,58
<b>25.250.2300</b>	<b>MANOMETER: (Unit: Qty., Materials on construction site: 60%).</b> Manometer: Supply to the work site and installation completely; manufactured in compliance with the TS EN 837-1/3 and TS EN 542 standards and the Regulation 2014/68/AB on Pressure Equipment; released with a CE compliance marking; in diameters given below; easy-to-read scale; complete with a three-way tap.		
25.250.2301	Ø100 mm , graduated up to 1 ATM	47,10	8,58
25.250.2302	Ø100 mm , graduated up to 3 ATM	47,10	8,58
25.250.2303	Ø100 mm , graduated up to 5 ATM	47,10	8,58
25.250.2304	Ø100 mm , graduated up to 10 ATM	47,10	8,58
25.250.2305	Ø100 mm , graduated up to 15 ATM	47,10	8,58
25.250.2306	Ø160 mm , graduated up to 3 ATM	58,66	8,58
25.250.2307	Ø160 mm , graduated up to 5 ATM	58,66	8,58

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.250.2308	Ø160 mm , graduated up to 10 ATM	58,66	8,58
25.250.2309	Ø160 mm , graduated up to 15 ATM	58,66	8,58
<b>25.250.3000</b>	<p><b>Heat Cost Allocators, Electronic (Unit: Qty. Materials on construction site: 80%)</b>  Supply to the work site, programming, installation and delivery in working order, including fittings, of sealed heat cost allocators of TS EN 834 standard, released with CE marking, equipped with two temperature sensors, one providing radiator surface reading, and the other, room temperature reading, and a housing that contains all components including the calculating and display modules, which shall run on mains and battery power, store consumption readings on its memory for min. 12 months, allow such reading to be viewed on its display, capable of operating at an ambient temperature of 0 -50°C, and can be installed on any type of radiator.</p>		
25.250.3100	<p><b>Heat Cost Allocator with Radio Module: (Unit: Qty. Materials on construction site: 80%)</b>  Fulfilling TS EN 834 Standards, released with a CE compliance marking, electric-operated, transferring data by a radio module, allowing reading from outside the building, with other specifications the same as the item 25.250.3000.</p>	164,15	9,81
25.250.4000	<p><b>Heat Meter (Calorimeter): (Unit: Qty. Materials on construction site: 80%)</b>  Programming, supply to the work site with fittings, and delivery in working order, of a sealed calorimeter of TS EN 1434-1/2/3/4/5 standard, with a compact or split structure, optical interface and M-bus, RF firmware, minimum class 3 measuring precision, a measuring range of 5 °C and 120 °C, replaceable batteries (including a 5-meter cable for a 6-meter split type calculation unit for installation) which shall be certified with AT TYPE Approval, made up of a flow rate measurement unit (flowmeter), electronic calculation unit and temperature sensors of DIN EN 60751 standard, in PN 16 pressure class, and used under A or C environmental conditions.</p>	198,41	9,81
<b>25.250.4100</b>	<b>Mechanical Heat Meter, for the Heating Line:</b>		
25.250.4101	Nominal flow rate: 0.6 m³/h, DN 15	627,23	68,50
25.250.4102	Nominal flow rate: 1.5 m³/h, DN 15-20	631,31	68,50
25.250.4103	Nominal flow rate: 2.5 m³/h, DN 20-25	658,25	68,50
25.250.4104	Nominal flow rate: 3.5 m³/h, DN 20-25	1.899,15	68,50
25.250.4105	Nominal flow rate: 6.0 m³/h, DN 25-32	1.982,80	102,75
25.250.4106	Nominal flow rate: 10.0 m³/h, DN 40	2.523,49	102,75
25.250.4107	Nominal flow rate: 15.0 m³/h, DN 50	3.415,06	102,75
25.250.4108	Nominal flow rate: 25.0 m³/h, DN 65	4.108,49	102,75
25.250.4109	Nominal flow rate: 40.0 m³/h, DN 80	4.778,76	137,00
25.250.4110	Nominal flow rate: 60.0 m³/h, DN 100	5.271,91	137,00
<b>25.250.4200</b>	<b>Mechanical Heat Meter, with Radio Frequency, for Heating Lines;</b>		
25.250.4201	Nominal flow rate: 0.6 m³/h, DN 15-20	584,00	68,50
25.250.4202	Nominal flow rate: 1.5 m³/h, DN 15-20	708,90	85,63
25.250.4203	Nominal flow rate: 2.5 m³/h, DN 20-25	715,14	85,63
25.250.4204	Nominal flow rate: 3.5 m³/h, DN 20-25	1.963,63	85,63
25.250.4205	Nominal flow rate: 6.0 m³/h, DN 25-32	1.982,75	102,75
25.250.4206	Nominal flow rate: 10.0 m³/h, DN 40	2.647,56	102,75

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.250.4300</b>	<b>Mechanical Heat Meter, for the Cooling Line:</b> Suitable for use on a cooling system - chiller line, protected against formation of condensed water, other specifications same as the item 25.250.4000, unit prices including installation 25% increased over the item 25.250.4100, installation fees remaining the same.		
<b>25.250.4400</b>	<b>Mechanical Heat Meter, with Radio Frequency, for Cooling Lines;</b> Suitable for use on a cooling system - chiller line, protected against formation of condensed water, other specifications same as the item 25.250.4000, unit prices including installation 25% increased over the item 25.250.4200, installation fees remaining the same.		
<b>25.250.4500</b>	<b>Ultrasonic Heat Meter, for the Heating Line:</b>		
25.250.4501	Nominal flow rate: 0.6 m <sup>3</sup> /h, DN 15	763,89	68,50
25.250.4502	Nominal flow rate: 1.5 m <sup>3</sup> /h, DN 15-20	796,48	85,63
25.250.4503	Nominal flow rate: 2.5 m <sup>3</sup> /h, DN 20-25	823,96	85,63
25.250.4504	Nominal flow rate: 3.5 m <sup>3</sup> /h, DN 20-25	1.882,98	85,63
25.250.4505	Nominal flow rate: 6.0 m <sup>3</sup> /h, DN 25-32	1.941,51	102,75
25.250.4506	Nominal flow rate: 10.0 m <sup>3</sup> /h, DN 40	2.529,96	102,75
25.250.4507	Nominal flow rate: 15.0 m <sup>3</sup> /h, DN 50	4.082,88	102,75
25.250.4508	Nominal flow rate: 25.0 m <sup>3</sup> /h, DN 65	5.282,20	137,00
25.250.4509	Nominal flow rate: 40.0 m <sup>3</sup> /h, DN 80	5.777,00	137,00
25.250.4510	Nominal flow rate: 60.0 m <sup>3</sup> /h, DN 100	6.512,00	137,00
<b>25.250.4600</b>	<b>Ultrasonic Heat Meter, for the Cooling Line:</b> Suitable for use on a cooling system - chiller line, protected against formation of condensed water, other specifications same as the item 25.250.4000, unit prices including installation 25% increased over the item 25.250.4500, installation fees remaining the same.		
25.250.4601	M-bus communication interface	163,28	34,25
25.250.4602	Impulse communication interface	163,28	34,25
25.250.4603	Radio communication interface	205,28	34,25
25.250.4604	RS232 communication interface	157,45	34,25
<b>25.255.1000</b>	<b>EXPANSION AND VENTILATION TANKS: (Except insulation) (Materials on construction site: 60%).</b>		
<b>25.255.1100</b>	<b>Open prismatic expansion tank:</b> Manufacturing an expansion tank with min. 40x40x4-mm angle iron and 3-mm iron sheet body, reinforcing the tank with min. 20-mm cross pipes installed inside, installing an overflow receptacle made of 2-mm iron sheet and bracket of 10x15-cm tarred timber, coating both surfaces of all iron parts with two layers of red lead, installing a hinged top cap with rubber seals that can be opened and closed, and secured with butterfly bolts, installing a vent, and connecting the overflow receptacle to the sewer system (except the price of the pipe and insulation with rock wool with 50 kg/m <sup>3</sup> density and min. 5-cm thickness as per its project design.) Installation to the piping with flanges or bushes (depending on the Type Project) (The values are subject to change depending on the tank size). (Iron structures shall be paid per the item Y.23.176, and other structures shall be paid per their respective items.)		

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.255.1200</b>	<p><b>Open cylindrical expansion tank, (TS 713):</b> Supply of an open cylindrical tank fulfilling the size and quality requirements of TS 713, coating of the iron supports with two layers of red lead (the iron support shall not be charged), insulation with rock wool mattress with 90 kg/m<sup>3</sup> density sewn on min. 5-cm-thick rabbit wire (chlorine content &lt; 10 ppm), supply to the workplace and installation. In case of sheet metal or aluminum plating, extra 80% of unit prices including installation shall apply. (Iron structures shall be paid per the item Y.23.176, and other structures shall be paid per their respective items.)</p>		
<b>25.255.1250</b>	<p><b>Enclosed expansion tank:</b> Supply to the work site, coating with two layers of red lead and two layers of oil paint of a cylindrical expansion tank made of steel as per the relevant approved project, equipped with a manhole and water level indicator, safety valve, manometer and pressurized gas connection nozzles. Iron components shall be charged per item Y.23.176, other components shall be charged per relevant items based on the weight to be calculated as per the project design.</p>		
<b>25.255.1300</b>	<p><b>Cylindrical ventilation tank (Unit: Qty.):</b> Production of a cylindrical ventilation tank made of 3-mm sheet metal with the ends slightly convex and the ratio of length (L) to diameter (d) (L+d) between 2 and 3, installation on consoles, connection to the system with flanges or bushes, coating with two layers of red lead and insulation (Based on the type image).</p>		
25.255.1301	5 liters	37,99	4,91
25.255.1302	10 liters	55,19	4,91
25.255.1303	20 liters	72,74	4,91
25.255.1304	40 liters	95,59	4,91
<b>25.255.2000</b>	<p><b>Steel, airtight expansion tank with replaceable diaphragm: (Unit: Qty., Materials on construction site: 60%).</b> Airtight tank housing made of steel material (Min. TS EN 10025-1/2/3/4/5 Fe 37-2) of the size and quality in compliance with TS EN 13831, and equipped with an expansion tank, gas filling valve, valve housing, water filling nozzle, membrane replacement flange, and a diaphragm (membrane) resistant to min. 100°C (diaphragm material: ethyl propylene, butyl, nitrile, natural and styrol-butadien rubber or their mixtures), which shall be cleaned in a cleaning bath with all surfaces applied phosphate and external surfaces coated by electrostatic method and oven-dried. Steel plate and diaphragm wall thickness shall be min. 2 mm Supply to the work site and installation of a tank with a gas chamber filled with inert gases (Nitrogen, Helium, etc.). Note: 1- Manufactured to comply with the Regulation 2014/68/AB on Pressure Equipment, and released with a CE compliance marking. 2- The tank's tightness shall be tested by pressurized water with 1.5 times the minimum operating pressure. Tanks with higher capacity than 50 Lt shall be equipped with pedestals that allow them to be installed on the floor. At 8 atmosphere Operating Pressure:</p>		
25.255.2001	25 L	141,44	41,44
25.255.2002	50 L	257,68	62,16
25.255.2003	80 L	398,48	82,88
25.255.2004	100 L	445,15	82,88
25.255.2005	150 L	594,98	103,60

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.255.2006	200 L	766,20	103,60
25.255.2007	250 L	839,39	124,31
25.255.2008	300 L	955,18	131,75
25.255.2009	500 L	1.377,38	184,35
25.255.2010	750 L	1.927,56	184,35
25.255.2011	1000 L	2.812,68	184,35
25.255.2012	1500 L	4.138,33	285,83
25.255.2013	2000 L	6.216,01	327,26
25.255.2014	2500 L	7.708,64	364,45
25.255.2015	3000 L	9.453,28	405,89
<b>25.255.3000</b>	<p><b>Steel, Airtight Expansion Tank with Replaceable Diaphragm: 10 atmosphere Operating Pressure.</b> Other specifications the same as the item 25.255.2000. The unit prices including installation in the item 25.255.2000 shall be raised by 10% with the installation fees remaining unchanged.</p>		
<b>25.255.4000</b>	<p><b>Steel, Airtight Expansion Tank with Replaceable Diaphragm: 12 atmosphere Operating Pressure.</b> Other specifications the same as the item 25.255.2000. The unit prices including installation in the item 25.255.2000 shall be raised by 20% with the installation fees remaining unchanged.</p>		
<b>25.260.1000</b>	<p><b>BALANCE TANK (Unit: Qty.)</b> Supply to the work site and installation of a balance tank built to ensure thermal balance and hydraulic balance in heating and cooling systems, with maximum water speed of 0.2 m/sec. within the housing depending on the water flow specified in the project design, with water inlets and outlets as specified in the project design, and equipped with air discharge, sensor and drain nozzles, and a perforated sheet metal cell facing the water input nozzle inside the housing, which shall be operable at 110 °C and maximum operating pressure of 10 bars.</p>		
<b>25.260.1100</b>	<p><b>Welded Balance Tank</b> Flow rate: m<sup>3</sup>/h Body Diameter Inlet-Outlet Diameter</p>		
25.260.1101	4 m <sup>3</sup> /h , Ø114 , Ø50	414,86	31,16
25.260.1102	6 m <sup>3</sup> /h , Ø165 , Ø65	445,59	32,89
25.260.1103	8 m <sup>3</sup> /h , Ø165 , Ø65	573,29	34,59
25.260.1104	10 m <sup>3</sup> /h , Ø219 , Ø80	602,71	38,01
25.260.1105	15 m <sup>3</sup> /h , Ø219 , Ø80	888,84	41,44
25.260.1106	20 m <sup>3</sup> /h , Ø273 , Ø100	1.065,26	44,86
25.260.1107	25 m <sup>3</sup> /h , Ø273 , Ø100	1.378,69	48,29
25.260.1108	30 m <sup>3</sup> /h , Ø323 , Ø125	1.574,71	51,71
25.260.1109	40 m <sup>3</sup> /h , Ø323 , Ø125	1.878,14	55,14
25.260.1110	50 m <sup>3</sup> /h , Ø323 , Ø150	2.199,86	56,86
25.260.1111	75 m <sup>3</sup> /h , Ø400 , Ø200	2.791,56	58,56
25.260.1112	100 m <sup>3</sup> /h , Ø450 , Ø200	3.734,99	61,99
<b>25.260.1200</b>	<p><b>Flanged Balance Tank</b></p>		
25.260.1201	4 m <sup>3</sup> /h , Ø114 , DN50	567,84	41,44
25.260.1202	6 m <sup>3</sup> /h , Ø165 , DN65	594,26	44,86
25.260.1203	8 m <sup>3</sup> /h , Ø165 , DN65	749,69	48,29
25.260.1204	10 m <sup>3</sup> /h , Ø219 , DN80	841,11	51,71
25.260.1205	15 m <sup>3</sup> /h , Ø219 , DN80	1.158,14	55,14
25.260.1206	20 m <sup>3</sup> /h , Ø273 , DN100	1.271,56	58,56
25.260.1207	25 m <sup>3</sup> /h , Ø273 , DN100	1.514,99	61,99

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.260.1208	30 m³/h, Ø323 , DN125	1.788,41	65,41
25.260.1209	40 m³/h, Ø323 , DN125	2.084,44	68,84
25.260.1210	50 m³/h, Ø323 , DN150	2.787,86	72,26
25.260.1211	75 m³/h, Ø400 , DN200	3.591,29	75,69
25.260.1212	100 m³/h, Ø450, DN200	4.704,71	79,11
<b>25.262.1000</b>	<b>PAINTING OF RADIATORS: (Unit: m²)</b> Painting of the convectors and radiators in two layers above the factory-applied primer, as approved by the administration with oil paint or aluminum paint of desired color and resistant to the temperature of the heater, using a spray gun or brush, after the convectors and radiators are cleaned.		
25.262.1010	<b>Painting of radiators with oil paint:</b> Painting of heaters with oil paint as described in the item 25.262.1000.	14,69	9,81
<b>25.264.1000</b>	<b>FILLING AND DRAIN TAPS (as per TS 481) (Unit: Qty., Materials on construction site: 60%).</b> Supply to the work site and installation in designated locations of taps with brass bushes with square opening and closing switches with steel hose connection bushings, and attachment of bushings to the hoses by screw clamps (certified for compliance with the Turkish Standards).		
25.264.1001	Ø20 mm (3/4")	39,58	8,58
25.264.1002	Ø25 mm (1")	43,04	8,58
25.264.1020	<b>Boiler blow-down valve;</b> Supply and installation of a PN 40-compliant blow-down valve with lever, spring, steel body, cast iron piston, using flanges (quality certified by TSE) Ø40 mm.	1.373,59	34,25
25.264.1040	<b>Boiler drainage and water intake taps;</b> Supply and installation of a PN 16-40-compliant two-way, cast steel piston tap. Screw or flange connection (quality certified by TSE) Ø15 mm.	249,56	17,13
<b>25.264.2000</b>	<b>WATER LEVEL INDICATOR: (Unit: Qty., Materials on construction site: 60%).</b> Supply to the work site and installation of a water level indicator with brass or steel body, three-way taps and a glass or Reflex glass tube of appropriate length to show the level of fluid in steam boilers, enclosed expansion tanks or water pressure tanks. (Min. 31-cm-long)		
<b>25.264.2100</b>	<b>For pressures up to 10 ATM: Steel enclosure, Reflex glass, and a valve group with top, bottom and discharge pistons (TS 517).</b>		
25.264.2101	Distance between flanges: 31 cm.	839,18	23,98
25.264.2102	Distance between flanges: 34 cm.	937,96	23,98
25.264.2103	Distance between flanges: 37 cm.	1.010,16	27,40
25.264.2104	Distance between flanges: 40 cm.	1.038,25	27,40
25.264.2105	Distance between flanges: 44 cm.	1.067,41	30,83
25.264.2106	Distance between flanges: 51 cm.	1.299,05	30,83
25.264.2107	Distance between flanges: 57 cm.	1.353,81	34,25
25.264.2108	Distance between flanges: 63 cm.	1.421,41	37,68
25.264.2109	Distance between flanges: 69 cm.	1.538,90	37,68
25.264.2110	Distance between flanges: 77 cm.	1.595,55	41,10
25.264.2111	Distance between flanges: 81 cm.	1.758,66	44,53
25.264.2112	Distance between flanges: 90 cm.	1.853,06	47,95
25.264.2113	Distance between flanges: 99 cm.	2.069,33	51,38



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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.264.2114</b>	<b>For pressures up to 32 atmosphere: Steel enclosure, Reflex glass, and a valve group with top, bottom and discharge pistons (TS 517): Unit prices in installed form in the item 25.264.2100 shall be increased by 20% and installation fees shall remain unchanged.</b>		
<b>25.264.3000</b>	<b>BOILER FEED DEVICES: (Unit: Qty., Materials on construction site: 60%).</b>		
<b>25.264.3100</b>	<b>Mechanical boiler feed device:</b> Supply to the work site and installation of a feed device for use in low-pressure steam boilers, with pig-cast enclosure, copper or stainless steel floater, hardened and stonewashed stainless steel needle and valve connected to the floater, and stainless steel valve housing.		
25.264.3101	Ø6 mm	154,63	17,13
25.264.3102	Ø10 mm	158,05	20,55
25.264.3103	Ø15 mm	191,93	23,98
25.264.3104	Ø20 mm	209,05	27,40
25.264.3105	Ø25 mm	235,31	30,83
25.264.3106	Ø30 mm	245,59	34,25
25.264.3107	Ø40 mm	259,29	37,68
25.264.3108	Ø50 mm	322,09	41,10
25.264.3109	Ø65 mm	400,86	44,53
<b>25.264.3200</b>	<b>Electric boiler feed device: (quality certified by TSE).</b> Supply to the work site and installation of an electric boiler feed device between the control switch and the breaker for use in steam boilers, with pig-cast enclosure, copper or stainless steel floater, circuit opening and closing water level indicator with mercury switch connected to the floater, strainers for connection to the steam and boiler feed water circuit, not including the antigron cable up to 10 meters. (For boilers of any size)		
25.264.3201	Electric boiler feed device.	547,93	23,98
25.264.3202	Each additional switch for the low water alarm mechanism. (Burner or low water level alarm mechanism for controllers).	69,59	23,98
<b>25.264.3300</b>	<b>Magnetic boiler feed device: (Fully automatic, electric, magnetic, three-function boiler feed device). (Quality certified by TSE).</b> Supply to the work site, making water, steam and power connections and adjustments, and delivery in working order of a magnetic boiler feed device with a floater housing to control the level of fluid in such devices as the boiler, balance tank and degasifier under pressure and temperature, a stainless steel floater (flange-connected to the steam and water sections), the part housing the electrical contacts fully protected against the corrosive impact of steam and water, which allows installation of the minimum water level alarm and burner stopper contacts. (For boilers of any size).		
25.264.3301	Three Functions (up to 16 atmosphere)	699,78	44,53
25.264.3302	Three Functions (above 16 atmosphere)	714,61	44,53
25.264.3303	Extra charge for each additional contact.	35,28	10,28

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.264.3400</b>	<p><b>Three-function, fully-automatic, electric boiler feed device: (for use in steam boilers) (quality certified by TSE).</b> Supply, installation in the designated location, and delivery in working order, of an electric, fully automatic boiler supply (feeding) device with thermally-treated special pig-cast housing and connection parts with high carbon, stainless steel blower, floater and three parts that directly contact vapor, equipped with a mercury switch for starting and stopping the feeding water pump (low and high levels of operation) burner control (on and off), an alarm control system and a level stroke with precision settings, including power connection cables made of silicon-rubber insulated braided copper wires resistant to high temperature, a fiber connection terminal block and a porcelain cable fixing group.</p>		
25.264.3401	Three functions, up to PN 16 atmosphere	759,15	44,53
<b>25.264.4000</b>	<p><b>CONDENSATE WATER TANK: (Unit: kg, Materials on construction site: 60%).</b> Production of a prismatic condensate tank with min. 40x40x4-mm angle iron and 4-mm iron housing based on the approved project, reinforcement of the tank internally with 25-mm pipes installed diagonally, building a 10-cm-high pedestal with 250 kg/m<sup>3</sup> concrete, interior and exterior coating with two layers of red lead, and supply of the condensate tank with a hinged top cap with rubber seals and a vent that can be opened and closed, and secured with butterfly bolts, and installation in the designated location with flanges or bushes (The aforementioned values are subject to change based on the tank size) (Iron components shall be charged per item Y.23.176, other components shall be charged per relevant items based on the weight to be calculated as per the project design.)</p>		
<b>25.264.5000</b>	<p><b>BOILER SAFETY SIPHON: (TS 2838).</b> Supply to the work site and installation of a safety siphon for use in low-pressure steam boilers and manufactured as prescribed in the approved project depending on the boiler pressure and capacity, with 1, 2 or 3 pillars for flanged connection to the boiler, a pipe for filling the overflow tank, filling funnel with 15-mm gate valve, and air bleed valve and bottom valve for turning the water on and off. (The material cost shall be taken 100% to be paid per the pipe unit price depending on the size and by kg for the sheet metal components (installation of pipes).</p>		
<b>25.264.6000</b>	<p><b>BOILER SAFETY ALARM SYSTEM: (Unit: Qty., Materials on construction site: 60%).</b> Supply to the work site and installation of an adjustable boiler safety alarm system that notifies when water level has dropped below the set lower threshold and steam pressure has risen above the set upper threshold.</p>		
25.264.6001	<p><b>Low water level alarm system:</b> Delivery in working order complete with the alarm horn, outlet branch and circuit.</p>	145,00	
25.264.6002	<p><b>Maximum pressure alarm system:</b> Delivery in working order complete with the pressure static burner, alarm horn, outlet branch and circuit.</p>	186,68	

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.280.1000</b>	<p><b>BURNER, FULLY AUTOMATIC, WITHOUT HEATER (Unit: Qty.: Materials on construction site: 60%)</b>                      Manufactured in accordance with TS EN 267:2009+A1 standard, Directive (2006/42/EC) Machinery and Directive (2014/68/AB) Pressure Equipment, released to the market with CE compliance marking, working with Fuel Oil of 342-55 SSU viscosity at 100°F temperature, photocell control timing and pre-sweeping technique in compliance with the data given in the Technical Specification, comprising high voltage ignition transformer for the starting ignition, ignition electrodes and cables, flexible or copper fuel pipes on the burner, air turbulator, magnetic or pressure controlled fuel shut-off valve controlled by photocell relay, air damper, a system to fix the burner to the boiler hatch or to the metal base, complete burner electrical control panel in a steel enclosure comprising the fuses, thermal or magnetic circuit breakers for three-phase motors, starter switch, green and red recessed operation and fault signal lights, cabling and protected against moisture, including the burner nozzle and fuel hoses, electrical cables between the burner and the burner electrical panel laid inside a gas pipe according to the approved design, single phase and three phase, motor starter circuit and contactor via relay to regulate the control in line with the technical specifications according to the appropriate settings for the photocell control timing and pre-purge duration, together with the time delay circuits, rectifiers and other accessories, photocell, photocell relay and photocell light, including all kinds of materials and labor, delivered in complete working order.</p> <p>Note 1 . The ranges specified for the item numbers are essential for the costing and, in the burner selection and supply, the values in the approved design shall be taken into account.</p>		
<b>25.280.1100</b>	<p><b>Single stage burners without heater, used in normal draft boilers:</b>                      Supply and installation of the burner in the work site, of which full utilization capacity is provided by a nozzle or a spray element.</p>		
25.280.1101	Up to 50 kW	2.759,15	207,19
25.280.1102	Up to 80 kW	2.793,29	207,19
25.280.1103	Up to 120 kW	3.022,39	207,19
<b>25.280.1200</b>	<p><b>Double stage burners without heaters, used in normal draft boilers:</b>                      The servo motor controlling the cut-in of the second stage and the damper for the combustion air of the second stage for two separate spray nozzles or for two separate positions of single nozzle and for the fuel required at the utilization capacity of the burner, dual or single magnetic valves controlling two stages, other features the same as item 25.280.1000.</p>		
25.280.1201	Up to 200 kW	5.882,29	267,23
25.280.1202	Up to 450 kW	8.147,30	284,35
25.280.1203	Up to 700 kW	9.445,29	315,85
25.280.1204	Up to 1000 kW	11.062,45	351,58
25.280.1205	Up to 1300 kW	11.469,81	368,70

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.280.2000</b>	<p><b>BURNER, FULLY AUTOMATIC, WITH HEATER: (Unit: Qty.: Materials on construction site: 60%)</b>                      Manufactured in accordance with TS EN 267:2009+A1 standard, Directive (2006/42/EC) Machinery and Directive (2014/68/AB) Pressure Equipment, introduced to the market with CE compliance marking, (with heater, pump or air compressor), fully automatic, working with Fuel Oil of 100-225 SSU viscosity at 50°C (122°F) temperature for up to 20 kg/h capacity, 40 SFS viscosity at 50°C (122°F) temperature for 20-60 kg/h capacity, 300 SFS viscosity at 50°C (122°F) temperature for above 50 kg/h capacity, securely fixed to the boiler hatch or to the special metal base, dedicated body made of steel plate, aluminum or cast iron, electric motor with appropriate quality and performance on the body, air fan connected to the motor shaft and fuel pump or vane type compressor, air adjustment damper, air turbulator, high voltage transformer for the starting ignition, ignition electrodes and electrode cables, to ensure initial ignition, photocell or photo-resistance, appropriate settings for the photocell control timing and pre-purge duration specified in the Technical Specification. Types with pump: Air adjuster, burner nozzle suitable for the required consumption, magnetic or pressure type fuel shut-off valves (Solenoid), which receive the control from photocell relay according to the type of burner, electric pre-heater to control the atomization temperature to ensure that the atomization comes to a very good state by reducing the viscosity of the fuel and to deliver the fuel at the maximum capacity at least at 50°C temperature and a thermostat to cut-out and to cut-in the pre-heater in order to control the atomization temperature, a fitting to prevent the fuel leakage out of the spray nozzles when the burner is not running or the heater is on, flexible hoses to connect Fuel Oil to interconnecting piping between the heater pump and the nozzle. Types with compressors: Filtered fresh air valve, air and water intake taps, edge filter, electric heater with thermostat control and storage for heater; fuel adjustment hand valve; solenoid valve on filter circuit with hand valve, flexible hose for fuel connection. For both types: Electrical panel protected against humidity, recessed yellow, green and red signal lights on the panel for normal operation and malfunctions, recessed lights for the heater, fuses, suitable thermal and magnetic circuit breakers at amperage suitable for three-phase motors, cable connections for the panel, cabling between the burner and the electrical panel in the gas pipe in accordance with the approved design; some components on the panel may be mounted onto the burner. Single-phase or three-phase, to regulate the control in line with the technical specifications according to the appropriate settings for the photocell control timing and pre-purge duration, together with the time delay circuits, rectifiers and other accessories, photocell, photocell relay and photocell light, including all kinds of materials and labor, delivered in complete working order (price for 5 kg/h will be paid for 1 kg/h-5 kg/h). Prices for the other capacities shall be determined by interpolation (the price for the photocell and its relay shall be included in the price).</p>		
<b>25.280.2100</b>	<p><b>Single-stage burner with heater for normal-draft boilers:</b>                      Supply and installation of the burner on working site of which total fuel utilization capacity is provided from a nozzle or a sprayer on the burner.</p>		
25.280.2101	Up to 50 kW-100 kW	5.913,76	207,19

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.280.2102	Up to 140 kW	6.336,54	207,19
<b>25.280.2200</b>	<p><b>Double stage burners with heaters, used in normal draft boilers:</b> The servo motor controlling the cut-in of the second stage and the damper for the combustion air of the second stage for two separate spray nozzles or for two separate positions of single nozzle and for the fuel quantity required at the utilization capacity of the burner, dual or single magnetic valves controlling two stages, other features the same as item 25.280.2000.</p>		
25.280.2201	Between 150-250 kW	8.194,79	267,23
25.280.2202	Up to 450 kW	8.298,96	284,35
25.280.2203	Up to 700 kW	10.037,29	315,85
25.280.2204	Up to 1000 kW	10.819,21	351,58
25.280.2205	Up to 1300 kW	16.479,40	368,70
<b>25.280.3000</b>	<p><b>GAS BURNER (NATURAL GAS-LPG), FULLY AUTOMATIC: (Unit: Qty.: Materials on construction site: 60%)</b> Manufactured in accordance with the TS EN 676 + A2 standard, Directive (2009/142/EC) Appliances Burning Gaseous Fuels, Directive (2006/42/EC) Machinery, Directive (2014/68/AB) Pressure Equipment, and released to the market with CE compliance marking, providing the necessary conditions that ensure the combustion by stirring the gas and air under pressure by way of safety elements, combustion head, turbulator, slow opening and fast closing solenoid valve, pressurestat for the min. gas pressure, with air pressurestat, processing unit, ignition electrodes and ionization electrode with the ignition transformer, air fan and motor with the cabling assembly at appropriate capacity, running and fault signal lights, sealing set, pressure regulator, II. Safety solenoid valve, min. air pressure switch and min. Supply and installation of a fully equipped gas burner on the work site to the gas pressurestat, with a flange for connection to the boiler hatch or to the metal base. Note: 1- For capacities above 1200 kW Max. It shall have the gas pressurestat and the leakage control set. 2- In the selection and supply of the burner, the values chosen will be taken into consideration based on the capacity values in the approved design and the counter pressure of the boiler.</p>		
<b>25.280.3100</b>	<p><b>Single Stage Burners</b> Supply and installation of the gas burner at the work site with a single-stage solenoid valve to ensure the burner to operate at full capacity. Capacity,</p>		
25.280.3101	Up to 50 kW	4.650,28	207,19
25.280.3102	Up to 80 kW	4.929,86	207,19
25.280.3103	Up to 140 kW	5.633,33	207,19
<b>25.280.3200</b>	<p><b>Two Stage Burners</b> Supply to the work site and installation in its designated location of the gas burner together with the 2-stage main solenoid valve, which adjusts the gas flow rate providing 100% or 60% of the burner full capacity. Capacity</p>		
25.280.3201	50-90 kW	7.880,20	207,19
25.280.3202	Up to 200 kW	8.504,44	267,23

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.280.3203	Up to 350 kW	9.907,99	274,08
25.280.3204	Up to 550 kW	13.688,69	284,35
25.280.3205	Up to 700 kW	14.516,46	315,85
25.280.3206	Up to 1000 kW	18.830,63	351,58
25.280.3207	Up to 1300 kW	19.188,11	368,70
<b>25.280.3300</b>	<b>Proportional burners (with constant flame modulation)</b> Supply to the work site and installation in its designated location of the gas burner with various operating ranges, temperature or pressure sensors, scale and electronic modulation panel, complete with the main solenoid valve, which provides stepless proportional gas flow between 40% and 100% of the full capacity to respond to changes in the boiler temperature or pressure at narrower (modular) intervals. Capacity		
25.280.3301	Up to 200-300 kW	13.898,81	267,23
25.280.3302	Up to 450 kW	14.362,88	284,35
25.280.3303	Up to 700 kW	17.229,94	315,85
25.280.3304	Up to 1000 kW	23.846,59	351,58
25.280.3305	Up to 1250 kW	25.953,74	368,70
25.280.3306	Up to 1500 kW	27.472,75	410,14
25.280.3307	Up to 2000 kW	32.068,38	470,16
25.280.3308	Up to 2750 kW	39.920,56	523,01
25.280.3309	Up to 3500 kW	40.373,43	571,64
<b>25.282.1000</b>	<b>FUEL OIL PUMPS (Unit: Qty.:</b> The supply and installation of the fuel pump on the work site complete with the power cable and the components on the control panel with the below given flow rate and pressure for pumping a 220 CFT viscosity heavy oil (corresponds to 600 Redwood 1 second at 30°C or 3500 Redwood 1 second at 69°C) when driven with a 1500 RPM engine.		
<b>25.282.1100</b>	<b>3 Atmospheric pressure:</b>		
25.282.1101	500 L/h	1.413,10	117,13
25.282.1102	1000 L/h	1.533,11	120,55
25.282.1103	2000 L/h	1.787,43	134,59
25.282.1104	3000 L/h	2.236,88	141,44
25.282.1105	4000 L/h	2.479,13	148,46
25.282.1106	6000 L/h	2.607,74	151,89
25.282.1107	10000 L/h	2.984,54	165,75
<b>25.282.1200</b>	<b>6 Atmospheric pressure:</b> The unit prices including installation in the item 25.282.1100 shall be raised by 20% with the installation fees remaining unchanged.		
<b>25.282.1300</b>	<b>9 Atmospheric pressure:</b> The unit prices including installation in the item 25.282.1100 shall be raised by 30% with the installation fees remaining unchanged.		
<b>25.282.1400</b>	<b>15 Atmospheric pressure:</b> The unit prices including installation in the item 25.282.1100 shall be raised by 50% with the installation fees remaining unchanged.		
<b>25.282.2000</b>	<b>FUEL OIL FILTERS: (Unit: Qty: Materials on construction site: 60%).</b>		

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.282.2100</b>	<b>Single Filter:</b> After the approval of the prospectus, the supply and the installation of the cast steel or cast aluminum fuel filter including the air purge plug (to be mounted later on), min. 600 mesh brass filter element, connectors or flanges.		
25.282.2101	Ø15 mm (1/2")	87,76	20,00
25.282.2102	Ø20 mm (3/4")	97,10	20,00
25.282.2103	Ø25 mm (1")	117,04	20,00
25.282.2104	Ø32 mm (1 1/4")	128,59	20,00
25.282.2105	Ø40 mm (1 1/2")	175,93	20,00
25.282.2106	Ø50 mm (2")	182,24	20,00
<b>25.282.2500</b>	<b>Electric heater and its thermostat: (TS 5101)</b> The supply and the installation on work site of immersion type, single-phase or three-phase, threaded or flanged, including the price of the immersion thermostat adjustable up to 120°C; waterproof electric power table, fuses on the panel, switch and contactor at the required amperage, NYY type or insulated cables in conduit at the required size between the electrical panel and heater and the heater thermostat, excluding other accessories (more than 4 Watt power shall not be applied per cm <sup>2</sup> of the outer surface.		
25.282.2501	500 Watt	67,48	20,00
25.282.2502	1000 Watt	76,68	20,00
25.282.2503	1500 Watt	78,51	20,00
25.282.2504	2000 Watt	79,71	20,00
25.282.2505	3000 Watt	91,80	20,00
25.282.2506	4000 Watt	102,46	20,00
<b>25.285.1000</b>	<b>CYLINDRICAL FUEL OIL TANKS: (Unit: Qty: Materials on construction site: 60%)</b>		
<b>25.285.1100</b>	<b>Main fuel tank with heater: (TS 712)</b> The supply and installation on work site of the fuel tank, manufactured in accordance with TS 712, cylindrical, dished ends, welded, in accordance with the approved design, comprising sheathed serpentine heater made of PN-6 grade welded steel pipe placed into the tank to heat up the fuel with hot water or steam, flanges for filling, vent, drain pipes, drain valve, level indicator, with two coats of red lead paint on the outer surface (if a basis is made, it's price will be paid separately and the inner surface of the tank will be painted).		
25.285.1101	1000 L	3.479,53	514,53
25.285.1102	3000 L	5.381,81	548,78
25.285.1103	5000 L	7.547,34	670,50
25.285.1104	7000 L	9.460,01	702,00
25.285.1105	10000 L	12.070,76	813,98
25.285.1106	13000 L	14.660,30	896,85
25.285.1107	16000 L	15.711,06	1.043,06
25.285.1108	20000 L	17.867,56	1.111,56
25.285.1109	25000 L	25.429,86	1.180,06

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.285.1110	30000 L	30.035,91	1.404,00
25.285.1111	40000 L	34.352,79	1.472,50
25.285.1112	50000 L	40.922,21	1.604,35
25.285.1113	60000 L	45.327,64	1.833,44
25.285.1114	80000 L	62.451,83	2.174,50
25.285.1115	100000 L	75.878,48	2.544,31
<b>25.285.1200</b>	<b>Daily fuel tank with heater:</b> With level indicator in accordance with TS 712, other features the same as item 25.285.1100.		
25.285.1201	100 L	633,29	200,00
25.285.1202	200 L	897,34	231,50
25.285.1203	300 L	1.222,00	265,75
25.285.1204	400 L	1.445,71	282,88
25.285.1205	500 L	1.567,04	344,39
25.285.1206	600 L	1.893,86	361,51
25.285.1207	800 L	3.012,64	423,01
25.285.1208	1000 L	4.346,68	514,53
<b>25.285.2000</b>	<b>Main fuel tank without heater:</b> Manufactured without heater, other features same as item 25.285.1100, unit prices including installation in item 25.285.1100 are reduced by 10% and the installation fees are applied exactly as the same without any reduction.		
<b>25.285.3000</b>	<b>Daily fuel tank without heater:</b> Manufactured without heater, other features same as item 25.285.1200, unit prices including installation in item 25.285.1200 are reduced by 10% and the installation fees are applied exactly as the same without any reduction.		
<b>25.285.4000</b>	<b>Pre-heater tank:</b> The supply and the installation on work site of a cylindrical tank made of 2 mm thick DKP steel with barrel type upper and lower bases, outer surface painted burner painted to match the color of the burner, with air breather to remove the air, the electrical heater and thermostat of this heater, near to the connectors at the bottom of the tank for connecting the inlet and outlet pipes to the tank, the provision of the pre-heater tank having a Ø15 mm pipe inside to be taken from the upper part of the fuel tank and having a valve for drain (the price of the thermostat and the electric heater will be paid separately) heater will be paid separately).		
25.285.4001	30 L	173,98	41,44
25.285.4002	40 L	204,89	49,73
25.285.4003	50 L	236,49	66,30
25.285.4004	100 L	482,14	82,88
<b>25.288.1000</b>	<b>SMOKE DUCT (Unit: kg., Materials on construction site: 60%)</b> Production, and connection to the boiler and the flue of a smoke duct made of black sheet metal or masonry with 20% larger in section than that of the flue.		
<b>25.288.1100</b>	<b>Sheet metal smoke duct:</b> Production, coating with flame-retardant paint and installation of sheet metal ducts for the purpose specified in the item 25.288.1000 and per the relevant project, with min. 2-mm-thick round or rectangular section, equipped with cleaning caps for cleaning and maintenance. (Iron structures shall be paid per the item 15.550.1202, and other structures shall be paid per their respective items.)		



### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.288.5000</b>	<p><b>STAINLESS STEEL CHIMNEY: (Unit: Qty. Materials on construction site: 80%)</b>                      For metal chimneys: Supply to the work site, installation by the MYK Level 3-certified employees of the Manufacturer or Distributor's Authorized Technical Service, inspection and award of the approval of compliance by the MYK Level 4-certified employees, of a flue manufactured as per the standards TS EN 1856-1, TS EN 1856-2, with a flue pipe, tee pieces, brackets, condensate collector, carrier base, adapter, flue cleaning cap, a second horizontal cap for cleaning where necessary, bellmouth or clamp fitting, a console, leaning and supporting parts to support horizontal and vertical parts, an earthed flue system, material description markings, and matching description tags in the CE certificate of the manufacturer and the markings on the flue, with the flue plate made of standard-compliant materials of the flue placed on a visible spot at the boiler room and the flue section and draught calculated and reported as per TS EN 13384-2+A1 or TS EN 13384-2+A1. (Unit prices for other values shall be interpolated.) Note: Flue carrier racks, carrier consoles, wire ropes, ladders, steel structures, lighting arresters and holders shall be calculated per the item Y.23.176. Manufactured to comply with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking, the chimneys shall be delivered in working order as installed with connections with all components specified in the approved project completed.</p>		
<b>25.288.5100</b>	<b>Single-wall, Stainless Steel Chimney:</b>		
25.288.5101	Ø140	207,88	41,44
25.288.5102	Ø150	221,01	44,86
25.288.5103	Ø160	238,20	44,86
25.288.5104	Ø180	258,09	48,29
25.288.5105	Ø200	285,79	51,71
25.288.5106	Ø225	312,04	55,14
25.288.5107	Ø250	338,30	58,56
25.288.5108	Ø280	385,16	58,56
25.288.5109	Ø300	417,85	61,99
25.288.5110	Ø350	503,73	61,99
25.288.5111	Ø400	579,10	65,41
25.288.5112	Ø450	673,29	65,41
25.288.5113	Ø500	798,79	68,84
25.288.5114	Ø600	908,59	68,84
25.288.5115	Ø700	992,98	72,26
25.288.5116	Ø800	1.106,81	75,69
<b>25.288.5200</b>	<p><b>Insulated, Stainless Steel Chimney (External Plating Embossed Aluminum Sheet)</b>                      Single-wall flue with 5-cm-thick rock wool insulation plated with embossed aluminum sheet, with the other specifications the same as the item 25.288.5000. If the insulation material is 3-cm-thick rock wool, unit prices in installed form under the item 25.288.5200 shall be reduced by 10% and the installation fees shall remain unchanged.</p>		
25.288.5201	Ø140	263,31	61,44
25.288.5202	Ø150	297,99	64,86

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.288.5203	Ø160	322,74	64,86
25.288.5204	Ø180	344,16	68,29
25.288.5205	Ø200	385,01	71,71
25.288.5206	Ø225	419,09	75,14
25.288.5207	Ø250	460,83	78,56
25.288.5208	Ø280	491,49	78,56
25.288.5209	Ø300	566,30	81,99
25.288.5210	Ø350	674,86	81,99
25.288.5211	Ø400	768,00	85,41
25.288.5212	Ø450	845,63	85,41
25.288.5213	Ø500	1.009,19	88,84
25.288.5214	Ø600	1.062,39	88,84
25.288.5215	Ø700	1.259,69	92,26
25.288.5216	Ø800	1.590,00	95,69
<b>25.288.5300</b>	<b>Insulated Stainless Steel Chimney (with Stainless Steel Plating)</b> Stainless steel plating instead of aluminum sheet plating. Other specifications shall be the same as the item 25.288.5200, Diameter		
25.288.5301	Ø140	306,39	82,88
25.288.5302	Ø150	340,46	86,30
25.288.5303	Ø160	371,11	86,30
25.288.5304	Ø180	389,86	89,73
25.288.5305	Ø200	431,61	93,15
25.288.5306	Ø225	465,69	96,58
25.288.5307	Ø250	491,46	100,00
25.288.5308	Ø280	537,44	100,00
25.288.5309	Ø300	610,48	103,43
25.288.5310	Ø350	732,45	103,43
25.288.5311	Ø400	836,13	106,85
25.288.5312	Ø450	880,84	106,85
25.288.5313	Ø500	1.045,19	110,28
25.288.5314	Ø600	1.183,13	110,28
25.288.5315	Ø700	1.436,88	113,70
25.288.5316	Ø800	1.814,53	117,13
<b>25.288.5400</b>	<b>STAINLESS STEEL WASTE GAS SYSTEM (LAS) (Unit: m)</b> Unit prices in installed form and installation fees in the item 25.288.5100 shall apply.		

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.288.5500</b>	<p><b>INSULATED CERAMIC CHIMNEY (Unit: m, Materials on site: 80%)</b></p> <p>For ceramic flues: Supply to the work site, installation by the Vocational Qualifications Authority (VQA) Level 3-certified employees of the Manufacturer or Distributor's Authorized Technical Service, inspection and award of the approval of compliance by the VQA Level 4-certified employees, of a flue manufactured as per the standards TS EN 1457-1, TS EN 13063-1, TS EN 13063-2, with a ceramic flue pipe, flue inlet pipe, a ceramic pipe with a cleaning cover, a ceramic front cover, metal cleaning cover, condensate collector, concrete base, vent grille, heat- and acid-resistant ceramic pipe glue, wedged plate rock wool made to match the section, the exterior flue block and flue cap made of lightweight concrete reinforced with steel for installation of the exterior pipe parts, material description markings on ceramic pipes, and matching description tags in the CE certificate of the manufacturer and the markings on the flue, with the flue plate made of standard-compliant materials of the flue placed on a visible spot at the boiler room and the flue section and draught calculated and reported as per TS EN 13384-1 or TS EN 13384-2.</p> <p>Note: Fixing mounts between floors, ladders and other steel structure works shall be calculated per the item Y.23.176.</p> <p>Manufactured to comply with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking, the flues shall be delivered in working order as installed with connections with all components specified in the approved project completed.</p>		
25.288.5501	Ø140	345,45	82,88
25.288.5502	Ø160	388,73	93,15
25.288.5503	Ø180	429,16	107,19
25.288.5504	Ø200	451,79	124,31
25.288.5505	Ø225	489,30	148,63
25.288.5506	Ø250	636,30	158,90
25.288.5507	Ø300	819,78	182,88
25.288.5508	Ø350	919,23	207,53
25.288.5509	Ø400	1.376,53	214,38

### Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.288.5510</b>	<p><b>UNINSULATED CERAMIC CHIMNEY (Unit: m, Materials on site: 80%)</b></p> <p>For ceramic flues: Supply to the work site, installation by the Vocational Qualifications Authority (VQA) Level 3-certified employees of the Manufacturer or Distributor's Authorized Technical Service, inspection and award of the approval of compliance by the VQA Level 4-certified employees, of a flue manufactured as per the standards TS EN 1457-1, TS EN 13063-1, with a ceramic flue pipe, flue inlet pipe, a ceramic pipe with a cleaning cover, a ceramic front cover, metal cleaning cover, condensate collector, concrete base, vent grille, heat- and acid-resistant ceramic pipe glue, heat-resistant ceramic thread or rock wool thread, the exterior flue block and flue cap made of lightweight concrete reinforced with steel for installation of the exterior pipe parts, material description markings on ceramic pipes, and matching description tags in the CE certificate of the manufacturer and the markings on the flue, with the flue plate made of standard-compliant materials of the flue placed on a visible spot at the boiler room and the flue section and draught calculated and reported as per TS EN 13384-1+A2 or TS EN 13384-2+A1.</p> <p>Note: Fixing mounts between floors, ladders and other steel structure works shall be calculated per the item 15.550.1202. Manufactured to comply with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking, the flues shall be delivered in working order as installed with connections with all components specified in the approved project completed.</p>		
25.288.5511	Ø140	288,25	82,88
25.288.5512	Ø160	319,43	93,15
25.288.5513	Ø180	348,86	107,19
25.288.5514	Ø200	374,79	124,31
25.288.5515	Ø225	400,68	131,50
25.288.5516	Ø250	539,50	158,90
25.288.5517	Ø300	687,78	182,88
25.288.5518	Ø350	832,53	207,53
25.288.5519	Ø400	1.177,98	214,38
<b>25.288.5600</b>	<p><b>CERAMIC WASTE SYSTEM (LAS) (Unit: m, Materials on site: 80%)</b></p> <p>For ceramic flues: Supply to the work site, and installation of a flue manufactured as per the standards TS EN 1457-1, TS EN 13063-1 and TS EN 13063-2+A1, which can be used as the common flue of hermetic (type C) devices with a ceramic flue pipe, combi boiler connection adapter set, a ceramic pipe with a cleaning cover, a ceramic front cover, metal cleaning cover, condensate collector, concrete base, heat- and acid-resistant ceramic pipe glue, stainless steel distance ring, the exterior flue block and flue cap made of lightweight concrete reinforced with steel for installation of the exterior pipe parts, material description markings on ceramic pipes, and matching description tags on the product bearing a CE marking of the manufacturer and the markings on the flue, with the flue plate made of standard-compliant materials of the flue placed on a visible spot at the boiler room and the chimney section and draught calculated and reported as per TS EN 13384-1+A2 or TS EN 13384-2+A1.</p> <p>Note: Fixing mounts between floors, ladders and other steel structure works shall be calculated per the item 15.550.1202. Manufactured to comply with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking, the flues shall be delivered in working order as installed with connections with all components specified in the approved project completed.</p>		

## Heating Systems

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.288.5601	Ø140	368,55	82,88
25.288.5602	Ø160	388,73	93,15
25.288.5603	Ø180	429,16	107,19
25.288.5604	Ø200	466,09	124,31
25.288.5605	Ø225	516,80	148,63
25.288.5606	Ø250	598,58	158,90
25.288.5607	Ø300	959,15	182,88
<b>25.288.5700</b>	<p><b>COMPOSITE-PRIMED CHIMNEY (Unit: m Materials on construction site: 80%)</b>                      For flues: Supply to the work site, installation by the Vocational Qualifications Authority (VQA) Level 3-certified employees of the Manufacturer or Distributor's Authorized Technical Service, and inspection and award of the approval of compliance by the VQA Level 4-certified employees; manufactured as per the standards TS EN 1443, TS EN 1859, TS EN 14471 and TS EN 13216-1, bearing a G marking of compliance with National Technical Approval (NTA) applicable to the flues with maximum 250°C temperature or a CE marking for compliance with the European Technical Assessment (ETA); system made of materials that fulfill the standards applicable to the flue; flue nameplate placed on a visible spot at the boiler room; flue section and draught calculated and reported as per TS EN 13384-1+A2 or TS EN 13384-2+A1. (Unit prices for other values shall be interpolated.)                      Note: To be manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking.</p>		
25.288.5701	Ø140	260,44	58,56
25.288.5702	Ø150	286,69	61,99
25.288.5703	Ø160	304,71	61,99
25.288.5704	Ø180	335,78	65,41
25.288.5705	Ø200	369,24	68,84
25.288.5706	Ø225	377,48	72,26
25.288.5707	Ø250	388,10	75,69
25.288.5708	Ø280	421,75	75,69
25.288.5709	Ø300	458,81	79,11
25.288.5710	Ø350	476,84	79,11
25.288.5711	Ø400	511,51	82,54
25.288.5712	Ø450	575,19	82,54
25.288.5713	Ø500	703,59	85,96
<b>25.288.5800</b>	<p><b>COMPOSITE CHIMNEY WASTE GAS SYSTEM (LAS): (Unit: linear meter Materials on construction site: 80%)</b>                      Unit prices in installed form and installation fees in the item 25.288.5700 shall apply.</p>		



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**JOINT INSTALLATION  
UNIT PRICES AND DEFINITIONS**

2019

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.300.1000</b>	<b>STEEL PIPES:</b> Supply to the work site and on-site installation of steel pipes in compliance with the 305/2011/EC Directive on Construction Materials and the 2014/68/ABDirective on Pressure Equipment, released to the market with CE compliance marking, including the pipe laying, pipe connections, labor, excluding painting and red lead in accordance with the relevant specification and project.		
<b>25.300.1100</b>	<b>Welded Pipes; (Unit: m)</b> Threaded according to TS EN 10255 + A1 (material Fe.33) Nominal Size Outer diameter/wall thickness Weight without sleeve Inch mm Average kg/m		
25.300.1101	1/2" 15 21.3/2.60 1.22	11,91	6,59
25.300.1102	3/4" 20 26.9/2.60 1.57	14,53	7,61
25.300.1103	1" 25 33.7/3.20 2.43	19,65	9,31
25.300.1104	1¼" 32 42.4/3.20 3.13	23,97	10,80
25.300.1105	1½" 40 48.3/3.20 3.60	26,71	11,30
25.300.1106	2" 50 60.3/3.60 5.10	34,22	12,80
25.300.1107	2½" 65 76.1/3.60 6.54	41,30	14,50
25.300.1108	3" 80 88.9/4.00 8.53	53,57	18,70
25.300.1109	4" 100 114.3/4.50 12.50	75,49	21,38
25.300.1110	5" 125 139.7/5.00 17.10	97,55	23,08
25.300.1111	6" 150 165.1/5.00 20.40	115,26	25,89
25.300.1200	<b>Welded Black Steam and Boiler Pipes, screwless, in accordance with TS EN 10217-1, 2, 3, 4, 5 (material Fe 33 DKP steel sheet)</b> External diameter/Wall thickness, Weight mm kg/m		
25.300.1201	44.5/2.5 2.6	23,10	10,00
25.300.1202	51/3.0 3.6	26,57	10,00
25.300.1203	57/3.0 4.0	33,21	12,00
25.300.1204	60/3.0 4.5	34,94	12,00
25.300.1205	70/3.0 4.95	37,40	12,90
25.300.1206	76/3.2 5.45	42,60	13,70
25.300.1207	83/3.2 6.46	47,51	14,70
25.300.1208	89/3.6 6.85	52,27	15,10
25.300.1209	102/3.75 9.1	58,77	16,00
25.300.1210	108/3.5 9.7	62,67	18,70
25.300.1211	114/3.75 10.2	71,95	21,03
25.300.1212	127/4.0 12.2	81,11	21,38
25.300.1213	133/4.0 12.7	83,85	21,38
25.300.1214	140/4.0 13.5	86,95	22,05
25.300.1215	159/4.5 17.2	94,66	23,08
25.300.1300	<b>Straight-Spirally Welded Pipes:(material: Fe 33) (TS EN 102171)</b> Nominal Size: External diameter/wall thickness, Weight inch mm/ mm kg/m		
25.300.1301	8" 219.1x4.5 23.8	128,88	24,17
25.300.1302	8" 219.1x5.0 26.4	140,40	24,17
25.300.1303	8" 219.1x5.6 29.5	151,20	24,17
25.300.1304	8" 219.1x6.3 33.1	169,92	24,17

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>			<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.300.1305	8"	219.1x7.1	37.1	188,64	24,17
25.300.1306	10"	273.0x4.5	29.8	158,40	26,60
25.300.1307	10"	273.0x5.0	33.0	172,80	26,60
25.300.1308	10"	273.0x5.6	36.9	191,52	26,60
25.300.1309	10"	273.0x6.3	41.4	211,68	26,60
25.300.1310	10"	273.0x7.1	46.6	233,28	26,60
25.300.1311	12"	323.9x4.5	35.4	185,76	27,89
25.300.1312	12"	323.9x5.0	39.3	201,60	27,89
25.300.1313	12"	323.9x5.6	44.0	218,88	27,89
25.300.1314	12"	323.9x6.3	49.3	244,80	27,89
25.300.1315	12"	323.9x7.1	55.5	273,60	27,89
25.300.1316	14"	355.6x4.5	39.0	192,96	28,89
25.300.1317	14"	355.6x5.0	43.2	213,12	28,89
25.300.1318	14"	355.6x5.6	48.3	231,84	28,89
25.300.1319	14"	355.6x6.3	54.3	249,12	28,89
25.300.1320	14"	355.6x7.1	61.0	276,48	28,89
25.300.1321	14"	355.6x8.0	68.6	306,72	28,89
25.300.1322	16"	406.4x4.5	44.6	216,00	29,60
25.300.1323	16"	406.4x5.0	49.5	237,60	29,60
25.300.1324	16"	406.4x5.6	55.3	262,08	29,60
25.300.1325	16"	406.4x6.3	62.2	290,88	29,60
25.300.1326	16"	406.4x7.1	69.9	321,12	29,60
25.300.1327	16"	406.4x8.0	78.6	349,92	29,60
25.300.1328	18"	457.2x4.5	50.2	241,92	30,17
25.300.1329	18"	457.2x5.0	55.8	264,96	30,17
25.300.1330	18"	457.2x5.6	62.3	293,76	30,17
25.300.1331	18"	457.2x6.3	70.0	313,92	30,17
25.300.1332	18"	457.2x7.1	78.8	349,92	30,17
25.300.1333	18"	457.2x8.0	88.6	387,36	30,17
25.300.1334	20"	508.0x4.5	55.9	270,72	34,46
25.300.1335	20"	508.0x5.0	62.0	290,88	34,46
25.300.1336	20"	508.0x5.6	69.4	324,00	34,46
25.300.1337	20"	508.0x6.3	77.9	349,92	34,46
25.300.1338	20"	508.0x7.1	87.7	390,24	34,46
25.300.1339	20"	508.0x8.0	98.6	434,88	34,46
25.300.1340	22"	588.8x5.0	68.3	325,44	41,33
25.300.1341	22"	588.8x5.6	76.4	360,00	41,33
25.300.1342	22"	588.8x6.3	85.9	397,44	47,91
25.300.1343	22"	588.8x7.1	96.6	440,64	47,91
25.300.1344	22"	588.8x8.0	109.0	499,68	47,91
25.300.1345	24"	609.6x5.0	74.6	365,76	54,91
25.300.1346	24"	609.6x5.6	83.5	391,68	54,91
25.300.1347	24"	609.6x6.3	93.8	437,76	60,35
25.300.1348	24"	609.6x7.1	106.0	491,04	60,35
25.300.1349	24"	609.6x8.0	119.0	542,88	60,35
25.300.1350	26"	660.4x5.6	90.4	439,20	70,93
25.300.1351	26"	660.4x6.3	102.0	480,96	70,93



**Joint Installation**

ITEM NO	NATURE OF WORK			UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.300.1352	26"	660.4x7.1	115.0	535,68	70,93
25.300.1353	26"	660.4x8.0	129.0	588,96	70,93
25.300.1354	28"	711.2x6.3	109.0	512,64	75,08
25.300.1355	28"	711.2x7.1	123.0	573,12	75,08
25.300.1356	28"	711.2x8.0	139.0	635,04	75,08
25.300.1357	30"	762.0x6.3	117.0	578,88	79,37
25.300.1358	30"	762.0x7.1	132.0	613,44	79,37
25.300.1359	30"	762.0x8.0	149.0	681,12	79,37
25.300.1360	32"	812.8x7.1	141.0	653,76	84,37
25.300.1361	32"	812.8x8.0	159.0	725,76	84,37
25.300.1362	34"	863.6x7.1	150.0	714,24	91,52
25.300.1363	34"	863.6x8.0	169.0	771,84	91,52
25.300.1364	34"	863.6x8.8	186.0	843,84	91,52
25.300.1365	36"	914.4x7.1	159.0	738,72	100,10
25.300.1366	36"	914.4x8.0	179.0	817,92	100,10
25.300.1367	36"	914.4x10.0	196.0	982,08	100,10
25.300.1368	40"	1016.0x7.1	177.0	820,80	108,68
25.300.1369	40"	1016.0x8.0	199.0	910,08	108,68
25.300.1370	40"	1016.0x10.0	248.0	1.104,48	108,68
<b>25.300.1400</b>	<b>Welded Galvanized Pipes; in accordance with TS EN 10255 + A1, material Fe 33-2: (Unit: m)</b> Nominal Size Average outer diameter/Wall thickness Inches Ø mm/mm				
25.300.1401	1/2"	15	21.3/2.65	14,54	7,08
25.300.1402	3/4"	20	26.9/2.65	18,29	8,22
25.300.1403	1"	25	33.7/3.25	24,05	9,44
25.300.1404	1 1/4"	32	42.4/3.25	30,10	11,44
25.300.1405	1 1/2"	40	48.3/3.25	34,56	13,16
25.300.1406	2"	50	60.3/3.65	44,06	14,23
25.300.1407	2 1/2"	65	76.1/3.65	52,99	14,59
25.300.1408	3"	80	88.9/4.05	67,54	18,30
25.300.1409	4"	100	114.3/4.5	92,88	20,59
25.300.1410	5"	125	139.7/5.0	123,12	25,45
25.300.1411	6"	150	165.1/5.0	146,88	28,46
<b>25.300.1500</b>	<b>Seamless Pipes, (patent drawn steel); (Size: m) (in accordance with TS EN 10216-1 and material Fe 33)</b> External diameter / wall thickness mm				
25.300.1501	10.2/1.6			5,35	3,43
25.300.1502	13.5/1.8			7,08	4,00
25.300.1503	16.0/1.8			8,00	4,15
25.300.1504	17.2/1.8			9,46	4,40
25.300.1505	20.0/2.0			10,61	4,40
25.300.1506	21.3/2.0			11,12	4,40
25.300.1507	25.0/2.0			13,36	5,80
25.300.1508	26.9/2.3			14,88	5,80
25.300.1509	30.0/2.6			18,49	5,80
25.300.1510	31.8/2.6			18,91	5,80

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.300.1511	33.7/2.6	19,93	5,80
25.300.1512	38.0/2.6	21,80	5,80
25.300.1513	42.4/2.6	23,68	5,80
25.300.1514	44.5/2.6	26,71	8,60
25.300.1515	48.3/2.6	28,74	8,60
25.300.1516	57.0/2.9	34,22	8,60
25.300.1517	60.3/2.9	35,66	8,60
25.300.1518	63.5/2.9	37,26	8,60
25.300.1519	70.0/2.9	41,01	9,50
25.300.1520	76.1/2.9	43,90	9,50
25.300.1521	82.5/3.2	51,50	14,10
25.300.1522	88.9/3.2	55,16	14,10
25.300.1523	101.6/3.6	62,96	14,10
25.300.1524	108.0/3.6	66,71	14,10
25.300.1525	114.3/3.6	70,47	14,10
25.300.1526	121.0/4.0	81,42	20,00
25.300.1527	127.0/4.0	86,60	20,00
25.300.1528	133.0/4.0	90,97	20,00
25.300.1529	139.7/4.0	97,47	20,00
25.300.1530	159.0/4.5	115,89	20,00
25.300.1531	165.1/4.5	119,13	23,40
25.300.1532	177.8/5.0	136,89	23,40
25.300.1533	219.1/6.0	197,13	23,40
25.300.1534	244.5/6.3	225,16	29,50
25.300.1535	273.0/6.3	258,48	29,50
25.300.1536	323.9/7.1	336,45	29,50
25.300.1537	368.0/8.0	453,34	39,33
25.300.1538	406.4/8.8	568,71	44,80
25.300.1539	419.0/10.8	621,66	44,80
25.300.1540	457.2/10.0	692,14	51,36
<b>25.300.1600</b>	<p><b>STEEL PIPES: (For natural gas industry steel pipelines) (Unit: m, )</b>                      The supply to the work site and on-site installation of the steel natural gas pipes, manufactured in compliance with the Directive (97/23/EC) for Pressure Equipment, and released with a CE compliance marking, steel natural gas pipes in compliance with TS EN ISO 3183:2012:2013 made of Gr-A material for sizes smaller than Ø114.3 / 6.0 mm and made of Gr-B material for sizes bigger than Ø114.3 / 6.0 mm and above to be laid in accordance with the related specification and project including all the materials and labor for the fittings, the fittings materials and excluding the red lead paint, pipe installation material costs shall be paid on item numbers 201-400 and 201-500.                      External diameter / wall thickness (mm)</p>		
25.300.1601	21.3/2.8	13,46	6,59
25.300.1602	26.7/2.9	16,61	7,61
25.300.1603	33.4/3.4	22,94	9,31
25.300.1604	42.2/3.6	29,89	9,50
25.300.1605	48.3/3.7	34,37	9,80
25.300.1606	60.3/3.9	42,31	10,50

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.300.1607	76.0/5.2	64,59	18,30
25.300.1608	88.9/5.5	81,75	20,00
25.300.1609	114.3/6.0	101,00	21,38
25.300.1610	141.0/6.0	135,20	23,08
25.300.1611	168.3/7.1	172,14	25,89
25.300.1612	219.1/8.2	246,59	26,59
25.300.1613	273.0/9.3	329,54	28,29
25.300.1614	323.9/9.5	423,76	30,01
<b>25.300.1700</b>	<b>NATURAL GAS PIPES COATED WITH POLYETHYLENE: (Unit: m,)</b> The supply to the work site and on-site installation of TS EN ISO 3183:2013-compliant natural gas pipes coated with polyethylene by using the TS 5139 and DIN 30670-compliant extrusion method, the laying of the pipes in accordance with the related specification and project including every kind of material used for making connections and the labor with fittings and fasteners. (Pipe installation material costs shall be paid on item numbers 201-400 and 201-500) Outer Diameter (mm)		
25.300.1701	21.3	20,46	6,59
25.300.1702	26.09	24,61	7,61
25.300.1703	33.7	32,31	9,31
25.300.1704	42.4	44,70	13,83
25.300.1705	48.3	50,95	15,20
25.300.1706	60.3	65,68	16,93
25.300.1707	76.1	88,20	18,30
25.300.1708	88.9	108,75	20,00
25.300.1709	114.3	135,13	21,38
25.300.1710	139.7	176,21	23,08
25.300.1711	168.3	233,39	25,89
25.300.1712	219.1	313,29	28,29
25.300.1713	273.0	463,76	30,01
25.300.2100	<b>The price of pipe installation material installed threaded inside the building; (Unit: %)</b> Pipe installation material for fixing the pipes defined as item nr. 201-100, 201-200 and 201-300, with all the fittings and piping components by using threaded connections, including the hanger material.	% 30	
25.300.2200	<b>The price of pipe installation material installed as welded inside the building; (Unit: %)</b> Pipe installation material for fixing the pipes defined as per item nr. 201-100, 201-200 and 201-300, with all the fittings and piping components by using welded connections, including the hanger material.	% 25	
25.300.2300	<b>The price of pipe installation material installed with flanges inside the building; (Unit: %)</b> Pipe installation material for fixing the pipes defined as item nr. 201-100, 201-200 and 201-300, with all the fittings and piping components by using welded connections, including the hanger material.	% 40	

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.300.2400	<b>The price of pipe installation material installed in the ducts outside the building; (Unit: %)</b> Pipe installation material for fixing the pipes defined as item nr. 201-100, 201-200 and 201-300 in the ducts outside the building, threaded or welded, including all the fittings, piping components and hanger material (excluding the consoles and support material).	% 15	
25.300.2500	<b>The price of pipe installation material installed with flanges in the ducts outside the building; (Unit: %)</b> Pipe installation material for fixing the pipes defined as item nr. 201-100, 201-200 and 201-300 in the ducts outside the building, flanged, including all the fittings, piping components and hanger materials (excluding the consoles and support material).	% 25	
<b>25.305.1000</b>	<b>PLASTIC PIPES: (Size: m)</b>		
<b>25.305.1100</b>	<b>Rigid PVC Plastic Drinkable Water Pipes (slip-on or stick-on bellmouth type); (Unit: m)</b> Supply to the work site of rigid PVC plastic drinkable water pipe in accordance with TS EN ISO 1452-1,2 installation in its designated location as plug-in or glue muff. Outer Diameter    Pressure Ø mm                      Atmosphere		
25.305.1101	20                      10	2,40	1,24
25.305.1102	25                      10	2,81	1,24
25.305.1103	32                      10	4,19	1,60
25.305.1104	40                      10	5,34	1,90
25.305.1105	50                      6	6,28	2,50
25.305.1106	50                      10	8,26	3,33
25.305.1107	63                      6	8,68	3,73
25.305.1108	63                      10	11,21	3,73
25.305.1109	75                      6	10,95	4,15
25.305.1110	75                      10	14,64	4,15
25.305.1111	90                      6	14,98	4,56
25.305.1112	90                      10	19,66	4,56
25.305.1113	110                      6	16,83	4,96
25.305.1114	110                      10	22,81	4,96
25.305.1115	125                      6	21,15	4,96
25.305.1116	125                      10	29,54	4,96
25.305.1117	140                      6	25,69	5,81
25.305.1118	140                      10	34,99	5,81
25.305.1119	160                      6	31,39	5,81
25.305.1120	160                      10	44,81	5,81
25.305.1121	200                      6	44,33	6,23
25.305.1122	200                      10	66,85	6,23
25.305.1123	225                      6	56,53	7,05
25.305.1124	225                      10	83,24	7,05
25.305.1125	250                      6	72,24	8,29

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.305.1126	250 10	103,35	8,29
25.305.1127	280 6	87,48	8,29
25.305.1128	280 10	127,31	8,29
25.305.1129	315 6	105,28	8,71
25.305.1130	315 10	156,19	8,71
25.305.1131	355 6	136,94	9,11
25.305.1132	355 10	210,01	9,11
25.305.1133	400 6	177,78	11,19
<b>25.305.1200</b>	<b>Slip-on or stick-on bellmouth pipe installation material cost: (Unit: %)</b> For the cost of the fittings, adhesives and gaskets used for the installation of rigid PVC slip-on or stick-on bellmouth plastic drinkable water pipes, the following percentages of the installed pipe cost shall be taken:		
25.305.1201	In case of indoor installation (Unit: %)	% 25	
25.305.1202	In case of outdoor installation inside of the ducts (Unit: %)	% 20	
25.305.1203	In case of outdoor installation laying into the ground (Unit: %)	% 15	
<b>25.305.2000</b>	<b>Polypropylene Clean Water Pipes (TS EN ISO 15874-1, 2, 3, 5, 7) (Size: m)</b> Polypropylene (PPR-C) in accordance with the TS EN ISO 15874-2, certified by the Ministry of Health for use as drinkable water pipes, their supply in work site, cutting in accordance with the project physio thermal welding with the fittings at a temperature of 260°C by squeezing. (Including all kinds of materials and labor for welding) The cost of installation materials shall be paid separately.		
<b>25.305.2100</b>	<b>PN 20 Polypropylene Pipes; (Unit: m)</b> Nominal Size Outer diameter/Wall thickness Inches (Ø/ mm)		
25.305.2101	1/2" 20/3.4	4,79	2,16
25.305.2102	3/4" 25/4.2	7,75	3,48
25.305.2103	1" 32/5.4	11,41	3,80
25.305.2104	1 1/4" 40/6.7	16,05	4,15
25.305.2105	1 1/2" 50/8.4	23,96	4,50
25.305.2106	2" 63/10.5	35,53	4,83
25.305.2107	2 1/2" 75/12.5	50,34	5,18
25.305.2108	3" 90/15.0	79,93	5,53
25.305.2109	4" 110/18.4	116,45	6,01
25.305.2110	5" 125/20.9	160,96	6,49
<b>25.305.3000</b>	<b>Aluminum Foil (with oxygen barrier) Composite PP-RC Pipes: (Unit: m)</b> PP-RC pipes in accordance with (TS EN ISO 15874-1, 2, 3, 5, 7), TS 9937, polypropylene (PPR-C), Type 3, suitable for use in hot and cold water systems, when tested according to TS EN 13501-1 the least normal flammability, three layers of polypropylene (inner and outer layers PP, middle layer Aluminum folio), the middle layer (Aluminum) at least 150 microns, the wall thickness of the outer layer at least 0.5 mm, their supply in work site, cutting in accordance with the project physio thermal welding with the fittings at a temperature of 260°C by squeezing. (Including all kinds of materials and labor for welding) The cost of installation materials shall be paid separately.		

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.305.3100</b>	<b>PN 20 Aluminum Foil Polypropylene Pipes; (Unit: m)</b> Nominal Size      Outer diameter/Wall thickness Inches (Ø mm)		
25.305.3101	1/2"                      20/2.8	6,59	2,16
25.305.3102	3/4"                      25/3.5	9,73	3,48
25.305.3103	1"                         32/4.4	14,51	3,80
25.305.3104	1 1/4"                    40/5.5	20,79	4,15
25.305.3105	1 1/2"                    50/6.9	30,21	4,50
25.305.3106	2"                         63/8.6	45,65	4,83
25.305.3107	2 1/2"                    75/10.3	68,61	5,18
25.305.3108	3"                         90/12.3	107,70	5,53
25.305.3109	4"                         110/15.1	143,90	6,01
<b>25.305.4000</b>	<b>Glass Fiber Reinforced Composite PP-RC Pipes: (Unit: m)</b> PPR-C pipes in accordance with TS 13715, polypropylene (PPR-C), Type 3, suitable for use in hot and cold water systems, when tested according to TS EN 13501-1 the least normal flammability, three layers of polypropylene (inner and outer layers PP, middle layer glass fiber reinforced PP), their supply in work site, cutting in accordance with the project, physio thermal welding with the fittings at a temperature of 260°C. (Including all kinds of materials and workmanship for welding) The cost of installation materials shall be paid separately.		
<b>25.305.4100</b>	<b>PN 25 Glass Fiber Reinforced Polypropylene Pipes; (Unit: m)</b> Nominal Size      Outer diameter/Wall thickness Inches (Ø/ mm)		
25.305.4101	1/2"                      20/2.8	5,36	2,16
25.305.4102	3/4"                      25/3.5	8,33	3,48
25.305.4103	1"                         32/4.4	11,88	3,80
25.305.4104	1 1/4"                    40/5.5	16,86	4,15
25.305.4105	1 1/2"                    50/6.9	25,01	4,50
25.305.4106	2"                         63/8.6	36,80	4,83
25.305.4107	2 1/2"                    75/10.3	52,88	5,18
25.305.4108	3"                         90/12.3	84,28	5,53
25.305.4109	4"                         110/15.1	121,01	6,01
25.305.5000	<b>The price of pipe installation material installed with physio thermal welding inside the building; (Unit: %)</b> For the cost of the fittings for polypropylene pipes in item 25.305.2100, used for indoor installations, connected with physio welding with each other or for connections with valves, unions, taps etc., fittings such as bends, sleeves, tee cross, reductions, caps and inegal tee made of polypropylene PPR-C Type 3, having one end for welded (PP) and the other end threaded (bronze) connections and every kind of fixing material such as plastic and metal clamp, hanger, sleeve, the following percentage of the installed polypropylene pipe cost shall be taken: Note: (It shall be documented by the Ministry of Health that there is no harm in the use for drinkable water.)	% 45	

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.305.5100	<b>The price of pipe installation material installed in the ducts outside the building; (Unit: %)</b> In case of item 25.305.2100 pipes used in ducts outside the buildings are connected to each other with physio thermal welding or with screw, provided that the other features are the same as in item 25.305.5000, the following percentage of the polypropylene pipe cost shall be taken:	% 18	
25.305.5200	<b>The price of pipe installation material installed into the ground outside the building; (Unit: %)</b> In case of item 25.305.2100 polypropylene pipes are installed underground outside the buildings are connected to each other with physio thermal welding or with screw, provided that the other features are the same as in item 25.305.5000, the following percentage of the installed polypropylene pipe cost shall be taken:	% 18	
<b>25.305.6100</b>	<b>Rigid PVC Plastic Drain Pipes (slip-on or stick-on bellmouth) (TS EN 1329-1); (Unit: m)</b> Supply to the work site of rigid PVC plastic drain pipes in accordance with TS 1329-1, installation in its designated location as slip-on or stick-on bellmouth External diameter Wall thickness Ø mm mm		
25.305.6101	40 - 50 3.0	7,50	2,75
25.305.6102	70 - 75 3.0	11,30	3,43
25.305.6103	100 - 110 3.0	19,16	5,54
25.305.6104	125 3.2	21,29	5,54
25.305.6105	150 - 160 3.2	31,46	6,24
25.305.6106	160 3.8	34,51	6,24
25.305.6107	200 3.9	48,60	6,59
25.305.6108	200 4.9	56,69	6,59
25.305.6109	250 4.9	74,59	8,29
<b>25.305.6200</b>	<b>Polypropylene Plastic Drain Pipes (with slip-on bellmouth) (According to TS EN 1451-1) (Unit: m)</b> External diameter Wall thickness (mm) (mm)		
25.305.6201	Ø50 1.8	6,73	1,73
25.305.6202	Ø70 1.9	10,99	2,64
25.305.6203	Ø100 2.7	19,78	3,08
25.305.6204	Ø125 3.1	24,26	3,43
25.305.6205	Ø150 3.9	38,84	4,45
<b>25.305.6300</b>	<b>SOUND INSULATED PLASTIC DRAIN PIPES (Unit: m)</b> The supply to the work site and on-site installation of three-layer polypropylene pipes (inner and outer layers PP, middle layer mineral PP added) for indoor, when tested according to TS EN 14366 or DIN 4109, the sound permeability max. 24 dB at 4 (L/sec) flow, when non-flammable class tested according to TS EN 13501-1+A1, the flammability at least normal. Outside diameter (mm) min. Wall thickness (mm)		
25.305.6301	50 Ø 2.0	12,09	2,75
25.305.6302	70 Ø 2.4	18,85	3,43
25.305.6303	110 Ø 3.2	29,93	4,83
25.305.6304	125 Ø 3.2	41,90	5,54
25.305.6305	160 Ø 4.0	54,81	6,24
25.305.6306	200 Ø 4.5	79,06	6,59

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.305.6600	<b>Acoustically insulated, PVC, polypropylene plastic sewage pipes (slip-on bellmouth) installation material fee: (Unit: %)</b> Of the pipe installation fee including all fittings, additional caps, retainers, etc. and seals used in installation of acoustically-insulated, PVC, polypropylene plastic sewage pipes.	% 35	
<b>25.305.6700</b>	<b>Centrifugal Pig-cast Sewage Pipes (Unit: m)</b> The supply to the work site and installation of the pipes and the fittings in compliance with the Directive 305/2011/EC on Construction Products and produced by centrifugal casting from the material with 7.2 kg/dm <sup>3</sup> density (material in compliance with the Standard TS EN 1561) in accordance with the Standard TS EN 877, the fittings phosphorized by using the cataphoresis electro immersion method or dip-coated and then oven-dried at 180 C, the inner surfaces of the pipes coated with 130 µm of two component epoxy in compliance with the Standard TS EN 13501-1+A1, the outer surfaces coated with 40 µm of acrylic-coated, sound insulation in accordance with DIN 4109, laying of the pipes in accordance with the design, making of the clamp connections with EPDM gaskets in compliance with the Standard TS EN 681-1.		
25.305.6701	DN 50	123,33	23,43
25.305.6702	DN 70	161,59	40,00
25.305.6703	DN 80	182,85	46,85
25.305.6704	DN 100	220,43	63,43
25.305.6705	DN 125	276,73	70,28
25.305.6706	DN 150	334,06	86,85
25.305.6707	DN 200	515,30	98,56
25.305.6708	DN 250	678,66	105,41
25.305.6709	DN 300	779,60	117,13
25.305.6800	<b>Cast iron drain pipe installation material cost (Unit:%)</b> For the cost of the fittings, fasteners, flanges and gaskets used for the installation of the cast iron drain pipes in item 25.305.6700, the following percentage of the installed pipe cost shall be taken:	% 50	
25.305.7000	<b>POLYETHYLENE PIPES (Unit: m)</b> The supply to the work site and installation of polyethylene pipes in accordance with TS EN 12201-2: 2011 + A1.		
<b>25.305.7100</b>	<b>PE100 Class SDR 17 series PN 10 polyethylene pipes; (Unit: m)</b>		
25.305.7101	32	3,01	1,18
25.305.7102	40	4,90	1,41
25.305.7103	50	6,03	1,59
25.305.7104	63	9,93	1,76
25.305.7105	75	11,63	1,88
25.305.7106	90	18,40	1,88
25.305.7107	110	23,26	2,20
<b>25.305.7200</b>	<b>PE-RT (Polyethylene with Increased Temperature Resistance) PIPES: (Unit: m)</b> The supply to the work site and the installation of pipes in compliance with the Standard TS EN ISO 22391-2, class A size, suitable for application grades 4 and 5, in continuous operation at 70°C, maximum 95°C, with a design pressure of 6 bar, made of type 2 PE-RT raw material.		
25.305.7201	PE-RT Pipe 16 x 2.0 mm (without oxygen barrier)	2,99	1,00



**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.305.7202	PE-RT Pipe 16 x 2.0 mm (with oxygen barrier)	3,55	1,00
<b>25.305.8000</b>	<b>PEX PIPES (Crosslinked Polyethylene): (Unit: m)</b> The supply to the work site and installation of the crosslinked polyethylene pipes in compliance with the Standard ISO 15875-2 (TS 10762-2 ISO 15875-2) and DIN 16892-93 by indicating the series, class, pressure and temperature, the method of production, the symbols a, b, c and the crosslink ratio, in accordance with the design following the completion of the required tests.		
<b>25.305.8100</b>	<b>PE-Xa Pipes (6 bar):</b> The supply to the work site and installation of the PE-Xa pipes, ISO A Series 5; for application classes 4 and 5; operating at maximum 95°C, 6 bar operating pressure, with a minimum cross-linking ratio of 70%, with peroxide additives; The necessary tests of polyethylene (PE-Xa) pipes with oxygen barrier (EVOH) in accordance with DIN 4726 and with the design. Nominal Outer Diameter (Ø mm)		
25.305.8101	PE-Xa Pipe with Oxygen barrier, 16 x 2.0 mm	5,29	1,00
25.305.8102	PE-Xa Pipe with Oxygen barrier, 17 x 2.0 mm	5,39	1,00
25.305.8103	PE-Xa Pipe with Oxygen barrier, 20 x 2.0 mm	6,28	1,00
25.305.8104	PE-Xa Pipe with Oxygen barrier, 25x2.3 mm	9,00	1,00
25.305.8105	PE-Xa Pipe with Oxygen barrier, 32x2.9 mm	16,44	1,18
25.305.8106	PE-Xa Pipe with Oxygen barrier, 40x3.7 mm	24,28	1,18
25.305.8107	PE-Xa Pipe with Oxygen barrier, 50x4.6 mm	33,41	1,18
25.305.8108	PE-Xa Pipe with Oxygen barrier, 63x5.8 mm	47,10	1,18
<b>25.305.8200</b>	<b>PE-Xa Pipes (10 bar):</b> The supply to the work site and installation of the PE-Xa pipes, ISO A Series 2; for application classes 1, 2, 4 and 5; operating at maximum 95°C, 10 bar operating pressure, with a minimum cross-linking ratio of 70%, with peroxide additives; The necessary tests of polyethylene (PE-Xa) pipes with oxygen barrier (EVOH) in accordance with DIN 4726 and with the design. Nominal Outer Diameter (Ø mm)		
25.305.8201	PE-Xa Pipe with Oxygen barrier, 16x2.2 mm	5,65	1,00
25.305.8202	PE-Xa Pipe with Oxygen barrier, 20x2.8 mm	10,25	1,00
25.305.8203	PE-Xa Pipe with Oxygen barrier, 25x3.5 mm	18,45	1,00
25.305.8204	PE-Xa Pipe with Oxygen barrier, 32x4.4 mm	30,96	1,18
25.305.8205	PE-Xa Pipe with Oxygen barrier, 40x5.5 mm	45,38	1,18
25.305.8206	PE-Xa Pipe with Oxygen barrier, 50x6.9 mm	66,23	1,18
<b>25.305.8300</b>	<b>Al foil layer metal-polymer composite Pe-Xa pipes:</b> The supply to the work site and installation of metal-polymer composite polyethylene (Pe-Xa) pipes crosslinked under high pressure in accordance with the standard TS EN ISO 21003 and TS EN ISO 15875 with a cross-link ratio of minimum 70%, operating at maximum 90°C temperature and at maximum 10 bar pressure, Al foil layered (plastic Al plastic from the inside out). Nominal Outer Diameter (Ø mm)		
25.305.8301	16.2 x 2.6 mm	8,31	1,00
25.305.8302	20 x 2.9 mm	10,69	1,00
25.305.8303	25 x 3.7 mm	17,20	1,00
25.305.8304	32 x 4.7 mm	25,38	1,18
25.305.8305	40 x 6.0 mm	45,48	1,18

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.305.8400</b>	<b>PE-Xb PIPES: (Unit: m)</b> The supply to the work site and installation of the PE-Xa pipes, ISO A Series 5; for application classes 4; operating at maximum 95°C temperature and 6 bar pressure, with silane additive, produced with cross-linking method, having a cross-linking ratio of 65% in accordance with the design. Nominal Outer Diameter (Ø mm)		
25.305.8401	PE-Xb Pipe with Oxygen barrier, 16x2.0 mm	3,66	1,00
25.305.8402	PE-Xb Pipe with Oxygen barrier, 20x2.0 mm	4,75	1,00
25.305.8403	PE-Xb Pipe with Oxygen barrier, 25x2.3 mm	5,39	1,00
25.305.8404	PE-Xb Pipe without Oxygen barrier, 16x2.0 mm	2,83	1,00
25.305.8405	PE-Xb Pipe without Oxygen barrier, 20x2.0 mm	3,29	1,00
25.305.8406	PE-Xb Pipe without Oxygen barrier, 25x2.3 mm	4,38	1,00
25.305.8500	The supply to the work site and installation of spiral protective sheath used for PE-Xa, PE-Xb and PE-RT pipes at diameters Ø16-Ø17. (Unit: m)	1,10	0,35
<b>25.305.9000</b>	<b>The price of polyethylene, PE-RT, PE-Xa, Pe-Xb pipe fittings: (Unit: %)</b> Payment for all fasteners, retainers, all flanges and seals required for installation.		
25.305.9001	Indoor (Unit: %)	% 25	
25.305.9002	Outdoor installation inside of the ducts (Unit: %)	% 20	
25.305.9003	Outdoor installation laying into the ground (Unit: %)	% 10	
<b>25.307.1000</b>	<b>PRE-INSULATED PIPES (Unit: m)</b>		
<b>25.307.1100</b>	<b>Preinsulated Steel Pipes (Unit: m)</b> The supply to the work site and installation, in compliance with 13941+A1, of pre-insulated pipes manufactured in compliance with TS EN 253+A2, with polyurethane thermal insulation, high density polyethylene (HDPE) outer jacket, steel carrying pipe which can be buried beneath the ground for use with central systems and used with hot water lines (including labor, excluding fittings and fixings) Carrying pipe nominal size enclosure nominal outer diameter inch Ø mm		
25.307.1101	1/2" 75	28,66	8,29
25.307.1102	3/4" 90	34,99	9,31
25.307.1103	1" 90	39,86	11,61
25.307.1104	1 1/4" 110	53,23	15,55
25.307.1105	1 1/2" 110	54,93	16,93
25.307.1106	2" 125	67,38	18,63
25.307.1107	2 1/2" 140	80,54	20,73
25.307.1108	3" 160	97,56	23,16
25.307.1109	4" 200	134,88	24,51
25.307.1110	5" 225	163,24	26,24
25.307.1111	6" 250	188,05	27,61
25.307.1112	8" 315	265,35	29,01
25.307.1113	10" 400	378,50	30,74
25.307.1114	12" 450	469,99	33,15

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.307.1200</b>	<b>Pre Insulated Galvanized Pipes; (Unit: m)</b> The supply to the work site and installation of pre-insulated pipes manufactured in compliance with TS EN 10255+A1, other features the same as in item 204-4100 (including labor, excluding fittings and fasteners) Carrier pipe nominal size Enclosure outer diameter inch Ø mm		
25.307.1201	1/2" 75	33,39	8,29
25.307.1202	3/4" 90	38,21	9,31
25.307.1203	1" 90	45,44	11,61
25.307.1204	1 1/4" 110	58,16	15,55
25.307.1205	1 1/2" 110	62,21	16,93
25.307.1206	2" 125	77,90	18,63
25.307.1207	2 1/2" 140	96,63	20,73
25.307.1208	3" 160	113,91	23,16
25.307.1209	4" 200	163,49	24,51
25.307.1210	5" 225	201,19	26,24
25.307.1211	6" 250	229,05	27,61
<b>25.307.1300</b>	<b>Preinsulated PPR-C Pipes (Unit: m)</b> The supply to the work site and installation of pre-insulated pipes manufactured in compliance with TS EN 253+A2, with polyurethane thermal insulation, high density polyethylene (HDPE) outer jacket, PPR-C carrying pipe in PN 20 pressure class and in compliance with ISO 15874 which can be buried beneath the ground and (including labor, excluding fittings and fixings) Carrying pipe nominal size enclosure nominal outer diameter inch Ø mm		
25.307.1301	Ø20 75	24,40	8,29
25.307.1302	Ø25 90	29,60	9,31
25.307.1303	Ø32 90	38,30	11,61
25.307.1304	Ø40 110	54,60	15,55
25.307.1305	Ø50 110	69,30	16,93
25.307.1306	Ø63 125	94,80	18,63
25.307.1307	Ø75 140	131,30	20,73
25.307.1308	Ø90 160	194,30	23,16
25.307.1309	Ø110 200	277,70	24,51
25.307.1310	Ø125 225	360,10	26,24
<b>25.307.1400</b>	<b>Preinsulated Fiberglass-reinforced Composite PPR-C Pipes (Unit: m)</b> The supply to the work site and installation of pre-insulated pipes manufactured in compliance with TS EN 253+A2, with polyurethane thermal insulation, high density polyethylene (HDPE) outer jacket, PPR-C carrying pipe in PN 25 pressure class and in compliance with TS 13715 which can be buried beneath the ground and (including labor, excluding fittings and fixings) Carrying pipe nominal size enclosure nominal outer diameter inch Ø mm		
25.307.1401	Ø20 75	26,20	8,29
25.307.1402	Ø25 90	31,60	9,31
25.307.1403	Ø32 90	41,50	11,61
25.307.1404	Ø40 110	58,70	15,55
25.307.1405	Ø50 110	75,10	16,93

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.307.1406	Ø63 125	105,10	18,63
25.307.1407	Ø75 140	143,20	20,73
25.307.1408	Ø90 160	205,70	23,16
25.307.1409	Ø110 200	293,30	24,51
25.307.1410	Ø125 225	388,70	26,24
25.307.1650	Price of all preinsulated fasteners in compliance with TS EN 448, fittings, fixings, flanges and gaskets used for the installation of the PE-pipes in item 25.307.1100, 1200, 1300 and 1400 as the percentage of the installed pipe cost (Unit: %):	% 30	
<b>25.307.1900</b>	<b>Pre-insulated Flexible Plastic Pipes; (Unit: m)</b> The supply to the work site and installation of pre-insulated flexible plastic pipes manufactured in compliance with EN 15632, for use in central and remote heating and cooling systems, liquid carrier pipe Polybutylene (PB), PEX-a, PPR, PE; with polyolefin outer jacket, cross-linked polyethylene, made of polyethylene or high density polyethylene (HDPE), SDR 11 class, suitable for 6 bar pressure and operating temperatures up to 95°C, (excluding fitting and fixing materials) Carrier Pipe Nominal Diameter Casing Pipe min. Outer Diameter (Ø) mm (Ø) mm		
25.307.1901	25 50	77,68	6,23
25.307.1902	32 63	116,85	8,29
25.307.1903	40 75	131,75	10,38
25.307.1904	50 90	176,81	12,44
25.307.1905	63 125	213,23	14,51
25.307.1906	75 125	249,73	16,58
25.307.1907	90 160	360,16	18,66
25.307.1908	110 190	390,24	22,80
25.307.1909	125 200	499,13	24,86
25.307.1950	For the cost of all fittings and fasteners used for the installation of the pipes in item 25.307.1900, the following percentage of the installed pipe cost shall be taken (Unit: %):.	% 15	
<b>25.310.1000</b>	<b>COPPER PIPES: (Materials on construction site: 60%)</b> The supply to the work site and installation of pipe manufactured in compliance with TS EN 12450		
<b>25.310.1100</b>	<b>Copper pipe with 0.8 mm wall thickness (Unit: m)</b>		
25.310.1101	Ø5 mm	6,78	3,43
25.310.1102	Ø6 mm	8,39	4,10
25.310.1103	Ø8 mm	10,39	4,10
25.310.1104	Ø10 mm	13,36	5,15
25.310.1105	Ø12 mm	15,43	5,48
25.310.1106	Ø14 mm	17,70	5,83
25.310.1107	Ø16 mm	20,55	6,50
25.310.1108	Ø20 mm	24,75	6,85
<b>25.310.1200</b>	<b>Copper pipe with 1 mm wall thickness (Unit: m)</b>		
25.310.1201	Ø4 mm	5,96	3,48
25.310.1202	Ø5 mm	7,81	4,15
25.310.1203	Ø6 mm	9,80	4,83
25.310.1204	Ø8 mm	12,80	5,53

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.310.1205	Ø10 mm	15,64	5,88
25.310.1206	Ø12 mm	18,44	6,20
25.310.1207	Ø14 mm	21,28	6,55
25.310.1208	Ø16 mm	24,10	7,23
25.310.1209	Ø18 mm	26,89	7,58
25.310.1210	Ø20 mm	29,30	7,93
25.310.1211	Ø22 mm	32,45	8,25
25.310.1212	Ø25 mm	36,90	8,60
25.310.1213	Ø28 mm	40,40	8,95
<b>25.310.1300</b>	<b>Copper pipe with 1.5 mm wall thickness (Unit: m)</b>		
25.310.1301	Ø5 mm	8,05	4,15
25.310.1302	Ø6 mm	10,36	4,83
25.310.1303	Ø8 mm	14,78	5,53
25.310.1304	Ø10 mm	18,90	5,88
25.310.1305	Ø12 mm	23,29	6,20
25.310.1306	Ø16 mm	31,91	7,23
25.310.1307	Ø20 mm	39,34	7,58
25.310.1308	Ø22 mm	42,41	7,93
25.310.1309	Ø25 mm	48,88	8,25
25.310.1310	Ø28 mm	54,15	8,60
25.310.1311	Ø32 mm	61,51	8,95
25.310.1312	Ø35 mm	67,31	9,30
25.310.1313	Ø36 mm	71,40	9,63
25.310.1314	Ø40 mm	79,21	9,98
<b>25.310.1400</b>	<b>Copper pipe with 2 mm wall thickness (Unit: m)</b> External diameter		
25.310.1401	Ø20 mm	48,76	7,93
25.310.1402	Ø25 mm	60,50	8,60
25.310.1403	Ø32 mm	77,41	9,30
25.310.1404	Ø40 mm	99,59	10,33
<b>25.310.2000</b>	<b>Copper Pipe Installation Material: (Size:%)</b>		
<b>25.310.2001</b>	<b>In case of connection with threaded fittings, the cost of installation material; (Measure: %)</b> In case copper pipes are connected by having their mouths widened and sealed with threaded fittings, the following percentage of the installed pipe cost shall be taken:	% 20	
25.310.2002	<b>Cost of fittings in case of welded with phosphorus copper alloy (Unit: %)</b> In order to weld copper pipes to non-copper pipes or fittings, if they are welded with phosphorus copper alloy, the following percentage of the installed pipe cost shall be taken:	% 25	
25.310.2003	<b>Cost of material in case of welded with silver-copper alloy (Unit: %)</b> In case the copper pipes are widened on one side and the bell mouth is formed, one is slipped into the other as necessary and the amount of the assembled pipe is used if copper-silver alloy is used, the following percentage of the installed pipe cost shall be taken. NOTE: The above mentioned prices are for electrolytic (soft) copper pipes.	% 30	

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.312.1100</b>	<b>Drain Check Valve (Unit: Qty.)</b> The supply to the work site and installation of the drain check valve to prevent water back flow from wash basin, shower or bathtub in horizontal or vertical positions, suitable for drain lines, with polypropylene body and cleaning section.		
25.312.1101	For sink; Ø50 mm	25,90	3,43
25.312.1102	Horizontal type; Ø50 mm	24,10	3,43
25.312.1103	Horizontal type; Ø75 mm	27,85	5,15
25.312.1104	Vertical type; Ø50 mm	24,10	3,43
25.312.1105	Vertical type; Ø75 mm	27,85	5,15
<b>25.312.1200</b>	<b>Manhole Flap (Unit: Qty.)</b> The supply to the work site and installation of drain check valves manufactured in compliance with the standard EN 13564-1: Flood Prevention Equipment For Buildings for use in the drain and rain water systems, with flap or lock, mounted to the end of the pipes inside the sumps/septic tanks to prevent rats, vermin and stench from entering the buildings' installations, resistant against rat gnaws, self-closing stainless steel flap, ABS housing, with hand operated locking system and easy opening cleaning hatch with butterfly screws.		
25.312.1201	Flap type; Ø100 mm	52,95	4,86
25.312.1202	Flap type; Ø125 mm	62,23	6,59
25.312.1203	Flap type; Ø160 mm	76,94	7,26
25.312.1204	Flap type; Ø200 mm	137,74	8,29
25.312.1205	Flap type with lock; Ø100 mm	56,36	4,86
25.312.1206	Flap type with lock; Ø125 mm	63,94	6,59
25.312.1207	Flap type with lock; Ø160 mm	84,23	7,26
25.312.1208	Flap type with lock; Ø200 mm	140,00	8,29
<b>25.312.2100</b>	<b>VENT PIPE AND COWL: (Unit: Qty.):</b> Supply to the work site and installation of a plastic vent pipe and cowl that protrudes min 0.50-m from the roofing, for installation on waste water pipes extending from the ceiling to the roofing through the garret.		
25.312.2101	Ø70 mm	19,39	5,39
25.312.2102	Ø100 mm	28,20	7,20
25.312.2103	Ø125 mm	35,98	7,98
<b>25.312.2200</b>	<b>Automatic waste water vent stack (Unit: Qty.)</b> Supply, installation and delivery in working order of a class A1 automatic vent cowl used at spots not available for ventilation shafts, which balances negative pressure, contains an odor-proof check valve, operates at temperatures from -20°C to +60 °C, released with a CE marking.		
25.312.2201	Automatic Waste Water Vent Stack, max. Ø50 mm (including Ø50 mm)	113,00	13,70
25.312.2202	Automatic Waste Water Vent Stack, max. Ø100 mm (including Ø100 mm)	180,66	13,70

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.320.1000</b>	<b>COLD OR HOT WATER VALVES: (Unit: Qty.)</b> The supply to the work site and on-site installation of the valves in compliance with the Directive 2014/68/ABon Pressure Equipment, to be used as a cut-off element in cold or hot water installations, made of the brass or cast iron, water tight threaded or flanged gate valve and ball valve with drain and with valve seals.		
<b>25.320.1100</b>	<b>Gate and globe valves; with brass screw, made with press according to (TS EN 12288), without vent;</b>		
25.320.1101	Ø15 mm (1/2")	26,75	8,58
25.320.1102	Ø20 mm (3/4")	30,40	9,43
25.320.1103	Ø25 mm (1")	47,25	12,45
25.320.1104	Ø32 mm (1¼")	75,11	14,18
25.320.1105	Ø40 mm (1½")	97,11	15,03
25.320.1106	Ø50 mm (2")	148,66	16,16
<b>25.320.1200</b>	<b>Gate Valve, cast iron, flanged, PN 6-10;</b> The supply to the work site and installation in its designated location of the gate valves in compliance with the Directive 2014/68/ABon Pressure Equipment, CE certified, in compliance with the Standard TS EN 1171, housing, cap, hand wheel nodular or cast iron, bolt nodular cast iron, spindle stainless steel, with EPDM or NBR seal, PN 6-10 pressure class.		
25.320.1201	Ø40 mm	271,98	23,75
25.320.1202	Ø50 mm	313,69	28,88
25.320.1203	Ø65 mm	373,44	30,60
25.320.1204	Ø80 mm	453,11	41,11
25.320.1205	Ø100 mm	568,16	46,00
25.320.1206	Ø125 mm	775,64	49,43
25.320.1207	Ø150 mm	949,76	56,28
25.320.1208	Ø200 mm	1.553,48	73,69
25.320.1209	Ø250 mm	2.528,36	80,83
25.320.1210	Ø300 mm	3.171,25	84,25
25.320.1211	Ø350 mm	4.406,80	87,10
25.320.1212	Ø400 mm	5.890,66	105,53
25.320.1213	Ø500 mm	10.355,81	119,65
25.320.1214	Ø600 mm	11.180,54	126,94
<b>25.320.1300</b>	<b>Gate Valve, cast iron, flanged, PN 16;</b> In compliance with the TS EN 1171, other features are the same as 25.320.1200.		
25.320.1301	Ø40 mm	309,80	24,19
25.320.1302	Ø50 mm	352,73	28,88
25.320.1303	Ø65 mm	428,81	30,60
25.320.1304	Ø80 mm	514,05	41,11
25.320.1305	Ø100 mm	611,16	46,00
25.320.1306	Ø125 mm	875,36	49,43
25.320.1307	Ø150 mm	1.076,89	56,28
25.320.1308	Ø200 mm	1.761,11	73,69
25.320.1309	Ø250 mm	2.933,36	80,83
25.320.1310	Ø300 mm	3.890,54	84,25
25.320.1311	Ø350 mm	5.326,61	89,06
25.320.1312	Ø400 mm	7.142,91	105,53

Joint Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.320.1313	Ø500 mm	12.560,10	119,65
25.320.1314	Ø600 mm	13.560,81	126,94
<b>25.320.1400</b>	<b>Ball valve with drain (column tap); brass, screw, press-made, in compliance with TS 15 EN 1213, with drainage</b>		
25.320.1401	Ø15 mm (1/2")	34,98	10,75
25.320.1402	Ø20 mm (3/4")	42,09	11,60
25.320.1403	Ø25 mm (1")	60,23	12,45
25.320.1404	Ø32 mm (1¼")	101,20	14,18
25.320.1405	Ø40 mm (1½")	135,33	15,03
25.320.1406	Ø50 mm (2")	188,70	15,88
<b>25.320.2000</b>	<b>BALL VALVES (TS 3148)</b> The supply to the work site and on-site installation in its designated location of ball valves , in compliance with the Directive 2014/68/ ABon Pressure Equipment, with brass cut-off element, cast iron or stainless steel body, threaded, wafer, lug or flange, flow controlled by a ball, hand operated.		
<b>25.320.2100</b>	<b>Brass, Teflon (PTFE) gasket made in press, full bore, threaded;</b>		
25.320.2101	Ø15 mm (1/2")	25,23	8,58
25.320.2102	Ø20 mm (3/4")	31,51	9,43
25.320.2103	Ø25 mm (1")	45,69	10,28
25.320.2104	Ø32 mm (1¼")	72,34	12,00
25.320.2105	Ø40 mm (1½")	96,38	12,85
25.320.2106	Ø50 mm (2")	139,41	13,70
<b>25.320.2200</b>	<b>PN 16, nodular cast iron body, stainless steel ball, with Teflon seal, full bore, wafer or lug connection;</b>		
25.320.2201	Ø40 mm	200,01	21,73
25.320.2202	Ø50 mm	249,99	26,85
25.320.2203	Ø65 mm	337,98	28,58
25.320.2204	Ø80 mm	479,45	40,55
25.320.2205	Ø100 mm	664,28	43,98
<b>25.320.2300</b>	<b>PN 10-16, cast iron body, stainless steel ball, full bore, stainless steel or teflon plate spring reinforced, two-piece, flanged;</b>		
25.320.2301	Ø40 mm	171,96	21,73
25.320.2302	Ø50 mm	210,89	26,85
25.320.2303	Ø65 mm	278,81	28,58
25.320.2304	Ø80 mm	390,08	40,55
25.320.2305	Ø100 mm	480,93	43,98
25.320.2306	Ø125 mm	792,81	47,40
<b>25.320.2400</b>	<b>PN 10-16, cast iron body, stainless steel ball, full bore, stainless steel or Teflon plate spring reinforced, three-piece, threaded;</b>		
25.320.2401	Ø15 mm (1/2")	88,19	10,01
25.320.2402	Ø20 mm (3/4")	97,59	10,86
25.320.2403	Ø25 mm (1")	120,26	11,71
25.320.2404	Ø32 mm(1¼")	144,09	13,44
25.320.2405	Ø40 mm(1½")	186,49	14,29
25.320.2406	Ø50 mm (2")	246,78	15,14



**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.320.2500</b>	<b>PN 10-16, cast iron body, stainless steel ball, full bore, stainless steel or teflon plate spring reinforced, three-piece, flanged;</b>		
25.320.2501	Ø15 mm	121,51	11,71
25.320.2502	Ø20 mm	147,86	14,88
25.320.2503	Ø25 mm	169,34	16,58
25.320.2504	Ø32 mm	216,36	18,30
25.320.2505	Ø40 mm	266,18	22,16
25.320.2506	Ø50 mm	364,18	26,85
25.320.2507	Ø65 mm	472,16	28,58
25.320.2508	Ø80 mm	653,98	39,09
25.320.2509	Ø100 mm	873,84	43,98
25.320.2510	Ø125 mm	1.305,14	47,40
25.320.2511	Ø150 mm	2.209,59	54,25
25.320.2512	Ø200 mm	3.797,08	71,66
25.320.2513	Ø250 mm	5.800,45	78,80
<b>25.320.2600</b>	<b>PN 25-40, stainless steel body and ball, full bore, stainless steel or teflon plate spring reinforced, three-piece, flanged;</b>		
25.320.2601	Ø15 mm (1/2")	137,04	10,01
25.320.2602	Ø20 mm (3/4")	167,94	10,86
25.320.2603	Ø25 mm (1")	220,95	11,71
25.320.2604	Ø32 mm (1¼")	295,51	13,44
25.320.2605	Ø40 mm (1½")	393,60	14,29
25.320.2606	Ø50 mm (2")	545,28	15,14
<b>25.320.2700</b>	<b>PN 25-40, flanged, other specifications the same as in item 25.320.2600.</b>		
25.320.2701	Ø15 mm Flanged	257,96	14,88
25.320.2702	Ø20 mm Flanged	305,54	16,58
25.320.2703	Ø25 mm Flanged	368,56	18,30
25.320.2704	Ø32 mm Flanged	471,35	21,73
25.320.2705	Ø40 mm Flanged	560,28	28,29
25.320.2706	Ø50 mm Flanged	751,86	30,01
25.320.2707	Ø65 mm Flanged	1.073,76	43,43
25.320.2708	Ø80 mm Flanged	1.385,55	46,85
25.320.2709	Ø100 mm Flanged	2.115,96	51,71
25.320.2710	Ø125 mm Flanged	2.582,38	58,56
25.320.2711	Ø150 mm Flanged	4.094,25	78,56
25.320.2712	Ø200 mm Flanged	6.312,04	86,85
<b>25.320.3000</b>	<b>NATURAL GAS BALL VALVES (TS EN 331)</b> The supply to the work site and installation in its designated location of the ball valves manufactured in compliance with Directive 2014/68/ABon Construction Equipment, CE certified, MOP at working pressure between 5-20 bar, with brass cutter for use in natural gas installations, brass or nodular cast iron body, threaded or flanged, the flow is controlled by a sphere, stainless steel ball, manual opening and closing.		
<b>25.320.3100</b>	<b>Brass, Teflon gasket made in press, full bore;</b>		
25.320.3101	Ø15 mm (1/2") Threaded	25,13	10,01
25.320.3102	Ø20 mm (3/4") Threaded	30,93	10,86

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.320.3103	Ø25 mm (1") Threaded	44,60	11,71
25.320.3104	Ø32 mm (1¼") Threaded	73,01	13,44
25.320.3105	Ø40 mm (1½") Threaded	96,59	14,29
25.320.3106	Ø50 mm (2") Threaded	136,80	15,14
<b>25.320.3200</b>	<b>Nodular cast iron or cast steel body, stainless steel ball, stainless steel or Teflon plate spring reinforced, full bore, three-piece, flanged;</b>		
25.320.3201	Ø15 mm	144,84	11,71
25.320.3202	Ø20 mm	179,84	14,88
25.320.3203	Ø25 mm	214,88	16,58
25.320.3204	Ø32 mm	273,03	18,30
25.320.3205	Ø40 mm	336,60	22,16
25.320.3206	Ø50 mm	454,58	26,85
<b>25.320.3300</b>	<b>Natural Gas Ball Valves (TS 9809)</b> The supply to the work site and on-site installation in its designated location of the valves at PN16 - PN25 - PN40 working pressure, in compliance with TS 9809 to be used in natural gas installations, nodular or cast steel body, stainless steel ball, stainless steel Teflon plate spring reinforced gasket, full bore, flanged.		
25.320.3301	Ø65 mm	564,96	28,58
25.320.3302	Ø80 mm	808,16	39,09
25.320.3303	Ø100 mm	1.105,16	43,98
25.320.3304	Ø125 mm	1.726,05	47,40
25.320.3305	Ø150 mm	3.009,69	54,25
25.320.3306	Ø200 mm	5.077,84	71,66
25.320.3307	Ø250 mm	8.658,59	78,80
<b>25.320.4100</b>	<b>LEVER OPERATED BUTTERFLY VALVES (PN 10-16) (TS EN 593 + A1)</b> The supply to the work site and on-site installation in its designated location of butterfly valves in compliance with the Directive 2014/68/ ABon Pressure Equipment, for use for hot and cold water (0°C + 110°C), air, all anticorrosion fluids, (GG-25) cast iron body, nodular cast iron, polyamide derived materials or stainless steel flap (disc), two flange clamping type, without sealing gasket and providing sealing with EPDM self seal, with locking mechanism which prevents it from interfering.		
25.320.4101	Ø50 mm	173,99	26,85
25.320.4102	Ø65 mm	192,60	28,58
25.320.4103	Ø80 mm	254,83	39,09
25.320.4104	Ø100 mm	331,61	43,98
25.320.4105	Ø125 mm	456,55	47,40
25.320.4106	Ø150 mm	513,74	50,83
25.320.4107	Ø200 mm	835,55	65,78
25.320.4108	Ø250 mm	1.322,20	71,66
25.320.4109	Ø300 mm	2.049,74	84,69
25.320.4110	Ø350 mm	3.756,39	96,08
25.320.4111	Ø400 mm	6.148,24	106,35

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.320.4112	Ø500 mm	10.214,51	123,48
<b>25.320.5000</b>	<b>SUPER HEATED WATER STEAM VALVES (Unit: Qty.)</b> The supply and on-site installation of the super heated water of steam valves in compliance with 2014/68/ABPressure Equipment Directive, gate, globe or piston type, cast iron, nodular graphite cast iron, cast steel or cast stainless steel body, valve stem, valve, seat, piston and gate made of stainless steel.		
<b>25.320.5100</b>	<b>PN 16 Super Heated Water and Steam Valves; cast iron body, globe type, valve stem, valve and seat made of stainless steel, with flanged connection;</b>		
25.320.5101	Ø15 mm Flanged	175,23	14,88
25.320.5102	Ø20 mm Flanged	194,60	16,58
25.320.5103	Ø25 mm Flanged	230,05	18,30
25.320.5104	Ø32 mm Flanged	293,19	20,00
25.320.5105	Ø40 mm Flanged	356,79	22,16
25.320.5106	Ø50 mm Flanged	407,20	26,85
25.320.5107	Ø65 mm Flanged	597,61	28,58
25.320.5108	Ø80 mm Flanged	782,53	39,09
25.320.5109	Ø100 mm Flanged	1.090,21	43,98
25.320.5110	Ø125 mm Flanged	1.550,18	47,40
25.320.5111	Ø150 mm Flanged	2.060,78	54,25
25.320.5112	Ø200 mm Flanged	3.658,25	71,66
25.320.5113	Ø250 mm Flanged	8.060,93	78,80
<b>25.320.5200</b>	<b>PN 16 Super Heated Water and Steam Valves; piston type, cast iron body, with threaded or flanged connection;</b>		
25.320.5201	Ø15 mm Threaded Flanged	137,95	14,88
25.320.5202	Ø20 mm Threaded Flanged	170,25	16,58
25.320.5203	Ø25 mm Threaded Flanged	204,59	18,30
25.320.5204	Ø32 mm Threaded Flanged	300,95	20,00
25.320.5205	Ø40 mm Threaded Flanged	375,54	22,16
25.320.5206	Ø50 mm Threaded Flanged	504,41	26,85
25.320.5207	Ø65 mm Flanged	706,81	28,58
25.320.5208	Ø80 mm Flanged	900,93	39,09
25.320.5209	Ø100 mm Flanged	1.178,76	43,98
<b>25.320.5300</b>	<b>PN 25-40 Super Heated Water and Steam Valves; piston type, cast steel or GGG 40 nodular cast iron body, with threaded or flanged connection;</b>		
25.320.5301	Ø15 mm Threaded Flanged	220,64	16,58
25.320.5302	Ø20 mm Threaded Flanged	272,21	18,30
25.320.5303	Ø25 mm Threaded Flanged	330,63	20,00
25.320.5304	Ø32 mm Threaded Flanged	458,73	22,16
25.320.5305	Ø40 mm Threaded Flanged	611,38	26,85
25.320.5306	Ø50 mm Threaded Flanged	776,16	28,58
<b>25.320.5400</b>	<b>PN 25-40 Super Heated Water and Steam Valves; cast steel or GGG 40 nodular cast iron body, globe type, valve stem, valve and seat made of stainless steel, with flanged connection;</b>		
25.320.5401	Ø15 mm Flanged	239,60	16,58
25.320.5402	Ø20 mm Flanged	267,40	18,30

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.320.5403	Ø25 mm Flanged	321,08	20,00
25.320.5404	Ø32 mm Flanged	391,81	22,16
25.320.5405	Ø40 mm Flanged	470,45	26,85
25.320.5406	Ø50 mm Flanged	571,56	28,58
25.320.5407	Ø65 mm Flanged	861,24	43,43
25.320.5408	Ø80 mm Flanged	1.073,04	46,85
25.320.5409	Ø100 mm Flanged	1.491,44	51,71
25.320.5410	Ø125 mm Flanged	2.239,54	58,56
25.320.5411	Ø150 mm Flanged	2.929,29	78,56
25.320.5412	Ø200 mm Flanged	5.247,85	86,85
25.320.5413	Ø250 mm Flanged	11.150,31	90,28
25.320.5414	Ø300 mm Flanged	14.007,83	93,70
<b>25.320.5500</b>	<b>PN 16 Balance Piston, Super Heated Water and Steam Valves;</b> The supply to the work site and installation in its designated location of balance piston valves with GG25 cast iron body, heavy and continuous operating conditions, designed as such that in the moment of opening and closing, the pressure on the piston is balanced in itself to provide easy opening and closing, stainless steel piston, two bodies for internal sealing, furnished a special ring as one set for sealing the cover, two sets for the shaft sealing, connection with wheel provided with piston shaft, cover and pressure nuts with high heat resistant disc-shaped springs, used for hot water, super heated water, steam and other fluids.		
25.320.5501	Ø65 mm Flanged	994,80	30,01
25.320.5502	Ø80 mm Flanged	1.250,60	43,43
25.320.5503	Ø100 mm Flanged	1.635,26	46,85
25.320.5504	Ø125 mm Flanged	2.490,54	51,71
25.320.5505	Ø150 mm Flanged	3.150,03	58,56
25.320.5506	Ø200 mm Flanged	4.867,99	78,56
<b>25.320.5600</b>	<b>PN 25-40 Balance Piston Super Heated Water and Steam Valves; GSC-25 cast steel or GGG 40 nodular cast iron body, other features same as item 25.320.5500.</b>		
25.320.5601	Ø65 mm Flanged	1.029,81	43,43
25.320.5602	Ø80 mm Flanged	1.355,80	46,85
25.320.5603	Ø100 mm Flanged	1.762,79	51,71
25.320.5604	Ø125 mm Flanged	2.775,09	58,56
25.320.5605	Ø150 mm Flanged	3.529,91	78,56
25.320.5606	Ø200 mm Flanged	5.586,05	86,85
<b>25.320.6100</b>	<b>Metal Bellow Globe Valve (PN-16)</b> Supply to the work site and on-site installation of the valves with cast iron body, stainless steel metal bellows, stainless steel valve stem, valve and seat, with flange.		
25.320.6101	Ø15 mm Flanged	308,51	11,71
25.320.6102	Ø20 mm Flanged	354,94	14,88
25.320.6103	Ø25 mm Flanged	435,80	16,58
25.320.6104	Ø32 mm Flanged	499,96	18,30
25.320.6105	Ø40 mm Flanged	591,61	22,16
25.320.6106	Ø50 mm Flanged	662,24	26,85
25.320.6107	Ø65 mm Flanged	1.010,33	28,58
25.320.6108	Ø80 mm Flanged	1.185,21	39,09

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.320.6109	Ø100 mm Flanged	1.637,48	43,98
25.320.6110	Ø125 mm Flanged	2.343,46	47,40
25.320.6111	Ø150 mm Flanged	3.084,63	54,25
25.320.6112	Ø200 mm Flanged	5.817,39	71,66
25.320.6113	Ø250 mm Flanged	11.689,16	78,80
<b>25.320.6200</b>	<b>Metal Bellow Globe Valve (PN 25-40)</b> Supply to the work site and on-site installation of a cast steel or nodular cast iron GGG 40 body, valves with stainless steel metal bellows, stainless steel valve stem, valve and seat, with flange.		
25.320.6201	Ø15 mm Flanged	438,93	14,88
25.320.6202	Ø20 mm Flanged	489,11	16,58
25.320.6203	Ø25 mm Flanged	550,66	18,30
25.320.6204	Ø32 mm Flanged	638,80	22,16
25.320.6205	Ø40 mm Flanged	752,14	26,85
25.320.6206	Ø50 mm Flanged	874,30	28,58
25.320.6207	Ø65 mm Flanged	1.309,20	39,09
25.320.6208	Ø80 mm Flanged	1.572,36	43,98
25.320.6209	Ø100 mm Flanged	2.185,34	47,40
25.320.6210	Ø125 mm Flanged	3.126,44	54,25
25.320.6211	Ø150 mm Flanged	4.395,76	71,66
25.320.6212	Ø200 mm Flanged	6.797,33	78,80
<b>25.320.7000</b>	<b>BALANCE VALVES (Unit: Qty., Materials on construction site: 80%)</b> The installation, adjustment and delivery in working order of the balancing valve to be used in heating, cooling, HVAC and hot water installations, with two measuring points, preset value readable on two scales (main setting/precise setting scales) located on one side of the wheel, with a measurement chamber enabling the water reach the measuring point by turning around the valve stem, with two measuring points for the measurement of flow rate, pressure difference and temperature, having the feature to prevent the valve from opening at the set value and allowing the mounting of a seal.		
<b>25.320.7100</b>	<b>Static Balancing Valve; For heating, cooling and HVAC installations, threaded;</b> The installation, adjustment and the delivery in working order of the valves at PN 16-PN 25 pressure class, the body and head part made of cast bronze, the flap and stem made of brass material against zinc formation, flap with PTFE joint, the stem sealed with double O-ring.		
25.320.7101	Ø15 mm (1/2")	161,69	16,86
25.320.7102	Ø20 mm (3/4")	185,75	21,73
25.320.7103	Ø25 mm (1")	226,78	28,58
25.320.7104	Ø32 mm (1¼")	309,70	37,13
25.320.7105	Ø40 mm (1½")	373,18	45,70
25.320.7106	Ø50 mm (2")	542,10	54,25
<b>25.320.7200</b>	<b>Static Balancing Valve; For heating, cooling and HVAC installations, flanged;</b> The supply, installation, adjustment and the delivery of the valves at PN 16 pressure class, the body made of GG-25 cast iron and head part made of cast bronze, the stem and the valve flap made of brass material against zinc formation, flap with PTFE joint, flanged.		

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.320.7201	Ø65 mm	1.361,85	78,56
25.320.7202	Ø80 mm	1.662,69	86,85
25.320.7203	Ø100 mm	2.313,96	98,56
25.320.7204	Ø125 mm	3.165,18	105,41
25.320.7205	Ø150 mm	4.149,78	117,13
25.320.7206	Ø200 mm	9.053,54	137,13
25.320.7207	Ø250 mm	14.180,40	145,41
25.320.7208	Ø300 mm	20.036,13	157,13
<b>25.320.7300</b>	<b>Dynamic Balance Valve for heating, cooling and HVAC installations, threaded;</b> The supply, installation, adjustment and delivery in working order of the PN-16 class dynamic balance valves to be used in HVAC systems, with cast brass body, cartridge made of plastic based material, spring made of stainless steel material, including the flow measurement points, for Ø15 (1/2") and Ø20 (3/4") sizes threaded (internal screw), for Ø25 (1") - Ø40 (1½") sizes threaded (external screw) cartridge.		
25.320.7301	Ø15 mm (1/2")	211,71	11,71
25.320.7302	Ø20 mm (3/4")	293,24	21,73
25.320.7303	Ø25 mm (1")	383,46	30,01
25.320.7304	Ø32 mm (1¼")	538,84	40,00
25.320.7305	Ø40 mm (1½")	711,81	50,01
<b>25.320.7400</b>	<b>Dynamic Balancing Valve; For heating, cooling and HVAC installations, wafer type;</b> The installation, adjustment and delivery in working order of the dynamic balance valve for use in the HVAC systems, with nodular cast iron body, the cartridge made of 304 stainless steel, with flow metering points, PN-16 class, flanged type, with cartridge		
25.320.7401	Ø50 mm	1.024,80	58,56
25.320.7402	Ø65 mm	1.747,09	78,56
25.320.7403	Ø80 mm	1.822,14	86,85
25.320.7404	Ø100 mm	3.116,59	98,56
25.320.7405	Ø125 mm	4.395,60	105,41
25.320.7406	Ø150 mm	6.010,85	117,13
25.320.7407	Ø200 mm	9.082,43	137,13
25.320.7408	Ø250 mm	13.800,64	145,41
25.320.7409	Ø300 mm	18.487,94	157,13
<b>25.320.8000</b>	<b>PRESSURE REDUCING VALVES: (Unit: Qty.)</b> The supply to the work site, installation in its designed location, adjustment and delivery in working order of the pressure reducing valves for water, steam and other non-flammable gases, to be selected according to the flow rate and temperature for the inlet and outlet pressures given in the approved project the body of the cast iron or steel, shaft and housing contact surfaces of bronze or stainless steel, flanges appropriate for the pressure, in case of change in the demand for inlet pressure and flow, the pressure reducing valve shall keep the output pressure at the set values with precision.		
<b>25.320.8100</b>	<b>Pressure Reducing Valve for water;</b>		
25.320.8101	Ø15 mm Threaded (1/2")	125,86	11,71
25.320.8102	Ø20 mm Threaded (3/4")	139,38	14,88

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.320.8103	Ø25 mm Threaded (1")	196,19	16,58
25.320.8104	Ø32 mm Threaded (1¼")	284,15	18,30
25.320.8105	Ø40 mm Threaded (1½")	379,71	22,16
25.320.8106	Ø50 mm Threaded (2")	498,01	26,85
25.320.8107	Ø65 mm Threaded or Flanged	667,66	28,58
25.320.8108	Ø80 mm Threaded or Flanged	848,34	39,09
25.320.8109	Ø100 mm Threaded or Flanged	908,33	43,98
25.320.8110	Ø125 mm Threaded or Flanged	1.075,46	47,40
25.320.8111	Ø150 mm Threaded or Flanged	1.666,31	54,25
<b>25.320.8200</b>	<b>Pressure Reducing Valve, for steam, PN 16, flanged;</b>		
25.320.8201	Ø15 mm	693,34	11,71
25.320.8202	Ø20 mm	748,91	14,88
25.320.8203	Ø25 mm	803,74	16,58
25.320.8204	Ø32 mm	1.025,06	18,30
25.320.8205	Ø40 mm	1.148,06	22,16
25.320.8206	Ø50 mm	1.259,40	26,85
25.320.8207	Ø65 mm	3.272,29	28,58
25.320.8208	Ø80 mm	3.318,04	39,09
25.320.8209	Ø100 mm	4.209,64	43,98
<b>25.320.8300</b>	<b>For the pressure reducing valve, the installed unit prices for PN 25 flanged steam valve item 25.320.8200 are increased by 25% without increasing the installation costs</b>		
25.320.9100	<b>THERMOSTATIC MIXTURE VALVE (Unit: Qty.) (TS EN 1111)</b> The supply to the work site and installation in its designated location of thermostatic mixture valves keeping the water temperature at the set value between 20-60 C, equipped with a safety button at 38 C against scalding, having a check valve that completely cuts off the water for safety in case of sudden changes in the amount and pressure of hot or cold water, having no opening and closing mechanism and making only mixtures.		
25.320.9101	Ø15 mm (1/2")	240,16	13,70
25.320.9102	Ø20 mm (3/4")	276,25	17,13
<b>25.320.9200</b>	<b>Float Type Level Control Valve, PN16, flanged; (Unit: Qty.)</b> The supply to the work site, on-site installation and delivery in working order of the level control valves in compliance with the Directive (97/23/EC) on Pressure Equipment, body and cover made of cast iron or nodular cast iron, to be mounted horizontally or vertically, controlling the water level in the storage vessels or reservoirs, complete with the body, float, necessary equipment features to transmit the float movements to the valve's control section.		
25.320.9201	Ø50 mm	1.160,23	26,85
25.320.9202	Ø65 mm	1.337,98	28,58
25.320.9203	Ø80 mm	1.684,88	39,09
25.320.9204	Ø100 mm	1.916,03	43,98

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.325.1000</b>	<b>SILT TRAPS (TS 11494): (Unit: Qty.)</b> The supply to the work site and installation of flanged or threaded type silt traps for use in the liquid, steam and gas systems, body made of brass, bronze, nodular cast iron, cast iron or steel, the filter element made of brass or stainless steel, filter easy to remove and clean. Note: Filter sensitivity: To be selected not to pass particles larger than 500 µm (0.5 mm) up to DN 20, larger than 700 µm (0.7 mm) up to DN 50, parts larger than 1200 µm (1.2 mm) DN 150.		
<b>25.325.1100</b>	<b>Silt traps PN-16 for steam, die casting screw</b>		
25.325.1101	Ø15 mm (1/2")	21,53	8,58
25.325.1102	Ø20 mm (3/4")	28,11	9,43
25.325.1103	Ø25 mm (1")	38,49	10,28
25.325.1104	Ø32 mm (1¼")	63,03	12,00
25.325.1105	Ø40 mm (1½")	77,30	12,85
25.325.1106	Ø50 mm (2")	117,95	13,70
<b>25.325.1200</b>	<b>Silt traps PN-16 for steam and hot water, cast iron body, diameters bigger than Ø65 reinforced, stainless steel filter element, threaded or flanged</b>		
25.325.1201	Ø15 mm Threaded or Flanged	68,58	11,71
25.325.1202	Ø20 mm Threaded or Flanged	89,21	14,88
25.325.1203	Ø25 mm Threaded or Flanged	116,74	16,58
25.325.1204	Ø32 mm Threaded or Flanged	143,63	18,30
25.325.1205	Ø40 mm Threaded or Flanged	171,15	22,16
25.325.1206	Ø50 mm Threaded or Flanged	218,34	26,85
25.325.1207	Ø65 mm Flanged	298,54	28,58
25.325.1208	Ø80 mm Flanged	393,93	39,09
25.325.1209	Ø100 mm Flanged	518,34	43,98
25.325.1210	Ø125 mm Flanged	791,09	47,40
25.325.1211	Ø150 mm Flanged	1.078,24	54,25
25.325.1212	Ø200 mm Flanged	1.878,79	71,66
25.325.1213	Ø250 mm Flanged	4.135,51	78,80
25.325.1214	Ø300 mm Flanged	5.514,36	89,94
<b>25.325.1300</b>	<b>Silt traps PN 25-40 stainless steel body, stainless steel filter element, diameters bigger than Ø65 reinforced, threaded or flanged</b>		
25.325.1301	Ø15 mm Threaded or Flanged	142,25	14,88
25.325.1302	Ø20 mm Threaded or Flanged	178,88	16,58
25.325.1303	Ø25 mm Threaded or Flanged	237,75	18,30
25.325.1304	Ø32 mm Threaded or Flanged	289,63	22,16
25.325.1305	Ø40 mm Threaded or Flanged	338,58	26,85
25.325.1306	Ø50 mm Threaded or Flanged	471,11	28,58
25.325.1307	Ø65 mm Flanged	866,49	39,09
25.325.1308	Ø80 mm Flanged	1.101,38	43,98



**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.325.1309	Ø100 mm Flanged	1.387,89	47,40
25.325.1310	Ø125 mm Flanged	2.105,94	54,25
25.325.1311	Ø150 mm Flanged	2.737,65	71,66
25.325.1312	Ø200 mm Flanged	4.126,04	78,80
<b>25.325.1400</b>	<b>Silt traps PN 25-40, for steam and super heated water, cast steel or nodular cast iron body, stainless steel filter element, reinforced, threaded or flanged</b>		
25.325.1401	Ø15 mm Threaded or Flanged	119,23	14,88
25.325.1402	Ø20 mm Threaded or Flanged	151,43	16,58
25.325.1403	Ø25 mm Threaded or Flanged	181,56	18,30
25.325.1404	Ø32 mm Threaded or Flanged	235,59	22,16
25.325.1405	Ø40 mm Threaded or Flanged	279,26	26,85
25.325.1406	Ø50 mm Threaded or Flanged	364,01	28,58
25.325.1407	Ø65 mm Flanged	551,19	39,09
25.325.1408	Ø80 mm Flanged	717,53	43,98
25.325.1409	Ø100 mm Flanged	979,09	47,40
25.325.1410	Ø125 mm Flanged	1.452,84	54,25
25.325.1411	Ø150 mm Flanged	2.047,76	71,66
<b>25.325.2000</b>	<b>CHECK VALVES (for hot and cold water); (TS EN 1074-3) (Unit: Qty)</b> The supply to the work site and on-site installation of check valves for use in hot and cold water installations, with brass, die cast or cast iron body, operating in horizontal or vertical position, hinged or seated flap or ball type.		
<b>25.325.2100</b>	<b>Brass die casting, threaded;</b>		
25.325.2101	Ø15 mm (1/2")	22,59	8,58
25.325.2102	Ø20 mm (3/4")	28,89	9,43
25.325.2103	Ø25 mm (1")	37,89	10,28
25.325.2104	Ø32 mm (1¼")	56,65	12,00
25.325.2105	Ø40 mm (1½")	74,03	12,85
25.325.2106	Ø50 mm (2")	99,45	13,70
<b>25.325.2200</b>	<b>Cast iron body, threaded or flanged;</b>		
25.325.2201	Ø15 mm (1/2") Threaded or Flanged	121,59	11,71
25.325.2202	Ø20 mm (3/4") Threaded or Flanged	150,13	14,88
25.325.2203	Ø25 mm (1") Threaded or Flanged	182,56	16,58
25.325.2204	Ø32 mm (1¼") Threaded or Flanged	233,31	18,30
25.325.2205	Ø40 mm (1½") Threaded or Flanged	272,13	22,16
25.325.2206	Ø50 mm (2") Threaded or Flanged	347,54	26,85
<b>25.325.2300</b>	<b>Cast iron body, flanged;</b>		
25.325.2301	Ø65 mm	404,93	28,58
25.325.2302	Ø80 mm	506,05	39,09
25.325.2303	Ø100 mm	658,34	43,98
25.325.2304	Ø125 mm	955,15	47,40
25.325.2305	Ø150 mm	1.273,51	54,25

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.325.3000</b>	<b>CHECK VALVES (for steam and super heated water); (TS EN 12334) (Unit: Qty.)</b> The supply and on-site installation at the places specified in the design of check valves manufactured in compliance with the Directive (97/23/EC) on Pressure Equipment with brass, cast iron, steel or stainless steel body according to the place of use and the pressure and temperature, brass, cast iron, steel or stainless steel body; of hinged or seated type, with flap or compression spring type.		
<b>25.325.3100</b>	<b>Cast iron body, flapper ring screwed to the body and replaceable, threaded or flanged; PN 16;</b>		
25.325.3101	Ø15 mm	115,15	11,71
25.325.3102	Ø20 mm	127,13	14,88
25.325.3103	Ø25 mm	146,80	16,58
25.325.3104	Ø32 mm	170,88	18,30
25.325.3105	Ø40 mm	209,30	22,16
25.325.3106	Ø50 mm	265,08	26,85
25.325.3107	Ø65 mm	381,80	28,58
25.325.3108	Ø80 mm	487,94	39,09
25.325.3109	Ø100 mm	703,18	43,98
25.325.3110	Ø125 mm	938,79	47,40
25.325.3111	Ø150 mm	1.410,01	54,54
25.325.3112	Ø200 mm	2.432,96	71,95
25.325.3113	Ø250 mm	3.895,15	78,80
<b>25.325.3200</b>	<b>Check Valve; cast iron body, with compression spring and valve, threaded or flanged, PN 16;</b>		
25.325.3201	Ø15 mm Threaded or Flanged	139,76	11,71
25.325.3202	Ø20 mm Threaded or Flanged	159,65	14,88
25.325.3203	Ø25 mm Threaded or Flanged	184,33	16,58
25.325.3204	Ø32 mm Threaded or Flanged	225,50	18,30
25.325.3205	Ø40 mm Threaded or Flanged	257,44	22,16
25.325.3206	Ø50 mm Threaded or Flanged	337,48	26,85
25.325.3207	Ø65 mm Flanged	479,55	28,58
25.325.3208	Ø80 mm Flanged	612,74	39,09
25.325.3209	Ø100 mm Flanged	864,19	43,98
25.325.3210	Ø125 mm Flanged	1.293,70	47,40
25.325.3211	Ø150 mm Flanged	1.762,98	54,54
25.325.3212	Ø200 mm Flanged	2.895,04	71,95
25.325.3213	Ø250 mm Flanged	5.348,80	78,80
<b>25.325.3300</b>	<b>Check Valve; brass body, internals parts made of complete stainless steel(disco type, placed between flanges), PN 16;</b>		
25.325.3301	Ø15 mm	73,85	11,71
25.325.3302	Ø20 mm	84,40	14,88
25.325.3303	Ø25 mm	99,78	16,58
25.325.3304	Ø32 mm	158,11	18,30
25.325.3305	Ø40 mm	183,60	22,16
25.325.3306	Ø50 mm	253,70	26,85
25.325.3307	Ø65 mm	325,88	28,58
25.325.3308	Ø80 mm	437,30	39,09
25.325.3309	Ø100 mm	557,24	43,98

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.325.3400</b>	<b>Cast steel body, with compression spring and valve, with Teflon seat, threaded or flanged, PN 25-40;</b>		
25.325.3401	Ø15 mm Threaded or Flanged	198,20	14,88
25.325.3402	Ø20 mm Threaded or Flanged	221,19	16,58
25.325.3403	Ø25 mm Threaded or Flanged	262,35	18,30
25.325.3404	Ø32 mm Threaded or Flanged	340,99	22,16
25.325.3405	Ø40 mm Threaded or Flanged	409,39	26,85
25.325.3406	Ø50 mm Threaded or Flanged	541,79	28,58
25.325.3407	Ø65 mm Flanged	835,19	39,09
25.325.3408	Ø80 mm Flanged	1.097,31	43,98
25.325.3409	Ø100 mm Flanged	1.683,21	47,40
25.325.3410	Ø125 mm Flanged	2.487,81	54,54
25.325.3411	Ø150 mm Flanged	3.455,76	71,95
25.325.3412	Ø200 mm Flanged	5.179,89	78,80
25.325.3413	Ø250 mm Flanged	7.732,38	82,38
<b>25.327.1000</b>	<b>SAFETY DEVICES (TS EN ISO 4126-1, 4, 6, 7): (Unit: Qty.)</b> The delivery in working order of the safety devices manufactured in compliance with the Directive (97/23/EC) and released with TSE certificate of compliance, with the stainless steel stem, working without jamming, with all the adjustments done.		
<b>25.327.1100</b>	<b>Safety valve; brass, spring type, threaded, PN 16;</b>		
25.327.1101	Ø15 mm (1/2")	35,96	8,58
25.327.1102	Ø20 mm (3/4")	56,76	9,43
25.327.1103	Ø25 mm (1")	89,39	10,28
25.327.1104	Ø32 mm (1¼")	149,05	12,00
25.327.1105	Ø40 mm (1½")	181,44	12,85
25.327.1106	Ø50 mm (2")	236,84	13,70
<b>25.327.1200</b>	<b>Safety valve; cast iron, weight or spring actuated, slow (proportional) start, flanged, PN 16; (TSE certified)</b>		
25.327.1201	Ø32 mm	612,46	26,85
25.327.1202	Ø40 mm	777,13	28,58
25.327.1203	Ø50 mm	944,00	40,55
25.327.1204	Ø65 mm	1.498,36	43,98
25.327.1205	Ø80 mm	2.013,69	47,40
25.327.1206	Ø100 mm	2.763,79	54,54
<b>25.327.1300</b>	<b>Safety valve; cast iron body, weight or spring actuated, fast (full) start, flanged, PN 16; (TSE certified)</b>		
25.327.1301	Ø32 mm	631,78	26,85
25.327.1302	Ø40 mm	856,14	28,58
25.327.1303	Ø50 mm	1.061,10	40,55
25.327.1304	Ø65 mm	1.628,10	43,98
25.327.1305	Ø80 mm	2.116,91	47,40
25.327.1306	Ø100 mm	2.786,50	54,54

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.330.1000</b>	<b>EXPANSION JOINTS (Compensators): Axial type (bellows); (Unit: Qty.)</b> The installation and delivery in working order of the compensators with the bellows made of stainless steel or the body of cast iron according to the pressure and temperature selected in compliance with the data like operating pressures, temperatures, sizes, material types, elongation obtained from the approved project.		
<b>25.330.1100</b>	<b>Tubular expansion part: Can take 100 mm elongation. Cast iron PN 10 Flanged</b>		
25.330.1101	Ø40 mm	206,69	23,43
25.330.1102	Ø50 mm	244,04	33,70
25.330.1103	Ø65 mm	304,43	37,13
25.330.1104	Ø80 mm	352,19	40,55
25.330.1105	Ø100 mm	421,28	47,40
25.330.1106	Ø125 mm	484,93	59,11
25.330.1107	Ø150 mm	589,78	65,96
25.330.1108	Ø200 mm	837,09	72,81
<b>25.330.1200</b>	<b>Angular, lateral and axial moving expansion joints with bellows;</b> The supply, on-site installation and delivery in working order of the expansion joints made of special alloy stainless steel with bellows, angular, axial and lateral movement for use in steam, hot water, gas and fuel systems, with flange, welding neck, articulated and with limiters. (Operating temperature +425°C - 80°C) PN-16, 30 mm expansion		
25.330.1201	Ø40 mm	342,31	23,43
25.330.1202	Ø50 mm	384,68	33,70
25.330.1203	Ø65 mm	425,19	37,13
25.330.1204	Ø80 mm	491,20	40,55
25.330.1205	Ø100 mm	585,50	47,40
25.330.1206	Ø125 mm	706,49	59,11
25.330.1207	Ø150 mm	836,95	65,96
25.330.1208	Ø175 mm	917,34	69,39
25.330.1209	Ø200 mm	1.297,09	72,81
25.330.1210	Ø250 mm	1.879,10	76,24
25.330.1211	Ø300 mm	2.461,03	79,66
<b>25.330.1300</b>	<b>can take PN-16 60 mm elongation. For the expansion joints, the unit prices including installation at item 25.330.1200 are applied with an increase of 20%, the installation costs with no increase.</b>		
<b>25.330.1400</b>	<b>Axial type expansion joint with bellows;</b> The supply, on-site installation and delivery in working order of the expansion joints of stainless steel, bellows, special alloy, with two ends with thread connection, for use in steam hot water and heating circuits. (Operating temperature +425°C - 80°C) PN-16, 30 mm expansion		
25.330.1401	Ø15 mm	153,56	11,71
25.330.1402	Ø20 mm	186,28	14,88
25.330.1403	Ø25 mm	189,19	16,58
25.330.1404	Ø32 mm	201,88	20,00
25.330.1405	Ø40 mm	224,53	23,43
25.330.1406	Ø50 mm	264,26	35,14

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.330.2000</b>	<b>External pressure type, with stainless steel (AISI 304, 321, 316 Grade) Axial type expansion joint with bellows</b> The supply, on-site installation and delivery in working order of the welded neck flanged expansion joints with stainless steel bellows, axial movement, pipe mechanism preventing the outer part of the bellows' wall from being affected by the pressure, additionally having inner rings providing the guidance and limiters limiting the movements for the use with steam, super heated water, hot oil systems. (Operating temperature +425°C - 80°C) PN-16		
<b>25.330.2100</b>	<b>External pressure type, with stainless steel (AISI 304, 321, 316 Grade) bellows axial type expansion joint (compensator) with 30 mm expansion.</b>		
25.330.2101	Ø25 mm	420,53	23,43
25.330.2102	Ø32 mm	440,01	33,70
25.330.2103	Ø40 mm	472,66	33,70
25.330.2104	Ø50 mm	518,60	33,70
25.330.2105	Ø65 mm	610,88	37,13
25.330.2106	Ø80 mm	699,80	40,55
25.330.2107	Ø100 mm	846,24	47,40
25.330.2108	Ø125 mm	1.064,75	59,11
25.330.2109	Ø150 mm	1.313,35	69,39
25.330.2110	Ø200 mm	1.875,69	72,81
25.330.2111	Ø250 mm	2.574,96	76,24
25.330.2112	Ø300 mm	3.738,48	79,66
<b>25.330.2200</b>	<b>External pressure type, with stainless steel (AISI 304, 321, 316 Grade) bellows axial type expansion joint (compensator) with 60 mm expansion.</b>		
25.330.2201	Ø25 mm	508,73	23,43
25.330.2202	Ø32 mm	555,46	33,70
25.330.2203	Ø40 mm	602,94	33,70
25.330.2204	Ø50 mm	668,96	33,70
25.330.2205	Ø65 mm	763,10	37,13
25.330.2206	Ø80 mm	919,11	40,55
25.330.2207	Ø100 mm	1.059,35	47,40
25.330.2208	Ø125 mm	1.385,53	59,11
25.330.2209	Ø150 mm	1.716,51	69,39
25.330.2210	Ø200 mm	2.345,81	72,81
25.330.2211	Ø250 mm	3.330,63	76,24
25.330.2212	Ø300 mm	4.178,76	79,66
<b>25.330.2300</b>	<b>External pressure type, with stainless steel (AISI 304, 321, 316 Grade) bellows axial type expansion joint (compensator) with 90 mm expansion.</b>		
25.330.2301	Ø25 mm	564,69	23,43
25.330.2302	Ø32 mm	600,55	33,70
25.330.2303	Ø40 mm	644,64	33,70
25.330.2304	Ø50 mm	753,79	33,70
25.330.2305	Ø65 mm	898,16	37,13
25.330.2306	Ø80 mm	1.049,75	40,55
25.330.2307	Ø100 mm	1.253,79	47,40
25.330.2308	Ø125 mm	1.598,99	59,11

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.330.2309	Ø150 mm	1.907,50	69,39
25.330.2310	Ø200 mm	2.713,34	72,81
25.330.2311	Ø250 mm	3.759,55	76,24
25.330.2312	Ø300 mm	5.057,43	79,66
<b>25.330.3100</b>	<b>Angular, lateral, axial moving expansion joint with double bellows;</b> The supply, on-site installation and delivery in working order of the expansion joints made of special alloy stainless steel with double bellows (corrugated), angular, lateral and axial movement for use in steam, hot water and fuel systems, dilation crossovers, compensation of the seismic movements, with flange, welding neck, articulated and with limiting bars. PN 16 compensator with 30 mm axial, 75 mm lateral movement.		
25.330.3101	Ø25 mm	444,51	23,43
25.330.3102	Ø32 mm	497,26	33,70
25.330.3103	Ø40 mm	540,65	33,70
25.330.3104	Ø50 mm	641,41	33,70
25.330.3105	Ø65 mm	691,13	37,13
25.330.3106	Ø80 mm	822,51	40,55
25.330.3107	Ø100 mm	983,71	47,40
25.330.3108	Ø125 mm	1.195,44	59,11
25.330.3109	Ø150 mm	1.565,39	69,39
25.330.3110	Ø200 mm	2.241,98	72,81
25.330.3111	Ø250 mm	2.935,01	76,24
<b>25.330.3200</b>	<b>Angular, lateral, axial moving expansion joint with double bellows;</b> The supply, on-site installation and delivery in working order of the expansion joints made of special alloy stainless steel with double bellows (corrugated), angular, lateral and axial movement for use in steam, hot water and fuel systems, dilation crossovers, compensation of the seismic movements, with flange, welding neck, articulated and with limiting bars. PN 16 compensator with 60 mm axial, 75 mm lateral movement.		
25.330.3201	Ø65 mm	743,48	37,13
25.330.3202	Ø80 mm	897,45	40,55
25.330.3203	Ø100 mm	1.031,03	47,40
25.330.3204	Ø125 mm	1.328,66	59,11
25.330.3205	Ø150 mm	1.633,05	69,39
25.330.3206	Ø200 mm	2.365,46	72,81
25.330.3207	Ø250 mm	3.300,73	76,24
<b>25.332.1000</b>	<b>VIBRATION ABSORBERS (absorbers): (Unit: Qty., Materials on construction site: 80%)</b> The supply, on-site installation and delivery in working order of vibration absorbers of stainless steel, to be mounted between the devices and pipes in order to prevent the vibration of the pumps, compressors and similar device vibrations from passing to the pipe network and thus to prevent the sound and noise arising from the vibrations. (Operating temperature +425°C - 80°C)		
<b>25.332.1100</b>	<b>With flange or welding neck; PN-16</b>		
25.332.1101	Ø15 mm	173,00	11,71
25.332.1102	Ø20 mm	199,44	16,58
25.332.1103	Ø25 mm	251,98	23,43
25.332.1104	Ø32 mm	260,99	23,43

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.332.1105	Ø40 mm	292,99	26,85
25.332.1106	Ø50 mm	328,14	33,70
25.332.1107	Ø65 mm	381,90	37,13
25.332.1108	Ø80 mm	449,04	40,55
25.332.1109	Ø100 mm	526,40	47,40
25.332.1110	Ø125 mm	638,71	59,11
25.332.1111	Ø150 mm	811,54	69,39
25.332.1112	Ø200 mm	1.133,10	72,81
25.332.1113	Ø250 mm	1.805,46	76,24
<b>25.332.1200</b>	<b>With flange or welding neck; PN 25-40</b> The unit prices including installation at item 25.332.1100 are applied with an increase of 40%, the installation costs with no increase.		
<b>25.332.1300</b>	<b>Rubber Vibration Absorbers (absorbers); (Unit: Qty., Materials on construction site: 80%) PN 16</b> The supply, on-site installation and delivery in working order of vibration absorbers with a partial angular lateral axial movement of 10 mm, made of rubber, with carbon steel flanges, to be mounted between the devices and pipes in order to prevent the vibration of the pumps, compressors and similar device vibrations from passing to the pipe network and thus to prevent the sound and noise arising from the vibrations. (Working temperature + 0°C, +95°C)		
25.332.1301	Ø32 mm	129,83	23,43
25.332.1302	Ø40 mm	135,21	23,43
25.332.1303	Ø50 mm	160,93	33,70
25.332.1304	Ø65 mm	203,24	37,13
25.332.1305	Ø80 mm	230,50	40,55
25.332.1306	Ø100 mm	277,94	47,40
25.332.1307	Ø125 mm	359,26	59,11
25.332.1308	Ø150 mm	449,30	69,39
25.332.1309	Ø200 mm	601,51	72,81
25.332.1310	Ø250 mm	788,11	76,24
25.332.1311	Ø300 mm	1.071,69	79,66
<b>25.334.1000</b>	<b>STEAM TRAPS (Condensate Separators): (Unit: Qty.)</b>		
<b>25.334.1100</b>	<b>Thermodynamic type, threaded;</b> The supply to the work site, on-site installation and delivery in working order of steam traps, with 40 atmosphere operating pressure, up to 250°C temperature, body, cover, disc and seating surfaces in stainless steel, with TSE quality certificate.		
25.334.1101	Ø15 mm (1/2")	250,59	11,71
25.334.1102	Ø20 mm (3/4")	279,98	14,88
25.334.1103	Ø25 mm (1")	328,78	16,58
25.334.1104	Ø32 mm (1¼")	394,28	18,30
25.334.1105	Ø40 mm (1½")	434,85	22,16
25.334.1106	Ø50 mm (2")	452,53	26,85

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.334.1200</b>	<b>Thermostatic type, threaded;</b> The supply to the work site, on-site installation and delivery in working condition of (TS-3144) steam traps, with 10 atmosphere operating pressure, body and cover made of temper cast or quality brass, bellows of seamless phosphorus bronze, monel metal or tombac, valves and valve seats of stainless brass, with TSE certificate of conformity.		
25.334.1201	Ø15 mm (1/2")	231,05	11,71
25.334.1202	Ø20 mm (3/4")	267,09	14,88
25.334.1203	Ø25 mm (1")	296,41	16,58
25.334.1204	Ø32 mm (1¼")	304,18	18,30
25.334.1205	Ø40 mm (1½")	315,94	22,16
25.334.1206	Ø50 mm (2")	390,58	26,85
<b>25.334.1300</b>	<b>Float type, thermostatic, with air discharge, flanged;</b> The supply to the work site, on-site installation and delivery in working order of steam trap, with PN-16 cast iron body, stainless steel float, valve, needle and seat, with TSE quality certification.		
25.334.1301	Ø15 mm	608,73	14,88
25.334.1302	Ø20 mm	722,34	16,58
25.334.1303	Ø25 mm	805,59	18,30
25.334.1304	Ø32 mm	1.387,00	22,16
25.334.1305	Ø40 mm	1.626,15	26,85
25.334.1306	Ø50 mm	2.152,56	28,58
<b>25.334.1400</b>	<b>Reverse bucket type, flanged;</b> The supply to the work site, on-site installation and delivery in working order of PN-16, steam trap, with cast iron body and cover, stainless steel valve, needle and bucket seat, with TSE quality certification.		
25.334.1401	Ø15 mm	258,81	14,88
25.334.1402	Ø20 mm	280,36	16,58
25.334.1403	Ø25 mm	433,31	18,30
25.334.1404	Ø32 mm	757,01	22,16
25.334.1405	Ø40 mm	1.030,13	26,85
25.334.1406	Ø50 mm	1.328,28	28,58
<b>25.337.1000</b>	<b>AIR SEPARATOR (Unit: Qty.)</b> The supply to the work site and on-site installation of the air separators to discharge the air circulating in the heating system, made of brass or material in compliance with the standard TS ISO 1129, PN 16 class body, a stainless steel or equivalent air collecting screen in the air-water separator section, with a tap and automatic valve for venting the air on top of the body, operating at 120 C water temperature and maximum 10 bar operating pressure.		
<b>25.337.1100</b>	<b>Threaded Brass Air Separator with no discharge;</b>		
25.337.1101	Ø15 mm (1/2")	284,71	8,58
25.337.1102	Ø20 mm (3/4")	346,66	9,43
25.337.1103	Ø25 mm (1")	363,73	10,28
25.337.1104	Ø32 mm (1¼")	464,06	12,00
25.337.1105	Ø40 mm (1½")	537,60	12,85
25.337.1106	Ø50 mm (2")	652,61	13,70



**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.337.1200</b>	<b>Welded Air Separator;</b>		
25.337.1201	Ø50 mm	991,46	55,14
25.337.1202	Ø65 mm	1.040,86	58,56
25.337.1203	Ø80 mm	1.402,50	86,85
25.337.1204	Ø100 mm	1.541,03	93,70
25.337.1205	Ø125 mm	1.882,66	101,99
25.337.1206	Ø150 mm	2.132,93	117,13
25.337.1207	Ø200 mm	2.934,74	157,13
<b>25.337.1300</b>	<b>Flanged Air Separator;</b>		
25.337.1301	Ø50 mm	1.048,94	55,14
25.337.1302	Ø65 mm	1.103,56	58,56
25.337.1303	Ø80 mm	1.424,45	86,85
25.337.1304	Ø100 mm	1.537,89	93,70
25.337.1305	Ø125 mm	2.085,40	101,99
25.337.1306	Ø150 mm	2.318,94	117,13
25.337.1307	Ø200 mm	3.161,50	157,13
<b>25.337.2000</b>	<b>SEDIMENT SEPARATOR (Unit: Qty.)</b> The supply to the work site and on-site installation of the sediment separators to discharge the sediment circulating in the heating system, made of stainless steel or material in compliance with the standard TS ISO 1129, PN 16 class body, a stainless steel or equivalent sediment collecting screen in the sediment separator section, with a ball valve for discharging the sediment on the bottom of the body, operating at 120 C water temperature and maximum 10 bar pressure.		
<b>25.337.2100</b>	<b>Welded Sediment Separator</b>		
25.337.2101	Ø50 mm	698,86	55,14
25.337.2102	Ø65 mm	746,18	58,56
25.337.2103	Ø80 mm	1.087,96	86,85
25.337.2104	Ø100 mm	1.179,45	93,70
25.337.2105	Ø125 mm	1.642,31	101,99
25.337.2106	Ø150 mm	1.833,01	117,13
25.337.2107	Ø200 mm	2.691,25	157,13
<b>25.337.2200</b>	<b>Flanged Sediment Separator;</b>		
25.337.2201	Ø50 mm	830,53	55,14
25.337.2202	Ø65 mm	888,29	58,56
25.337.2203	Ø80 mm	1.247,85	86,85
25.337.2204	Ø100 mm	1.341,43	93,70
25.337.2205	Ø125 mm	1.818,93	101,99
25.337.2206	Ø150 mm	2.014,85	117,13
25.337.2207	Ø200 mm	2.768,58	157,13
<b>25.340.1000</b>	<b>AUTOMATIC AIR PURGE DEVICE (TS-7817): (Unit: Qty.)</b> The supply to the work site, on-site installation and delivery in working condition of air purge device at appropriate capacity to purge the accumulated air and gases in the liquid containers or pipes, made of bronze, cast iron, brass or steel according to the operating pressure and temperature, with stainless steel float or thermostat.		
<b>25.340.1100</b>	<b>Automatic Air Purge Device for steam, threaded, PN-16;</b>		
25.340.1101	Ø15 mm (1/2")	36,20	8,58
25.340.1102	Ø20 mm (3/4")	62,33	9,43

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.340.1200</b>	<b>Automatic Air Purge Device for water;</b>		
25.340.1201	Ø15 mm (1/2")	34,43	8,58
<b>25.345.1000</b>	<b>NATURAL GAS SOLENOID VALVES (Unit: Qty.)</b> The supply and on-site installation of the solenoid valves manufactured in compliance with the Directive (2009/142/EC) on Gas Burning Devices, CE certified, used in natural gas and LPG lines, cutting the gas with the electrical signal it receives.		
<b>25.345.1100</b>	<b>Solenoid valve with operating pressure up to 500 m bar, normally opened:</b>		
25.345.1101	DN15 (1/2") Threaded	153,66	11,71
25.345.1102	DN20 (3/4") Threaded	160,38	14,88
25.345.1103	DN25 (1") Threaded	189,24	16,58
25.345.1104	DN32 (1¼") Threaded	255,66	18,30
25.345.1105	DN40 (1½") Threaded	279,11	22,16
25.345.1106	DN50 (2") Threaded	402,29	26,85
25.345.1107	DN65 (2½") Flanged	1.053,09	28,58
25.345.1108	DN 80 (3") Flanged	1.167,10	39,09
25.345.1109	DN 100 (4") Flanged	2.086,96	43,98
25.345.1110	DN 125 (5") Flanged	3.967,94	47,40
25.345.1111	DN 150 (6") Flanged	4.170,20	54,25
25.345.1112	DN 200 (8") Flanged	11.012,20	71,66
<b>25.345.1200</b>	<b>Solenoid valve with operating pressure up to 6 bars, normally opened:</b>		
25.345.1201	DN15 (1/2") Threaded	263,60	11,71
25.345.1202	DN20 (3/4") Threaded	278,14	14,88
25.345.1203	DN25 (1") Threaded	312,98	16,58
25.345.1204	DN32 (1¼") Threaded	416,61	18,30
25.345.1205	DN40 (1½") Threaded	428,24	22,16
25.345.1206	DN50 (2") Threaded	592,30	26,85
25.345.1207	DN65 (2½") Flanged	1.335,16	28,58
25.345.1208	DN 80 (3") Flanged	1.553,58	39,09
25.345.1209	DN 100 (4") Flanged	2.609,01	43,98
25.345.1210	DN 125 (5") Flanged	4.163,35	47,40
25.345.1211	DN 150 (6") Flanged	4.353,11	54,25
25.345.1212	DN 200 (8") Flanged	12.181,63	71,66
<b>25.345.1300</b>	<b>Solenoid valve with operating pressure up to 500 m bar, normally closed:</b>		
25.345.1301	DN15 (1/2") Threaded	298,58	11,71
25.345.1302	DN20 (3/4") Threaded	316,93	14,88
25.345.1303	DN25 (1") Threaded	352,04	16,58
25.345.1304	DN32 (1¼") Threaded	505,64	18,30
25.345.1305	DN40 (1½") Threaded	550,40	22,16
25.345.1306	DN50 (2") Threaded	741,43	26,85
25.345.1307	DN65 (2½") Flanged	1.560,81	28,58
25.345.1308	DN 80 (3") Flanged	1.766,74	39,09
25.345.1309	DN 100 (4") Flanged	3.006,01	43,98
25.345.1310	DN 125 (5") Flanged	5.085,30	47,40
25.345.1311	DN 150 (6") Flanged	5.353,30	54,25
25.345.1312	DN 200 (8") Flanged	13.785,54	71,66

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.345.1400</b>	<b>Solenoid valve with operating pressure up to 6 bar, normally closed:</b>		
25.345.1401	DN15 (1/2") Threaded	428,10	13,15
25.345.1402	DN20 (3/4") Threaded	451,19	14,88
25.345.1403	DN25 (1") Threaded	473,40	16,58
25.345.1404	DN32 (1¼") Threaded	639,64	18,30
25.345.1405	DN40 (1½") Threaded	704,91	22,16
25.345.1406	DN50 (2") Threaded	856,35	26,85
25.345.1407	DN65 (2½") Flanged	1.651,29	28,58
25.345.1408	DN 80 (3") Flanged	2.042,89	39,09
25.345.1409	DN 100 (4") Flanged	3.295,58	43,98
25.345.1410	DN 125 (5") Flanged	5.598,15	47,40
25.345.1411	DN 150 (6") Flanged	5.734,79	54,25
25.345.1412	DN 200 (8") Flanged	15.915,05	71,66
<b>25.345.2000</b>	<b>NATURAL GAS FILTERS: (Unit: Qty. (TS 10276)</b> The supply to the work site and the on-site installation of filters manufactured in accordance with the Directive (97/23 /EC) on Pressure Equipment, CE certified, used to protect the devices such as burners, boilers, meters, regulators against the particles carried with the gas in the natural gas and LPG lines.		
<b>25.345.2100</b>	<b>Threaded filters with operating pressure up to 2 bar:</b>		
25.345.2101	DN15 (1/2") Threaded	62,14	11,71
25.345.2102	DN20 (3/4") Threaded	70,63	14,88
25.345.2103	DN25 (1") Threaded	83,13	16,58
25.345.2104	DN32 (1¼") Threaded	115,96	18,30
25.345.2105	DN40 (1½") Threaded	119,58	22,16
25.345.2106	DN50 (2") Threaded	153,73	26,85
<b>25.345.2200</b>	<b>Flanged filters with operating pressure up to 2 bar:</b>		
25.345.2201	DN65 (2½") Flanged	690,66	37,13
25.345.2202	DN 80 (3") Flanged	744,83	39,09
25.345.2203	DN 100 (4") flanged	1.289,98	43,98
25.345.2204	DN 125 (5") flanged	2.359,90	47,40
25.345.2205	DN 150 (6") flanged	2.802,15	54,25
25.345.2206	DN 200 (8") flanged	6.947,81	72,81
<b>25.345.2300</b>	<b>Threaded filters with operating pressure up to 6 bar:</b>		
25.345.2301	DN15 (1/2") Threaded	94,84	11,71
25.345.2302	DN20 (3/4") Threaded	99,46	14,88
25.345.2303	DN25 (1") Threaded	103,06	16,58
25.345.2304	DN32 (1¼") Threaded	132,73	18,30
25.345.2305	DN40 (1½") Threaded	139,26	22,16
25.345.2306	DN50 (2") Threaded	165,91	26,85
<b>25.345.2400</b>	<b>Flanged filters with operating pressure up to 6 bar:</b>		
25.345.2401	DN25 (1") Flanged	318,51	16,58
25.345.2402	DN32 (1¼") with flange	411,69	18,30
25.345.2403	DN40 (1½") with flange	428,81	22,16
25.345.2404	DN50 (2") Flanged	506,28	26,85

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.345.2405	DN65 (2½") Flanged	732,70	37,13
25.345.2406	DN 80 (3") Flanged	869,41	39,09
25.345.2407	DN100 (4") flanged	1.445,55	43,98
25.345.2408	DN125 (5") flanged	2.410,74	47,40
25.345.2409	DN150 (6") flanged	3.005,35	54,25
25.345.2410	DN200 (8") flanged	7.224,31	72,81
<b>25.345.3000</b>	<b>NATURAL GAS FILTERS REGULATORS (TS 10624)</b> The supply to the work site and on-site installation in its designed location of the filter regulators , manufactured in accordance with the Directive (97/23/EC) on Pressure Equipment, conforming to TSE 10624 standard, to reduce or keep natural gas or LPG pressure stable.		
<b>25.345.3100</b>	<b>Filter Regulator up to 500 mbar;</b>		
25.345.3101	DN15 (1/2") Threaded	151,93	11,71
25.345.3102	DN20 (3/4") Threaded	167,79	14,88
25.345.3103	DN25 (1") Threaded	188,91	16,58
<b>25.345.3200</b>	<b>Filter Regulator up to 1 bar;</b>		
25.345.3201	DN20 (3/4") Threaded	186,33	14,88
25.345.3202	DN25 (1") Threaded	205,30	16,58
25.345.3203	DN32 (1¼") Threaded	371,61	18,30
25.345.3204	DN40 (1½") Threaded	400,24	22,16
25.345.3205	DN50 (2") Threaded	536,63	26,85
25.345.3206	DN65 (2½") Flanged	1.913,56	38,56
<b>25.345.4000</b>	<b>Safety shut off regulator with natural gas filter (TS 10624)</b> The supply to the work site and on-site installation in its designed location of filter regulators, which are manufactured in accordance with the Directive (97/23/EC) on Pressure Equipment, to reduce or keep natural gas or LPG pressure stable, in case of problems with the outlet pressure to cut-off the gas flow, with filter and safety shut-off.		
<b>25.345.4100</b>	<b>Filter Regulators up to 1 bar;</b>		
25.345.4101	DN20 (3/4") Threaded	319,30	14,88
25.345.4102	DN25 (1") Threaded	343,23	16,58
25.345.4103	DN32 (1¼") Threaded	653,18	18,30
25.345.4104	DN40 (1½") Threaded	689,43	22,16
25.345.4105	DN50 (2") Threaded	816,15	26,85
25.345.4106	DN65 (2½") Flanged	1.226,06	38,56
<b>25.345.4200</b>	<b>Natural Gas Meter Enclosure Box:</b> The supply to the work site and on-site installation in its designed location of natural gas meter enclosure box for the natural gas meters that are exposed to outdoor weather conditions in accordance with the natural gas specification, made of DKP sheet material, oven-drying painted, rubber gasket, sight glass on the meter box, ventilation louver and bendable cover lever. (iron fabrication will be paid on 15.550.1202		
<b>25.345.5100</b>	<b>Natural Gas Relief Valves (TS EN 14382 + A1)</b> The supply to the work site and on-site installation in its designated location of relief valves in compliance with 2014/68/ABPressure Equipment Directive, that discharge into the atmosphere in case of increase of natural gas or LPG pressure between 10 mbar and 6 bar which is used in Natural Gas and LPG lines		
25.345.5101	10 - 40 mbar	238,36	22,00

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.345.5102	40 -110 mbar	284,09	26,15
25.345.5103	90 -160 mbar	309,44	29,58
25.345.5104	160-500 mbar	481,30	33,00
25.345.5105	400-2000 mbar	576,96	39,85
25.345.5106	300-6000 mbar	828,28	53,55
<b>25.350.0000</b>	<b>CIRCULATION PUMPS: (Unit: Qty.) (TS EN 16297 / 1-2-3)</b> The supply to the work site and on-site installation of circulation pumps to be selected from the technical documents according to the flow rate, pressure, power, efficiency in light of the approved project with static and dynamic balances, bronze, stainless steel, bakelite or cast iron fan and packing gland cover, dry or wet steel rotor, electric motor resistant up to 120°C temperature, connected to the electric motor with elastic coupling or directly coupled.		
<b>25.350.1000</b>	<b>Circulation Pump With Dry Rotor: Mountable to the straight pipe, with dry rotor, up to 1450 RPM:</b> Dry-rotor, mountable on straight pipe (inline-type), cast iron body, wheel of composite material or cast iron, with 1450 RPM rotational speed circulating pumps, according to the "Decree for the Environmentally Sensitive Design Requirements Associated With the Electric Motors" issued by the Ministry of Science, Industry and Technology, the efficiency of the motor at the ratings of 7.5 kW and above shall not be lower than the efficiency level of IE3. The supply to the work site, on-site installation and delivery in working order of the dry rotor, variable speed circulation pump, in the case of motors with this power at IE2 efficiency. Flow Rate                      Pressure                      Pa for the Middle Point of the Characteristic Curve m³/h                                      mWC		
25.350.1001	0.5 - 2                      (0.25-0.70)                      2250- 5300	773,04	43,43
25.350.1002	2.1 - 4                      (0.40-0.90)                      3600- 8100	849,24	43,43
25.350.1003	2.1.- 4                      (0.91-2.00)                      8101-18000	1.134,99	43,43
25.350.1004	2.1 - 4                      (2.01-3.00)                      18001-27000	1.330,58	43,43
25.350.1005	4.1- 8                      (0.50-2.00)                      4500-18000	1.481,99	55,14
25.350.1006	4.1 - 8                      (2.01-3.50)                      18001-31500	1.621,69	55,14
25.350.1007	4.1 - 8                      (3.51-5.00)                      31501-45000	1.672,49	55,14
25.350.1008	8.1-12                      (0.50-2.00)                      4500- 18000	1.805,13	78,56
25.350.1009	8.1-12                      (2.01-3.51)                      18001-31500	1.868,63	78,56
25.350.1010	8.1-12                      (3.51-5.00)                      31501-45000	1.982,93	78,56
25.350.1011	12.1-25                      (0.50-2.00)                      4500-18000	2.123,09	117,13
25.350.1012	12.1-25                      (2.01-3.50)                      18001-31500	2.211,99	117,13
25.350.1013	12.1-25                      (3.51-5.00)                      31501-45000	2.262,79	117,13
25.350.1014	25.1-60                      (0.50-2.00)                      4500-18000	2.404,39	157,13
25.350.1015	25.1-60                      (2.01-3.50)                      18001-31500	2.544,09	157,13
25.350.1016	25.1-60                      (3.51-5.00)                      31501-45000	2.671,09	157,13
25.350.1017	25.1-60                      (5.01-7.00)                      45001-63000	2.780,95	157,13
25.350.1018	60.1-100                      (1.00-3.50)                      9000-31500	2.870,31	195,69
25.350.1019	60.1-100                      (3.51-5.00)                      31500-45000	2.959,21	195,69
25.350.1020	60.1-100                      (5.01-7.00)                      45001-63000	3.060,81	195,69
25.350.1021	60.1-100                      (7.01-8.50)                      63001-76500	3.695,81	195,69

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)				
25.350.2000	<p><b>Circulation Pump With Dry Rotor; dry rotor, inline type, speed up to 2950 RPM:</b>                      Dry-rotor, mountable on straight pipe (inline-type), cast iron body, wheel of composite material or cast iron, with 2900 RPM constant speed circulating pumps, according to the "Decree for the Environmentally Sensitive Design Requirements Associated With the Electric Motors" issued by the Ministry of Science, Industry and Technology, the efficiency of the motor at the ratings of 7.5 kW and above shall not be lower than the efficiency level of IE3.                      The unit price including the installation and the installation prices for the 1450 RPM pumps in item 25.350.1000 shall be decreased by 10%.</p>						
25.350.3000	<p><b>Circulating Pump with Variable Speed (Frequency Converter) and Wet Rotor: (TS EN 16297 / 1-2-3)</b>                      The supply, on-site installation and delivery in working order of wet rotor circulation pumps mountable to straight pipes according to the "Decree for the Environmentally Sensitive Associated With the Circulation Pumps Without Glands Independent and Integrated to the Products" the circulation pumps with <math>EEI \leq 0.23</math> energy efficiency index, below PN10 pressure class, with motors having self-protection against penning, overload and overheating, internal or external frequency converter, differential head suitable for <math>\Delta p-c</math> and <math>\Delta p-V</math> control modes, instantaneous power consumption operation and fault signal information can be displayed on it without the necessity of any extra equipment, automatic regulation scheme with an internal screen capable to adjust the differential head with a maximum of 0.5 m increments, the body material of the wet rotor circulation pumps with frequency converters to be at least TS 552 EN1561/ENGJL 200 (GG20), metal impregnated carbon bearings, impeller stainless steel or glass fiber reinforced polypropylene, pump shaft is made of a material conforming to TS EN 10088-3 standard and pump insulation class is at least IP43, motor protection class F, operating temperature range between <math>-10^{\circ}C / + 120^{\circ}C</math> according to the hot water circulation pumps class according to TF95.                      NOTE:                      1-The point values specified in the approved implementation design shall be taken into consideration in the selection and procurement of the pumps.                      2-The ranges indicated in the exposures refer to pump operation areas based on the approximate cost.</p> <table border="0" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">Flow</td> <td style="text-align: center;">Pressure</td> </tr> <tr> <td style="text-align: center;"><math>m^3/h</math></td> <td style="text-align: center;">mWC</td> </tr> </table>	Flow	Pressure	$m^3/h$	mWC		
Flow	Pressure						
$m^3/h$	mWC						
25.350.3001	(0.5 - 3.5) (1 – 3)	975,93	78,56				
25.350.3002	(3.5 - 7.0) (1 – 3)	2.854,09	78,56				
25.350.3003	(7 - 11) (1 – 3)	3.298,09	117,13				
25.350.3004	(3 - 6) (3 – 5)	3.311,99	117,13				
25.350.3005	(6 - 9) (3 – 5)	3.469,78	117,13				
25.350.3006	(9 - 12) (3 – 5)	4.618,09	157,13				
25.350.3007	(12 - 17) (3 – 5)	5.125,10	157,13				
25.350.3008	(12 - 20) (5 – 10)	6.725,59	195,69				
25.350.3009	(20 - 28) (5 – 10)	7.409,05	195,69				
25.350.3010	(28 - 36) (5 – 10)	8.189,86	195,69				
25.350.3011	(36 - 50) (5 – 10)	9.618,13	234,25				

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.350.4000</b>	<p><b>Circulating Pump with Variable Speed (Frequency Converter) Dry Rotor:</b>                      The supply to the work site, on-site installation and delivery in working order of the circulation pumps, with dry-rotor, mountable on straight pipe (inline-type), cast iron body, wheel of composite material or cast iron, with frequency converter, furnished according to the "Decree for the Environmentally Sensitive Design Requirements Associated With the Electric Motors" issued by the Ministry of Science, Industry and Technology, the efficiency of the motor at the ratings of 7.5 kW and above shall not be lower than the efficiency level of IE3.                      NOTE:                      1- The point values specified in the approved implementation design shall be taken into consideration in the selection and procurement of the pumps.                      2- The ranges indicated in the items refer to pump operation areas based on the approximate cost.                      Flow rate      Pressure                      m³/h              (mSS)</p>		
25.350.4001	4-13              1-10	7.630,51	117,13
25.350.4002	6-14,5              1-14	8.101,38	117,13
25.350.4003	6-14,5              1-26	8.736,24	157,13
25.350.4004	12-34              1-17	8.902,23	195,69
25.350.4005	17-38              1-20	9.068,21	234,25
25.350.4006	18-42              1-27	10.699,03	312,81
25.350.4007	20-52              1-30	11.156,93	351,38
25.350.4008	24-56              1-20	10.562,34	312,81
25.350.4009	26-56              1-20	11.037,28	312,81
25.350.4010	26-60              1-17	9.880,30	312,81
25.350.4011	32-100              1-14	11.911,89	351,38
25.350.4012	36-80              1-20	11.741,65	351,38
25.350.4013	44-120              1-18	12.155,09	351,38
25.350.4014	45-135              1-40	19.061,68	429,94
25.350.4015	50-155              1-52	22.221,21	468,50
25.350.4016	52-104              1-64	25.049,68	468,50
25.350.4017	60-155              1-48	22.153,43	468,50
25.350.4018	65-130              1-30	16.592,31	429,94
25.350.4019	90-230              1-21	19.632,78	429,94
25.350.4020	90-250              1-25	23.088,99	429,94
25.350.4021	90-270              1-28	23.470,40	468,50
25.350.4022	120-260              1-30	23.679,65	468,50

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.355.0000</b>	<p><b>CENTRIFUGAL PUMPS (single or multi-stage): (Unit: Qty.) (TS EN ISO 9905, TS EN ISO 9908, TS EN ISO 2858)</b>                      The supply to the work site, on-site installation and delivery in working order of the pumps to be used for circulation or other purposes, resistant to 105°C, single or multi-stage, electric motor with IE2 and higher efficiency class, to be selected from the technical documents according to the flow rate, pressure, power, efficiency, inlet and outlet sizes, fan diameter, motor type, speed and power in light of the approved design, installed and aligned on a common base with the electric motor.                      NOTE:                      1- The detail of the base of the pump will be given to the administration.                      2- The point values specified in the approved implementation design shall be taken into consideration in the selection and procurement of the pumps.                      3-The ranges indicated in the items refer to pump operation areas based on the approximate cost.</p>		
<b>25.355.1000</b>	<p><b>Centrifugal Pump; Up to 1500 RPM</b>                      for The Middle Point of the Characteristic Curve                      Flow Rate                      Pressure                      Pa                      m³/h                                      mSS</p>		
25.355.1001	3 - 5                      (3.0 - 5)                      27,000 - 45,000	1.838,46	98,56
25.355.1002	3 - 5                      (5.1 - 10)                      45,001 - 90,000	1.967,90	113,70
25.355.1003	3 - 5                      (10.1 - 15)                      90,001 - 135,000	2.185,74	121,99
25.355.1004	3 - 5                      (15.1 - 20)                      135,001 - 180,000	2.351,34	128,84
25.355.1005	3 - 5                      (20.1 - 30)                      180,001 - 270,000	2.422,74	140,55
25.355.1006	3 - 5                      (30.1 - 40)                      270,001 - 360,000	3.204,46	148,84
25.355.1007	3 - 5                      (40.1 - 60)                      360,001 - 540,000	3.343,18	160,55
25.355.1008	3 - 5                      (60.1 - 80)                      540,001 - 720,000	4.091,49	172,26
25.355.1009	3 - 5                      (80.1 - 100)                      720,001 - 900,000	4.379,18	180,55
25.355.1010	5.1 - 10                      (3.0 - 5)                      27,000 - 45,000	1.936,54	110,28
25.355.1011	5.1 - 10                      (5.1 - 10)                      45,001 - 90,000	1.996,13	125,41
25.355.1012	5.1 - 10                      (10.1 - 15)                      90,001 - 135,000	2.232,63	137,13
25.355.1013	5.1 - 10                      (15.1 - 20)                      135,001 - 180,000	2.447,29	145,41
25.355.1014	5.1 - 10                      (20.1 - 30)                      180,001 - 270,000	2.538,38	157,13
25.355.1015	5.1 - 10                      (30.1 - 40)                      270,001 - 360,000	3.343,84	168,84
25.355.1016	5.1 - 10                      (40.1 - 60)                      360,001 - 540,000	3.514,30	180,55
25.355.1017	5.1 - 10                      (60.1 - 80)                      540,001 - 720,000	4.161,01	192,26
25.355.1018	5.1 - 10                      (80.1 - 100)                      720,001 - 900,000	4.644,11	199,11
25.355.1019	10.1- 20                      (3.0- 5)                      27,000 - 45,000	2.109,40	128,84
25.355.1020	10.1- 20                      (5.1- 10)                      45,001 - 90,000	2.202,43	148,84
25.355.1021	10.1- 20                      (10.1- 15)                      90,001 - 135,000	2.303,68	160,55
25.355.1022	10.1- 20                      (15.1- 20)                      135,001 - 180,000	2.625,01	168,84
25.355.1023	10.1- 20                      (20.1- 30)                      180,001 - 270,000	2.745,56	183,98
25.355.1024	10.1- 20                      (30.1- 40)                      270,001 - 360,000	3.726,68	192,26
25.355.1025	10.1- 20                      (40.1- 60)                      360,001 - 540,000	3.757,94	210,83
25.355.1026	10.1- 20                      (60.1- 80)                      540,001 - 720,000	5.052,35	222,54
25.355.1027	10.1- 20                      (80.1-100)                      720,001 - 900,000	5.555,94	230,83
25.355.1028	21- 30                      (3.0- 5)                      27,000 - 45,000	2.413,85	140,55
25.355.1029	21- 30                      (5.1- 10)                      45,001 - 90,000	2.483,00	163,98
25.355.1030	21- 30                      (10.1- 15)                      90,001 - 135,000	2.518,84	175,69



**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>			<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.355.1031	21- 30	(15.1- 20)	135,001 - 180,000	2.878,53	187,40
25.355.1032	21- 30	(20.1- 30)	180,001 - 270,000	2.909,08	203,98
25.355.1033	21- 30	(30.1- 40)	270,001 - 360,000	4.393,99	215,69
25.355.1034	21- 30	(40.1- 60)	360,001 - 540,000	4.498,03	230,83
25.355.1035	21- 30	(60.1- 80)	540,001 - 720,000	5.953,34	245,96
25.355.1036	21- 30	(80.1-100)	720,001 - 900,000	6.942,95	257,68
25.355.1037	31- 40	(3.0- 5)	27,000 - 45,000	2.460,84	140,55
25.355.1038	31- 40	(5.1- 10)	45,001 - 90,000	2.762,40	163,98
25.355.1039	31- 40	(10.1- 15)	90,001 - 135,000	2.788,08	175,69
25.355.1040	31- 40	(15.1- 20)	135,001 - 180,000	3.098,24	187,40
25.355.1041	31- 40	(20.1- 30)	180,001 - 270,000	4.067,31	203,98
25.355.1042	31- 40	(30.1- 40)	270,001 - 360,000	4.534,96	215,69
25.355.1043	31- 40	(40.1- 60)	360,001 - 540,000	6.726,88	230,83
25.355.1044	31- 40	(60.1- 80)	540,001 - 720,000	7.547,19	245,96
25.355.1045	31- 40	(80.1-100)	720,001- 900,000	8.940,66	257,68
25.355.1046	41- 50	(3.0- 5)	27,000 - 45,000	2.541,80	160,55
25.355.1047	41- 50	(5.1- 10)	45,001 - 90,000	2.882,73	183,98
25.355.1048	41- 50	(10.1- 20)	90,001 - 180,000	3.356,34	199,11
25.355.1049	41- 50	(15.1- 20)	135,001 - 180,000	3.501,40	210,83
25.355.1050	41- 50	(20.1- 30)	180,001 - 270,000	4.406,98	227,40
25.355.1051	41- 50	(30.1- 40)	270,001 - 360,000	5.548,99	239,11
25.355.1052	41- 50	(40.1- 60)	360,001 - 540,000	7.227,21	262,54
25.355.1053	41- 50	(60.1- 80)	540,001 - 720,000	7.284,26	277,68
25.355.1054	41- 50	(80.1-100)	720,001 - 900,000	8.935,83	301,10
25.355.1055	51- 60	(3.0- 5)	27,000 - 45,000	2.624,60	163,98
25.355.1056	51- 60	(5.1- 10)	45,001 - 90,000	2.938,00	192,26
25.355.1057	51- 60	(10.1- 15)	90,001 - 135,000	3.382,40	207,40
25.355.1058	51- 60	(15.1- 20)	135,001 - 180,000	3.979,59	219,11
25.355.1059	51- 60	(20.1- 30)	180,001 - 270,000	5.046,28	234,25
25.355.1060	51- 60	(30.1- 40)	270,001 - 360,000	6.195,70	250,83
25.355.1061	51- 60	(40.1- 60)	360,001 - 540,000	7.514,74	269,39
25.355.1062	51- 60	(60.1- 80)	540,001 - 720,000	8.368,24	285,96
25.355.1063	51- 60	(80.1-100)	720,001 - 900,000	10.339,18	301,10
25.355.1064	61- 80	(3.0- 5)	27,000 - 45,000	2.794,15	163,98
25.355.1065	61- 80	(5.1- 10)	45,001 - 90,000	3.121,39	199,11
25.355.1066	61- 80	(10.1- 15)	90,001 - 135,000	3.849,16	215,69
25.355.1067	61- 80	(15.1- 20)	135,001 -180,000	4.597,48	227,40
25.355.1068	61- 80	(20.1- 30)	180,001 - 270,000	5.822,54	245,96
25.355.1069	61- 80	(30.1- 40)	270,001 - 360,000	6.541,41	262,54
25.355.1070	61- 80	(40.1- 60)	360,001 - 540,000	7.864,05	285,96
25.355.1071	61- 80	(60.1- 80)	540,001 - 720,000	10.205,83	301,10
25.355.1072	61- 80	(80.1-100)	720,001 - 900,000	10.641,73	312,81
25.355.1073	81-100	(3.0- 5)	27,000 - 45,000	3.082,11	183,98
25.355.1074	81-100	(5.1- 10)	45,001 - 90,000	3.807,46	210,83
25.355.1075	81-100	(10.1- 15)	90,001 - 135,000	4.381,58	227,40
25.355.1076	81-100	(15.1- 20)	135,001 - 180,000	4.875,89	239,11
25.355.1077	81-100	(20.1- 30)	180,001 - 270,000	6.402,99	262,54
25.355.1078	81-100	(30.1- 40)	270,001 - 360,000	6.877,86	277,68
25.355.1079	81-100	(40.1- 60)	360,001 - 540,000	9.488,66	297,68
25.355.1080	81-100	(60.1- 80)	540,001 - 720,000	10.309,86	316,24

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.355.1081	81-100 (80.1-100) 720,001 - 900,000	14.332,03	332,81
25.355.1082	101-150 (5.0- 10) 45,000 - 90,000	4.301,78	222,54
25.355.1083	101-150 (10.1- 15) 90,001 - 135,000	5.641,31	242,54
25.355.1084	101-150 (15.1- 20) 135,001 - 180,000	5.830,44	257,68
25.355.1085	101-150 (20.1- 30) 180,001 - 270,000	6.357,16	277,68
25.355.1086	101-150 (30.1- 40) 270,001 - 360,000	7.782,00	292,81
25.355.1087	101-150 (40.1- 60) 360,001 - 540,000	9.560,35	321,10
25.355.1088	101-150 (60.1- 80) 540,001 - 720,000	16.989,75	336,24
25.355.1089	101-150 (80.1-100) 720,001 - 900,000	24.243,89	351,38
25.355.1090	101-300 (10.0- 20) 90,000 - 180,000	6.596,25	257,68
25.355.1091	101-300 (20.1- 35) 180,001 - 315,000	9.324,55	285,96
25.355.1092	151-300 (35.1- 55) 315,001 - 495,000	13.442,54	351,38
25.355.1093	151-300 (56.0- 80) 504,000 - 720,000	20.817,78	379,66
25.355.1094	151-300 (81.0-120) 729,000 - 1,080,000	23.553,15	409,94
25.355.1095	151-300 (121-160) 1,081,000 - 1,440,000	27.526,05	438,23
<b>25.355.1200</b>	<b>Centrifugal pump; up to 3000 RPM other features are the same as item 25.355.1000.</b> Installed unit price of the 1500 RPM centrifugal pump item 25.355.1000 including the installation and the installation costs shall be reduced by 10%.		
<b>25.355.2000</b>	<b>SUPER HEATED WATER PUMPS (Unit: Qty.)</b> The supply to the work site and installation in its designed location of the pumps with quality certificates to be selected from the technical documents according to the pump body, shaft, fan, seals, gland, axial sectional view, kind of fluid, operating pressure and temperature, flow rate, differential head, efficiency, power, efficiency and net plus (+), suction head characteristics, pump dimensions, inlet and outlet sizes, fan diameter, cooling water flow rate, motor type, speed and power in light of the approved design, installed and aligned on a common base with the electric motor. (The detail documents for the pump base shall be given to the administration)		
<b>25.355.3000</b>	<b>Super heated water pump; at 10 Atmosphere, operating at 140°C operating pressure and temperature, up to 1500 RPM;</b> The unit price including the installation and the installation prices for the 1500 RPM pumps in item 25.355.1000 shall be increased by 25%.		
<b>25.355.4000</b>	<b>Super heated water pump; at 10 Atmosphere, operating at 140°C operating pressure and temperature, up to 3000 RPM;</b> The unit price including the installation and the installation prices for the 1500 RPM pumps in item 25.355.1000 shall be increased by 15%.		
<b>25.355.5000</b>	<b>Super heated water pump; at 12 Atmosphere, operating at 170°C operating pressure and temperature, up to 1500 RPM;</b> The unit price including the installation and the installation prices for the 1500 RPM pumps in item 25.355.1000 shall be increased by 50%.		
<b>25.355.6000</b>	<b>Super heated water pump; at 12 Atmosphere, operating at 170°C operating pressure and temperature, up to 3000 RPM;</b> The unit price including the installation and the installation prices for the 1500 RPM pumps in item 25.355.1000 shall be increased by 30%		
<b>25.355.7000</b>	<b>Super heated water pump; at 20 Atmosphere, operating at 200°C operating pressure and temperature, up to 1500 RPM;</b> The unit price including the installation and the installation prices for the 1500 RPM pumps in Pos. 25.355.1000 shall be increased by 100%.		

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.355.8000	<b>Super heated water pump; at 20 Atmosphere, operating at 200°C operating pressure and temperature, up to 3000 RPM;</b> The unit price including the installation and the installation prices for the 1500 RPM pumps in item 25.355.1000 shall be increased by 100%.		
25.355.9000	<b>CENTRIFUGAL PUMPS WITH VERTICAL SHAFT (single or multi-stage): (Unit: Qty.)</b> The supply to the work site, on-site installation and delivery in working order of single-stage or multi-stage vertical centrifugal pumps, other features are the same as given in item 25.355.0000 for The Middle Point of the Characteristic Curve Flow rate m³/h Pressure mSS PA		
25.355.9001	0.8-4.0 (15-35) 135,000 - 315,000	1.683,68	117,13
25.355.9002	1.2-5.0 (22-50) 198,000 - 450,000	1.727,60	117,13
25.355.9003	1.8-5.5 (23-65) 207,000 - 585,000	1.900,56	157,13
25.355.9004	2.1-6.5 (24-75) 216,000 - 675,000	2.100,00	157,13
25.355.9005	2.5-6.8 (25-85) 225,000 - 765,000	2.477,45	195,69
<b>25.355.9900</b>	<b>Construction of a concrete base;</b> The construction of a concrete base to protrude 5 cm from four sides of the pump's metal base and to have with 30 cm thickness for motor powers up to 5 kW. 40 cm for motor powers up to 30 kW, 50 cm for motor powers up to 50 kW. Estimated (to be paid with unit prices for construction works); (foundation plan for powers of more than 50 kW shall be given.)		
<b>25.360.1000</b>	<b>DRAIN PUMPS: (Unit: Qty.: delivery on construction site: 60%)</b>		
<b>25.360.1100</b>	<b>Submersible Type Drainage Pump;</b> The supply and on-site installation of submersible drainage pump, vertical type, according to the standard TS 12599, used for the pressurization of clean or slightly contaminated turbid waters containing no large particles and fibrous materials, with or without floater, single-phase or three-phase, pump body GG 25 cast iron, composite or stainless steel, motor housing GG 25 cast iron, composite or stainless steel, motor shaft made of stainless steel, motor and pump isolated from each other by mechanical seal, pump impeller made of thermoplastic material or cast iron, with at least 5 m long electrical cable and carrying chain, with IP 68 protection class, ISO 9001 quality assurance certificate. Flow rate m³/h Pressure mSS		
25.360.1101	2.0 - 6.0 (3.0 - 6.0)	1.311,06	92,81
25.360.1102	3.0 - 10 (3.0 - 6.0)	1.377,54	92,81
25.360.1103	3.0 - 10 (4.0 -7.0)	1.688,98	96,24
25.360.1104	3.0 - 15 (4.0 -10)	2.032,21	109,94
25.360.1105	2.0 - 15 (7.0 -15)	2.341,94	127,06
25.360.1106	2.0 - 10 (12 - 20)	2.929,79	127,06
25.360.1107	5.0 - 40 (3.0 -15)	3.680,88	144,19
25.360.1108	5.0 - 40 (5.0 -15)	3.910,71	144,19
25.360.1109	5.0 - 50 (7.0 -25)	4.815,75	161,31

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.360.1200</b>	<p><b>Submersible Type Drain Pump;</b>                      The supply to the work site and installation of submersible waste water pump, vertical type, according to the standard TS 12599, with TS EN ISO 9001 quality certificate, protected against overheating by a temperature sensor, protected against water leaks by a moisture sensor placed to the motor, working between 0°C and 400°C ambient temperature, used for the pressurization of very dirty and septic waters containing solid matter and short fibrous materials, works entirely dipped into the water, with or without floater, compact, portable, hand carried or with guide rope system, body GG 25 cast iron, composite or stainless steel, motor shaft made of stainless steel, motor and pump isolated from each other by mechanical seal, motor winding resistant to overheating, with adequate cooling system and, when necessary, rewindable, IP68 protection class, external control panel with 10 m electric cable connected to the panel in a way to provide full tightness, designed in such a way that no water gets into the pump in case the cable is sheared off, for portable types a pump fixing pedestal together with the pump, counter flange, fixing console for the bearing pipes, guide rope lifting system with the fixed types, AISI 316 carrying chain, all other installation materials.                      Flow rate m³/h Pressure mSS</p>		
25.360.1201	5.0 - 10 (5.0 -10)	1.353,31	89,39
25.360.1202	5.0 - 10 (10 - 15)	1.851,31	96,24
25.360.1203	5.0 - 10 (15 -20)	2.276,16	103,09
25.360.1204	10 - 15 (5.0 -10)	1.938,51	89,39
25.360.1205	10 - 15 (10 - 15)	2.070,59	106,51
25.360.1206	15 - 20 (5.0 - 10)	2.666,24	106,51
25.360.1207	15 - 20 (10 - 15)	2.728,76	116,79
25.360.1208	15 - 20 (15 - 20)	3.338,29	120,21
25.360.1209	20 - 25 (10 - 15)	2.868,04	120,21
25.360.1210	20 - 25 (15 - 20)	3.449,64	127,06
25.360.1211	20 - 25 (20 - 30)	3.888,36	137,34
25.360.1212	25 - 30 (20 - 25)	4.034,66	137,34
25.360.1213	25 - 30 (25 - 30)	4.062,41	144,19
25.360.1214	25 - 30 (30 - 35)	4.347,99	147,61
25.360.1215	30 - 40 (30 - 35)	5.169,94	154,46
25.360.1216	30 - 40 (35 - 40)	6.824,46	157,89
25.360.1217	30 - 40 (40 - 45)	8.499,89	161,31
25.360.1218	40 - 50 (35 - 40)	9.046,71	164,74
25.360.1219	40 - 50 (40 - 45)	9.670,11	171,59
25.360.1220	40 - 50 (45- 50)	10.979,79	175,01

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.360.1300</b>	<p><b>Submersible Type Drain Pump with Shredder Blades;</b>                      The supply to the work site and installation of submersible waste water pump (with shredder blades), vertical type, according to the standard TS 12599, with TS EN ISO 9001 quality certificate, protected against overheating by a temperature sensor, protected against water leaks by a moisture sensor placed to the motor, working between 0 C and 400 C ambient temperature, used for the pressurization of very dirty and septic waters containing solid matter and short fibrous materials, works entirely dipped into the water, with or without floater, compact, portable, hand carried or with guide rope system (with shredder blades), body GG 25 cast iron, composite or stainless steel, motor shaft made of stainless steel, motor and pump sides isolated from each other by mechanical seal, motor winding resistant to overheating, with adequate cooling system and, when necessary, rewindable, IP68 protection class (shredder blades made of very hard stainless steel and replaceable as required), control panel with 10 m electric cable connected to the panel to provide full tightness, designed in such a way that no water gets into the pump in case the cable is sheared off, for portable types a pump fixing pedestal together with the pump, counter flange, fixing console for the bearing pipes, guide rope lifting system with the fixed type guide ropes, AISI 316 carrying chain, all other installation materials and 10 m cable.                      Flow rate m³/h Pressure mSS</p>		
25.360.1301	5.0 - 10 (5.0 - 10)	3.358,48	89,39
25.360.1302	5.0 - 10 (10 - 15)	3.602,03	96,24
25.360.1303	5.0 - 10 (15 -20)	3.766,68	103,09
25.360.1304	10 - 15 (5.0 -10)	3.612,49	99,66
25.360.1305	10 - 15 (10 - 15)	3.695,54	106,51
25.360.1306	15 - 20 (5.0 -10)	3.715,36	106,51
25.360.1307	15 - 20 (10 - 15)	3.801,84	116,79
25.360.1308	15 - 20 (15 - 20)	4.433,14	120,21
<b>25.365.1000</b>	<b>PIPE PAINTING; (Unit: m)</b>		
<b>25.365.1100</b>	<b>Pipe painting, with red lead paint; (Unit: m)</b>		
25.365.1101	Ø15 mm - Ø50 mm between (1/2" - 2") including (2")	2,55	2,15
25.365.1102	Ø50 mm - Ø100 mm between (2" - 4") including (4")	5,09	4,29
25.365.1103	Ø100 mm - Ø150 mm between (4" - 6") including (6")	7,61	6,44
25.365.1104	Ø150 mm - Ø200 mm between (6" - 8") including (8")	10,15	8,58
25.365.1105	Ø200 mm - Ø250 mm between (8" - 10") including (10")	12,41	10,45
25.365.1106	Ø250 mm - Ø300 mm between (10" - 12") including (12")	14,96	12,61
25.365.1107	Ø300 mm - Ø350 mm between (12" - 14") including (14")	17,50	14,75
25.365.1108	Ø350 mm - Ø400 mm between (14" - 16") including (16")	20,03	16,89
25.365.1109	Ø400 mm - Ø450 mm between (16" - 18") including (18")	22,46	18,93
25.365.1110	Ø450 mm - Ø500 mm (18" to 20") and above	24,96	21,04
<b>25.365.1200</b>	<b>Pipe painting, with oily paint; (Unit: m)</b> Painting of free pipes with two coats of heat resistant oil paint.		
25.365.1201	Ø15 mm - Ø50 mm between (1/2" - 2") including (2")	2,68	2,15
25.365.1202	Ø50 mm - Ø100 mm between (2" - 4") including (4")	5,31	4,29
25.365.1203	Ø100 mm - Ø150 mm between (4" - 6") including (6")	7,83	6,30

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.365.1204	Ø150 mm - Ø200 mm between (6" - 8") including (8")	10,46	8,43
25.365.1205	Ø200 mm - Ø250 mm between (8" - 10") including (10")	13,05	10,50
25.365.1206	Ø250 mm - Ø300 mm between (10" - 12") including (12")	15,68	12,61
25.365.1207	Ø300 mm - Ø350 mm between (12" - 14") including (14")	18,33	14,75
25.365.1208	Ø350 mm - Ø400 mm between (14" - 16") including (16")	20,93	16,84
25.365.1209	Ø400 mm - Ø450 mm between (16" - 18") including (18")	23,51	18,93
25.365.1210	Ø450 mm - Ø500 mm (18" to 20") and above	26,14	21,04
<b>25.365.2000</b>	<b>INSULATION AGAINST RUST:</b> After the cleaning of the metal surfaces, the application of heat by using fibrosing insulation membrane.		
25.365.2100	Fiberglass insulation on sheet metal surfaces such as reservoirs; (Unit: m <sup>2</sup> )	13,54	5,36
<b>25.365.2200</b>	<b>Fiberglass insulation on pipes; (Unit: m)</b>		
25.365.2201	Ø15 mm - Ø50 mm between (1/2" - 2") including (2")	2,19	0,88
25.365.2202	Ø50 mm - Ø100 mm between (2" - 4") including (4")	4,15	1,61
25.365.2203	Ø100 mm - Ø150 mm between (4" - 6") including (6")	6,33	2,49
25.365.2204	Ø150 mm - Ø200 mm between (6" - 8") including (8")	8,56	3,41
25.365.2205	Ø200 mm - Ø250 mm between (8" - 10") including (10")	10,75	4,29
25.365.2206	Ø250 mm - Ø300 mm between (10" - 12") including (12")	12,71	5,03
25.365.2207	Ø300 mm - Ø350 mm between (12" - 14") including (14")	14,89	5,90
25.365.2208	Ø350 mm - Ø400 mm (14" - 16") and above	17,09	6,79
<b>25.365.3000</b>	<b>WELDED MANUFACTURING WORKS: (Unit: kg: Materials on construction site 60%)</b>		
<b>25.365.3100</b>	<b>To be made of steel profiles by welding, to be used after the grinding of the weld seams only (in compliance with the design drawing, including the material). Unit price of construction works shall be paid from 15.550.1202</b>		
25.365.3200	To be made of brass profile or bars by welding or riveting, to be used after the grinding of the weld seam only (in compliance with the design drawing, including the material).	44,68	3,43
25.365.3300	To be made of aluminum profile and bars by welding or riveting, to be used after the grinding of the weld seam only (in compliance with the design drawing, including the material).	22,55	3,43
<b>25.400.0000</b>	<b>TECHNICAL INSULATION (with rock wool and glass wool): Materials on construction side: 40% (TS EN 14303)</b> It shall be in compliance with the Directive (305/2011/EC) on Construction Products and be released with a CE compliance marking. In case glass wool and rock wool prefabricated pipe insulation materials are not used, rabbit wire rock wool mattress shall have a density not less than 90 kg/m <sup>3</sup> and the rock wool plate not less than 70 kg/m <sup>3</sup> . The amount of chlorine in the rock wool mattress and sheets shall be <10 ppm. NOTE: Rock wool prefabricated pipes shall be used at temperatures above 250°C.		

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.400.1000	<p><b>Heat insulation of aluminum (type 3003 or 3105 H14 or H16 alloy) coated with use of rabbit wire rock wool mattress technical insulation material; (Unit: m<sup>2</sup>)</b>                      Following the cleaning of the rust from the surfaces of storage tanks, flat metal surfaces etc. and painting with two coats of red lead paint, insulation with rabbit wire rock wool mattress of 90 kg/m<sup>3</sup> or rock wool plate of 70 kg/m<sup>3</sup> density technical insulation material; the mandatory use of spacers for 200 mm or bigger diameters; the fixing of spacers with welding on the pressure vessels and devices that must be subjected to pressure testing; the spacers to be of 20 x 2 mm fish plate for the diameters up to 1 m, 20 x 3 mm for the diameters bigger than 1 m by bending the spacers; in order to avoid the heat bridges, the placing of heat insulating plates of min. 5 mm thickness between spacers holding arms and the outer ring and between the outer ring and the coating sheet, leaving of expansion gaps on the outer rings of spacers surrounding the very big diameter tanks against expansion; in case the circumference of the insulation exceeds 300 mm 0.8, less than 300 mm 0.6 mm thick aluminum sheet to be coated provided that aluminum sheet edges are set off 5 cm at the knit lines and the edges of the aluminum sheets are overlapped 5 cm with each other; cords are made to each piece of aluminum sheets transversely and longitudinally; the ones not to be dismantled after the installation shall be fixed with rivets and the ones possibly to be dismantled after the installation shall be fixed with alloyed or stainless steel bolts and plastic/neoprene joints of every 10 cm; where the aluminum coating ends, the strength to be increased by putting circumferential cords consisting of 2 or more Qty., the insulation of pipes with diameter bigger than 10" to be made with rock wool mattress with thickness according to the design and the stitching of longitudinal knit lines with 1.2 mm diameter stainless steel wire, winding with 1.2 mm diameter steel wire at every 30 cm, for insulations exceeding an outer diameter of 300 mm, using stainless steel or an aluminum cords with 13 mm width and 0.5 mm thick each at every 30 cm instead of the wire on the outer layer of the insulation set up and coating with aluminum and fixing with bolts and plastic/neoprene joints at every 20 cm or fixing with at least 13 mm width and 0.5 mm thick stainless steel or aluminum cord at every 30 cm. (*) In case wire rock wool mattress with a density of 125 kg/m<sup>3</sup> is used in the heat and sound insulation, the unit price including the installation shall be increased by 45% and, if rock wool plate with a density of 110 kg/m<sup>3</sup> is used, the increase shall be by 60%.                      Note: (Rockwool mattress type material with a density of 70-80 kg / m<sup>3</sup> not to be used for heat and sound insulation) (red lead paint is not included in the price)</p>		
25.400.1001	3.0 cm thick rabbit wire rock wool mattress	38,93	23,43
25.400.1002	4.0 cm thick rabbit wire rock wool mattress	46,96	28,29
25.400.1003	5.0 cm thick rabbit wire rock wool mattress	53,51	30,01
25.400.1004	6.0 cm thick rabbit wire rock wool mattress	61,94	31,71
25.400.1005	8.0 cm thick rabbit wire rock wool mattress	75,65	35,14
25.400.1006	10 cm thick rabbit wire rock wool mattress	88,76	40,00
25.400.1007	12 cm thick rabbit wire rock wool mattress	100,45	43,43
25.400.1020	Rock wool plate with 4.0 cm thickness	40,03	28,29
25.400.1021	Rock wool plate with 5.0 cm thickness	44,54	30,01

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.400.1022	Rock wool plate with 6.0 cm thickness	49,33	31,71
25.400.1023	Rock wool plate with 8.0 cm thickness	58,26	35,14
25.400.1024	Rock wool plate with 10 cm thickness	68,04	40,00
25.400.1025	Rock wool plate with 12 cm thickness	80,30	43,43
<b>25.400.2000</b>	<b>Glass wool based prefabricated pipe insulation; (Unit: m:)</b> After the painting of the pipe with the red lead paint against corrosion, the insulation of the pipe with prefabricated pipe insulation material selected in conformance with the pipe outer diameter, the placing of the insulation material by widening the cut edge, binding with thin wire at every 30 cm (to be used for the piping systems with fluids at lower than 250°C temperature.) - Item 230-1200 unit price pose shall be used for cold fluid system pipes. - Red lead paint is not included in the unit price. Glass wool Pipe Outer Diameter Wall Thickness		
25.400.2001	(1/2") Ø21 mm 25 mm	7,08	3,36
25.400.2002	(1/2") Ø21 mm 30 mm	8,15	3,36
25.400.2003	Ø21 mm 40 mm	11,20	3,36
25.400.2004	Ø21 mm 50 mm	14,64	3,36
25.400.2005	Ø21 mm 60 mm	17,86	3,36
25.400.2006	(3/4") Ø27 mm 25 mm	7,14	3,36
25.400.2007	(3/4") Ø27 mm 30 mm	8,45	3,36
25.400.2008	Ø27 mm 40 mm	12,43	3,86
25.400.2009	Ø27 mm 50 mm	16,14	3,86
25.400.2010	Ø27 mm 60 mm	19,38	3,86
25.400.2011	(1") Ø34 mm 30 mm	9,61	3,86
25.400.2012	(1") Ø34 mm 40 mm	13,03	3,86
25.400.2013	Ø34 mm 50 mm	16,50	3,86
25.400.2014	Ø34 mm 60 mm	20,81	3,86
25.400.2015	(1¼") Ø42 mm 30 mm	10,04	3,86
25.400.2016	(1¼") Ø42 mm 40 mm	13,86	3,86
25.400.2017	Ø42 mm 50 mm	17,83	3,86
25.400.2018	Ø42 mm 60 mm	22,14	3,86
25.400.2019	(1½") Ø48 mm 30 mm	10,63	3,86
25.400.2020	(1½") Ø48 mm 40 mm	14,23	3,86
25.400.2021	Ø48 mm 50 mm	18,18	3,86
25.400.2022	Ø48 mm 60 mm	22,61	3,86
25.400.2023	Ø57 mm 30 mm	11,55	4,54
25.400.2024	Ø57 mm 40 mm	14,60	4,54
25.400.2025	Ø57 mm 50 mm	18,31	4,54
25.400.2026	Ø57 mm 60 mm	23,46	4,54
25.400.2027	(2") Ø60 mm 30 mm	12,80	4,54
25.400.2028	(2") Ø60 mm 40 mm	16,51	4,54
25.400.2029	Ø60 mm 50 mm	20,34	4,54
25.400.2030	Ø60 mm 60 mm	25,50	4,54
25.400.2031	Ø60 mm 80 mm	36,40	4,54
25.400.2032	Ø63 mm 30 mm	13,23	5,38
25.400.2033	Ø63 mm 40 mm	17,30	5,38



**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.400.2034	Ø63 mm 50 mm	20,41	5,38
25.400.2035	Ø63 mm 60 mm	26,70	5,38
25.400.2036	Ø63 mm 80 mm	37,00	5,38
25.400.2037	Ø70 mm 30 mm	13,46	5,38
25.400.2038	Ø70 mm 40 mm	18,25	5,38
25.400.2039	Ø70 mm 50 mm	21,13	5,38
25.400.2040	Ø70 mm 60 mm	28,26	5,38
25.400.2041	Ø70 mm 80 mm	39,04	5,38
25.400.2042	Ø76 mm 30 mm	14,54	5,38
25.400.2043	Ø76 mm 40 mm	19,69	5,38
25.400.2044	Ø76 mm 50 mm	22,80	5,38
25.400.2045	Ø76 mm 60 mm	30,89	5,38
25.400.2046	Ø76 mm 80 mm	40,60	5,38
25.400.2047	Ø83 mm 40 mm	20,21	6,05
25.400.2048	Ø83 mm 50 mm	23,00	6,05
25.400.2049	Ø83 mm 60 mm	30,68	6,05
25.400.2050	Ø83 mm 80 mm	43,13	6,05
25.400.2051	Ø89 mm 40 mm	22,15	6,40
25.400.2052	Ø89 mm 50 mm	26,83	6,40
25.400.2053	Ø89 mm 60 mm	32,21	6,40
25.400.2054	Ø89 mm 80 mm	45,04	6,40
25.400.2055	Ø102 mm 40 mm	23,04	7,23
25.400.2056	Ø102 mm 50 mm	29,15	7,23
25.400.2057	Ø102 mm 60 mm	33,34	7,23
25.400.2058	Ø102 mm 80 mm	46,53	7,23
25.400.2059	Ø108 mm 40 mm	24,71	7,58
25.400.2060	Ø108 mm 50 mm	30,34	7,58
25.400.2061	Ø108 mm 60 mm	35,85	7,58
25.400.2062	Ø108 mm 80 mm	50,10	7,58
25.400.2063	Ø114 mm 40 mm	26,74	7,93
25.400.2064	Ø114 mm 50 mm	32,00	7,93
25.400.2065	Ø114 mm 60 mm	38,84	7,93
25.400.2066	Ø114 mm 80 mm	54,41	7,93
25.400.2067	Ø127 mm 40 mm	28,68	9,09
25.400.2068	Ø127 mm 50 mm	33,35	9,09
25.400.2069	Ø127 mm 60 mm	41,49	9,09
25.400.2070	Ø127 mm 80 mm	56,35	9,09
25.400.2071	Ø133 mm 50 mm	34,71	9,44
25.400.2072	Ø133 mm 60 mm	43,70	9,44
25.400.2073	Ø133 mm 80 mm	59,04	9,44
25.400.2074	Ø140 mm 50 mm	38,13	9,91
25.400.2075	Ø140 mm 60 mm	46,39	9,91
25.400.2076	Ø140 mm 80 mm	63,89	9,91
25.400.2077	Ø159 mm 50 mm	40,90	11,43
25.400.2078	Ø159 mm 60 mm	49,76	11,43
25.400.2079	Ø159 mm 80 mm	67,44	11,43
25.400.2080	Ø169 mm 50 mm	44,60	11,78

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.400.2081	Ø169 mm 60 mm	55,26	11,78
25.400.2082	Ø169 mm 80 mm	74,19	11,78
25.400.2083	Ø193 mm 50 mm	48,96	13,63
25.400.2084	Ø193 mm 60 mm	60,46	13,63
25.400.2085	Ø193 mm 80 mm	81,79	13,63
25.400.2086	Ø219 mm 50 mm	54,90	15,49
25.400.2087	Ø219 mm 60 mm	68,33	15,49
25.400.2088	Ø219 mm 80 mm	95,88	15,49
25.400.2089	Ø244 mm 50 mm	61,94	17,01
25.400.2090	Ø244 mm 60 mm	73,68	17,01
25.400.2091	Ø244 mm 80 mm	101,83	17,01
25.400.2092	Ø273 mm 50 mm	68,95	19,35
25.400.2093	Ø273 mm 60 mm	80,33	19,35
25.400.2094	Ø273 mm 80 mm	110,88	19,35
<b>25.400.2500</b>	<p><b>Rock Wool Based Aluminum Foil Coated Prefabricated Pipe Insulation: (Unit: m ) (TS EN 14303)</b></p> <p>To be in compliance with the Regulation 305/2011/EC on Construction Products and released with a CE compliance marking. Following the painting of the pipe with red lead paint for protection against, insulation with the prefabricated glass wool pipe insulation material selected in conformance with the outer pipe diameter and sticking the transversal splices with self-sticking aluminum folio in a watertight manner.</p> <p>- Red lead paint is not included in the unit price.</p> <p>Glass wool Pipe Outer Diameter Wall Thickness</p>		
25.400.2501	(1/4") Ø15 mm 25 mm	9,16	2,69
25.400.2502	(1/4") Ø15 mm 30 mm	9,99	2,69
25.400.2503	(1/4") Ø15 mm 40 mm	12,85	2,69
25.400.2504	(1/4") Ø15 mm 50 mm	16,34	2,69
25.400.2505	(1/2") Ø21 mm 25 mm	10,16	3,36
25.400.2506	(1/2") Ø21 mm 30 mm	11,33	3,36
25.400.2507	(1/2") Ø21 mm 40 mm	14,03	3,36
25.400.2508	(1/2") Ø21 mm 50 mm	18,10	3,36
25.400.2509	(1/2") Ø21 mm 60 mm	20,98	3,36
25.400.2510	(3/4") Ø27 mm 25 mm	11,16	3,86
25.400.2511	(3/4") Ø27 mm 30 mm	12,18	3,86
25.400.2512	(3/4") Ø27 mm 40 mm	15,30	3,86
25.400.2513	(3/4") Ø27 mm 50 mm	19,01	3,86
25.400.2514	(3/4") Ø27 mm 60 mm	22,38	3,86
25.400.2515	(1") Ø33 mm 25 mm	11,59	3,86
25.400.2516	(1") Ø33 mm 30 mm	12,91	3,86
25.400.2517	(1") Ø33 mm 40 mm	16,14	3,86
25.400.2518	(1") Ø33 mm 50 mm	19,74	3,86
25.400.2519	(1") Ø33 mm 60 mm	24,41	3,86
25.400.2520	(1¼") Ø42 mm 25 mm	12,19	3,86
25.400.2521	(1¼") Ø42 mm 30 mm	13,51	3,86
25.400.2522	(1¼") Ø42 mm 40 mm	17,10	3,86

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.400.2523	(1¼") Ø42 mm 50 mm	22,01	3,86
25.400.2524	(1¼") Ø42 mm 60 mm	25,13	3,86
25.400.2525	(1½") Ø48 mm 25 mm	13,03	3,86
25.400.2526	(1½") Ø48 mm 30 mm	14,10	3,86
25.400.2527	(1½") Ø48 mm 40 mm	17,94	3,86
25.400.2528	(1½") Ø48 mm 50 mm	22,01	3,86
25.400.2529	(1½") Ø48 mm 60 mm	27,04	3,86
25.400.2530	(2") Ø60 mm 25 mm	14,60	4,54
25.400.2531	(2") Ø60 mm 30 mm	15,91	4,54
25.400.2532	(2") Ø60 mm 40 mm	20,54	4,54
25.400.2533	(2") Ø60 mm 50 mm	23,95	4,54
25.400.2534	(2") Ø60 mm 60 mm	29,94	4,54
25.400.2535	(2") Ø60 mm 80 mm	43,11	4,54
25.400.2536	(2½") Ø76 mm 25 mm	17,05	5,38
25.400.2537	(2½") Ø76 mm 30 mm	18,61	5,38
25.400.2538	(2½") Ø76 mm 40 mm	23,73	5,38
25.400.2539	(2½") Ø76 mm 50 mm	27,11	5,38
25.400.2540	(2½") Ø76 mm 60 mm	33,23	5,38
25.400.2541	(2½") Ø76 mm 80 mm	49,16	5,38
25.400.2542	(2½") Ø76 mm 100 mm	61,50	5,38
25.400.2543	(3") Ø89 mm 25 mm	19,28	6,40
25.400.2544	(3") Ø89 mm 30 mm	21,08	6,40
25.400.2545	(3") Ø89 mm 40 mm	26,11	6,40
25.400.2546	(3") Ø89 mm 50 mm	30,18	6,40
25.400.2547	(3") Ø89 mm 60 mm	37,36	6,40
25.400.2548	(3") Ø89 mm 80 mm	53,43	6,40
25.400.2549	(3") Ø89 mm 100 mm	74,75	6,40
25.400.2550	(4") Ø114 mm 25 mm	18,83	7,93
25.400.2551	(4") Ø114 mm 30 mm	25,30	7,93
25.400.2552	(4") Ø114 mm 40 mm	31,29	7,93
25.400.2553	(4") Ø114 mm 50 mm	35,96	7,93
25.400.2554	(4") Ø114 mm 60 mm	44,10	7,93
25.400.2555	(4") Ø114 mm 80 mm	59,91	7,93
25.400.2556	(4") Ø114 mm 100 mm	90,85	7,93
25.400.2557	(5") Ø140 mm 30 mm	31,65	9,91
25.400.2558	(5") Ø140 mm 40 mm	37,16	9,91
25.400.2559	(5") Ø140 mm 50 mm	42,08	9,91
25.400.2560	(5") Ø140 mm 60 mm	51,90	9,91
25.400.2561	(5") Ø140 mm 80 mm	69,88	9,91
25.400.2562	(5") Ø140 mm 100 mm	101,41	9,91
25.400.2563	(6") Ø169 mm 30 mm	37,41	11,78
25.400.2564	(6") Ø169 mm 40 mm	42,69	11,78
25.400.2565	(6") Ø169 mm 50 mm	50,71	11,78
25.400.2566	(6") Ø169 mm 60 mm	60,65	11,78
25.400.2567	(6") Ø169 mm 80 mm	79,59	11,78
25.400.2568	(6") Ø169 mm 100 mm	111,60	11,78
25.400.2569	(8") Ø219 mm 30 mm	48,44	15,49

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.400.2570	(8") Ø219 mm 40 mm	59,43	15,49
25.400.2571	(8") Ø219 mm 50 mm	61,49	15,49
25.400.2572	(8") Ø219 mm 60 mm	77,85	15,49
25.400.2573	(8") Ø219 mm 80 mm	101,34	15,49
25.400.2574	(8") Ø219 mm 100 mm	131,19	15,49
25.400.2575	(10") Ø273 mm 30 mm	58,16	19,35
25.400.2576	(10") Ø273 mm 40 mm	71,34	19,35
25.400.2577	(10") Ø273 mm 50 mm	75,54	19,35
25.400.2578	(10") Ø273 mm 60 mm	86,91	19,35
25.400.2579	(10") Ø273 mm 80 mm	121,46	19,35
25.400.2580	(12") Ø324 mm 30 mm	65,13	22,71
25.400.2581	(12") Ø324 mm 40 mm	79,10	22,71
25.400.2582	(12") Ø324 mm 50 mm	86,69	22,71
25.400.2583	(12") Ø324 mm 60 mm	96,28	22,71
25.400.2584	(14") Ø356 mm 30 mm	69,74	25,05
25.400.2585	(14") Ø356 mm 40 mm	83,21	25,05
25.400.2586	(14") Ø356 mm 50 mm	91,30	25,05
<b>25.400.3000</b>	<p><b>Rock Wool Based Prefabricated Pipe Insulation: (Unit: m ) (TS EN 14303)</b></p> <p>Shall be in compliance with the Regulation (EU) No.305/2011 Construction Products and released with a CE compliance marking. Following the painting of the pipe with red lead paint for protection against corrosion, insulation with the prefabricated glass wool pipe insulation material selected in conformance with the outer pipe diameter, placing of the insulation material on the pipe by widening the longitudinal slit, winding with thin wire at every 30 cm. (In cold fluid systems, aluminum foil coated prefabricated pipe insulation shall be used.)</p> <p>(Red lead paint is not included in the unit price.)</p> <p>Rock wool Pipe Outer Diameter Wall Thickness</p>		
25.400.3001	(1/4") Ø15 mm 25 mm	8,15	2,69
25.400.3002	(1/4") Ø15 mm 30 mm	9,86	2,69
25.400.3003	(1/4") Ø15 mm 40 mm	13,43	2,69
25.400.3004	(1/4") Ø15 mm 50 mm	15,20	2,69
25.400.3005	(1/2") Ø21 mm 25 mm	9,53	3,36
25.400.3006	(1/2") Ø21 mm 30 mm	11,05	3,36
25.400.3007	(1/2") Ø21 mm 40 mm	14,66	3,36
25.400.3008	(1/2") Ø21 mm 50 mm	17,34	3,36
25.400.3009	(1/2") Ø21 mm 60 mm	22,66	3,36
25.400.3010	(3/4") Ø27 mm 25 mm	10,79	3,86
25.400.3011	(3/4") Ø27 mm 30 mm	12,31	3,86
25.400.3012	(3/4") Ø27 mm 40 mm	16,11	3,86
25.400.3013	(3/4") Ø27 mm 50 mm	19,04	3,86
25.400.3014	(3/4") Ø27 mm 60 mm	24,50	3,86
25.400.3015	(1") Ø33 mm 25 mm	11,55	3,86
25.400.3016	(1") Ø33 mm 30 mm	13,20	3,86
25.400.3017	(1") Ø33 mm 40 mm	17,26	3,86
25.400.3018	(1") Ø33 mm 50 mm	20,31	3,86
25.400.3019	(1") Ø33 mm 60 mm	25,90	3,86

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.400.3020	(1¼") Ø42 mm 25 mm	12,50	3,86
25.400.3021	(1¼") Ø42 mm 30 mm	13,96	3,86
25.400.3022	(1¼") Ø42 mm 40 mm	17,90	3,86
25.400.3023	(1¼") Ø42 mm 50 mm	21,84	3,86
25.400.3024	(1¼") Ø42 mm 60 mm	27,93	3,86
25.400.3025	(1½") Ø48 mm 25 mm	13,45	3,86
25.400.3026	(1½") Ø48 mm 30 mm	14,98	3,86
25.400.3027	(1½") Ø48 mm 40 mm	19,04	3,86
25.400.3028	(1½") Ø48 mm 50 mm	23,36	3,86
25.400.3029	(1½") Ø48 mm 60 mm	29,58	3,86
25.400.3030	(2") Ø60 mm 25 mm	14,95	4,54
25.400.3031	(2") Ø60 mm 30 mm	16,10	4,54
25.400.3032	(2") Ø60 mm 40 mm	20,29	4,54
25.400.3033	(2") Ø60 mm 50 mm	26,39	4,54
25.400.3034	(2") Ø60 mm 60 mm	33,24	4,54
25.400.3035	(2") Ø60 mm 80 mm	45,05	4,54
25.400.3036	(2½") Ø76 mm 25 mm	16,61	5,38
25.400.3037	(2½") Ø76 mm 30 mm	18,01	5,38
25.400.3038	(2½") Ø76 mm 40 mm	24,11	5,38
25.400.3039	(2½") Ø76 mm 50 mm	29,70	5,38
25.400.3040	(2½") Ø76 mm 60 mm	37,83	5,38
25.400.3041	(2½") Ø76 mm 80 mm	48,88	5,38
25.400.3042	(2½") Ø76 mm 100 mm	66,78	5,38
25.400.3043	(3") Ø89 mm 25 mm	19,04	6,40
25.400.3044	(3") Ø89 mm 30 mm	20,18	6,40
25.400.3045	(3") Ø89 mm 40 mm	27,55	6,40
25.400.3046	(3") Ø89 mm 50 mm	33,76	6,40
25.400.3047	(3") Ø89 mm 60 mm	41,39	6,40
25.400.3048	(3") Ø89 mm 80 mm	55,24	6,40
25.400.3049	(3") Ø89 mm 100 mm	72,50	6,40
25.400.3050	(4") Ø114 mm 25 mm	23,93	7,93
25.400.3051	(4") Ø114 mm 30 mm	24,44	7,93
25.400.3052	(4") Ø114 mm 40 mm	30,53	7,93
25.400.3053	(4") Ø114 mm 50 mm	40,56	7,93
25.400.3054	(4") Ø114 mm 60 mm	46,79	7,93
25.400.3055	(4") Ø114 mm 80 mm	62,54	7,93
25.400.3056	(4") Ø114 mm 100 mm	89,59	7,93
25.400.3057	(5") Ø140 mm 30 mm	29,03	9,91
25.400.3058	(5") Ø140 mm 40 mm	36,14	9,91
25.400.3059	(5") Ø140 mm 50 mm	46,18	9,91
25.400.3060	(5") Ø140 mm 60 mm	55,31	9,91
25.400.3061	(5") Ø140 mm 80 mm	72,20	9,91
25.400.3062	(5") Ø140 mm 100 mm	102,05	9,91
25.400.3063	(6") Ø169 mm 30 mm	33,75	11,78
25.400.3064	(6") Ø169 mm 40 mm	42,76	11,78
25.400.3065	(6") Ø169 mm 50 mm	54,70	11,78
25.400.3066	(6") Ø169 mm 60 mm	63,98	11,78

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.400.3067	(6") Ø169 mm 80 mm	83,66	11,78
25.400.3068	(6") Ø169 mm 100 mm	113,50	11,78
25.400.3069	(8") Ø219 mm 30 mm	44,19	15,49
25.400.3070	(8") Ø219 mm 40 mm	55,11	15,49
25.400.3071	(8") Ø219 mm 50 mm	66,41	15,49
25.400.3072	(8") Ø219 mm 60 mm	78,48	15,49
25.400.3073	(8") Ø219 mm 80 mm	106,43	15,49
25.400.3074	(8") Ø219 mm 100 mm	136,60	15,49
25.400.3075	(10") Ø273 mm 30 mm	53,14	19,35
25.400.3076	(10") Ø273 mm 40 mm	66,21	19,35
25.400.3077	(10") Ø273 mm 50 mm	78,28	19,35
25.400.3078	(10") Ø273 mm 60 mm	94,79	19,35
25.400.3079	(10") Ø273 mm 80 mm	125,90	19,35
25.400.3080	(12") Ø324 mm 30 mm	61,58	22,71
25.400.3081	(12") Ø324 mm 40 mm	77,20	22,71
25.400.3082	(12") Ø324 mm 50 mm	92,44	22,71
25.400.3083	(12") Ø324 mm 60 mm	110,85	22,71
25.400.3084	(14") Ø356 mm 30 mm	69,88	25,05
25.400.3085	(14") Ø356 mm 40 mm	84,49	25,05
25.400.3086	(14") Ø356 mm 50 mm	101,00	25,05
<b>25.400.3500</b>	<p><b>Rock Wool Based Aluminum Foil Coated Prefabricated Pipe Insulation: (Unit: m ) (TS EN 14303)</b>                      Shall be in compliance with the Directive (305/2011/CE) on Construction Products and released with CE compliance marking. Following the painting of the pipe with red lead paint for protection against corrosion, insulation with the prefabricated rock wool pipe insulation material selected in conformance with the outer pipe diameter, coated with aluminum folio strip and sticking of the joints with self adhesive aluminum folio longitudinally and transversally by providing the tightness. (In cold fluid systems, aluminum foil coated prefabricated pipe insulation shall be used.) (The red lead paint is not included in the price)                      Rock wool                      Pipe Outer Diameter Wall Thickness</p>		
25.400.3501	(1/4") Ø15 mm 25 mm	11,33	2,69
25.400.3502	(1/4") Ø15 mm 30 mm	13,16	2,69
25.400.3503	(1/4") Ø15 mm 40 mm	16,46	2,69
25.400.3504	(1/4") Ø15 mm 50 mm	19,78	2,69
25.400.3505	(1/2") Ø21 mm 25 mm	11,94	3,36
25.400.3506	(1/2") Ø21 mm 30 mm	13,90	3,36
25.400.3507	(1/2") Ø21 mm 40 mm	17,08	3,36
25.400.3508	(1/2") Ø21 mm 50 mm	21,53	3,36
25.400.3509	(1/2") Ø21 mm 60 mm	25,84	3,36
25.400.3510	(3/4") Ø27 mm 25 mm	13,33	3,86
25.400.3511	(3/4") Ø27 mm 30 mm	15,35	3,86
25.400.3512	(3/4") Ø27 mm 40 mm	18,91	3,86
25.400.3513	(3/4") Ø27 mm 50 mm	22,98	3,86
25.400.3514	(3/4") Ø27 mm 60 mm	27,93	3,86
25.400.3515	(1") Ø33 mm 25 mm	13,96	3,86

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.400.3516	(1") Ø33 mm 30 mm	16,50	3,86
25.400.3517	(1") Ø33 mm 40 mm	19,80	3,86
25.400.3518	(1") Ø33 mm 50 mm	23,99	3,86
25.400.3519	(1") Ø33 mm 60 mm	29,33	3,86
25.400.3520	(1¼") Ø42 mm 25 mm	15,49	3,86
25.400.3521	(1¼") Ø42 mm 30 mm	17,26	3,86
25.400.3522	(1¼") Ø42 mm 40 mm	20,81	3,86
25.400.3523	(1¼") Ø42 mm 50 mm	25,90	3,86
25.400.3524	(1¼") Ø42 mm 60 mm	31,74	3,86
25.400.3525	(1½") Ø48 mm 25 mm	16,75	3,86
25.400.3526	(1½") Ø48 mm 30 mm	18,40	3,86
25.400.3527	(1½") Ø48 mm 40 mm	22,21	3,86
25.400.3528	(1½") Ø48 mm 50 mm	27,30	3,86
25.400.3529	(1½") Ø48 mm 60 mm	34,03	3,86
25.400.3530	(2") Ø60 mm 25 mm	18,64	4,54
25.400.3531	(2") Ø60 mm 30 mm	19,78	4,54
25.400.3532	(2") Ø60 mm 40 mm	24,10	4,54
25.400.3533	(2") Ø60 mm 50 mm	30,58	4,54
25.400.3534	(2") Ø60 mm 60 mm	35,91	4,54
25.400.3535	(2") Ø60 mm 80 mm	54,06	4,54
25.400.3536	(2½") Ø76 mm 25 mm	21,19	5,38
25.400.3537	(2½") Ø76 mm 30 mm	22,08	5,38
25.400.3538	(2½") Ø76 mm 40 mm	27,41	5,38
25.400.3539	(2½") Ø76 mm 50 mm	34,90	5,38
25.400.3540	(2½") Ø76 mm 60 mm	42,90	5,38
25.400.3541	(2½") Ø76 mm 80 mm	57,39	5,38
25.400.3542	(2½") Ø76 mm 100 mm	77,58	5,38
25.400.3543	(3") Ø89 mm 25 mm	22,98	6,40
25.400.3544	(3") Ø89 mm 30 mm	25,00	6,40
25.400.3545	(3") Ø89 mm 40 mm	31,61	6,40
25.400.3546	(3") Ø89 mm 50 mm	38,60	6,40
25.400.3547	(3") Ø89 mm 60 mm	46,85	6,40
25.400.3548	(3") Ø89 mm 80 mm	64,89	6,40
25.400.3549	(3") Ø89 mm 100 mm	85,84	6,40
25.400.3550	(4") Ø114 mm 25 mm	28,38	7,93
25.400.3551	(4") Ø114 mm 30 mm	30,28	7,93
25.400.3552	(4") Ø114 mm 40 mm	37,14	7,93
25.400.3553	(4") Ø114 mm 50 mm	45,26	7,93
25.400.3554	(4") Ø114 mm 60 mm	52,00	7,93
25.400.3555	(4") Ø114 mm 80 mm	74,35	7,93
25.400.3556	(4") Ø114 mm 100 mm	99,75	7,93
25.400.3557	(5") Ø140 mm 30 mm	34,89	9,91
25.400.3558	(5") Ø140 mm 40 mm	42,11	9,91
25.400.3559	(5") Ø140 mm 50 mm	51,00	9,91
25.400.3560	(5") Ø140 mm 60 mm	61,16	9,91
25.400.3561	(5") Ø140 mm 80 mm	84,28	9,91
25.400.3562	(5") Ø140 mm 100 mm	115,39	9,91

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.400.3563	(6") Ø169 mm 30 mm	41,88	11,78
25.400.3564	(6") Ø169 mm 40 mm	50,39	11,78
25.400.3565	(6") Ø169 mm 50 mm	61,18	11,78
25.400.3566	(6") Ø169 mm 60 mm	69,69	11,78
25.400.3567	(6") Ø169 mm 80 mm	96,36	11,78
25.400.3568	(6") Ø169 mm 100 mm	127,48	11,78
25.400.3569	(8") Ø219 mm 30 mm	52,95	15,49
25.400.3570	(8") Ø219 mm 40 mm	64,64	15,49
25.400.3571	(8") Ø219 mm 50 mm	74,04	15,49
25.400.3572	(8") Ø219 mm 60 mm	86,10	15,49
25.400.3573	(8") Ø219 mm 80 mm	117,85	15,49
25.400.3574	(8") Ø219 mm 100 mm	147,39	15,49
25.400.3575	(10") Ø273 mm 30 mm	63,55	19,35
25.400.3576	(10") Ø273 mm 40 mm	73,20	19,35
25.400.3577	(10") Ø273 mm 50 mm	86,54	19,35
25.400.3578	(10") Ø273 mm 60 mm	104,31	19,35
25.400.3579	(10") Ø273 mm 80 mm	141,78	19,35
25.400.3580	(12") Ø324 mm 30 mm	72,75	22,71
25.400.3581	(12") Ø324 mm 40 mm	88,63	22,71
25.400.3582	(12") Ø324 mm 50 mm	104,50	22,71
25.400.3583	(12") Ø324 mm 60 mm	122,91	22,71
25.400.3584	(14") Ø356 mm 30 mm	81,31	25,05
25.400.3585	(14") Ø356 mm 40 mm	97,83	25,05
25.400.3586	(14") Ø356 mm 50 mm	113,06	25,05
<b>25.400.4000</b>	<p><b>Isolation of polyethylene based prefabricated pipes: (Unit: m) (TS EN 14313)</b></p> <p>To be in compliance with the Regulation 305/2011/EC on Construction Products and released with a CE compliance marking. The cleaning of rust and dirt and painting with two coats of red lead paint of pipe surface to be insulated with prefabricated pipe insulation material of approximately 35 kg/m<sup>3</sup> density, resistant to temperatures between -45°C and + 105°C, produced by extrusion from pipe shaped polyethylene based material conforming to the external diameter of pipes, after selecting according to the pipe outside diameter and fixing of two meters long prefabricated polyethylene insulation material, sticking the two edges with an adhesive developed especially for polyethylene, affixing the joints of the pipe insulation material with self sticking band at every two meters, at the places where bonding can not be made (valves etc.) and similar, the use of self adhesive polyethylene band or clips, where the prefabricated polyethylene insulation material is used in outdoor environments, the use of specially produced varnish for "UV" protection is mandatory and no extra price shall be paid for that. Supply and on-site installation of the above mentioned insulation materials. (excluding the cost of the red lead paint). Polyethylene Wall Pipe Outer Diameter Thickness</p>		
25.400.4001	(1/2") Ø22 mm 10 mm	1,75	1,18
25.400.4002	(1/2") Ø22 mm 15 mm	2,13	1,18
25.400.4003	(1/2") Ø22 mm 20 mm	2,95	1,18



**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.400.4004	(1/2") Ø22 mm 30 mm	5,43	1,18
25.400.4005	(3/4") Ø28 mm 10 mm	2,19	1,53
25.400.4006	(3/4") Ø28 mm 15 mm	2,71	1,53
25.400.4007	(3/4") Ø28 mm 20 mm	3,44	1,53
25.400.4008	(3/4") Ø28 mm 30 mm	6,14	1,53
25.400.4009	(1") Ø35 mm 10 mm	2,35	1,53
25.400.4010	(1") Ø35 mm 15 mm	2,84	1,53
25.400.4011	(1") Ø35 mm 20 mm	3,74	1,53
25.400.4012	(1") Ø35 mm 30 mm	6,80	1,53
25.400.4013	(1¼") Ø42 mm 10 mm	2,80	1,88
25.400.4014	(1¼") Ø42 mm 15 mm	3,38	1,88
25.400.4015	(1¼") Ø42 mm 20 mm	4,90	1,88
25.400.4016	(1¼") Ø42 mm 30 mm	7,75	1,88
25.400.4017	(1½") Ø48 mm 10 mm	2,83	1,88
25.400.4018	(1½") Ø48 mm 15 mm	3,71	1,88
25.400.4019	(1½") Ø48 mm 20 mm	5,26	1,88
25.400.4020	(1½") Ø48 mm 30 mm	8,74	1,88
25.400.4021	(2") Ø60 mm 10 mm	4,03	2,69
25.400.4022	(2") Ø60 mm 15 mm	5,08	2,69
25.400.4023	(2") Ø60 mm 20 mm	7,19	2,69
25.400.4024	(2") Ø60 mm 30 mm	11,68	2,69
25.400.4025	(2½") Ø76 mm 10 mm	4,86	3,04
25.400.4026	(2½") Ø76 mm 15 mm	6,33	3,04
25.400.4027	(2½") Ø76 mm 20 mm	8,39	3,04
25.400.4028	(2½") Ø76 mm 30 mm	16,10	3,04
25.400.4029	(3") Ø89 mm 10 mm	6,38	3,71
25.400.4030	(3") Ø89 mm 15 mm	7,64	3,71
25.400.4031	(3") Ø89 mm 20 mm	10,31	3,71
25.400.4032	(3") Ø89 mm 30 mm	21,73	3,71
25.400.4033	(4") Ø114 mm 15 mm	9,54	4,89
25.400.4034	(4") Ø114 mm 20 mm	13,30	4,89
25.400.4035	(4") Ø114 mm 30 mm	24,60	4,89
25.400.4036	(5") Ø139 mm 20 mm	22,20	4,89

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.400.4500</b>	<p><b>Aluminum Composite Film Coated Polyethylene Based Prefabricated Pipe Insulation: (Unit: m ) (TS EN 14313):</b>                      The products shall be in compliance with the Directive (305/2011/EC) on Construction Products and be released with CE compliance marking. The cleaning of rust and dirt and painting with red lead paint of pipe surface to be insulated with prefabricated pipe insulation material of approximately 35 kg/m<sup>3</sup> density, laminated with 3 layers of aluminum composite film with 50-100 micron thickness, heat efficiency of (0 C)λ ≤ 0.040 W/mK, water vapor diffusion resistance coefficient μ≥16,000, resistant to temperatures between -45°C and + 105°C, produced by extrusion from pipe shaped polyethylene based material conforming to the external diameter of pipes, after selecting according to the pipe outside diameter and fixing of two meters long prefabricated polyethylene insulation material with aluminum coating, sticking the two edges with an adhesive developed especially for polyethylene, affixing the joints of the pipe insulation material with self sticking aluminum folio band at every two meters, at the places where bonding can not be made (valves etc.) and similar, self adhesive aluminum folio band shall be used. The supply and on-site installation of the aforesaid material (excluding the price of red lead paint). The fire resistance according to TS 13501-1 as well as λ and μ values shall be proven with test reports.                      Pipe Outer Diameter Insulation wall thickness</p>		
25.400.4501	(1/2") Ø22 mm 10 mm	3,15	1,18
25.400.4502	(1/2") Ø22 mm 15 mm	3,48	1,18
25.400.4503	(1/2") Ø22 mm 20 mm	6,38	1,18
25.400.4504	(1/2") Ø22 mm 30 mm	11,30	1,18
25.400.4505	(3/4") Ø28 mm 10 mm	3,81	1,53
25.400.4506	(3/4") Ø28 mm 15 mm	5,60	1,53
25.400.4507	(3/4") Ø28 mm 20 mm	7,56	1,53
25.400.4508	(3/4") Ø28 mm 30 mm	12,55	1,53
25.400.4509	(1") Ø35 mm 10 mm	4,19	1,53
25.400.4510	(1") Ø35 mm 15 mm	6,19	1,53
25.400.4511	(1") Ø35 mm 20 mm	8,45	1,53
25.400.4512	(1") Ø35 mm 30 mm	13,55	1,53
25.400.4513	(1¼") Ø42 mm 10 mm	5,29	1,88
25.400.4514	(1¼") Ø42 mm 15 mm	7,14	1,88
25.400.4515	(1¼") Ø42 mm 20 mm	10,45	1,88
25.400.4516	(1¼") Ø42 mm 30 mm	15,23	1,88
25.400.4517	(1½") Ø48 mm 10 mm	5,43	1,88
25.400.4518	(1½") Ø48 mm 15 mm	8,20	1,88
25.400.4519	(1½") Ø48 mm 20 mm	12,16	1,88
25.400.4520	(1½") Ø48 mm 30 mm	16,93	1,88
25.400.4521	(2") Ø60 mm 10 mm	7,51	2,69
25.400.4522	(2") Ø60 mm 15 mm	11,00	2,69
25.400.4523	(2") Ø60 mm 20 mm	15,49	2,69
25.400.4524	(2") Ø60 mm 30 mm	20,89	2,69
25.400.4525	(2½") Ø76 mm 10 mm	9,55	3,04

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.400.4526	(2½") Ø76 mm 15 mm	13,06	3,04
25.400.4527	(2½") Ø76 mm 20 mm	18,39	3,04
25.400.4528	(2½") Ø76 mm 30 mm	23,78	3,04
25.400.4529	(3") Ø89 mm 10 mm	11,91	3,71
25.400.4530	(3") Ø89 mm 15 mm	15,13	3,71
25.400.4531	(3") Ø89 mm 20 mm	19,50	3,71
25.400.4532	(3") Ø89 mm 30 mm	26,59	3,71
25.400.4533	(4") Ø114 mm 15 mm	19,24	4,89
25.400.4534	(4") Ø114 mm 20 mm	25,28	4,89
25.400.4535	(4") Ø114 mm 30 mm	32,14	4,89
25.400.4536	(5") Ø139 mm 20 mm	35,04	4,89
25.400.4537	(5") Ø139 mm 30 mm	46,66	4,89
25.400.4538	(6") Ø165 mm 20 mm	42,93	4,89
25.400.4539	(6") Ø165 mm 30 mm	57,78	4,89
<b>25.400.5000</b>	<p><b>Cold line insulation with rubber based prefabricated pipe: (Unit: m ) (TS EN 14304)</b></p> <p>The products shall be in compliance with the Directive (305/2011/ EC) on Construction Products and be released with CE compliance marking. prefabricated pipe insulation material produced by extrusion from pipe shaped elastomeric rubber foam based material conforming to the external diameter of pipes, to be used for the insulation of cold and lukewarm surfaces between -45°C and + 105°C temperature, with a heat efficiency of (0 C)λ≤0.040 W/mK, water vapor diffusion resistance coefficient μ≥7000, the fire reaction class is at least "normal flammable" according to TS EN 13501-1, with 40-75 kg/m³ density in average, closed cell; and the cleaning of rust and dirt and painting with two coats of red lead paint of pipe surface to be insulated, after selecting according to the pipe outside diameter and fixing of two meters long prefabricated elastomeric insulation material with aluminum coating, sticking the two edges with an adhesive developed especially for polyethylene, affixing the joints of the pipe insulation material with self sticking elastomeric rubber band at every two meters, at the places where bonding can not be made (valves etc.), winding with self adhesive rubber band until the winding reach a thickness equal to the selected insulation thickness, where the prefabricated elastomeric rubber foam insulation material is used in outdoor environments, the use of specially produced paint for UV protection is mandatory in order to protect it against external effects and no extra price shall be paid for that. The supply and on-site installation of the aforesaid insulation material (excluding the price of red lead paint and UV paint). NOTE: The unit price including installation shall be raised by 7% if two layers of UV protection varnish is used. In addition, if the coating material is used, it is paid from the relevant unit price positions (4") For pipes with diameters larger than Ø114 mm, elastomeric rubber foam sheet shall be used at desired insulation thickness and payment shall be made on position 265-600. The fire reaction class as well as λ and μ values shall be proven with test reports.</p> <p>Outside diameter Wall thickness</p>		
25.400.5001	(3/8") Ø18 mm 9 mm	2,29	0,83
25.400.5002	(3/8") Ø18 mm 13 mm	3,05	0,83
25.400.5003	(3/8") Ø18 mm 19 mm	5,01	0,83
25.400.5004	(3/8") Ø18 mm 25 mm	7,36	0,83

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.400.5005	(3/8") Ø18 mm 32 mm	10,33	0,83
25.400.5006	(1/2") Ø22 mm 9 mm	2,76	1,18
25.400.5007	(1/2") Ø22 mm 13 mm	3,63	1,18
25.400.5008	(1/2") Ø22 mm 19 mm	5,65	1,18
25.400.5009	(1/2") Ø22 mm 25 mm	8,60	1,18
25.400.5010	(1/2") Ø22 mm 32 mm	12,54	1,18
25.400.5011	(3/4") Ø28 mm 9 mm	3,30	1,53
25.400.5012	(3/4") Ø28 mm 13 mm	4,45	1,53
25.400.5013	(3/4") Ø28 mm 19 mm	6,74	1,53
25.400.5014	(3/4") Ø28 mm 25 mm	9,73	1,53
25.400.5015	(3/4") Ø28 mm 32 mm	13,69	1,53
25.400.5016	(1") Ø35 mm 9 mm	3,75	1,53
25.400.5017	(1") Ø35 mm 13 mm	4,95	1,53
25.400.5018	(1") Ø35 mm 19 mm	7,45	1,53
25.400.5019	(1") Ø35 mm 25 mm	11,44	1,53
25.400.5020	(1") Ø35 mm 32 mm	15,63	1,53
25.400.5021	(1¼") Ø42 mm 9 mm	4,39	1,88
25.400.5022	(1¼") Ø42 mm 13 mm	5,81	1,88
25.400.5023	(1¼") Ø42 mm 19 mm	8,69	1,88
25.400.5024	(1¼") Ø42 mm 25 mm	13,43	1,88
25.400.5025	(1¼") Ø42 mm 32 mm	18,44	1,88
25.400.5026	(1½") Ø48 mm 9 mm	4,84	1,88
25.400.5027	(1½") Ø48 mm 13 mm	6,13	1,88
25.400.5028	(1½") Ø48 mm 19 mm	9,70	1,88
25.400.5029	(1½") Ø48 mm 25 mm	14,78	1,88
25.400.5030	(1½") Ø48 mm 32 mm	19,51	1,88
25.400.5031	(2") Ø60 mm 9 mm	6,34	2,69
25.400.5032	(2") Ø60 mm 13 mm	7,91	2,69
25.400.5033	(2") Ø60 mm 19 mm	12,06	2,69
25.400.5034	(2") Ø60 mm 25 mm	17,54	2,69
25.400.5035	(2") Ø60 mm 32 mm	24,38	2,69
25.400.5036	(2½") Ø76 mm 9 mm	7,74	3,04
25.400.5037	(2½") Ø76 mm 13 mm	9,39	3,04
25.400.5038	(2½") Ø76 mm 19 mm	14,35	3,04
25.400.5039	(2½") Ø76 mm 25 mm	21,99	3,04
25.400.5040	(2½") Ø76 mm 32 mm	28,69	3,04
25.400.5041	(3") Ø89 mm 9 mm	9,03	3,71
25.400.5042	(3") Ø89 mm 13 mm	10,96	3,71
25.400.5043	(3") Ø89 mm 19 mm	16,41	3,71
25.400.5044	(3") Ø89 mm 25 mm	24,10	3,71
25.400.5045	(3") Ø89 mm 32 mm	32,61	3,71
25.400.5046	(4") Ø114 mm 9 mm	13,05	4,89
25.400.5047	(4") Ø114 mm 13 mm	14,91	4,89
25.400.5048	(4") Ø114 mm 19 mm	22,34	4,89
25.400.5049	(4") Ø114 mm 25 mm	33,74	4,89
25.400.5050	(4") Ø114 mm 32 mm	42,44	4,89

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.400.5500	<p><b>Aluminum Composite Film Coated Rubber Foam Based Prefabricated Pipe Insulation: (Unit: m ) (TS EN 14304):</b>                      To be in compliance with the Regulation 305/2011/EC on Construction Products and released with a CE compliance marking. Prefabricated pipe insulation material produced by extrusion from pipe shaped elastomeric rubber foam based material conforming to the external diameter of pipes, to be used for the insulation of cold and lukewarm surfaces between -40°C and + 116°C temperature, with a heat efficiency of (0 C)<math>\lambda \leq 0.040</math> W/mK, water vapor diffusion resistance coefficient <math>\mu \geq 14000</math>, the fire reaction class is at least "normal flammable" according to TS EN 13501-1+A1, with 40-75 kg/m<sup>3</sup> density in average, closed cell, flexible elastomeric rubber foam prefabricated pipe insulation material to be laminated with 50-100 micron thick, 3 layer aluminum composite film and the cleaning of rust and dirt and painting with red lead paint of pipe surface to be insulated, after putting the prefabricated two meter long elastomeric rubber insulation material on the pipes with matching diameters, sticking the two edges of the material with a glue specially developed for rubber foam, the bonding of the rubber foam pipe insulation with 3 mm thick self adhesive elastomeric rubber band at every two meters, at the places where bonding can not be made (valves etc.), winding with self adhesive rubber band until the winding reaches a thickness equal to the selected insulation thickness. The fire resistance of the material as well as <math>\lambda</math> and <math>\mu</math> values shall be proven with test reports.                      Pipe Outer Diameter Insulation wall thickness</p>		
25.400.5501	(1/2") Ø22 mm 9 mm	6,00	1,18
25.400.5502	(1/2") Ø22 mm 13 mm	8,35	1,18
25.400.5503	(1/2") Ø22 mm 19 mm	14,58	1,18
25.400.5504	(1/2") Ø22 mm 25 mm	23,16	1,18
25.400.5505	(1/2") Ø22 mm 32 mm	44,49	1,18
25.400.5506	(3/4") Ø28 mm 9 mm	6,93	1,53
25.400.5507	(3/4") Ø28 mm 13 mm	9,53	1,53
25.400.5508	(3/4") Ø28 mm 19 mm	16,83	1,53
25.400.5509	(3/4") Ø28 mm 25 mm	26,63	1,53
25.400.5510	(3/4") Ø28 mm 32 mm	44,60	1,53
25.400.5511	(1") Ø35 mm 9 mm	8,00	1,53
25.400.5512	(1") Ø35 mm 13 mm	10,54	1,53
25.400.5513	(1") Ø35 mm 19 mm	19,08	1,53
25.400.5514	(1") Ø35 mm 25 mm	31,21	1,53
25.400.5515	(1") Ø35 mm 32 mm	44,84	1,53
25.400.5516	(1 1/4") Ø42 mm 9 mm	9,36	1,88
25.400.5517	(1 1/4") Ø42 mm 13 mm	12,48	1,88
25.400.5518	(1 1/4") Ø42 mm 19 mm	22,61	1,88
25.400.5519	(1 1/4") Ø42 mm 25 mm	36,28	1,88
25.400.5520	(1 1/4") Ø42 mm 32 mm	52,01	1,88
25.400.5521	(1 1/2") Ø48 mm 9 mm	10,64	1,88
25.400.5522	(1 1/2") Ø48 mm 13 mm	13,56	1,88
25.400.5523	(1 1/2") Ø48 mm 19 mm	25,23	1,88
25.400.5524	(1 1/2") Ø48 mm 25 mm	39,99	1,88

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.400.5525	(1½") Ø48 mm 32 mm	55,56	1,88
25.400.5526	(2") Ø60 mm 9 mm	13,48	2,69
25.400.5527	(2") Ø60 mm 13 mm	18,26	2,69
25.400.5528	(2") Ø60 mm 19 mm	30,69	2,69
25.400.5529	(2") Ø60 mm 25 mm	47,29	2,69
25.400.5530	(2") Ø60 mm 32 mm	64,85	2,69
25.400.5531	(2½") Ø76 mm 9 mm	16,58	3,04
25.400.5532	(2½") Ø76 mm 13 mm	21,45	3,04
25.400.5533	(2½") Ø76 mm 19 mm	34,84	3,04
25.400.5534	(2½") Ø76 mm 25 mm	58,46	3,04
25.400.5535	(2½") Ø76 mm 32 mm	79,16	3,04
25.400.5536	(3") Ø89 mm 9 mm	20,13	3,71
25.400.5537	(3") Ø89 mm 13 mm	24,31	3,71
25.400.5538	(3") Ø89 mm 19 mm	42,88	3,71
25.400.5539	(3") Ø89 mm 25 mm	64,39	3,71
25.400.5540	(3") Ø89 mm 32 mm	92,14	3,71
25.400.5541	(4") Ø114 mm 9 mm	29,16	4,89
25.400.5542	(4") Ø114 mm 13 mm	35,64	4,89
25.400.5543	(4") Ø114 mm 19 mm	55,96	4,89
25.400.5544	(4") Ø114 mm 25 mm	88,23	4,89
25.400.5545	(4") Ø114 mm 32 mm	114,93	4,89

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.400.6000</b>	<p><b>Pipe insulation with prefabricated elastomeric rubber foam coated with 1 layer of polymer (PVC, polypropylene, polyester, etc.), 1 layer of aluminum foil, 1 layer of polyester film with a total thickness of min. 300 micron (Unit: m ) (TS EN 14304)</b></p> <p>Shall be in compliance with the Regulation (EU) No.305/2011 Construction Products and be released with CE compliance marking. Prefabricated pipe insulation material produced by extrusion from pipe shaped elastomeric rubber foam based material conforming to the external diameter of pipes, to be used for the insulation of cold and lukewarm surfaces between -45°C and + 116°C temperature, with a heat efficiency of <math>(0\text{ C})\lambda \leq 0.035\text{ W/mK}</math>, water vapor diffusion resistance coefficient <math>\mu \geq 7000</math>, the fire reaction class is at least "normal flammable" according to TS EN 13501-1, with 60-75 kg/m<sup>3</sup> density in average, closed cell, flexible elastomeric rubber foam prefabricated pipe insulation material to be laminated with min. 300 micron thick, with 3 layers: 1 layer polymer (PVC, polypropylene, polyester etc.), 1 layer aluminum foil, 1 layer polyester foil, with water vapor diffusion resistance coefficient <math>\mu \geq 140,000</math>, the cleaning of rust and dirt and painting with two coats of red lead paint of the pipe surface to be insulated, after putting the prefabricated two meter long elastomeric rubber insulation material on the pipes with matching diameters, sticking the two edges of the material by overlapping with the self adhesive strip which is already present on the edges and the bonding of the elastomeric rubber foam pipe insulation joints with 140 micron thick aluminum folio strip at every two meters, at the places where bonding can not be made (valves etc.), winding with aluminum folio coated self adhesive rubber strip until the winding reaches a thickness equal to the selected insulation thickness.</p> <p>NOTE: (4") For pipes with diameters larger than Ø114 mm, ISOPIPE AL-CLAD elastomeric rubber foam sheet at the desired insulation thickness shall be used and it shall be paid on item 265-700.</p> <p>Pipe Outer Diameter Insulation Wall Thickness</p>		
25.400.6001	(1/2") Ø22 mm 9 mm	7,40	1,88
25.400.6002	(1/2") Ø22 mm 13 mm	9,64	1,88
25.400.6003	(1/2") Ø22 mm 19 mm	16,46	1,88
25.400.6004	(1/2") Ø22 mm 25 mm	25,13	1,88
25.400.6005	(1/2") Ø22 mm 32 mm	35,43	1,88
25.400.6006	(3/4") Ø28 mm 9 mm	8,31	1,88
25.400.6007	(3/4") Ø28 mm 13 mm	11,09	2,34
25.400.6008	(3/4") Ø28 mm 19 mm	18,78	2,34
25.400.6009	(3/4") Ø28 mm 25 mm	28,58	2,34
25.400.6010	(3/4") Ø28 mm 32 mm	40,09	2,34
25.400.6011	(1") Ø35 mm 9 mm	9,61	2,34
25.400.6012	(1") Ø35 mm 13 mm	12,35	2,69
25.400.6013	(1") Ø35 mm 19 mm	21,25	2,69
25.400.6014	(1") Ø35 mm 25 mm	33,74	2,69
25.400.6015	(1") Ø35 mm 32 mm	44,34	2,69

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.400.6016	(1¼") Ø42 mm 9 mm	10,91	2,69
25.400.6017	(1¼") Ø42 mm 13 mm	14,68	3,04
25.400.6018	(1¼") Ø42 mm 19 mm	26,14	3,04
25.400.6019	(1¼") Ø42 mm 25 mm	39,79	3,04
25.400.6020	(1¼") Ø42 mm 32 mm	50,59	3,04
25.400.6021	(1½") Ø48 mm 9 mm	12,70	3,04
25.400.6022	(1½") Ø48 mm 13 mm	15,79	3,36
25.400.6023	(1½") Ø48 mm 19 mm	28,60	3,36
25.400.6024	(1½") Ø48 mm 25 mm	42,93	3,36
25.400.6025	(1½") Ø48 mm 32 mm	56,61	3,36
25.400.6026	(2") Ø60 mm 9 mm	15,79	3,36
25.400.6027	(2") Ø60 mm 13 mm	22,05	4,21
25.400.6028	(2") Ø60 mm 19 mm	34,78	4,21
25.400.6029	(2") Ø60 mm 25 mm	53,66	4,21
25.400.6030	(2") Ø60 mm 32 mm	69,81	4,21
25.400.6031	(2½") Ø76 mm 9 mm	19,45	4,21
25.400.6032	(2½") Ø76 mm 13 mm	24,80	5,38
25.400.6033	(2½") Ø76 mm 19 mm	42,35	5,38
25.400.6034	(2½") Ø76 mm 25 mm	68,84	5,38
25.400.6035	(2½") Ø76 mm 32 mm	74,48	5,38
25.400.6036	(3") Ø89 mm 9 mm	24,30	5,38
25.400.6037	(3") Ø89 mm 13 mm	29,76	6,40
25.400.6038	(3") Ø89 mm 19 mm	47,38	6,40
25.400.6039	(3") Ø89 mm 25 mm	74,04	6,40
25.400.6040	(3") Ø89 mm 32 mm	92,56	6,40
25.400.6041	(4") Ø114 mm 9 mm	35,65	6,40
25.400.6042	(4") Ø114 mm 13 mm	42,44	7,93
25.400.6043	(4") Ø114 mm 19 mm	65,21	7,93
25.400.6044	(4") Ø114 mm 25 mm	97,00	7,93
25.400.6045	(4") Ø114 mm 32 mm	119,95	7,93



**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.400.7000	<p><b>Prefabricated valve insulation jacket made of fireproof and waterproof fabric; (Unit: Qty.; Materials on construction site. 60%)</b></p> <p>The insulation of the piston valves, silt traps check valves, butterfly valves, ball valves, gate valves, other threaded and flanged fixtures with the insulation jacket resistant to temperatures between -30°C and +230°C, the fire reaction class is at least “normal flammable”, made of water proof, silicon coated fiberglass fabric, using the same fabric at the inner and outer surfaces, water vapor diffusion resistance coefficient <math>\mu \geq 7000</math>, heat efficiency (40 C) <math>\lambda \leq 0.040</math> W/mK, temperature range from -45°C to +105°C, the fire reaction class is at least “normal flammable” according to TS EN 13501-1, with 40-75 kg/m<sup>3</sup> density in average, 25 mm thick rubber foam board, using at least 40 mm thick, 80 kg/m<sup>3</sup> density rock wool mattress, pinned white glass wool or glass wool for the insulation of the hot lines, stitched with non-combustible threads, wrapping also the valve flanges, installed with non-flammable ropes and adhesive strips at the throat and on the two sides, at temperatures exceeding 100°C installed with stainless buckles and wires, resistant to light acids and UV beams, including all kinds of materials and labor.</p> <p>Note: The fire resistance of <math>\mu</math> and <math>\lambda</math> values for the insulating materials given above and the waterproofing certificate for the silicone coated fabric shall be proved by the test reports (according to TS 257 EN 20811). Additionally, technical data sheets for the insulation materials, fabric and fabric coated silicone shall be submitted. The type of the fixture that it belongs to, size, name of the manufacturer, total weight (kg), properties of the insulation material, weight of the fiberglass fabric (g/m<sup>2</sup>), weight of the silicon coating (g/m<sup>2</sup>) shall be written on the valve name plate.</p> <p>Note:</p> <p>1- The unit prices including the installation for the gate and metal bellows valves with balance piston, steam traps shall be increased by 20%.</p> <p>2- The unit prices including the installation for the two-way automatic control valves and the balance valves shall be increased by 60%.</p> <p>3- The unit prices including the installation for the three-way automatic control valves shall be increased by 80%.</p> <p>4- The unit prices including the installation for strainers shall be increased by 50%</p> <p>5-The unit prices including the installation for all gear armature groups (valve, strainer, check valve ..) shall be reduced by 30%.</p> <p>NOMINAL DIAMETER</p>		
25.400.7001	NW 15	65,23	11,43
25.400.7002	NW 20	75,10	12,45
25.400.7003	NW 25	82,79	12,95
25.400.7004	NW 32	90,93	13,30
25.400.7005	NW 40	105,75	13,30
25.400.7006	NW 50	120,08	15,14
25.400.7007	NW 65	129,19	17,01
25.400.7008	NW 80	141,65	17,83
25.400.7009	NW 100	155,24	17,83
25.400.7010	NW 125	177,21	17,83
25.400.7011	NW 150	211,65	19,00
25.400.7012	NW 200	251,39	20,86
25.400.7013	NW 250	266,84	22,71

**Joint Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.400.9000</b>	<p><b>Sheet Coating on Pipe Isolation: (Unit: m)</b>                      Following the installation of the pipe insulations on the heating / cooling systems in the form of smooth circular rolls, windings 3 cm snap-on (cord), at least two per piece, with 3 mm cylinder head screws, screwed at intervals of 20 cm, corner brackets (corded), (at least Ø80 up to 4 parts, Ø150 up to 6 pieces, Ø300 up to 8 pieces) and reductions are manufactured and assembled in conical shape at the work site.                      NOTE:                      1- Prices do not include insulation materials, but only cover the sheet metal.                      2- The pipe length (mt.) shall be taken as basis for dimensioning.</p>		
<b>25.400.9100</b>	<b>Aluminum Sheet (0.6 mm) Coating on Pipe Insulation</b>		
25.400.9101	Coating diameter up to 50 mm	16,85	11,78
25.400.9102	Including 50 mm, coating diameter up to 100 mm	22,25	11,78
25.400.9103	Including 100 mm, coating diameter up to 150 mm	27,00	11,78
25.400.9104	Including 150 mm, coating diameter up to 200 mm	32,08	11,78
25.400.9105	Including 200 mm, coating diameter up to 250 mm	39,93	13,74
25.400.9106	Including 250 mm, coating diameter up to 300 mm	47,45	13,74
25.400.9107	Including 300 mm, coating diameter up to 350 mm	50,40	13,74
25.400.9108	Including 350 mm, coating diameter up to 400 mm	55,64	13,74
25.400.9109	Including 400 mm, coating diameter up to 500 mm	66,13	13,74
<b>25.400.9200</b>	<b>Galvanized Sheet (0.5 mm) Coating on Pipe Insulation</b>		
25.400.9201	Coating diameter up to 50 mm	15,15	11,78
25.400.9202	Including 50 mm, coating diameter up to 100 mm	18,41	11,78
25.400.9203	Including 100 mm, coating diameter up to 150 mm	21,74	11,78
25.400.9204	Including 150 mm, coating diameter up to 200 mm	25,06	11,78
25.400.9205	Including 200 mm, coating diameter up to 250 mm	30,34	13,74
25.400.9206	Including 250 mm, coating diameter up to 300 mm	33,66	13,74
25.400.9207	Including 300 mm, coating diameter up to 350 mm	36,99	13,74
25.400.9208	Including 350 mm, coating diameter up to 400 mm	40,30	13,74
25.400.9209	Including 400 mm, coating diameter up to 500 mm	46,95	13,74
<b>25.410.1000</b>	<p><b>AIR COMPRESSOR: (Unit: Qty.)</b>                      The supply to the work site, installation and delivery in working order of the air compressor, according to the features in the approved design, with air-cooled motor, power, speed, the compressor with all the accessories shall be selected, TSE certified, with suction filter, the motor and the compressor coupled with an elastic coupling or by belt and pulley, inter-cooler for two-stage types, oil and water separator, the motor with thermal and magnetic circuit breaker, automatic pressure switch, with all the electrical connections. (the free air delivered in 1 minute at 1000 RPM shall be the basis for the price, air receiver is not within the scope.</p>		
<b>25.410.1100</b>	<b>8 Atmosphere pressure compressor;</b>		
25.410.1101	1 m³/h free air	861,06	58,56
25.410.1102	3 m³/h free air	1.154,79	61,99
25.410.1103	5 m³/h free air	1.873,40	65,41
25.410.1104	10 m³/h free air	2.699,15	78,56

**Joint Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.410.1105	15 m³/h free air	3.469,33	85,41
25.410.1106	20 m³/h free air	4.586,51	100,00
<b>25.410.1200</b>	<b>Air compressor with 15 atmosphere pressure; the unit price in item 25.410.1100 including the installation shall be increased by 50%, the installation cost shall remain unchanged.</b>		
<b>25.410.2000</b>	<b>SCREW TYPE AIR COMPRESSOR (Unit: Qty.)</b> The supply, on-site installation and delivery in working order of the screw type air compressor, to be selected according to the features in the approved design, air cooled motor, power, speed, with all the accessories on the compressor and with other required information, driven by an electric motor to increase the air pressure by rotation, asymmetric profiled screw group, air suction filter, oil selected at appropriate grade and an air cooler, oil and air separator, oil filter, appropriately selected oil tank, normal and high pressure switch, electrical panel for running star/delta, cabinet with sound insulation with maximum noise level of 75 dB. (The air tank is not included in the price)		
<b>25.410.2100</b>	<b>8 Atmosphere pressure compressor;</b>		
25.410.2101	1.12 m³/min. free air	16.602,11	82,88
25.410.2102	1.83 m³/min. free air	18.196,38	100,00
25.410.2103	2.52 m³/min. free air	20.178,76	117,13
25.410.2104	3.09 m³/min. free air	25.786,58	134,25
25.410.2105	3.60 m³/min. free air	27.574,31	202,95
25.410.2106	5.20 m³/min. free air	33.601,88	209,80
25.410.2107	6.20 m³/min. free air	36.930,60	226,93
25.410.2108	7.25 m³/min. free air	43.215,35	237,20
<b>25.410.2200</b>	<b>Screw type air compressor with 15 atmosphere pressure; the unit price in item 25.410.2000 including the installation shall be increased by 50%, the installation cost shall remain unchanged.</b>		
<b>25.410.5000</b>	<b>Air Compressor air receiver, up to 10 atmosphere pressure;</b> The supply of the spray painted air receiver together with a pressure gauge of 10 atmosphere operating pressure, safety valve, pressurestat and water drain tap, installation in accordance with the position of the compressor		
25.410.5001	50 L	429,29	48,63
25.410.5002	100 L	651,03	55,48
25.410.5003	150 L	834,15	65,75
25.410.5004	200 L	1.006,70	90,06
25.410.5005	300 L	1.242,04	96,91
25.410.5006	500 L	2.002,29	125,49
25.410.5007	1000 L	3.053,33	146,38
<b>25.410.5100</b>	<b>Air receiver for the air compressor, resistant to 20 atmosphere pressure, other features are the same as in item 25.410.5000; the unit prices in item 25.410.5000 including the installation shall be increased by 20%, the installation costs shall remain unchanged.</b>		



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**VENTILATION AND AIR CONDITIONING  
INSALLATIONS  
UNIT PRICES AND DEFINITIONS**

**2019**

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.450.1000</b>	<p><b>RADIAL VENTILATORS AND ASPIRATORS: (SINGLE OR DOUBLE INLET): (Unit: Qty., Materials on construction site: 60%). (Quality certified by TSE).</b>                      Supply to the work site, installation of a ventilator with a statically and dynamically balanced relay or a sliding bearing rotor, a belt tensioning mechanism driven by a V-belt that is seamless or directly coupled with an electric motor operating with three-phase current unless specified otherwise in the project design, on a chassis or concrete base with sufficient anti-vibration insulation, connection to ducts with flexible connections, production of sheet metal parts with DKP sheets and interior and exterior coating of such parts with anti-rust paint and coating of the visible parts with two layers of heat-proof, gun-sprayed paint in desired colors (The concrete base, and the cells if cells are used for electrical wiring, shall be charged per the relevant items.) (Other prices shall be interpolated). (Items such as anti-vibration wedges, etc. used for production of devices shall be included in the unit prices, and no additional fees shall be charged.)</p>		
<b>25.450.1100</b>	<b>Max. 225 pascal (25 mm) total pressure.</b>		
25.450.1101	Max. 1000 m³/h	1.630,00	102,00
25.450.1102	2000 m³/h	1.800,00	112,00
25.450.1103	3000 m³/h	2.110,00	123,00
25.450.1104	4000 m³/h	2.290,00	149,00
25.450.1105	5000 m³/h	2.340,00	165,00
25.450.1106	6000 m³/h	2.660,00	185,00
25.450.1107	8000 m³/h	2.980,00	207,00
25.450.1109	12000 m³/h	3.880,00	256,00
25.450.1108	10000 m³/h	3.420,00	238,00
25.450.1110	16000 m³/h	4.460,00	283,00
25.450.1111	20000 m³/h	4.940,00	302,00
25.450.1113	30000 m³/h	7.190,00	358,00
25.450.1112	25000 m³/h	6.350,00	343,00
25.450.1114	40000 m³/h	8.520,00	448,00
25.450.1115	50000 m³/h	9.120,00	504,00
25.450.1116	60000 m³/h	10.650,00	568,00
25.450.1117	80000 m³/h	11.180,00	633,00
25.450.1118	100000 m³/h	14.970,00	703,00
<b>25.450.1200</b>	<p><b>Total pressure up to 450 pascal (50 mm), and other specifications shall be the same as the item 25.450.1100. The unit prices including installation in the item 25.450.1100 shall be raised by 10% with the installation fees remaining unchanged.</b></p>		
<b>25.450.1300</b>	<p><b>Total pressure up to 675 pascal (75 mm), and other specifications shall be the same as the item 25.450.1100. Unit price including installation in the item 25.450.1100 shall be raised by 20%, and the installation fee shall remain unchanged.</b></p>		
<b>25.450.1400</b>	<p><b>Total pressure up to 900 pascal (100 mmWC), and other specifications shall be the same as the item 25.450.1100. Unit price including installation in the item 25.450.1100 shall be raised by 30%, and the installation fee shall remain unchanged.</b></p>		
<b>25.450.1500</b>	<p><b>Total pressure up to 1350 pascal (150 mmWC), and other specifications shall be the same as the item 25.450.1100. Unit price including installation in the item 25.450.1100 shall be raised by 35%, and the installation fee shall remain unchanged.</b></p>		

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.450.2000</b>	<b>ROOF-TOP ASPIRATOR: (Unit: Qty., Materials on construction site: 60%) (quality certified by TSE).</b> Supply to the work site, installation, and delivery in working order, including electric motor, of roof-top ventilator described in the item 25.450.1000 with a metallic base for installation on the roof-top, and equipped with an esthetically pleasing hood to protect the motor from external effects. (Electrical wiring to be paid per the relevant unit prices) (Unit prices of other values shall be interpolated).		
<b>25.450.2100</b>	<b>Roof-top radial aspirators with up to 225 pascal (25 mm) pressure:</b>		
25.450.2101	Up to 1000 m <sup>3</sup> /h	1.650,00	193,00
25.450.2102	2000 m <sup>3</sup> /h	2.390,00	246,00
25.450.2103	3000 m <sup>3</sup> /h	3.050,00	265,00
25.450.2104	4000 m <sup>3</sup> /h	3.430,00	302,00
25.450.2105	5000 m <sup>3</sup> /h	3.900,00	343,00
25.450.2106	6000 m <sup>3</sup> /h	4.160,00	374,00
25.450.2107	8000 m <sup>3</sup> /h	4.360,00	428,00
25.450.2108	10000 m <sup>3</sup> /h	4.470,00	499,00
25.450.2109	12000 m <sup>3</sup> /h	5.230,00	557,00
25.450.2110	16000 m <sup>3</sup> /h	5.640,00	589,00
25.450.2111	20000 m <sup>3</sup> /h	6.500,00	633,00
25.450.2112	25000 m <sup>3</sup> /h	7.460,00	663,00
25.450.2113	30000 m <sup>3</sup> /h	8.740,00	739,00
<b>25.450.3000</b>	<b>AXIAL VENTILATORS (ASPIRATOR) (Unit: Qty., Materials on construction site: 60%) (quality certified by TSE).</b> Supply to the work site with the electric motor, installation with the necessary vibration insulator, flexibly connected to ducts with canvas, and delivery in working order, of axial ventilator (aspirator) with steel or aluminum blades, coupled with a mono-phase or three-phase electric motor with required power up to 225 pascals (25 mmWC) directly or with belt and pulley. (Electrical wiring to be paid per the relevant unit prices). (Other values shall be interpolated) (Items such as anti-vibration wedges, etc. used for production of devices shall be included in the unit prices, and no additional fees shall be charged.)		
<b>25.450.3100</b>	<b>Axial ventilator, up to 1500 rpm:</b>		
25.450.3101	Up to 5000 m <sup>3</sup> /h	1.770,00	242,00
25.450.3102	8000 m <sup>3</sup> /h	2.020,00	309,00
25.450.3103	10000 m <sup>3</sup> /h	2.380,00	343,00
25.450.3104	12000 m <sup>3</sup> /h	2.730,00	370,00
25.450.3105	14000 m <sup>3</sup> /h	3.080,00	389,00
25.450.3106	16000 m <sup>3</sup> /h	3.580,00	453,00
25.450.3107	20000 m <sup>3</sup> /h	4.270,00	537,00
<b>25.450.3200</b>	<b>Axial ventilator, up to 900 rpm:</b>		
25.450.3201	Up to 10000 m <sup>3</sup> /h	2.620,00	343,00
25.450.3202	12000 m <sup>3</sup> /h	2.990,00	370,00
25.450.3203	14000 m <sup>3</sup> /h	3.310,00	389,00
25.450.3204	16000 m <sup>3</sup> /h	3.680,00	453,00
25.450.3205	20000 m <sup>3</sup> /h	4.190,00	488,00

**Ventilation and Air Conditioning Installations**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.450.3206	24000 m³/h	4.660,00	506,00
25.450.3207	30000 m³/h	5.360,00	537,00
25.450.3208	40000 m³/h	6.400,00	594,00
25.450.3209	50000 m³/h	7.970,00	676,00
<b>25.450.4100</b>	<b>WINDOW DOMESTIC FANS (Unit: Qty.)</b> Supply to the work site and installation in its designated location of window-type, single-direction, plastic window fan with automatic shutters actuated by air movements, engines with insulation class B and protected against overheat with a thermal breaker, and a maximum noise level of 35 to 45 dB, designed to exhaust the air directly to outside, which shall be 230 V and 50 Hz single-phase, in IPX4 class, and designed to comply with TS EN 60335-2-80 standard and the 2014/35/EU Directive Related to Electrical Equipment Designed within Certain Voltage Limits		
25.450.4101	400 m³/h	217,00	38,40
25.450.4102	600 m³/h	273,00	42,20
25.450.4103	900 m³/h	343,00	47,70
<b>25.450.5100</b>	<b>DUCT-TYPE ASPIRATOR (Unit: Qty.)</b> It shall allow installation between two ducts, and have a galvanized steel sheet or electrostatic powder-coated body, factory-made electrical connections, and be equipped with a motor and terminal box in IP 44 protection class. The blades shall be inclined back or forward, and the bearings shall be free of maintenance-free for life. The fan housing shall be installed on anti-vibration wedges, and a protective wire netting shall be installed on the fan outlet. Supply, installation, and delivery in working order, including labor, of a duct type aspirator that come with a axial fan with a variable phase control, with standard thermal protection on fan motors. (100-pa air flow rate shall be taken as basis for device capacities.)		
25.450.5101	100 m³/h	358,00	36,00
25.450.5102	200 m³/h	403,00	36,00
25.450.5103	300 m³/h	408,00	36,00
25.450.5104	400 m³/h	515,00	48,00
25.450.5105	500 m³/h	540,00	48,00
25.450.5106	750 m³/h	578,00	53,00
25.450.5107	1000 m³/h	753,00	60,00
25.450.5108	1250 m³/h	786,00	65,00
25.450.5109	1500 m³/h	852,00	70,00
25.450.5110	1750 m³/h	1.320,00	107,00
25.450.5111	2000 m³/h	1.600,00	121,00
25.450.5112	2500 m³/h	1.850,00	133,00

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.450.7100</b>	<p><b>Axial Jet Fans (Unit: Qty.)</b>                      The device shall be in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR, released with the CE compliance marking, and resistance class F300 as per TS EN 12101-3, with max. 3-kW power and blades balanced as per ISO 1940-1. The fan motor shall be fully enclosed, capable of operating at two phases, have 2/4 poles, comply with min. IP 55 protection class and H insulation class, cooled by the air from above, be available on 24/7 basis and during emergencies . Electrical terminal boxes and cable bushings on the device shall be fire-resistant. The blade shall be axial. The fan shall be injection-molded made of aluminum alloy. Two sides of the fan housing shall be equipped with rock wool-insulated silencers for sound absorption. Both ends of the jet fans shall be equipped with directing blades and wire netting. The capacities are the values at the second phase. The description does not include automation, termination panel and wiring.</p>		
25.450.7101	Thrust force: 22 N, Inner diameter: min. 275 mm, flow rate: min. 3500 m³/h	6.770,00	190,00
25.450.7102	Thrust force: 32 N, Inner diameter: min. 315 mm, flow rate: min. 4500 m³/h	7.330,00	222,00
25.450.7103	Thrust force: 50 N, Inner diameter: min. 355 mm, flow rate: min. 5000 m³/h	7.880,00	253,00
25.450.7104	Thrust force: 58 N, Inner diameter: min. 400 mm, flow rate: min. 9000 m³/h	8.580,00	317,00
25.450.7105	Thrust force: 80 N, Inner diameter: min. 400 mm, flow rate: min. 10,000 m³/h	8.880,00	348,00
<b>25.450.7200</b>	<p><b>Radial Jet Fans (Unit: Qty.)</b>                      The device shall be in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR, released with the CE compliance marking, and resistance class F300 as per TS EN 12101-3, with max. 3-kW power and blades balanced as per ISO 1940-1. The fan motor shall be fully enclosed, capable of operating at two phases, have 4/8 poles, comply with min. IP 55 protection class and H insulation class, cooled by the air from above, be available on 24/7 basis and during emergencies The suction side of the fans shall be equipped with a protection wire, and guides to ensure homogeneous distribution of air at the blowing outlet. Electrical terminal boxes and cable bushings on the device shall be fire-resistant. Radial blades shall have a centrifugal structure with the blades inclined backwards, robot welded, made of black sheet metal, and coated with electrostatic oven-dried paint. The capacities are the minimum values at the second phase. The description does not include automation, termination panel and wiring.</p>		
25.450.7201	Thrust force: 50 N, Flow rate: min. 6,000 m³/h	9.170,00	253,00
25.450.7202	Thrust force: 75 N, Flow rate: min. 8,000 m³/h	12.170,00	285,00
25.450.7203	Thrust force: 100 N, Flow rate: min. 8,900 m³/h	12.650,00	317,00



**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.452.1000</b>	<b>Smoke Vent Fan: (Unit: m<sup>2</sup>; Materials on construction site 60%)</b> The supply to the work site and installation on a chassis or concrete base with sufficient anti-vibration insulation of the axial vent fan manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR, released with CE compliance marking, roof type, single stage, approximately 10 kW power, with silencer, control panel, statically and dynamically balanced, with the rotor on roll bearings or sliding bearings, driven by a three phase electric motor coupled directly or by way of a belt-pulley system with jointless pulley, connection to the ducts with flexible fixtures, manufacture of sheet metal parts with DKP sheets; interior and exterior coating of such parts with anti-rust paint and coating of the visible parts with two layers of heat-resistant, gun-sprayed paint in desired colors (The electrical installation and the motor, if made with cells, the price of the cell and the price of the concrete base shall be paid as per the relevant unit prices.) (Intermediate prices shall be calculated by interpolation). (Vibration-proof wedges and similar productions are included in unit prices.)		
<b>25.452.1100</b>	<b>According to TS EN 12101, fire resistance class F200 (200°C, 120 min), total pressure up to 225 Pascal (25 mmWC).</b>		
25.452.1101	10,000 m <sup>3</sup> /h	6.660,00	596,00
25.452.1102	12,000 m <sup>3</sup> /h	7.210,00	618,00
25.452.1103	16,000 m <sup>3</sup> /h	8.050,00	690,00
25.452.1104	20,000 m <sup>3</sup> /h	8.970,00	789,00
25.452.1105	25,000 m <sup>3</sup> /h	10.670,00	886,00
25.452.1106	30,000 m <sup>3</sup> /h	11.870,00	939,00
25.452.1107	35,000 m <sup>3</sup> /h	11.970,00	992,00
25.452.1108	40,000 m <sup>3</sup> /h	12.980,00	1.080,00
25.452.1109	45,000 m <sup>3</sup> /h	15.890,00	1.220,00
25.452.1110	50,000 m <sup>3</sup> /h	17.080,00	1.420,00
25.452.1111	55,000 m <sup>3</sup> /h	19.420,00	1.500,00
25.452.1112	60,000 m <sup>3</sup> /h	21.690,00	1.520,00
25.452.1113	65,000 m <sup>3</sup> /h	21.930,00	1.550,00
25.452.1114	70,000 m <sup>3</sup> /h	25.130,00	1.760,00
25.452.1115	75,000 m <sup>3</sup> /h	25.580,00	1.980,00
25.452.1116	80,000 m <sup>3</sup> /h	27.970,00	2.030,00
25.452.1117	90,000 m <sup>3</sup> /h	28.820,00	2.090,00
25.452.1118	100,000 m <sup>3</sup> /h	30.860,00	2.240,00
<b>25.452.1200</b>	<b>Up to 450 pascal (50 mmWC) total pressure, other specifications shall be the same as the item 25.452.1100. The unit prices including installation in the item 25.452.1100 shall be increased by 10% with the installation fees remaining unchanged.</b>		
<b>25.452.1300</b>	<b>Up to 675 pascal (75 mmWC) total pressure, other specifications shall be the same as the item 25.452.1100. The unit prices including installation in the item 25.452.1100 shall be increased by 20% with the installation fees remaining unchanged.</b>		
<b>25.452.1400</b>	<b>According to TS EN 12101, fire resistance class F300 (300°C, 60 min), total pressure up to 225 Pascal (25 mmWC).</b>		
25.452.1401	10,000 m <sup>3</sup> /h	7.710,00	709,00
25.452.1402	12,000 m <sup>3</sup> /h	8.520,00	749,00
25.452.1403	16,000 m <sup>3</sup> /h	10.310,00	948,00
25.452.1404	20,000 m <sup>3</sup> /h	10.730,00	987,00

**Ventilation and Air Conditioning Installations**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.452.1405	25,000 m³/h	12.000,00	996,00
25.452.1406	30,000 m³/h	13.070,00	1.010,00
25.452.1407	35,000 m³/h	14.250,00	1.100,00
25.452.1408	40,000 m³/h	15.200,00	1.260,00
25.452.1409	45,000 m³/h	18.300,00	1.460,00
25.452.1410	50,000 m³/h	19.220,00	1.490,00
25.452.1411	55,000 m³/h	21.930,00	1.550,00
25.452.1412	60,000 m³/h	23.490,00	1.600,00
25.452.1413	65,000 m³/h	25.550,00	1.800,00
25.452.1414	70,000 m³/h	27.040,00	1.840,00
25.452.1415	75,000 m³/h	28.340,00	1.990,00
25.452.1416	80,000 m³/h	28.900,00	2.100,00
25.452.1417	90,000 m³/h	30.330,00	2.210,00
25.452.1418	100,000 m³/h	32.380,00	2.360,00
<b>25.452.1500</b>	<b>Up to 450 pascal (50 mmWC) total pressure, other specifications shall be the same as the item 25.452.1400. The unit prices including installation in the item 25.452.1400 shall be increased by 10% with the installation fees remaining unchanged.</b>		
<b>25.452.1600</b>	<b>Up to 675 pascal (75 mmWC) total pressure, other specifications shall be the same as the item 25.452.1400. The unit prices including installation in the item 25.452.1400 shall be increased by 20% with the installation fees remaining unchanged.</b>		
<b>25.452.2000</b>	<b>Pressuring Fan: (Unit: Qty.; Material on construction site 60%)</b> The supply to the work site and installation on a chassis or concrete base with sufficient anti-vibration insulation of the axial pressuring fan, duct type, single stage, approximately 10 kW power, with silencer, control panel, statically and dynamically balanced, with the rotor on roll bearings or sliding bearings, driven by a three phase electric motor coupled directly or by way of a belt-pulley system with jointless pulley, connection to the ducts with flexible fixtures, manufacture of sheet metal parts with DKP sheets; interior and exterior coating of such parts with anti-rust paint and coating of the visible parts with two layers of paint in desired colors (The electrical installation and the motor, if made with cells, the price of the cell and the price of the concrete base shall be paid as per the relevant unit prices, intermediate prices shall be calculated by interpolation; anti-vibration wedges and similar materials are included in the unit prices).		
<b>25.452.2100</b>	<b>Ladder Pressurization Fan total pressure up to 50 pascal.</b>		
25.452.2101	2,500 m³/h	3.360,00	289,00
25.452.2102	5,000 m³/h	4.010,00	353,00
25.452.2103	7,500 m³/h	4.480,00	400,00
25.452.2104	10,000 m³/h	4.750,00	426,00
25.452.2105	12,500 m³/h	5.070,00	434,00
25.452.2106	15,000 m³/h	5.660,00	447,00
25.452.2107	20,000 m³/h	5.880,00	451,00
25.452.2108	25,000 m³/h	7.500,00	576,00
25.452.2109	30,000 m³/h	8.190,00	593,00
25.452.2110	35,000 m³/h	9.350,00	718,00

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.452.2200</b>	<b>Up to 75 pascal total pressure, other specifications shall be the same as the item 25.452.2100. The unit prices including installation in the item 25.452.2100 shall be increased by 10% with the installation fees remaining unchanged.</b>		
<b>25.452.2300</b>	<b>Up to 110 pascal total pressure, other specifications shall be the same as the item 25.452.2100. The unit prices including installation in the item 25.452.2100 shall be increased by 20% with the installation fees remaining unchanged.</b>		
<b>25.452.2400</b>	<b>Elevator Pressurization Fan total pressure up to 50 pascal.</b>		
25.452.2401	2,500 m³/h	3.860,00	280,00
25.452.2402	5,000 m³/h	4.640,00	367,00
25.452.2403	7,500 m³/h	5.110,00	370,00
25.452.2404	10,000 m³/h	5.600,00	443,00
25.452.2405	12,500 m³/h	5.840,00	448,00
25.452.2406	15,000 m³/h	6.770,00	458,00
<b>25.452.2500</b>	<b>Up to 75 pascal total pressure, other specifications shall be the same as the item 25.452.2400. The unit prices including installation in the item 25.452.2400 shall be increased by 10% with the installation fees remaining unchanged.</b>		
<b>25.452.2600</b>	<b>Up to 100 pascal total pressure, other specifications shall be the same as the item 25.452.2400. The installed unit prices in item 25.452.2400 will be increased by 20% and installation fees shall remain unchanged.</b>		
25.452.3000	<b>Excess Pressure Relief Damper: (Unit: Qty., Materials at construction site 60%)</b> Damper with proportional spring or counter weight, grille and mounting elements with dimensions of 300 mm x 600 mm.	949,00	174,00
<b>25.455.1000</b>	<b>DRY AIR FILTERS: (Unit: Qty: Materials on construction site: 60%).</b>		
<b>25.455.1100</b>	<b>Dry air filter with no-clean components (synthetic type):</b> Installation and delivery in working order of air filters with the capacities specified below, capable of clearing 80% of the airborne dust particles with 75% larger than 10 microns and 25% sized between 01 and 10 microns; which shall have a resistance of 40 pascal (4.5 mmWC) at 1.5 m/s and collect 1200 g of dust per square meter (resistance lower than 72 pascal (8 mmWC at 1.5 m/s with 1200 g/m² dust) when clean (less than 200 grams of dust per m²), and which shall allow replacement of its dust collecting element after collecting the said amount of dust, complete with the guide rails for ease of installation in the existing central unit. Note: Filters with greater capacity than 50000 m³/h may be in 2 groups. In such cases, the Unit Price of the capacity after division shall be applicable.		
25.455.1101	100 - 500 m³/h	138,00	38,40
25.455.1102	501 - 1500 m³/h	158,00	42,30
25.455.1103	1501 - 3000 m³/h	182,00	49,10
25.455.1104	3001 - 5000 m³/h	226,00	56,00
25.455.1105	5001 - 10000 m³/h	297,00	63,00
25.455.1106	10001 - 20000 m³/h	440,00	77,50
25.455.1107	20001 - 30000 m³/h	612,00	84,50
25.455.1108	30001 - 40000 m³/h	766,00	95,00
25.455.1109	40001 - 50000 m³/h	985,00	106,00

**Ventilation and Air Conditioning Installations**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.455.1200</b>	<b>Dry air filter with components that can be cleaned (metallic or synthetic type).</b> Reusable dry air filter with rewashable components; the other specifications shall be the same as the item 25.455.1100 except that the unit prices including installation in the item 25.455.1100 shall be raised by 15%, and the installation fees shall remain unchanged.		
<b>25.455.1300</b>	<b>Bag filter:</b> Supply and installation in its designated location of bag filters of stitched bags made of chemical fibers or glass wool, which shall be sized as specified below, protect the air from 90% of the dusts sized up to 10 microns, in compliance with the EU-4 or G4 class, equipped with galvanized sheet metal or plastic for the ease of installation in the central unit, which shall have initial operating pressures of 35 to 50 Pa. Size (mm) Flow rate (m³/h)		
25.455.1301	305 x 610 2200	237,00	32,70
25.455.1302	610 x 305 2200	240,00	36,50
25.455.1303	610 x 610 4300	337,00	49,90
25.455.1304	305 x 305 1100	448,00	65,00
<b>25.458.1000</b>	<b>CENTRAL UNIT HEATERS (PN 6 - 16 QUALITY) (Unit: Qty., Materials on construction site: 60%)</b>		
<b>25.458.1100</b>	<b>Heater with copper pipes, copper or aluminum blades</b> Heater with copper pipes, or copper or aluminum blades (Logarithmic capacity to be used for pricing: tm = 60°C, hot water operation and serpentine intake rate: 3 m/s)		
25.458.1101	(1,000 kcal/h) 1.1 kW	303,00	55,50
25.458.1102	(5,000 kcal/h) 5.5 kW	666,00	66,50
25.458.1103	(10,000 kcal/h) 11 kW	833,00	78,00
25.458.1104	(20,000 kcal/h) 22 kW	984,00	97,50
25.458.1105	(40,000 kcal/h) 44 kW	1.370,00	145,00
25.458.1106	(60,000 kcal/h) 66 kW	1.640,00	162,00
25.458.1107	(80,000 kcal/h) 88 kW	1.920,00	175,00
25.458.1108	(100,000 kcal/h) 110 kW	2.370,00	197,00
25.458.1109	(150,000 kcal/h) 165 kW	3.270,00	247,00
25.458.1110	(200,000 kcal/h) 220 kW	4.060,00	274,00
25.458.1111	(300,000 kcal/h) 330 kW	5.550,00	297,00
<b>25.458.2000</b>	<b>CENTRAL UNIT COOLERS (up to 4 atmosphere pressure): (Including the galvanized or plastic-based condensation tray) (Unit: Qty., Materials on construction site: 60%)</b>		
<b>25.458.2100</b>	<b>Cooler with copper pipes, or copper or aluminum blades:</b> Logarithmic capacity to be used for pricing: tm = 15 C, cold water operation and serpentine intake rate: 3 m/s)		
25.458.2101	(500 kcal/h) 0.55 kW	242,00	56,50
25.458.2102	(1,000 kcal/h) 1.1 kW	359,00	67,50
25.458.2103	(2,000 kcal/h) 2.2 kW	412,00	73,50
25.458.2104	(4,000 kcal/h) 4.4 kW	874,00	86,50
25.458.2105	(8,000 kcal/h) 8.8 kW	1.170,00	101,00

### Ventilation and Air Conditioning Installations

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.458.2106	(12,000 kcal/h) 13.2 kW	1.350,00	123,00
25.458.2107	(16,000 kcal/h) 17.6 kW	1.760,00	145,00
25.458.2108	(20,000 kcal/h) 22 kW	1.780,00	160,00
25.458.2109	(30,000 kcal/h) 33 kW	2.150,00	174,00
25.458.2110	(40,000 kcal/h) 44 kW	2.870,00	197,00
25.458.2111	(60000 kcal/h) 66 kW	3.470,00	224,00
25.458.2112	(80,000 kcal/h) 88 kW	5.050,00	247,00
25.458.2113	(160,000 kcal/h) 176 kW	8.380,00	270,00
25.458.2114	(320,000 kcal/h) 352 kW	14.620,00	283,00
<b>25.458.3000</b>	<p><b>Direct Expansion (Dx) - Heat Pump (Dx) Batteries</b>                      Direct expansion (Dx) batteries are made from copper pipes - aluminum fins, tightness tests were conducted by applying 48.0-bar testing pressure to the batteries with 41.0-bar operating pressure and min. 34.0-bar testing pressure to the batteries with 22.0-bar operating pressure as per the testing pressure procedure under the Pressure Equipment Directive 2014/68/EU and TS EN 378 standard, and max. air side rate of 3.0 m/s for the battery, a coolant side pressure loss of 35 kPa, an evaporation temperature of 6 to 8 C, an air input of 35 C and humidity of 50% were taken as reference for log ΔTm ~18 K based on the approved project capacities and the cooling loads of the battery capacities given below.</p>		
25.458.3001	Cooling capacity up to 28 kW	1.901,90	145,00
25.458.3002	Cooling capacity up to 28 to 56 kW	2.414,00	160,00
25.458.3003	Cooling capacity up to 56 to 84 kW	3.987,40	174,00
25.458.3004	Cooling capacity up to 84 to 112 kW	5.838,80	180,00
25.458.3005	Cooling capacity up to 112 to 140 kW	7.490,10	197,00
25.458.3006	Cooling capacity up to 140 to 168 kW	8.549,00	224,00
25.458.3007	Cooling capacity up to 168 to 196 kW	9.584,50	247,00
25.458.3008	Cooling capacity up to 196 to 224 kW	10.477,60	270,00
25.458.3009	Cooling capacity up to 224 to 252 kW	14.205,70	280,00
25.458.3010	Cooling capacity up to 252 to 280 kW	16.428,60	283,00
25.458.3100	<p><b>DX battery control module:</b>                      Supply and installation of a control module and a heating/cooling selector switch which can control a desired direct expansion battery capacity, manage the external unit capacity by detection elements, and allows temperature adjustment on the control panel.</p>		
25.458.3101	Cooling capacity up to 28 kW	3.828,80	116,00
25.458.3102	Cooling capacity up to 28 to 56 kW	3.840,80	128,00
25.458.3103	Cooling capacity up to 56 to 84 kW	6.379,90	139,20
25.458.3104	Cooling capacity up to 84 to 112 kW	6.384,70	144,00
25.458.3105	Cooling capacity up to 112 to 140 kW	9.312,20	157,60
25.458.3106	Cooling capacity up to 140 to 168 kW	9.333,80	179,20
25.458.3107	Cooling capacity up to 168 to 196 kW	11.880,10	197,60
25.458.3108	Cooling capacity up to 196 to 224 kW	11.898,50	216,00
25.458.3109	Cooling capacity up to 224 to 252 kW	14.434,40	224,00
25.458.3110	Cooling capacity up to 252 to 280 kW	14.436,80	226,40
<b>25.458.3200</b>	<p><b>DX Battery Electronic Expansion Kit</b>                      Delivery in working order of an expansion kit with sensors and a factory-manufactured enclosure, which is capable of adjusting the amount of the fluid by an insulated direct expansion valve.</p>		

**Ventilation and Air Conditioning Installations**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.458.3201	Cooling capacity up to 28 kW	1.102,40	116,00
25.458.3202	Cooling capacity up to 28 to 56 kW	1.360,90	128,00
25.458.3203	Cooling capacity up to 56 to 84 kW	2.559,10	139,20
25.458.3204	Cooling capacity up to 84 to 112 kW	2.609,90	144,00
25.458.3205	Cooling capacity up to 112 to 140 kW	3.787,40	157,60
25.458.3206	Cooling capacity up to 140 to 168 kW	3.878,00	179,20
25.458.3207	Cooling capacity up to 168 to 196 kW	5.037,40	197,60
25.458.3208	Cooling capacity up to 196 to 224 kW	5.147,80	216,00
25.458.3209	Cooling capacity up to 224 to 252 kW	6.273,70	224,00
25.458.3210	Cooling capacity up to 252 to 280 kW	6.391,10	226,40
<b>25.458.5000</b>	<b>HUMIDIFIERS (Unit: Qty., Materials on construction site: 60%)</b>		
<b>25.458.5100</b>	<p><b>Vapor humidifiers with proportional control:</b>                      Package vapor humidifier in a heat-resistant special plastic housing, which turns water into vapor by energy transfer by its opposing electrode units. Humidifiers with a water input solenoid valve cylinder with electrodes in the unit; a control panel, electronic board, contactor and cabling in a separate compartment; and equipped with an electronic board adjusting the water level in the cylinder depending on the humidity requirement; which shall be capable of operating by adjusting itself automatically to water with a conductivity range of 125 to 800 Micro Siemens (US) (15 C) without any requirement for treated water, and generate vapor when the water and power connections of the device are made; and which shall be equipped with a cylinder that can be opened to allow removal of scaling caused by the water; a stainless steel electrode; a blow-off pump and a microprocessor with proportional control. Supply, installation in its designated location, and delivery in working order, for applications of vapor distribution into ducts and air conditioning central units, of a nickel-plated brass or stainless steel distribution pipe, compatible with the unit and the internal dimensions of the duct and air conditioning central units and steam vapor capacity to be distributed, and of a min. 3-meter-long special rubber-braided hose and special rubber drainage hose to ensure the delivery of uncondensed vapor from the unit to the pipe.                      Capacity (kg/h)</p>		
25.458.5101	6	7.160,00	350,00
25.458.5102	10	8.760,00	350,00
25.458.5103	17	9.180,00	350,00
25.458.5104	30	9.700,00	350,00
25.458.5105	45	11.400,00	437,00
25.458.5106	60	15.520,00	437,00
25.458.5107	90	20.360,00	524,00
25.458.5108	130	21.100,00	524,00
25.458.5109	116	22.340,00	524,00

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.460.1000	<p><b>VENTILATION, HEATING, AND AIR CONDITIONING CENTRAL UNIT CELL (Unit: m<sup>2</sup>, Materials on construction site: 60%).</b>                      Supply, installation, and securing on the floor or a concrete base with the ducts insulated against vibration with flexible fittings, of central unit cells that bring together the facilities for detachment and removal of ventilator, filters, dampers, heaters, coolers, humidifiers, and automatic control devices in the order specified in the relevant approved project to ensure the proper functionality of the devices; connection of pipes with flanges or bushes, coating of the necessary surfaces with two layers of anti-rust paint; followed by the coating of the external surface with two layers of gun-sprayed paint; and acoustic insulation of the required interior surfaces. - The external surface with 6 sides of the air conditioner central unit cell shall be taken as basis for the quantities, the intermediary cells shall not be considered, and the duct connection holes shall not be subtracted from the estimated surface. - Acoustic insulation within the cell shall be paid separately per the relevant insulation unit price depending on the specifications of the insulation. Air dampers shall be paid separately per the item 25.472.1400. (Items such as anti-vibration wedges, etc. used for production of devices shall be included in the unit prices, and no additional fees shall be charged.)</p>		
25.460.1100	<p><b>If modular profile frame is made with galvanized sheet metal double frame and polyurethane filling:</b>                      The carcass and corner pieces of the air conditioning central unit shall be made of galvanized steel or aluminum profile manufactured as per the approved project design. Double-wall cells with weldless structure, internal and external walls made of min. 0.5-mm-thick galvanized sheet metal, and with min. 22-mm-thick factory-made polyurethane filler injected in the gap between the walls. Other specifications shall be as per the item 25.460.1000.</p>	365,94	68,50
25.460.1200	<p><b>If modular profile frame is made with galvanized sheet metal double frame and glass wool or rock wool filling:</b>                      The carcass and corner pieces of the air conditioning central unit shall be made of galvanized steel or aluminum profile as per the relevant approved project design. The panels shall be made of pre-painted galvanized sheet metal with the exterior panel sheets made of galvanized sheet metal coated with polyester for protection from abrasive effects. All panels, covers and inlet panels shall be double-wall. Interior and exterior walls shall be made of min. 1-mm-thick galvanized sheet metal. The panels shall be installed on the carcass of the central unit to allow detachment for manipulation of the interior. Glass wool insulation board with 50 kg/m<sup>3</sup> density or rock wool insulation board with 70 kg/m<sup>3</sup> density shall be installed between the internal and external panels. Other specifications shall be the same as the item 25.460.1000.</p>		
25.460.1201	Cells with glass wool or rock wool insulation up to 30 mm with the same specifications as the item 25.460.1200	364,59	68,50
25.460.1202	Cells with glass wool or rock wool insulation up to 60 mm with the same specifications as the item 25.460.1200	388,96	68,50

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.465.1000</b>	<p><b>HEAT RECOVERY UNIT FOR USE WITH AIR CONDITIONING CENTRAL UNITS: Unit: Qty.</b>  Rotor-type heat recovery calculations shall be made as per VDI 2071 standard. Where the flow rates of exhaust and blown air passing through the rotor are equal, sensible heat recovery efficiency for operation in both summer and winter shall be min. 65%. The accuracy of the heat recovery capacity shall be confirmed by a selection program. Air flow rates of 4 m/s and pressure losses of 220 Pa shall not be exceeded at the suction and blowing sides of the rotor. The rotor shall be driven by a system of belt and pulley. The rotor shall have a housing made of aluminum, and frame and other materials made of galvanized steel. The filling shall be manufactured to make a non-oscillatory rotation within cassette, and while the air flows 100% in parallel to the filling holes, the same holes shall be 90 degrees perpendicular to the cassette plane and no curvature shall be allowed. The sections of the rotor shall be factory-assembled, and delivered in a single piece. The heat recovery rotor shall be installed in air conditioning central unit panels.</p>		
<b>25.465.1100</b>	<p><b>Rotor type Heat Recovery (Hygroscopic type) Unit (Unit: Qty.)</b>  Supply to the work site and delivery in working order of a heat recovery unit with a rotor that can recover both sensible and latent heat in the circulation air, and manufactured to have a humidity transfer of min. 20%.  Air Flow Rate (m³/h)</p>		
25.465.1101	500-1500 m³/h	17.500,00	574,00
25.465.1102	1501-3000 m³/h	20.010,00	763,00
25.465.1103	3001-5000 m³/h	26.610,00	953,00
25.465.1104	5001-7500 m³/h	28.520,00	1.150,00
25.465.1105	7501-10000 m³/h	33.770,00	1.350,00
25.465.1106	10001-12500 m³/h	36.930,00	1.550,00
25.465.1107	12501-15000 m³/h	37.160,00	1.740,00
25.465.1108	15000-20000 m³/h	53.480,00	1.940,00
25.465.1109	20000-30000 m³/h	74.480,00	2.130,00
25.465.1110	30000-40000 m³/h	98.440,00	2.320,00
25.465.1111	40000-50000 m³/h	142.300,00	2.480,00
25.465.1112	50000-60000 m³/h	163.700,00	2.670,00
<b>25.465.1200</b>	<p><b>Rotor type Heat Recovery (non-hygroscopic type) Unit (Unit: Qty.)</b>  Supply to the work site and delivery in working order of a heat recovery unit with a rotor that can recover sensible heat in the circulation air, and other specifications shall be the same as the item 25.465.1100.  Air Flow Rate (m³/h)</p>		
25.465.1201	500-1500 m³/h	12.240,00	574,00
25.465.1202	1501-3000 m³/h	13.510,00	763,00
25.465.1203	3001-5000 m³/h	16.650,00	953,00
25.465.1204	5001-7500 m³/h	17.560,00	1.150,00
25.465.1205	7501-10000 m³/h	22.580,00	1.350,00
25.465.1206	10001-12500 m³/h	23.750,00	1.550,00
25.465.1207	12501-15000 m³/h	27.010,00	1.740,00
25.465.1208	15001-20000 m³/h	35.490,00	1.940,00
25.465.1209	20001-30000 m³/h	46.400,00	2.130,00
25.465.1210	30001-40000 m³/h	69.540,00	2.320,00
25.465.1211	40001-50000 m³/h	90.110,00	2.480,00



**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.465.1212	50001-60000 m³/h	104.500,00	2.670,00
<b>25.465.1300</b>	<b>Plate-type Heat Recovery Unit (Unit: Qty.)</b> It shall operate by cross-current principle, have min. 50% total heat recovery efficiency in winter mode where the exhaust and air blowing rates are equal, and be designed to have max. 250 Pa pressure loss on the suction and blowing sides of the unit. The waved and embossed type plates to be used in the heat recovery unit shall be made of aluminum with galvanized steel frame. Supply to the work site and delivery in working order of a heat recovery unit with other specifications shall be the same as the item 25.465.1100. Air Flow Rate (m³/h)		
25.465.1301	500-1500 m³/h	3.410,00	574,00
25.465.1302	1501-3000 m³/h	4.910,00	763,00
25.465.1303	3001-5000 m³/h	5.720,00	953,00
25.465.1304	5001-7500 m³/h	12.310,00	1.150,00
25.465.1305	7501-10000 m³/h	17.800,00	1.350,00
25.465.1306	10001-12500 m³/h	21.720,00	1.550,00
25.465.1307	12501-15000 m³/h	25.080,00	1.740,00
25.465.1308	15001-20000 m³/h	33.650,00	1.940,00
25.465.1309	20001-30000 m³/h	49.780,00	2.130,00
25.465.1310	30001-40000 m³/h	59.720,00	2.320,00
25.465.1311	40001-50000 m³/h	82.140,00	2.480,00
25.465.1312	50001-60000 m³/h	109.000,00	2.670,00
<b>25.467.1100</b>	<b>CEILING-TYPE, HEAT-RECOVERY VENTILATION DEVICES (Unit: Qty Materials on construction site: 60%)</b> It shall discharge the polluted air by a fan, replace it with filtered fresh air from outside by another fan, and transfer the energy of the discharged air to the fresh air by a built-in aluminum sheet heat recovery exchanger, with the fresh air and exhaust fans and filters, and heat recovery exchanger collected in the casing to constitute a compact structure. Exhaust and fresh air fans, and the device shall bear the CE compliance marking, and heat recovery exchangers shall be certified for compliance with TS EN 308. The pressure loss of the filters used in the devices at class G3 and above per TS EN ISO 16890 shall not exceed 30 Pa. Ceiling-type heat recovery devices shall fulfill min. 50% efficiency according to the measurements to be made in accordance with the TS EN 308 and as per the criteria provided in Article 10 of Section 17 of the Regulation on Energy Performance at Buildings, and the devices shall be equipped with a by-pass mechanism that operates in interior mode, exterior mode, and user-set temperature mode for economy at midseasons. The by-pass damper shall be driven by a motor to shut the damper automatically when the device is turned off to prevent undesirable air flow to the building. The devices shall be internally insulated against potential condensation, heat leakage and noise. The insulation material shall be attached to the device housing in a manner that prevents peeling of the insulation material without external intervention. The device with thermostatic protection against frost shall be installed with a control panel. (150-pa air flow rate shall be taken as basis for device capacities.)		
25.467.1101	500 m³/h	5.510,00	716,00

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.467.1102	1000 m³/h	6.770,00	716,00
25.467.1103	1500 m³/h	7.200,00	954,00
25.467.1104	2000 m³/h	8.470,00	1.200,00
25.467.1105	3000 m³/h	10.780,00	1.430,00
25.467.1106	4000 m³/h	13.870,00	1.690,00
<b>25.467.1200</b>	<b>Electric Heater Units for Ceiling Type Heat Recovery Devices</b> For use with ceiling-mounted heat recovery devices, and controllable by control panel		
25.467.1201		1.340,00	184,00
25.467.1202	3000 W	1.420,00	213,00
25.467.1203	4000 W	1.850,00	324,00
25.467.1204	6000 W	2.030,00	365,00
25.467.1205	9000 W	2.650,00	423,00
25.467.1206	12000 W	2.970,00	484,00
<b>25.470.1000</b>	<b>VENTILATION DUCT: In plate form (Unit: m², Materials on construction site: 40%)</b>		
<b>25.470.1100</b>	<b>Manufacture of rectangular ventilation ducts made of galvanized sheet metal in dimensions provided in the project design:</b> Rectangular ventilation ducts shall be manufactured by automatic machines designed for this purpose; the corner parts shall be equipped with built-in flanges or installed with flanges with integral mastic; the self-adhesive neoprene seal shall be placed along the lateral section of the flange; and fixed at appropriate intervals with G-clips or 140-mm metal clamping components. The Galvanized Sheet Metals to be used shall be in thicknesses specified below and plated with DX 51 D+Z 275 g/m² zinc as per TS-EN 10346. The ducts shall be tested for infiltration as per the pressure class specified by the designer in the project design, in order to achieve infiltration in compliance with the Regulation on Energy Performance of Buildings and TS-EN 1507 standard. Curvilinear vanes shall be installed on the inside of the brackets at tight turns; flexible fittings shall be installed on the connections to devices and apparatuses; production and assembly shall be made including any jointing and fixing material; profiles of appropriate size shall be used for suspension and fixing for the ducts that are wider than 499 mm; and anti-vibration materials shall be installed between the profile and the duct. Installation shall be made on the ceiling or on the wall with threaded suspension bars.		
25.470.1101	0.60 mm for those with the longest edge up to 600 mm (600 mm included).	113,00	53,00
25.470.1102	0.80 mm for those with the longest edge up to 1249 mm	127,00	58,00
25.470.1103	1.00 mm for those with the longest edge up to 2490 mm	155,00	63,50
25.470.1104	1.2 mm for those with the longest edge longer than 2490 mm.	178,00	79,50
<b>25.470.1200</b>	<b>Manufacture of cylindrical ventilation ducts made of galvanized sheet metal, with interlocking spirals:</b> Manufacture of round ducts made of strip rolls of galvanized sheet metal plated with DX 51 D+Z 275 g/m² zinc complying with TS EN 12237 by means of S-type spiral interlocking; installation with sealed fittings to ensure infiltration; and mounting on wall or ceiling as per the relevant standard, using clamps, threaded suspension bars and similar other suspension elements. The item shall be tested for infiltration as per the pressure class specified in the project design by the designer so as to ensure infiltration in compliance with TS-EN 1507.		
25.470.1201	0.50 mm for up to Ø160 mm	102,00	36,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.470.1202	0.60 mm for up to Ø315 mm	112,00	36,00
25.470.1203	0.80 mm for up to Ø800 mm	126,00	36,00
25.470.1204	1.0 mm for up to Ø1000 mm	139,00	36,00
25.470.1205	1.2 mm for up to Ø1500 mm	150,00	36,00
<b>25.470.1300</b>	<b>Production of ventilation ducts with stainless steel plates:</b> The flange and ducts shall be made of stainless steel of min. 304 quality, manufactured by automatic machines, to be installed with built-in flanges or flanges with built-in mastic, with infiltration and other specifications in compliance with the item 25.470.1100.		
25.470.1301	0.50 mm for the longest edge up to 250 mm.	208,00	48,00
25.470.1302	0.60 mm for the longest edge up to 499 mm.	227,00	48,00
25.470.1303	0.70 mm for the longest edge up to 990 mm.	245,00	48,00
25.470.1304	0.8 mm for the longest edge up to 1490 mm.	274,00	49,30
25.470.1305	0.90 mm for the longest edge up to 1990 mm.	293,00	49,30
25.470.1306	1.00 mm for the longest edge up to 2490 mm.	329,00	50,50
25.470.1307	1.15 mm for the longest edge longer than 2490 mm.	367,00	52,00
<b>25.470.1600</b>	<b>Manufacture of ventilation ducts sized as specified in the project design with pre-insulated, embossed aluminum sheets:</b> Manufacture and installation, including the installation materials, of ventilation ducts coated with aluminum film on both surfaces, with cellular PUR (Polyurethane) / PIR (Polyisocyanurate) insulation (Max. density: 1 = 0.025 W/mK, 50 ± 5 kg/m³), 1300 Pa pressure resistance, hidden aluminum flanges, and PVC sliding connection flanges; with class C sealing as per TS EN 1507, in compliance with the Building Fire Safety Directive (the most difficult flammable), certified with flammability class as per TS EN 13501-1+A1, and in compliance with (TS) EN 13403; complete with special mastic or PVC caps at attachment points, and special fitting profiles for connection to such components as dampers, vent, etc. in the system. They shall be installed on the ceiling or the wall with threaded suspension bars mounted on brackets of appropriate size, and no charge shall apply for such works.		
25.470.1601	<b>20 mm insulation thickness, 80/80 micron Al plating</b> Min. 20 mm thickness, 80-micron internal and 80-micron external surface plated with aluminum, with the other specifications compatible with the item 25.470.1600.	150,00	35,20
25.470.1602	<b>20 mm insulation thickness, 80/200 micron Al plating</b> Min. 20 mm thickness, 80-micron internal and 200-micron external surface plated with aluminum, with the other specifications compatible wit the item 261-800.	177,00	35,20
25.470.1603	<b>30 mm insulation thickness, 80/200 micron Al plating</b> Min. 30 mm thickness, 80-micron internal and 200-micron external surface plated with aluminum, with the other specifications compatible with the item 25.470.1600.	199,00	35,20

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.470.1700</b>	<p><b>Ventilation Ducts made of embossed aluminum panels with hygienic pre-insulation</b>                      Pre-insulated, embossed AL panels used for manufacture of ventilation ducts shall be filled with PUR (Polyurethane) / PIR (Polyurethane), with all specifications complying with TS EN 13403, with the external surfaces made of embossed aluminum, internal surfaces through which air flows coated with a material with antioxidant active ingredient or silver-ion. Compliance with ISO 22196 or ASTM (American Society for Testing and Materials) standards shall be approved by antimicrobial / antibacterial activity tests of Accredited organizations. Flange connections completing the ventilation duct shall be of the same specifications. Other specifications of the ducts shall be compatible with the item 25.470.1600.</p>		
25.470.1701	<p><b>Ventilation Duct made of hygienic pre-insulated, embossed aluminum panels, 20-mm-thick insulation, and 80/80 micron Al plating</b>                      Ventilation Duct made of Hygienic, Pre-insulated, embossed aluminum panels Min. 20 mm thickness, 80-micron internal and 80-micron external surface plated with aluminum, with the other specifications the same as the item 25.470.1700</p>	167,00	36,00
25.470.1702	<p><b>Ventilation Duct made of hygienic pre-insulated, embossed aluminum panels, 20-mm-thick insulation, and 80/200 micron Al plating</b>                      Ventilation Duct made of Hygienic, Pre-insulated, embossed aluminum panels Min. 20 mm thickness, 80-micron internal and 200-micron external surface plated with aluminum, with the other specifications compatible with the item 25.470.1600.</p>	191,00	36,00
25.470.1703	<p><b>Ventilation Duct made of hygienic pre-insulated, embossed aluminum panels, 30-mm-thick insulation, and 80/200 micron Al plating</b>                      Ventilation Duct made of Hygienic, Pre-insulated, embossed aluminum panels Min. 30 mm thickness, 80-micron internal and 200-micron external surface plated with aluminum, with the other specifications compatible with the item 25.470.1600.</p>	223,00	36,00
<b>25.470.5100</b>	<b>Ventilation ducts made of flexible pipes:</b>		
25.470.5101	<p><b>Semi-flexible aluminum ventilation ducts</b>                      Supply and installation of semi-flexible ventilation ducts without thermal insulation manufactured by drawing together and coupling of min. 90-micron-thick pure aluminum strips, which has a temperature range of -30°C to +250°C, resistant to max. 2000 pa operating pressure, in compliance with TS EN 13180 with double clamp, which allows an air flow speed of max. 25 m/s.</p>	31,90	16,50
25.470.5102	<p><b>Ventilation ducts made of flexible stainless steel pipes:</b>                      Supply and installation of semi-flexible ventilation ducts without thermal insulation manufactured by drawing together and coupling of min. 100-micron-thick pure metallic 316 L stainless steel strips, which have a temperature range of -30°C to +250°C, resistant to max. 12500 pa operating pressure, in compliance with TS EN 13180 with double clamp, which allow an air flow speed of max. 25 m/s.</p>	170,00	16,50

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.470.5103	<p><b>Ventilation ducts made of fully flexible pipes coated with aluminum and resistant to high pressure;</b>                      Supply and installation of fully flexible ventilation ducts made by wrapping min. 65-micron-thick aluminum and polyester lamination on high-tension steel wire bent in helix form, used in a temperature range of -30°C to +140°C, resistant to min. 3000 Pa operating pressure, with thermally uninsulated internal and external surfaces, which shall allow a maximum air flow rate of 30 m/sec., be in compliance with TS EN 13180 and the Conditions required for compliance with the Building Fire Safety Directive as per TS EN 13501-1+A1.</p>	25,80	16,50
25.470.5104	<p><b>Ventilation ducts made of fully flexible pipes coated with hygienic aluminum;</b>                      Supply and installation of fully flexible ventilation ducts made by wrapping aluminum and polyester lamination on high-tension steel wire bent in helix form, used in a temperature range of -30°C to +150°C, resistant to min. 3000 Pa operating pressure, with thermally uninsulated internal and external surfaces coated with silver-based antimicrobial material with antibacterial characteristics confirmed by ISO 22196 test and antifungal characteristics confirmed by ASTM G21 test, which shall allow a maximum air flow rate of 30 m/sec., be in compliance with TS EN 13180 and the Conditions required for compliance with the Building Fire Safety Directive as per TSE 13501-1+A1.</p>	29,80	16,50
<b>25.470.5200</b>	<b>Ventilation ducts made of insulated flexible aluminum pipes.</b>		
25.470.5201	<p><b>Insulated, Semi-flexible aluminum ventilation ducts</b>                      Supply and installation of semi-flexible ventilation ducts with thermal insulation manufactured by drawing together and coupling of min. 90-micron-thick pure aluminum strips, which has a temperature range of -30°C to +250°C, resistant to max. 2000 operating pressure, in compliance with TS EN 13180 with double coupling, which allows an air flow speed of max. 25 m/s, is insulated with 2.5-cm glass wool mattress, and in compliance with the Building Fire Safety Directive as per TS EN 13501-1+A1.</p>	67,00	16,50
25.470.5202	<p><b>Ventilation ducts made of fully flexible pipes resistant to high pressure and thermally insulated with rock wool;</b>                      Supply and installation of fully flexible ventilation ducts made by wrapping min. 65-micron-thick aluminum and polyester lamination on high-tension steel wire bent in helix form, used in a temperature range of -30°C to +140°C, resistant to min. 3000 Pa operating pressure, with thermally insulated internal and external surfaces coated with 2.5-cm-thick fully flexible glass wool mattress with 16 kg/m<sup>3</sup> density and jacketed with polyester-laminated aluminum, which shall allow a maximum air flow rate of 30 m/sec., be in compliance with TS EN 13180 and the Conditions required for compliance with the Building Fire Safety Directive as per TS EN 13501-1+A1.</p>	41,90	16,50

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.470.5203	<b>Insulated ventilation ducts made of fully flexible pipes coated with hygienic aluminum</b> Supply and installation of fully flexible ventilation ducts made by wrapping aluminum and polyester lamination on high-tension steel wire bent in helix form, used in a temperature range of -30°C to +150°C, resistant to min. 3000 Pa operating pressure, with thermally uninsulated internal and external surfaces coated with silver-based antimicrobial material with antibacterial characteristics confirmed by ISO 22196 test and antifungal characteristics confirmed by ASTM G21 test, and with the interior duct covered with 2.5-cm-thick glass wool mattress with min. 16 kg/m <sup>3</sup> density, which shall allow a maximum air flow rate of 30 m/sec., be in compliance with TS EN 13180 and the Conditions required for compliance with the Building Fire Safety Directive as per TS EN13501-1+A1.	54,50	16,50
25.470.5204	<b>Flexible pipe ventilation duct material: (%)</b> Supply and installation of fittings such as tee-connectors, prongs, sleeves, reducers, etc. made of galvanized sheet metal or polypropylene material, required for attachment of flexible pipes to each other as described in the item 25.470.5100 and 25.470.5200.	% 35	
25.472.1000	<b>ACCESS DOORS: (Unit: Qty., Materials on construction site: 40%).</b> Manufacture access doors sized approximately as described below at required spots on the main ducts, installation of the covers with seals on the duct, complete with fittings and fixing equipment.		
<b>25.472.1100</b>	<b>Access door, double-wall, with the wall spacing filled with 2.5-cm-thick glass wool plate with 50 kg/m<sup>3</sup> density (to be in compliance with the type project)</b>		
25.472.1101	40 x 50 cm.	70,50	18,00
25.472.1102	20 x 30 cm.	121,00	18,00
<b>25.472.1200</b>	<b>Single-wall insulation on the access door; for installation on the ducts: (in compliance with the typical project.)</b>		
25.472.1201	40 x 50 cm	54,50	17,40
25.472.1202	20 x 30 cm.	70,00	17,40
<b>25.472.1300</b>	<b>Column damper: (Unit: Qty.)</b> For use at locations specified in the projects and at other locations as may be necessary, made of aluminum or cast iron of any size, galvanized sheet, manual adjustment valve etc. including any material, labor and assembly.		
25.472.1301	Up to 0.04 m <sup>2</sup>	52,50	11,80
25.472.1302	Up to 0.06 m <sup>2</sup>	59,00	11,80
25.472.1303	Up to 0.08 m <sup>2</sup>	72,50	11,80
25.472.1304	Up to 0.10 m <sup>2</sup>	87,00	11,80
25.472.1305	0.12 m <sup>2</sup> and above	102,00	11,80
<b>25.472.1400</b>	<b>AIR DAMPERS (Unit: m<sup>2</sup>, Materials on construction site: 60%)</b> Installation of dampers made up of moving blades on roller bearings and greasy bronze bearings, including the drive mechanism, galvanized sheet metal frame, fittings and fasteners, for installation at the locations specified in the project design as per the approved structural drawing.		
25.472.1401	Up to 0.10 m <sup>2</sup> (price for 1 m <sup>2</sup> )	954,00	35,20
25.472.1402	Up to 0.25 m <sup>2</sup> (price for 1 m <sup>2</sup> )	769,00	33,30
25.472.1403	Up to 0.50 m <sup>2</sup> (price for 1 m <sup>2</sup> )	683,00	33,30
25.472.1404	Up to 1.00 m <sup>2</sup> (price for 1 m <sup>2</sup> )	564,00	33,30

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.472.1405	Up to 1.50 m <sup>2</sup> (price for 1 m <sup>2</sup> )	483,00	29,40
25.472.1406	Up to 2.00 m <sup>2</sup> (price for 1 m <sup>2</sup> )	456,00	29,40
	Dampers larger than 2 m <sup>2</sup> shall be in 2 or more groups. In such cases, the Unit Price of the capacity after division shall be applicable.		
<b>25.472.1500</b>	<b>Sealed aluminum air dampers (Unit: m<sup>2</sup>).</b> Installation of the dampers made of aluminum profiles with an aerodynamic structure with minimum resistance to air flow, secured on a drive system with plastic or special alloy aluminum gears mounted on bronze sliding bearings as per the approved project design, with special seals installed on the slots on the damper blades to minimize air leaks.		
25.472.1501	Up to 0.10 m <sup>2</sup>	1.150,00	29,50
25.472.1502	Up to 0.25 m <sup>2</sup>	881,00	29,50
25.472.1503	Up to 0.50 m <sup>2</sup>	700,00	29,50
25.472.1504	Up to 1.00 m <sup>2</sup>	650,00	29,50
25.472.1505	Up to 1.50 m <sup>2</sup>	641,00	29,50
25.472.1506	Up to 2.00 m <sup>2</sup>	636,00	29,50
	Dampers larger than 2.00 m <sup>2</sup> shall be paid in 2 groups.		
<b>25.472.2100</b>	<b>Fire Damper with Thermal Trigger (TS EN 15650) (Unit: m<sup>2</sup>, Materials on construction site: 60%)</b> Supply and installation of fire dampers with thermal trigger made of galvanized sheet metal as per the relevant approved project design, connected to the duct with sealing, operating with a link with a fusing point of 72°C, tested for compliance with EN 1366-2 and at min. EI 90 S class as per the criteria specified in TS EN 13501-3 A1 and in compliance with the location of use (horizontal or vertical), in compliance with the Regulation 305/2011/EU on Construction Products, and released with the CE compliance marking.		
25.472.2101	Up to 0.10 m <sup>2</sup> (price for 1 m <sup>2</sup> )	4.330,00	667,00
25.472.2102	Up to 0.25 m <sup>2</sup> (price for 1 m <sup>2</sup> )	2.950,00	667,00
25.472.2103	Up to 0.50 m <sup>2</sup> (price for 1 m <sup>2</sup> )	2.370,00	667,00
25.472.2104	Up to 1.00 m <sup>2</sup> (price for 1 m <sup>2</sup> )	1.860,00	667,00
25.472.2105	Up to 1.50 m <sup>2</sup> (price for 1 m <sup>2</sup> )	1.790,00	667,00
25.472.2106	Up to 2.00 m <sup>2</sup> (price for 1 m <sup>2</sup> )	1.570,00	667,00
25.472.2107	Up to 2.50 m <sup>2</sup> (price for 1 m <sup>2</sup> )	1.550,00	667,00
<b>25.472.2200</b>	<b>Fire Damper with Servo Motor (TS EN 15650) (Unit: m<sup>2</sup>, Materials on construction site: 60%)</b> Supply and installation with all connections of fire dampers with servo motor, made of galvanized sheet metal as per the relevant approved project design, connected to the duct with sealing, operating with servo motor with an electro-thermal fuse and spring-returned servo motor system, tested for compliance with EN 1366-2 and at min. EI 90 S class as per the criteria specified in TS EN 13501-3 A1 and in compliance with the location of use (horizontal or vertical), in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR, and released with the CE compliance marking.		
25.472.2201	Up to 0.10 m <sup>2</sup> (price for 1 m <sup>2</sup> )	11.040,00	778,00

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<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.472.2202	Up to 0.25 m <sup>2</sup> (price for 1 m <sup>2</sup> )	5.580,00	778,00
25.472.2203	Up to 0.50 m <sup>2</sup> (price for 1 m <sup>2</sup> )	3.930,00	778,00
25.472.2204	Up to 1.00 m <sup>2</sup> (price for 1 m <sup>2</sup> )	3.230,00	778,00
25.472.2205	Up to 1.50 m <sup>2</sup> (price for 1 m <sup>2</sup> )	2.550,00	778,00
25.472.2206	Up to 2.00 m <sup>2</sup> (price for 1 m <sup>2</sup> )	2.460,00	778,00
25.472.2207	Up to 2.50 m <sup>2</sup> (price for 1 m <sup>2</sup> )	2.380,00	778,00
<b>25.475.1000</b>	<b>VENTS (Unit: Qty: Materials on construction site 60%)</b>		
<b>25.475.1100</b>	<b>Distribution grille (with two rows of blades)</b> Delivery in working order of an aluminum distribution grille coated in desired color, and with min. 22-mm frame, two rows of moving blades, an adjusting mechanism and sealing materials.		
25.475.1101	100- 500 cm <sup>2</sup>	40,60	12,80
25.475.1102	501-1000 cm <sup>2</sup>	74,00	14,00
25.475.1103	1001-1600 cm <sup>2</sup>	86,00	14,00
25.475.1104	1601-2500 cm <sup>2</sup>	133,00	14,50
25.475.1105	2501-3600 cm <sup>2</sup>	184,00	15,60
25.475.1106	3601-4500 cm <sup>2</sup>	229,00	15,90
<b>25.475.1200</b>	<b>Collection grille (with a single row of blades)</b> Installation and delivery in working order of an aluminum distribution grille coated in desired color, and with min. 22-mm frame, a single row of moving blades, an adjusting mechanism and sealing materials.		
25.475.1201	100- 500 cm <sup>2</sup>	36,90	12,80
25.475.1202	501-1000 cm <sup>2</sup>	55,50	13,80
25.475.1203	1001-1600 cm <sup>2</sup>	74,00	13,80
25.475.1204	1601-2500 cm <sup>2</sup>	97,50	14,20
25.475.1205	2501-3600 cm <sup>2</sup>	124,00	14,20
25.475.1206	3601-4500 cm <sup>2</sup>	145,00	14,90
<b>25.475.1300</b>	<b>Fixed-blade (linear) grille</b> Delivery in working order of an aluminum distribution grille coated in desired color, and with min. 22-mm frame, fixed blades and sealing materials.		
25.475.1301	Up to 500 cm <sup>2</sup>	37,10	14,20
25.475.1302	Up to 1000 cm <sup>2</sup>	63,00	14,90
25.475.1303	Up to 1600 cm <sup>2</sup>	89,00	15,60
25.475.1304	Up to 2500 cm <sup>2</sup>	121,00	16,00
25.475.1305	Up to 3600 cm <sup>2</sup>	161,00	16,00
25.475.1306	Up to 4500 cm <sup>2</sup>	184,00	16,00
<b>25.475.4000</b>	<b>ANEMOSTAT (Unit: Qty)</b>		
<b>25.475.4100</b>	<b>Aluminum circular anemostat with fixed blade spacing</b> Installation of an aluminum, circular anemostat that is composed of a diffuser, frame and blade group, coated with electrostatic powder paint, complete with a blade group detachable by a spring mechanism, 0.6-mm galvanized sheet metal enclosure, and a neck sized to allow installation of a fixed duct. Neck Diameter		
25.475.4101	Up to 6" - 15 cm	57,00	13,80
25.475.4102	Up to 8" - 20 cm	70,00	14,20
25.475.4103	Up to 10" - 25 cm	82,50	14,20
25.475.4104	Up to 12" - 30 cm	92,50	14,20



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<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.475.4105	Up to 14" - 35 cm	112,00	19,90
25.475.4106	Up to 16" - 40 cm	132,00	19,90
25.475.4107	Up to 18" - 45 cm	143,00	19,90
25.475.4108	Up to 20" - 50 cm	172,00	19,90
<b>25.475.4200</b>	<b>DKP/Galvanized sheet metal circular anemostat with fixed blade spacing</b> Installation of a DKP or galvanized sheet metal, circular anemostat that is composed of a diffuser, frame and blade group, coated with electrostatic powder paint, complete with a blade group detachable by a spring mechanism, 0.6-mm galvanized sheet metal enclosure, and a neck sized to allow installation of a fixed duct. Neck Diameter		
25.475.4201	Up to 6" - 15 cm	54,50	13,00
25.475.4202	Up to 8" - 20 cm	64,50	13,00
25.475.4203	Up to 10" - 25 cm	73,00	14,50
25.475.4204	Up to 12" - 30 cm	86,00	18,80
25.475.4205	Up to 14" - 35 cm	104,00	18,80
25.475.4206	Up to 16" - 40 cm	111,00	18,80
25.475.4207	Up to 18" - 45 cm	126,00	19,70
25.475.4208	Up to 20" - 50 cm	140,00	19,70
25.475.4300	<b>Flat-blade, Aluminum, Square Anemostat</b> Installation of an aluminum, square anemostat that is composed of a diffuser, frame and blade group, coated with electrostatic powder paint, complete with a blade group detachable by a spring mechanism, 0.6-mm galvanized sheet metal enclosure, and a neck sized to allow installation of a fixed duct. (The dimensions are approximate, and may differ by up to 10 mm)		
25.475.4301	150 x 150	126,10	15,50
25.475.4302	225 x 225	153,10	15,50
25.475.4303	300 x 300	196,30	19,90
25.475.4304	375 x 375	337,40	19,90
25.475.4305	450 x 450	370,00	23,00
25.475.4306	525 x 525	500,20	23,00
25.475.4307	600 x 600	533,50	23,00
25.475.4400	<b>Flat-blade, Sheet Metal, Square Anemostat</b> Installation of a DKP or galvanized sheet metal, square anemostat that is composed of a diffuser, frame and blade group, coated with electrostatic powder paint, complete with a blade group detachable by a spring mechanism, 0.6-mm galvanized sheet metal enclosure, and a neck sized to allow installation of a fixed duct. (The dimensions are approximate, and may differ by up to 10 mm)		
25.475.4401	150 x 150	99,20	15,50
25.475.4402	225 x 225	118,70	15,50
25.475.4403	300 x 300	142,10	19,90
25.475.4404	375 x 375	200,40	19,90
25.475.4405	450 x 450	239,00	23,00
25.475.4406	525 x 525	348,30	23,00
25.475.4407	600 x 600	394,90	23,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.475.6000</b>	<b>Blower Anemostat/Grille damper</b> Supply and installation of aluminum or sheet metal damper with opposing blades which shall be coated with electrostatic powder paint, installed in the interior of anemostats or grilles to adjust their air flow, and controlled by an external lever or screw.		
25.475.6001	100- 500 cm <sup>2</sup>	26,55	9,00
25.475.6002	501- 1000 cm <sup>2</sup>	30,45	10,00
25.475.6003	1001- 1600 cm <sup>2</sup>	39,30	11,00
25.475.6004	1601- 2500 cm <sup>2</sup>	41,85	12,00
25.475.6005	2501- 3600 cm <sup>2</sup>	54,45	12,00
25.475.6006	3601- 4500 cm <sup>2</sup>	56,55	13,00
<b>25.475.6200</b>	<b>Absorption Anemostat/Grille damper</b> Supply and installation of aluminum or sheet metal damper with parallel blades which shall be coated with electrostatic powder paint, installed in the interior of anemostats or grilles to adjust their air flow, and controlled by an external lever or screw.		
25.475.6201	100- 500 cm <sup>2</sup>	23,10	6,10
25.475.6202	501-1000 cm <sup>2</sup>	32,30	7,00
25.475.6203	1001-1600 cm <sup>2</sup>	42,80	7,25
25.475.6204	1601-2500 cm <sup>2</sup>	54,50	8,00
25.475.6205	2501-3600 cm <sup>2</sup>	71,50	8,00
25.475.6206	3601-4500 cm <sup>2</sup>	89,50	8,80
<b>25.475.6500</b>	<b>Sailor Anemostat (Unit: Qty.)</b> Supply to the work site, installation with any installation material, and delivery in working order, of sailor type anemostats made of aluminum or DKP sheet manufactured by method of metal spinning and coated with oven-dried paint, for suction of air in bathrooms and toilets.		
25.475.6501	Ø100 mm	33,00	13,80
25.475.6502	Ø125 mm	37,70	13,80
25.475.6503	Ø150 mm	46,10	17,80
25.475.6504	Ø200 mm	57,50	17,80
<b>25.475.7100</b>	<b>Linear (Slot) Diffusers (Unit: m)</b> Linear diffusers made of aluminum as per the approved project, equipped with guide blades on air outlets, min. 20 mm air discharge width between the slots, a plastic sliding damper on the back of the diffuser for adjusting air flow rate, and white oven-dried surface coating. A galvanized sheet metal plenum box shall be present on the back of the linear diffuser, and a hole shall be drilled on the box for connection of the flexible duct. Supply of linear diffusers, installation including any fitting, and delivery in working order.		
25.475.7101	Single-slot linear diffuser	127,00	32,70
25.475.7102	Two-slot linear diffuser	166,00	32,70
25.475.7103	Three-slot linear diffuser	219,00	43,40
25.475.7104	Four-slot linear diffuser	263,00	43,40

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.475.7200</b>	<b>Swirl diffusers (Unit: Qty.)</b> Supply, and installation in working order of diffusers made of DKP sheet metal for blowing up to 4 meters, phosphatized after surface cleaning, coated with electrostatic powder paint; equipped with plastic blades adjustable to provide optimal blowing form under heating and cooling conditions, a diffuser box made of 0.6-mm galvanized sheet metal, four fasteners for ceiling mount, and a casing with min. 6-mm-thick acoustic insulation inside the casing.		
25.475.7201	300 x 300 mm	105,00	19,90
25.475.7202	400 x 400 mm	135,00	19,90
25.475.7203	500 x 500 mm	170,00	23,60
25.475.7204	600 x 600 mm	204,00	23,60
<b>25.475.8100</b>	<b>LOUVER: (Unit: m<sup>2</sup>, Materials on site: 60%).</b> For installation on vents to be manufactured as per the approved detail drawings, complete with a frame, paint, installation, etc.		
25.475.8101	Made of galvanized sheet metal	358,00	42,80
25.475.8102	Made of aluminum	482,00	42,80
25.475.8200	<b>WIRE net (Unit: m<sup>2</sup>, Materials on construction site: 60%)</b> Supply and installation with frame of min. Ø1-mm galvanized wire net for installation on vents	68,50	24,20
<b>25.475.8300</b>	<b>Jalousie (for use in ventilation systems) (Unit: m<sup>2</sup>, Materials on site: 60%).</b> Supply and installation of jalousie that allow air flow in a single direction, and stops air flow by its moving blades when the ventilation system does not work.		
25.475.8301	Supply and installation of the item made of galvanized sheet metal as per the dimensions specified in the relevant project design:	390,00	42,80
25.475.8302	Made of aluminum:	552,00	42,80
<b>25.480.1000</b>	<b>SOUND ABSORBERS: (Unit: m<sup>2</sup>, Materials on construction site: 60%).</b>		
25.480.1100	<b>Flexible pipe sound absorbers:</b> Supply and installation of fully flexible ventilation ducts made by wrapping min. 70-micron-thick aluminum and polyester lamination on high-tension steel wire bent in helix form, used in a temperature range of -30°C to +140°C, resistant to min. 3000 Pa operating pressure, with thermally insulated aluminum internal and external surfaces, with a fully flexible ventilation duct perforated, coated with a humidity barrier, covered with 2.5-cm-thick glass wool mattress with 16 kg/m <sup>3</sup> density and factory-jacketed with polyester-laminated aluminum material, which shall allow a maximum air flow rate of 30 m/sec., be in compliance with TS EN 13180 and the Conditions required for compliance with the Building Fire Safety Directive as per TS EN 13501-1+A1.	61,00	16,50

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.480.1200	<p><b>Splitter-type sound absorbers:</b> For prevention of the noise caused by air conditioner and ventilation systems, to be installed within the ventilation duct prepared as per the item 261-100, with sliders in the form of rectangular prism, with the gaps and installation made to prevent deformation, and manufactured in compliance with the principles of sound absorption, made up of sound absorbing elements, with absorption elements made of inorganic, non-flammable mineral wool which absorb fan noise and placed at max. 20-cm intervals, with woven surface resistant to moisture and abrasion, with glass wool with 50 kg/m<sup>3</sup> density and rock wool with 70 kg/m<sup>3</sup> density as filling, with the surface coated with glass tissue that prevents particle abrasions up to 12 m/s. To be braced with galvanized sheet metal with 0.65 mm bending with class A fire-resistant insulation materials in compliance with DIN 4102 norms. 6 visible external surfaces of each slider shall be considered to calculate the area which shall be multiplied with the number of sliders used to calculate the payment.</p>		
25.480.1201	2.5-cm-thick with glass wool of 50 kg/m <sup>3</sup> density or rock wool of 70 kg/m <sup>3</sup> density	193,00	10,20
25.480.1202	5-cm-thick with glass wool of 50 kg/m <sup>3</sup> density or rock wool of 70 kg/m <sup>3</sup> density	261,00	10,20
25.480.1300	<p><b>DUCT INSULATOR (Unit: m<sup>2</sup>, Materials on construction site: 40%)</b> Insulation of ventilation ducts specified in the approved project with 2.5 to 5-cm-thick cork or similar boards, reinforcement of the corners with brackets, surrounding with 3 to 4-meter gaps, coating with sheet metal or aluminum with thickness in compliance with the project design, including any material and labor.</p>		
25.480.1301	Glass wool board with 2.5 cm thickness and 50 kg/m <sup>3</sup> density	19,50	12,50
25.480.1302	Glass wool board with 5.0 cm thickness and 50 kg/m <sup>3</sup> density	26,10	12,50
25.480.1303	Rock wool board with 2.5 cm thickness and 70 kg/m <sup>3</sup> density	23,50	12,50
25.480.1304	Rock wool board with 5.0 cm thickness and 70 kg/m <sup>3</sup> density	29,70	12,50
25.480.1400	<p><b>External insulation of ducts with glass wool plate or mattresses coated with tin foil on one side (Unit: m<sup>2</sup>, Materials on site: 40%).</b> Clearing the dust or impurities on the external surfaces of the ducts; sticking insulation retaining pins with self-adhesive base at 50-cm intervals depending on the duct size if the ducts are sized equivalent to two or more rows; fixing on the pins the factory-made glass wool or rock wool plates coated with tin foil on one side with the foil-coated side facing outside; placing and tightening the retaining washers on the pins and cutting off the protruding parts of the pins; covering the transverse and longitudinal joints of the plates or mats with 10-cm-wide, special, self-adhesive, reinforced tin foil, including any labor, for insulation of the ventilation ducts specified in the approved project design with glass wool with 50 kg/m<sup>3</sup> density or rock wool plates with 70 kg/m<sup>3</sup> density or glass wool mats with 24 kg/m<sup>3</sup> density factory-coated with 2.5 to 5-cm-thick tin foil with craft paper and reinforced with glass yarn (No additional charges shall apply for rock wool). Insulation materials shall be in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR and released with the CE compliance marking.</p>		
25.480.1401	Glass wool plate with 2.5 cm thickness and 50 kg/m <sup>3</sup> density	23,10	11,80
25.480.1402	Glass wool plate with 5.0 cm thickness and 50 kg/m <sup>3</sup> density	20,70	11,20

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.480.1403	Glass wool mats with 5.0 cm thickness and 24 kg/m <sup>3</sup> density	22,50	12,30
25.480.1404	Rock wool plate with 2.5 cm thickness and 70 kg/m <sup>3</sup> density	24,90	12,30
25.480.1405	Rock wool plate with 5.0 cm thickness and 70 kg/m <sup>3</sup> density	31,30	11,80
25.480.1406	Glass wool plate with 3.0 cm thickness and 50 kg/m <sup>3</sup> density	22,80	11,80
25.480.1407	Glass wool plate with 4.0 cm thickness and 50 kg/m <sup>3</sup> density	23,50	12,30
25.480.1408	Rock wool plate with 3.0 cm thickness and 70 kg/m <sup>3</sup> density	26,40	12,30
25.480.1409	Rock wool plate with 4.0 cm thickness and 70 kg/m <sup>3</sup> density	31,50	12,30
<b>25.480.1500</b>	<p><b>Insulation of ducts with rubber foam insulation material (Unit: m<sup>2</sup>. Materials on site: 40%)</b></p> <p>Supply, transportation to the work site, and installation (not including the price of red lead, UV protection coating and suspension bars) of flexible elastomeric rubber foam insulation material made of elastomeric rubber foam-based material by extrusion, and used for insulation of cold and warm surfaces at a temperature range of -60°C to +100°C, with fire reaction class C as per TS EN 13501-1+A1, with declared heat conductivity value <math>\lambda (0^{\circ}\text{C}) \leq 0.040 \text{ W/mK}</math>, water vapor diffusion resistance coefficient <math>\mu \geq 7000</math>, and with a closed cell with an average density of 40 to 75 kg/m<sup>3</sup>. It is compulsory to clear the surface of the duct to be insulated of dust or impurities, affix the insulation material after applying the special adhesive for rubber foam on the duct surface, attach the joints of elastomeric rubber foam board insulators with 3-mm-thick, self-adhesive, elastomeric rubber tape; apply additional elastomeric rubber foam in the gap between the material and suspension bars to prevent thermal bridges where the installation must be supported with suspension systems and to ensure continuity of insulation, and apply two layers of UV protection coating manufactured specifically to protect the insulation boards from external impacts where elastomeric rubber foam insulation boards are used outside. The Insulation Materials shall be in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking.</p> <p>NOTE: The unit price including installation shall be raised by 7% if two layers of UV protection coating is used.</p> <ul style="list-style-type: none"> <li>- If also coating materials are used, they shall be charged per the relevant items.</li> <li>- The fire resistance values as well as <math>\lambda</math> and <math>\mu</math> values shall be proven with test reports.</li> </ul> <p>Thickness</p>		
25.480.1501	9-mm Plate	30,00	15,60
25.480.1502	13-mm Plate	35,00	15,60
25.480.1503	19-mm Plate	41,90	15,60
25.480.1504	25-mm Plate	51,00	15,60
25.480.1505	32-mm Plate	67,50	15,60
25.480.1506	40-mm Plate	93,50	16,20
25.480.1507	50-mm Plate	107,00	16,50

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.480.1600</b>	<p><b>Insulation of interior ducts with rubber foam insulation boards coated with 1 layer of Polymer (PVC, polypropylene, polyester, etc.), 1 layer of Tin foil, and 1 layer of Polyester film with a total thickness of min. 300 microns (Unit: m<sup>2</sup>, Materials on construction site: 40%)</b></p> <p>Supply, transportation to the work site, and installation, of the said insulation materials coated with flexible elastomeric rubber foam manufactured by extrusion method, and a layer of polymer (PVC, polypropylene, polyester, etc.), a layer of tin foil, and a layer of polyester with min. 300-micron total thickness, and an insulation with a water vapor diffusion resistance coefficient of <math>\mu \geq 140,000</math>; with <math>(0\text{ C})\lambda \leq 0.035\text{ W/mK}</math> (EN 12667 - DIN 52612) heat conductivity, <math>\mu \geq 7000</math> (EN 12086 - DIN 52615) water vapor diffusion resistance coefficient, fire reaction class C as per TS EN 13501-1 +A1, 60-75 kg/m<sup>3</sup> average density, min. 90% closed cell and min. 100 to 120 cells per cm<sup>2</sup>; and applying thermal insulation on cold and warm surfaces at -40°C to +85°C,</p> <p>clearing the corrosion, dust and impurities on the duct surface to be insulated, coating the bottom, side and top surfaces in this order and attaching the edges after applying the adhesive developed specifically for the boards to be fixed on the duct surface, then sealing the joints that may form along the duct with 50-mm-wide, self-adhesive aluminum tape, and applying insulation on any valve, silt traps, check valves, valve actuators, and similar other equipment with special adhesive material and self-adhesive aluminum tape. The Insulation Materials shall be in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR and released with the CE compliance marking.</p> <p>Plate width Wall thickness</p>		
25.480.1601	1000 10 mm	72,00	15,20
25.480.1602	1000 13 mm	77,50	15,20
25.480.1603	1000 19 mm	87,00	15,20
25.480.1604	1000 25 mm	98,00	15,20
25.480.1605	1000 32 mm	115,00	15,20
25.480.1606	1000 40 mm	130,00	15,20
25.480.1607	1000 50 mm	151,00	15,20
<b>25.480.1700</b>	<p><b>Insulation of ducts with polyethylene foam-based thermal insulation boards (Unit: m<sup>2</sup>, Materials on construction site: 40%).</b></p> <p>Supply, transportation to the work site, and installation, of the said insulation materials that are in the form of plate, fully flexible, closed-cell, atmosphere-resistant, mildew-proof and easy to form, free from chlorine that causes corrosion, resistant to biological conditions, unharmed to human health, and non-friable; with <math>(40\text{ C})\lambda \leq 0.040\text{ W/mK}</math> heat conductivity, <math>\mu \geq 5000</math> water vapor diffusion resistance coefficient, fire reaction class C as per TS EN 13501-1 +A1, with 25-40 kg/m<sup>3</sup> density, and with a temperature range of -80°C to +100°C. It shall be compulsory to clear dust, corrosion and impurities on the duct surfaces to be applied thermal insulation and apply the insulation material after putting the special liquid adhesive on both the polyethylene thermal insulation board and the external surfaces of the duct with a density of 250 g/m<sup>2</sup>, then attaching the joints with 3-mm-thick self-adhesive polyethylene tape or 5-cm-thick, yarn-reinforced PVC tape, apply additional polyethylene foam insulation plates in the gap between the material and suspension bars to prevent thermal bridges where the installation must be supported with suspension systems and to ensure continuity of insulation, and apply two layers of UV protection coating manufactured specifically to protect the insulation plates from external impacts where elastomeric rubber foam insulation plates are used outside. Insulation Materials shall be in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR, and released with the CE compliance marking.</p> <p>NOTE: The unit price including installation shall be raised by 7% if two layers of UV protection varnish is used. The fire resistance values as well as <math>\lambda</math> and <math>\mu</math> values shall be proven with test reports.</p> <p>Wall Thickness</p>		
25.480.1701	10 mm.	20,80	16,90

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.480.1702	15 mm.	26,80	18,50
25.480.1703	20 mm.	31,40	19,90
25.480.1704	30 mm.	41,00	20,20
<b>25.480.1750</b>	<p><b>Insulation of ducts with polyethylene foam-based thermal insulation boards coated with tin foil on one side (Unit: m<sup>2</sup>, Materials on construction site: 40%).</b></p> <p>Supply, transportation to the work site, and installation of closed-cell, undulated, water-tight thermal insulation materials and adhesive and tape coated with 25-micron aluminum lamination on one side, in the form of board, resistant to UV, external impacts and climate conditions, mildew-proof and easy to form, free from chlorine that causes corrosion, resistant to biological conditions, unharmed to human health, and non-friable, with size stability, (40°C) <math>\lambda \leq 0.040</math> W/mK heat conductivity, <math>\mu \geq 5000</math> water vapor diffusion resistance coefficient, fire reaction class C as per TS EN 13501-1 +A1, with 25-40 kg/m<sup>3</sup> density, and with a temperature range of -80°C to +100°C, for clearing dust, corrosion and impurities on the duct surfaces to be applied thermal insulation and applying the insulation material after putting the special liquid adhesive on both the polyethylene thermal insulation board and the external surfaces of the duct with a density of 250 g/m<sup>2</sup>, then applying self-adhesive polyethylene tape on joints following the application of the insulation material. The Insulation Materials shall be in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking. Note: The fire resistance values as well as <math>\lambda</math> and <math>\mu</math> values shall be proven with test reports. Wall Thickness</p>		
25.480.1751	10 mm.	23,40	15,20
25.480.1752	15 mm.	26,60	15,20
25.480.1753	20 mm.	30,10	15,20
25.480.1754	30 mm.	37,70	15,20
<b>25.480.1800</b>	<p><b>Insulation of interior ducts with Elastomeric Rubber Foam Insulation Plates coated with tin foil, with a total thickness of 75 to 300 microns (Unit: m<sup>2</sup>, Materials on site: 40%)</b></p> <p>Supply, transportation to the work site, and installation, of the said insulation materials coated with tin foil with a total thickness of 75 to 300 microns; with (0 C) <math>\lambda \leq 0.40</math> W/mK (EN 12667 - DIN 52612) heat conductivity, <math>\mu \geq 7000</math> (EN 12086 - DIN 52615) water vapor diffusion resistance coefficient, fire reaction class C as per TS EN 13501-1 +A1, 40-75 kg/m<sup>3</sup> average density, min. 90% closed cell; and applying thermal insulation on cold and warm surfaces at -60°C to +85°C with flexible elastomeric rubber foam manufactured by extrusion method, clearing the corrosion, dust and impurities on the duct surface to be insulated, coating the bottom, side and top surfaces in this order and attaching the edges after applying the adhesive developed specifically for the plates to be fixed on the duct surface, then sealing the joints that may form along the duct with 30-micron-thick and 50-mm-wide, self-adhesive aluminum tape, and applying insulation on any valve, silt traps, check valves, valve actuators, and similar other equipment with special adhesive material and self-adhesive aluminum tape. The Insulation Materials shall be in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking. NOTE: UV-resistant coating shall not be used due to the UV-resistant tin foil coating. The fire class as well as m and l values shall be proven with test reports. Plate width Wall thickness</p>		
25.480.1801	1000 10	66,50	16,60
25.480.1802	1000 13	71,50	16,60
25.480.1803	1000 19	79,50	16,60

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.480.1804	1000 25	91,50	16,60
25.480.1805	1000 32	109,00	16,60
25.480.1806	1000 40	131,00	16,60
25.480.1807	1000 50	146,00	16,60
<b>25.480.1850</b>	<p><b>Insulation of exterior ducts with Elastomeric Rubber Foam Insulation Plates coated with aluminum, with a total thickness of 300 microns and above:</b></p> <p>Supply, transportation to the work site, and installation, of the said insulation materials coated with tin foil with a total thickness of 300 microns and above; with (0 C) <math>\lambda \leq 0.40</math> W/mK (EN 12667 - DIN 52612) heat conductivity, <math>\mu \geq 7000</math> (EN 12086 - DIN 52615) water vapor diffusion resistance coefficient, fire reaction class C as per TS EN 13501-1, 40-75 kg/m<sup>3</sup> average density, min. 90% closed cell; and applying thermal insulation on cold and warm surfaces at -60°C to +85°C with flexible elastomeric rubber foam manufactured by extrusion method, clearing the corrosion, dust and impurities on the duct surface to be insulated, coating the bottom, side and top surfaces in this order and attaching the edges after applying the adhesive developed specifically for the plates to be fixed on the duct surface, then sealing the joints that may form along the duct with 140-micron-thick and 35/50-mm-wide, self-adhesive aluminum tape, and applying insulation on any valve, silt traps, check valves, valve actuators, and similar other equipment with special adhesive material and self-adhesive aluminum tape. Insulation materials shall be in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR and released with the CE compliance marking.</p> <p>NOTE: UV-resistant coating shall not be used due to the UV-resistant tin foil coating.</p> <p>The fire class as well as m and l values shall be proven with test reports.</p> <p>Plate Width (mm) Wall thickness (mm)</p>		
25.480.1851	1000 10	78,00	16,60
25.480.1852	1000 13	83,50	16,60
25.480.1853	1000 19	90,50	16,60
25.480.1854	1000 25	103,00	16,60
25.480.1855	1000 32	115,00	16,60
25.480.1856	1000 40	141,00	16,60
25.480.1857	1000 50	153,00	16,60
<b>25.480.2000</b>	<p><b>ACOUSTIC INSULATION (Unit: m<sup>2</sup>, Materials on construction site: 40%).</b></p> <p>Insulation of the interior parts with insulation material as specified in the type detail drawings for sound absorption of the ducts that are indicated for acoustic insulation in the relevant project, including any material and labor required for application.</p>		



**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.480.2100</b>	<b>Interior acoustic insulation of the ducts with glass wool mattresses, glass wool plates or rock wool plates factory-coated with acrilan or glass tissue (Unit: m<sup>2</sup>; Materials on construction site: 40%)</b> Clearing impurities of dust and grease from the internal surfaces of the ducts, attaching the insulation retaining pins with self-adhesive base at 50-cm intervals along the duct in two or more rows depending on its width, fixing glass wool mats with 24 kg/m <sup>3</sup> density and one side covered with fabricated acrilan or glass wool plates with 50 kg/m <sup>3</sup> density and one side covered with glass tissue or rock wool plates with 70 kg/m <sup>3</sup> density, with the surface covered with acrilan or glass tissue facing inside, installing retaining washers on pins and cutting the protruding parts of the pins for sound absorption of the ducts to be acoustically insulated as per the relevant project, including any material and labor.		
25.480.2101	Glass wool plate with 2.5 cm thickness and 50 kg/m <sup>3</sup> density coated with glass tissue	23,20	11,80
25.480.2102	Glass wool plate with 3.0 cm thickness and 50 kg/m <sup>3</sup> density coated with glass tissue	24,20	11,80
25.480.2103	Glass wool plate with 5.0 cm thickness and 50 kg/m <sup>3</sup> density coated with glass tissue	21,70	11,80
25.480.2104	Glass wool mattress with 2.5 cm thickness and 24 kg/m <sup>3</sup> density coated with acrilan	23,20	11,80
25.480.2105	Rock wool plate with 2.5 cm thickness and 70 kg/m <sup>3</sup> density coated with glass tissue	29,80	11,80
25.480.2106	Rock wool plate with 5.0 cm thickness and 70 kg/m <sup>3</sup> density coated with glass tissue	22,10	11,80
25.480.2107	Glass wool mattress with 1.5 cm thickness and 24 kg/m <sup>3</sup> density coated with acrilan	29,90	11,80
<b>25.480.2200</b>	<b>Acoustic insulation with polyurethane acoustic foam plate (Unit: m<sup>2</sup>, Materials on construction site: 40%)</b> Clearing dust, grease and impurities from the internal surfaces of the ducts; supply to the work site and installation of flame-retarding, self-extinguishing polyurethane foam plates selected to be compatible with the duct section and air flow rate, with 75 to 100 kg/m <sup>3</sup> density, fire reaction class C as per TS EN 13501-1+A1, and thermal conductivity coefficient $\lambda$ (40°C) $\leq$ 0.040 W/mK, uniformly on the internal wall of the duct after applying the adhesive mixed with thinner on the internal surfaces of the ducts with a density of 0.5 liter per square meter, for acoustic insulation of ventilation ducts that will be acoustically insulated as per the relevant project. Note: The fire resistance values as well as $\lambda$ values shall be proven with test reports. Insulation thickness		
25.480.2201	6 mm.	31,80	21,20
25.480.2202	10 mm.	46,80	21,20
25.480.2203	15 mm.	66,00	21,20
25.480.2204	20 mm.	87,00	22,40
25.480.2205	25 mm	106,00	22,40

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.480.3000</b>	<p><b>Factory-made glass wool prefabricated air conditioner ducts (Unit: m<sup>2</sup>, Materials on construction site: 40%)</b>                      Production of 2.5-cm-thick ducts with 85 kg/m<sup>3</sup> density formed by cutting by special knives of glass wool plates as per the dimensions specified in the relevant project design, with the external surface covered with reinforced tin foil, internal surface covered with colored glass tissue or tin foil, and stapling of the joints, then installation by applying 5-cm-wide self-adhesive tapes (no additional acoustic insulation shall be required when prefabricated glass wool air conditioner ducts with internal surfaces covered with colored glass tissue are used.)</p>		
25.480.3001	Internal surface coated with glass tissue	63,00	25,00
25.480.3002	Internal surface covered with tin foil	65,00	25,00
<b>25.485.1000</b>	<p><b>FAN COIL UNITS (Unit: Qty.)</b>                      They shall operate with dynamically and statically balanced close-bladed radial fans with densely positioned fins driven by 220 V, 50 Hz. single or double-shaft, three-speed electric motors, which can be used for heating and cooling. They shall be equipped with cleanable filters for air suction. Serpentine shall be manufactured by the principle that copper pipes are inflated mechanically with aluminum fins firmly mounted to form close mechanical bonds. A drainage tray and connection to collect the condensate shall be present below the serpentine, and the parts that contact the condensate shall be protected against corrosion and insulated to improve acoustic and thermal performance. Fan-coil units shall be supplied and installation in working order with all connections made as per the relevant approved project.                      NOTE: The heat provided with 18 to 20°C air input and 90/70°C water shall be taken as basis for the device capacity.</p>		
<b>25.485.1100</b>	<b>Cassette Floor Type Fan Coil Unit</b>		
25.485.1101	3000 kcal/h	1.879,63	75,69
25.485.1102	4000 kcal/h	1.950,76	75,69
25.485.1103	5000 kcal/h	2.028,11	75,69
25.485.1104	6000 kcal/h	2.209,13	92,81
25.485.1105	7000 kcal/h	2.508,50	92,81
25.485.1106	8000 kcal/h	2.748,54	92,81
25.485.1107	10000 kcal/h	3.054,28	92,81
25.485.1108	12500 kcal/h	3.347,00	109,94
25.485.1109	15000 kcal/h	3.429,68	109,94
25.485.1110	17500 kcal/h	4.022,21	109,94
25.485.1111	20000 kcal/h	4.142,74	109,94
<b>25.485.1200</b>	<b>Concealed Ceiling/Floor Type Fan Coil Unit</b>		
25.485.1201	3000 kcal/h	1.688,90	92,81
25.485.1202	4000 kcal/h	1.748,63	92,81
25.485.1203	5000 kcal/h	1.958,73	92,81
25.485.1204	6000 kcal/h	2.161,56	109,94
25.485.1205	7000 kcal/h	2.309,04	109,94
25.485.1206	8000 kcal/h	2.445,15	109,94
25.485.1207	10000 kcal/h	2.729,78	109,94
25.485.1208	12500 kcal/h	2.989,06	127,06
25.485.1209	15000 kcal/h	3.257,58	127,06
25.485.1210	17500 kcal/h	3.421,98	127,06

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.485.1211	20000 kcal/h	3.618,95	127,06
<b>25.485.1300</b>	<p><b>Cassette Type 4-direction blowing Fan Coil Unit</b>                      Drainage pump for draining the water condensed at the tray of the device shall be built in the device and operate up to a maximum pump head of 500 mm. The fan coils shall have a high-quality galvanized steel enclosure. The maximum device height shall be 300 mm to allow installation at narrow heights of suspended ceiling. The rest of the device specifications are given in the item 25.485.1000.</p>		
25.485.1301	4000 kcal/h	4.280,31	92,81
25.485.1302	5000 kcal/h	4.385,48	92,81
25.485.1303	6000 kcal/h	4.506,09	92,81
25.485.1304	7000 kcal/h	4.590,23	109,94
25.485.1305	8000 kcal/h	4.640,78	109,94
25.485.1306	10000 kcal/h	6.024,24	109,94
25.485.1307	12500 kcal/h	7.538,66	109,94
25.485.1308	15000 kcal/h	7.765,31	127,06
25.485.1309	17500 kcal/h	7.972,01	127,06
25.485.1310	20000 kcal/h	10.423,83	127,06
<b>25.485.2000</b>	<p><b>Four-tube Fan Coil Units</b>                      Other specifications shall be the same as the fan coil types in the item 25.485.1000 with the unit prices including installation of the relevant item increased by 20% and installation fees remaining the same.</p>		
<b>25.490.0000</b>	<p><b>AIR CONDITIONING SYSTEM WITH VARIABLE COOLANT FLOW RATE AND MULTIPLE INTERNAL UNITS (Unit: Qty.)</b>                      Supply, installation, delivery in working order of air conditioning systems with variable coolant flow rate which allows connection of multiple (cassette, ceiling, duct, floor, wall types, etc.) internal units in an external unit as per the approved project, and which can perform cooling, and heating as a heat pump. Each external unit shall determine the amount of coolant required for the location of each internal unit connected to it, change the amount of coolant to be sent to the system depending on the data acquired by the signal to be sent to perform capacity check; while internal units shall perform capacity check by electronic expansion valves, external units shall determine the amount of coolant required by the signals that they receive from the internal units and send coolant to the system at variable flow rates by means of a microprocessor board, and the coolant to be used in the system shall be ozone-friendly R410 A. The item shall be delivered in working order, including filling the entire system with the coolant gas. Draining pipes shall be charged per the relevant piping items, the power panel and power and signal cables shall be charged per the unit prices of electricity works.</p>		

**Ventilation and Air Conditioning Installations**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.490.1000</b>	<p><b>EXTERNAL UNIT OR GROUP OF EXTERNAL UNITS (Unit: Qty.)</b>                      Supply of external units with air-cooled condensers, DC inverter compressors, and min. 3.2 EER (Energy Efficiency Ratio) and 3.4 COP value, which allow connection of internal units of various capacities and types with branch parts on a single line for individual liquid and gas lines from the external units or groups of external units; pressurizing of the units with nitrogen after the connections of pipes and power wires, and delivery in working order, including filling of coolant gas in the entire system.                      - Nominal capacity and efficiency: Cooling: Interior: 27 C KT/19 C YT, Exterior: 35 CKT/24 CYT; Heating: Interior: 20 C KT/15 C YT Exterior: 7 CKT/6 CYT, pipe length: 7.5 m and elevation difference: 0 m.                      - External units shall be raised gradually to 25 bar pressure with N2 (Nitrogen) gas after installation and tested for at least 24 hours under this pressure.</p>		
<b>25.490.1100</b>	<p><b>EXTERNAL UNIT OR EXTERNAL UNIT GROUP WITH FULLY FREQUENCY-CONTROLLED COMPRESSOR (Unit: Qty.)</b>                      External unit or external unit group with air-cooled condenser, all compressors DC inverter compressor with frequency control, and with the rest of the specifications in compliance with the item 25.490.1000.</p>		
25.490.1101	Cooling capacity (nom): 22 kW, Heating capacity (nom): 24 kW.	25.600,00	655,00
25.490.1102	Cooling capacity (nom): 27 kW, Heating capacity (nom): 31 kW.	26.560,00	722,00
25.490.1103	Cooling capacity (nom): 33 kW, Heating capacity (nom): 37 kW.	30.280,00	722,00
25.490.1104	Cooling capacity (nom): 39 kW, Heating capacity (nom): 44 kW.	34.190,00	722,00
25.490.1105	Cooling capacity (nom): 44 kW, Heating capacity (nom): 49 kW.	37.580,00	722,00
25.490.1106	Cooling capacity (nom): 50 kW, Heating capacity (nom): 56 kW.	41.000,00	722,00
25.490.1107	Cooling capacity (nom): 55 kW, Heating capacity (nom): 62 kW.	46.440,00	1.590,00
25.490.1108	Cooling capacity (nom): 61 kW, Heating capacity (nom): 68 kW.	54.770,00	1.590,00
25.490.1109	Cooling capacity (nom): 66 kW, Heating capacity (nom): 74 kW.	58.940,00	1.590,00
25.490.1110	Cooling capacity (nom): 73 kW, Heating capacity (nom): 82 kW.	62.620,00	1.590,00
25.490.1111	Cooling capacity (nom): 78 kW, Heating capacity (nom): 87 kW.	65.200,00	1.590,00
25.490.1112	Cooling capacity (nom): 84 kW, Heating capacity (nom): 94 kW.	67.710,00	1.590,00
25.490.1113	Cooling capacity (nom): 89 kW, Heating capacity (nom): 99 kW.	73.370,00	1.590,00
25.490.1114	Cooling capacity (nom): 94 kW, Heating capacity (nom): 105 kW.	78.710,00	1.590,00
25.490.1115	Cooling capacity (nom): 100 kW, Heating capacity (nom): 112 kW.	80.910,00	1.590,00
25.490.1116	Cooling capacity (nom): 105 kW, Heating capacity (nom): 115 kW.	86.180,00	2.380,00

### Ventilation and Air Conditioning Installations

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.490.1117	Cooling capacity (nom): 110 kW, Heating capacity (nom): 120 kW.	90.580,00	2.380,00
25.490.1118	Cooling capacity (nom): 115 kW, Heating capacity (nom): 130 kW.	97.760,00	2.380,00
25.490.1119	Cooling capacity (nom): 120 kW, Heating capacity (nom): 135 kW.	100.500,00	2.380,00
25.490.1120	Cooling capacity (nom): 129 kW, Heating capacity (nom): 140 kW.	108.700,00	2.380,00
25.490.1121	Cooling capacity (nom): 134 kW, Heating capacity (nom): 149 kW.	111.400,00	2.380,00
<b>25.490.2000</b>	<b>INTERNAL UNITS (Unit: Qty.)</b> Delivery in working order of the internal units with the following types and capacities, diffusers that diffuse air, protection fuses to protect fan motors from overheat, a microprocessor thermostat for temperature control, and a washable long-lasting filter, which can be controlled by a central controller, with all coolants filled and condensation connections made. - Internal units shall be raised gradually to 25 bar pressure with N2 (Nitrogen) gas after installation and tested for at least 24 hours under this pressure. (The capacities are in ranges and include the values up to the upper capacities.)		
25.490.2100	<b>Wall-mounted Interior Unit</b> Installation of interior units that can be used wall-mounted, and direct air up/down, left/right by guide blades.		
25.490.2101	Cooling capacity (nom): 2-2.5 kW, Heating capacity (nom): 2.5-3 kW	2.370,00	250,00
25.490.2102	Cooling capacity (nom): 2.5-3 kW, Heating capacity (nom): 3-3.5 kW.	2.510,00	250,00
25.490.2103	Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW.	2.640,00	250,00
25.490.2104	Cooling capacity (nom): 4-5.5 kW, Heating capacity (nom): 4.5-6 kW.	2.730,00	250,00
25.490.2105	Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-7.5 kW.	2.840,00	250,00
25.490.2106	Cooling capacity (nom): 7-9 kW, Heating capacity (nom): 7.5 -10 kW.	3.010,00	250,00
<b>25.490.2200</b>	<b>Cassette-type Interior Unit</b> Installation and delivery in working order of cassette-type internal units which can be used as suspended to suspended ceiling gaps, guides air upwards/downwards and to left/right by guide blades, blow air in two or four directions as per the project. - The unit shall be equipped with a drainage pump that can pump up to min. 50 cm high (from the base of the device) as standard equipment.		
25.490.2201	Cooling capacity (nom): 2-2.5 kW, Heating capacity (nom): 2.5-3 kW.	3.080,00	312,00
25.490.2202	Cooling capacity (nom): 2.5-3 kW, Heating capacity (nom): 3-3.5 kW.	3.390,00	312,00
25.490.2203	Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW.	3.610,00	312,00
25.490.2204	Cooling capacity (nom): 4-5.5 kW, Heating capacity (nom): 4.5-6 kW.	3.710,00	312,00

### Ventilation and Air Conditioning Installations

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.490.2205	Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-8.5 kW.	3.890,00	312,00
25.490.2206	Cooling capacity (nom): 7-7.5 kW, Heating capacity (nom): 7.5-8.5 kW.	4.070,00	312,00
25.490.2207	Cooling capacity (nom): 7.5-9 kW, Heating capacity (nom): 8.5-9.5 kW.	4.460,00	312,00
25.490.2208	Cooling capacity (nom): 9.0-11 kW, Heating capacity (nom): 9.9-12 kW.	4.740,00	312,00
25.490.2209	Cooling capacity (nom): 11-12 kW, Heating capacity (nom): 12-13 kW.	4.960,00	345,00
25.490.2210	Cooling capacity (nom): 12-14 kW, Heating capacity (nom): 13-16 kW.	5.240,00	345,00
25.490.2211	Cooling capacity (nom): 14-16 kW, Heating capacity (nom): 16-19 kW.	5.340,00	345,00
<b>25.490.2300</b>	<b>Duct-type Interior Unit</b> Installation and delivery in working order of internal units with 30 Pa static air pressure outside the device, which allow connection of ducts.		
25.490.2301	Cooling capacity (nom): 1.5-2 kW, Heating capacity (nom): 1.9-2.5 kW.	2.420,00	312,00
25.490.2302	Cooling capacity (nom): 2-2.5 kW, Heating capacity (nom): 2.5-3 kW.	2.490,00	312,00
25.490.2303	Cooling capacity (nom): 2.5-3 kW, Heating capacity (nom): 3-3.5 kW.	2.500,00	312,00
25.490.2304	Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW.	2.620,00	312,00
25.490.2305	Cooling capacity (nom): 4-5.5 kW, Heating capacity (nom): 4.5-6 kW.	2.700,00	312,00
25.490.2306	Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-7.5 kW.	2.820,00	312,00
25.490.2307	Cooling capacity (nom): 7-9 kW, Heating capacity (nom): 7.5-10 kW.	3.020,00	312,00
<b>25.490.2400</b>	<b>Duct-type Interior Unit with High Static Pressure</b> Installation and delivery in working order of internal units with 80 Pa static air pressure outside the device, which allow connection of ducts.		
25.490.2401	Cooling capacity (nom): 2-2.5 kW, Heating capacity (nom): 2.5-3 kW.	3.070,00	312,00
25.490.2402	Cooling capacity (nom): 2.5-3 kW, Heating capacity (nom): 3-3.5 kW.	3.110,00	312,00
25.490.2403	Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW.	3.130,00	312,00
25.490.2404	Cooling capacity (nom): 4-5.5 kW, Heating capacity (nom): 4.5-6 kW.	3.220,00	312,00
25.490.2405	Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-7.5 kW.	3.810,00	312,00
25.490.2406	Cooling capacity (nom): 7-7.5 kW, Heating capacity (nom): 7.5-8.5 kW.	3.880,00	312,00
25.490.2407	Cooling capacity (nom): 7.5-9 kW, Heating capacity (nom): 8.5-9.9 kW.	4.340,00	312,00
25.490.2408	Cooling capacity (nom): 9.0-11 kW, Heating capacity (nom): 9.9-12 kW.	4.400,00	312,00
25.490.2409	Cooling capacity (nom): 11-12 kW, Heating capacity (nom): 12-13 kW.	4.850,00	345,00

### Ventilation and Air Conditioning Installations

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.490.2410	Cooling capacity (nom): 12-14 kW, Heating capacity (nom): 13-16 kW.	5.050,00	345,00
25.490.2411	Cooling capacity (nom): 14-16 kW, Heating capacity (nom): 16-19 kW.	5.430,00	345,00
<b>25.490.2500</b>	<b>Ceiling-mounted Interior Unit</b> Installation and delivery in working order of ceiling-mounted interior units that can be used as ceiling-mounted		
25.490.2501	Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW.	2.650,00	312,00
25.490.2502	Cooling capacity (nom): 4-5 kW, Heating capacity (nom): 4.5-6 kW.	2.840,00	312,00
25.490.2503	Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-8.5 kW.	2.940,00	312,00
25.490.2504	Cooling capacity (nom): 7.0-9 kW, Heating capacity (nom): 8.5-10 kW.	3.220,00	345,00
<b>25.490.2600</b>	<b>Floor-type Interior Unit with Cabinet</b> Installation and delivery in working order of floor-mounted interior units with cabinets, which can be used as floor-mounted		
25.490.2601	Cooling capacity (nom): 2.2-2.8 kW, Heating capacity (nom): 2.5-3 kW	3.240,00	250,00
25.490.2602	Cooling capacity (nom): 2.8-3 kW, Heating capacity (nom): 3.0-3.5 kW	3.290,00	250,00
25.490.2603	Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW.	3.410,00	250,00
25.490.2604	Cooling capacity (nom): 4-5.5 kW, Heating capacity (nom): 4.5-6 kW.	3.500,00	250,00
25.490.2605	Cooling capacity (nom): 5.5-7.5 kW, Heating capacity (nom): 6-8 kW.	3.730,00	250,00
<b>25.490.2700</b>	<b>Non-cabinet/Hidden Floor-type Interior Unit without</b> Installation and delivery in working order of floor-mounted interior units without cabinets		
25.490.2701	Cooling capacity (nom): 2.2-2.8 kW, Heating capacity (nom): 2.5-3 kW	3.010,00	250,00
25.490.2702	Cooling capacity (nom): 2.8-3 kW, Heating capacity (nom): 3.0-3.5 kW	3.200,00	250,00
25.490.2703	Cooling capacity (nom): 3-4 kW, Heating capacity (nom): 3.5-4.5 kW.	3.630,00	250,00
25.490.2704	Cooling capacity (nom): 4-5.5 kW, Heating capacity (nom): 4.5-6 kW.	3.740,00	250,00
25.490.2705	Cooling capacity (nom): 5.5-7 kW, Heating capacity (nom): 6-8 kW.	3.930,00	250,00
<b>25.490.5100</b>	<b>REMOTE CONTROLLERS FOR AIR CONDITIONING SYSTEM WITH VARIABLE COOLANT FLOW RATE AND MULTIPLE INTERNAL UNITS (UNIT: QTY.)</b>		
<b>25.490.5101</b>	<b>Wired Remote Control</b> Supply, installation and delivery in working order of a control device that controls all functions of the interior unit by a cable connected to it.	394,00	20,30
25.490.5102	<b>Wireless Remote Control and Sensor</b> Supply, installation and delivery in working order of a control device with a sensor, which controls all functions of the interior unit without a cable connection.	509,00	20,40

### Ventilation and Air Conditioning Installations

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.490.5200</b>	<p><b>CENTRAL CONTROLLERS FOR AIR CONDITIONING SYSTEM WITH VARIABLE COOLANT FLOW RATE AND MULTIPLE INTERNAL UNITS (UNIT: QTY.)</b></p> <p>The central controller device which can control all internal units of the systems with internal units and can be connected by a cable to the system communication signal line of the central controller system, control all individual functions of all internal units, have a timer programmer, restrict the use of the internal units on the system and be equipped with a liquid crystal display that provides information about the system failures. Connection and delivery in working order of the central controller.</p>		
25.490.5201	Up to 50 internal units	5.820,00	412,00
25.490.5202	Up to 100 internal units	8.710,00	412,00
<b>25.490.8100</b>	<p><b>COPPER PIPING SYSTEM FOR AIR CONDITIONING SYSTEM WITH VARIABLE COOLANT FLOW RATE AND MULTIPLE INTERNAL UNITS (Unit: Qty.: m)</b></p> <p>Made of copper pipes manufactured as per TS EN 12449 with the ends of the pipes inspected against moisture and dust, welding shall be performed with silver-copper alloy under N2 (Nitrogen) to avoid oxidation. Carrier clamps at 1-meter intervals shall be used in the piping. Interior of the pipes shall be cleaned with N2 (Nitrogen) gas before the copper piping is completed and the system is commissioned. - Copper pipe installation shall be raised gradually to 41.5 bar pressure with N2 (Nitrogen) gas after installation and tested for at least 24 hours under this pressure. Installation of piping, testing and commissioning with fasteners as insulated with rubber or elastomeric rubber with minimum thickness values specified below, for use with the piping of Air Conditioning Systems with Variable Coolant Flow Rate.</p>		
25.490.8101	Copper Pipe Group 1/4" 0.8 mm (13 mm Insulation)	38,60	4,90
25.490.8102	Copper Pipe Group 3/8" 0.8 mm (13 mm Insulation)	47,00	5,40
25.490.8103	Copper Pipe Group 1/2" 0.8 mm (13 mm Insulation)	61,00	5,40
25.490.8104	Copper Pipe Group 5/8" 1.0 mm (13 mm Insulation)	72,50	5,40
25.490.8105	Copper Pipe Group 3/4" 1.0 mm (13 mm Insulation)	96,50	8,45
25.490.8106	Copper Pipe Group 7/8" 1.0 mm (13 mm Insulation)	122,00	8,45
25.490.8107	Copper Pipe Group 1" 1.2 mm (13 mm Insulation)	137,00	8,45
25.490.8108	Copper Pipe Group 1 1/8" 1.2 mm (19 mm Insulation)	167,00	12,00
25.490.8109	Copper Pipe Group 3/8" 1.5 mm (19 mm Insulation)	208,00	12,00
25.490.8110	Copper Pipe Group 1 5/8" 1.5 mm (19 mm Insulation)	261,00	12,00
<b>25.490.8200</b>	<p><b>Joints (Unit: set)</b></p> <p>Installation of joints on the (dual) piping system for use on liquid and gas lines, taking line load as basis.</p>		
25.490.8201	Up to 25 kW	256,00	53,00
25.490.8202	25 to 50 kW	324,00	60,00
25.490.8203	50 to 100 kW	452,00	77,50
25.490.8204	Over 100 kW	665,00	84,50
25.490.8300	<p><b>Distribution (header) elements (Unit: set)</b></p> <p>Installation of distribution (header) elements on the piping system for use on liquid and gas lines (dual).</p>	1.150,00	84,50
<b>25.495.0000</b>	<p><b>MODULAR TYPE COOLING GROUPS (Unit: Qty. Materials on construction site: 60%)</b></p>		
<b>25.495.0010</b>	<b>Air-cooled water cooling groups</b>		



### Ventilation and Air Conditioning Installations

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.495.1000</b>	<b>Cooling group with scroll compressor and air cooling</b> Operating with R 134a or 410 A coolant gases, bearing the CE compliance marking, (shell and tube) or plate exchanger, with a microprocessor control panel, and with capacities for an operation at 35°C with 7°C to 12°C water. To be tested for efficiency and capacity by national or international testing organizations, and the requested efficiency value certified. Cooling groups above 130 kW shall be equipped with min. 2 circuits and 2 compressors. Delivery of the cooling group in working order at work site (The values between the main capacities shall be interpolated).		
<b>25.495.1100</b>	<b>Cooling group with scroll compressor and air cooling (A)</b> The devices should have min. 3.1 (EER) cooling activity coefficient including the evaporator fan powers.		
25.495.1101	5 kW	35.400,00	825,00
25.495.1102	7.5 kW	39.250,00	914,00
25.495.1103	10 kW	45.210,00	1.030,00
25.495.1104	15 kW	55.440,00	1.260,00
25.495.1105	20 kW	65.100,00	1.540,00
25.495.1106	30 kW	77.800,00	2.190,00
25.495.1107	40 kW	89.300,00	2.690,00
25.495.1108	60 kW	111.800,00	3.230,00
25.495.1109	80 kW	134.100,00	3.530,00
25.495.1110	100 kW	160.400,00	4.270,00
25.495.1111	120 kW	179.300,00	4.750,00
25.495.1112	150 kW	200.900,00	5.620,00
25.495.1113	200 kW	272.000,00	7.720,00
25.495.1114	250 kW	304.200,00	8.590,00
25.495.1115	300 kW	345.600,00	9.630,00
25.495.1116	350 kW	373.900,00	10.760,00
25.495.1117	400 kW	421.000,00	12.150,00
25.495.1118	450 kW	470.600,00	13.250,00
<b>25.495.1200</b>	<b>Cooling group with scroll compressor and air cooling (B)</b> The devices should have min. 2.9 (EER) cooling activity coefficient including the evaporator fan powers.		
25.495.1201	5 kW	34.730,00	825,00
25.495.1202	7.5 kW	38.820,00	914,00
25.495.1203	10 kW	43.560,00	1.030,00
25.495.1204	15 kW	53.780,00	1.260,00
25.495.1205	20 kW	62.290,00	1.540,00
25.495.1206	30 kW	76.310,00	2.190,00
25.495.1207	40 kW	88.000,00	2.690,00
25.495.1208	60 kW	108.800,00	3.230,00
25.495.1209	80 kW	132.000,00	3.530,00
25.495.1210	100 kW	150.800,00	4.270,00
25.495.1211	120 kW	172.000,00	4.750,00
25.495.1212	150 kW	197.000,00	5.620,00

**Ventilation and Air Conditioning Installations**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.495.1213	200 kW	266.700,00	7.720,00
25.495.1214	250 kW	303.200,00	8.590,00
25.495.1215	300 kW	330.600,00	9.630,00
25.495.1216	350 kW	368.500,00	10.760,00
25.495.1217	400 kW	416.100,00	12.150,00
25.495.1218	450 kW	462.500,00	13.250,00
<b>25.495.1300</b>	<b>Cooling group with scroll compressor and air cooling ( C )</b> The devices should have min. 2.7 (EER) cooling activity coefficient including the evaporator fan powers.		
25.495.1301	5 kW	33.290,00	825,00
25.495.1302	7.5 kW	37.510,00	914,00
25.495.1303	10 kW	43.260,00	1.030,00
25.495.1304	15 kW	50.000,00	1.260,00
25.495.1305	20 kW	60.900,00	1.540,00
25.495.1306	30 kW	75.240,00	2.190,00
25.495.1307	40 kW	84.730,00	2.690,00
25.495.1308	60 kW	102.700,00	3.230,00
25.495.1309	80 kW	130.600,00	3.530,00
25.495.1310	100 kW	145.100,00	4.270,00
25.495.1311	120 kW	169.000,00	4.750,00
25.495.1312	150 kW	190.800,00	5.620,00
25.495.1313	200 kW	260.300,00	7.720,00
25.495.1314	250 kW	289.400,00	8.590,00
25.495.1315	300 kW	316.300,00	9.630,00
25.495.1316	350 kW	364.600,00	10.760,00
25.495.1317	400 kW	407.800,00	12.150,00
25.495.1318	450 kW	448.500,00	13.250,00
<b>25.495.2000</b>	<b>Cooling group with screw compressor and air cooling</b> Operating with R 134a or 410 A coolant gases, bearing the CE compliance marking, (shell and tube) exchanger, with a microprocessor control panel, and with capacities for an operation at 35°C with 7°C to 12°C water. To be tested for efficiency and capacity by national or international testing organizations, and the requested efficiency value certified. The cooling groups shall have min. circuits and 2 compressors. Delivery of the cooling group in working order at work site (The values between the main capacities shall be interpolated).		
<b>25.495.2100</b>	<b>Cooling group with screw compressor and air cooling (A)</b> The devices should have min. 3.1 (EER) cooling activity coefficient including the evaporator fan powers.		
25.495.2101	200 kW	341.300,00	9.480,00
25.495.2102	250 kW	360.500,00	10.490,00
25.495.2103	300 kW	405.600,00	11.810,00
25.495.2104	350 kW	450.200,00	12.350,00
25.495.2105	400 kW	481.600,00	13.970,00
25.495.2106	450 kW	526.000,00	13.970,00
25.495.2107	500 kW	568.400,00	16.160,00

**Ventilation and Air Conditioning Installations**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.495.2108	550 kW	590.600,00	16.820,00
25.495.2109	600 kW	611.900,00	18.120,00
25.495.2110	700 kW	722.200,00	19.630,00
25.495.2111	800 kW	750.600,00	22.140,00
25.495.2112	900 kW	813.600,00	23.620,00
25.495.2113	1000 kW	881.300,00	25.300,00
25.495.2114	1100 kW	944.700,00	27.940,00
25.495.2115	1200 kW	1.020.000,00	29.670,00
25.495.2116	1300 kW	1.058.500,00	31.390,00
25.495.2117	1400 kW	1.150.600,00	34.250,00
25.495.2118	1500 kW	1.276.200,00	36.030,00
25.495.2119	1600 kW	1.386.900,00	37.920,00
25.495.2120	1700 kW	1.529.100,00	42.880,00
<b>25.495.2200</b>	<b>Cooling group with screw compressor and air cooling (B)</b> The devices should have min. 2.9 (EER) cooling activity coefficient including the evaporator fan powers.		
25.495.2201	200 kW	269.700,00	9.480,00
25.495.2202	250 kW	307.100,00	10.490,00
25.495.2203	300 kW	359.400,00	11.810,00
25.495.2204	350 kW	384.300,00	12.350,00
25.495.2205	400 kW	423.400,00	13.970,00
25.495.2206	450 kW	472.400,00	13.970,00
25.495.2207	500 kW	497.100,00	16.160,00
25.495.2208	550 kW	524.100,00	16.820,00
25.495.2209	600 kW	591.800,00	18.120,00
25.495.2210	700 kW	644.200,00	19.630,00
25.495.2211	800 kW	704.100,00	22.140,00
25.495.2212	900 kW	757.800,00	23.620,00
25.495.2213	1000 kW	848.800,00	25.300,00
25.495.2214	1100 kW	915.900,00	27.940,00
25.495.2215	1200 kW	981.600,00	29.670,00
25.495.2216	1300 kW	1.014.100,00	31.390,00
25.495.2217	1400 kW	1.125.000,00	34.250,00
25.495.2218	1500 kW	1.255.300,00	36.030,00
25.495.2219	1600 kW	1.324.300,00	37.920,00
25.495.2220	1700 kW	1.444.700,00	42.880,00
<b>25.495.3000</b>	<b>Cooling group with screw compressor and water cooling</b> Delivery in working order at work site of a Cooling group operating with R 134 A coolant gases, bearing the CE compliance marking, with screw compressor, shall and tube exchanger and microprocessor control panel. To be tested for efficiency and capacity by national or international testing organizations, and the requested efficiency value certified. The values between main capacities shall be interpolated, and the devices shall be equipped to avoid sudden start. The values at operation with water at a tower temperature of 30°C to 35°C and a user circuit of 7°C to 12°C shall be taken as basis for capacities.		

### Ventilation and Air Conditioning Installations

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.495.3100</b>	<b>Cooling group with screw compressor and water cooling</b> The device should have a cooling activity coefficient of min. 5,05 (EER).		
25.495.3101	300 kW	381.100,00	11.810,00
25.495.3102	350 kW	387.600,00	12.350,00
25.495.3103	400 kW	407.800,00	13.970,00
25.495.3104	450 kW	432.800,00	13.970,00
25.495.3105	500 kW	480.000,00	16.160,00
25.495.3106	550 kW	494.000,00	16.820,00
25.495.3107	600 kW	612.000,00	18.120,00
25.495.3108	700 kW	632.300,00	19.630,00
25.495.3109	800 kW	669.700,00	22.140,00
25.495.3110	900 kW	845.500,00	23.620,00
25.495.3111	1000 kW	879.800,00	25.300,00
25.495.3112	1100 kW	900.000,00	27.940,00
25.495.3113	1200 kW	923.500,00	29.670,00
25.495.3114	1300 kW	1.013.300,00	31.390,00
25.495.3115	1400 kW	1.106.300,00	34.250,00
25.495.3116	1500 kW	1.177.000,00	36.030,00
<b>25.495.3200</b>	<b>Cooling group with screw compressor and water cooling</b> The device should have a cooling activity coefficient of min. 4.65 (EER).		
25.495.3201	300 kW	342.700,00	11.810,00
25.495.3202	350 kW	349.600,00	12.350,00
25.495.3203	400 kW	368.600,00	13.970,00
25.495.3204	450 kW	404.500,00	13.970,00
25.495.3205	500 kW	436.300,00	16.160,00
25.495.3206	550 kW	448.900,00	16.820,00
25.495.3207	600 kW	580.500,00	18.120,00
25.495.3208	700 kW	599.200,00	19.630,00
25.495.3209	800 kW	634.700,00	22.140,00
25.495.3210	900 kW	767.700,00	23.620,00
25.495.3211	1000 kW	798.800,00	25.300,00
25.495.3212	1100 kW	841.100,00	27.940,00
25.495.3213	1200 kW	898.400,00	29.670,00
25.495.3214	1300 kW	985.500,00	31.390,00
25.495.3215	1400 kW	1.046.200,00	34.250,00
25.495.3216	1500 kW	1.084.100,00	36.030,00

### Ventilation and Air Conditioning Installations

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.500.0000</b>	<p><b>HEAT PUMPS (Unit: Qty.)</b>                      Delivery in working order with, coolant gas pumped to the system, of heat pumps operating with R407, R410A, R134A, R32 gases, compliant with the performance standard of EN 14511 for heating and cooling, ERP-ECO DESIGN criteria and marked for compliance with the relevant standards; equipped with a water/gas heat exchanger with stainless steel plate, a 4-way valve in the coolant fluid circuit within the device, heating and cooling modes, anti-vibration elements and a control panel. Exterior temperature of 7°C for heating, 35°C for cooling for air source heat pumps; the source-circulating water temperature of 10°C for heating and 30°C for cooling for ground and water source heat pumps; and a user side water outlet temperature of 35°C for heating and 7°C for cooling shall be considered baseline for capacity calculation. If the interior and exterior units of the devices are separate, installation of copper pipes shall be charged per the relevant unit price. Other values shall be interpolated.</p>		
<b>25.500.1100</b>	<p><b>Air Source Heat Pumps</b>                      Supply, installation, and delivery in working order and in compliance with the relevant project design, with heating and cooling capacities of min. COP: 3.70 and EER 2.70 as determined by the ERP-ECO DESIGN and/or relevant standards for air sourced devices.                      *Condenser fans of the device shall be with variable speed.</p>		
25.500.1101	8 kW Heating Capacity, 6.5 kW Cooling Capacity	24.400,00	665,00
25.500.1102	12 kW Heating Capacity, 9 kW Cooling Capacity	29.660,00	727,00
25.500.1103	16 kW Heating Capacity, 13 kW Cooling Capacity	34.730,00	833,00
25.500.1104	24 kW Heating Capacity, 18 kW Cooling Capacity	39.790,00	930,00
25.500.1105	34 kW Heating Capacity, 28 kW Cooling Capacity	58.450,00	2.000,00
25.500.1106	50 kW Heating Capacity, 40 kW Cooling Capacity	75.620,00	2.550,00
25.500.1107	75 kW Heating Capacity, 60 kW Cooling Capacity	93.610,00	3.040,00
25.500.1108	100 kW Heating Capacity, 80 kW Cooling Capacity	106.100,00	3.690,00
25.500.1109	120 kW Heating Capacity, 96 kW Cooling Capacity	125.300,00	4.410,00
25.500.1110	170 kW Heating Capacity, 135 kW Cooling Capacity	159.600,00	6.050,00
25.500.1111	260 kW Heating Capacity, 200 kW Cooling Capacity	257.300,00	7.300,00
25.500.1112	340 kW Heating Capacity, 270 kW Cooling Capacity	298.000,00	8.580,00
25.500.1113	430 kW Heating Capacity, 320 kW Cooling Capacity	366.800,00	9.390,00
25.500.1114	520 kW Heating Capacity, 410 kW Cooling Capacity	425.200,00	10.770,00
25.500.1115	700 kW Heating Capacity, 560 kW Cooling Capacity	558.500,00	12.580,00
25.500.1116	920 kW Heating Capacity, 740 kW Cooling Capacity	741.500,00	16.830,00
<b>25.500.2100</b>	<p><b>Water/Ground Source Heat Pumps</b>                      Supply, installation, and delivery in working order and in compliance with the relevant project design, with heating and cooling capacities of min. COP: 4.80 and EER 4.00 as determined by the ERP-ECO DESIGN and/or relevant standards for water and ground sourced devices.</p>		
25.500.2101	6 kW Heating Capacity, 6 kW Cooling Capacity	20.770,00	665,00
25.500.2102	8 kW Heating Capacity, 8 kW Cooling Capacity	24.460,00	709,00
25.500.2103	12 kW Heating Capacity, 12 kW Cooling Capacity	26.310,00	727,00
25.500.2104	17 kW Heating Capacity, 14 kW Cooling Capacity	30.420,00	762,00
25.500.2105	22 kW Heating Capacity, 17 kW Cooling Capacity	37.550,00	868,00
25.500.2106	28 kW Heating Capacity, 22 kW Cooling Capacity	42.440,00	1.110,00

**Ventilation and Air Conditioning Installations**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.500.2107	34 kW Heating Capacity, 28 kW Cooling Capacity	61.080,00	2.040,00
25.500.2108	60 kW Heating Capacity, 48 kW Cooling Capacity	75.130,00	2.620,00
25.500.2109	80 kW Heating Capacity, 64 kW Cooling Capacity	93.950,00	3.170,00
25.500.2110	100 kW Heating Capacity, 80 kW Cooling Capacity	106.000,00	3.770,00
25.500.2111	120 kW Heating Capacity, 96 kW Cooling Capacity	126.400,00	4.520,00
25.500.2112	160 kW Heating Capacity, 130 kW Cooling Capacity	171.500,00	6.140,00
25.500.2113	230 kW Heating Capacity, 184 kW Cooling Capacity	193.500,00	7.410,00
25.500.2114	350 kW Heating Capacity, 270 kW Cooling Capacity	263.700,00	8.750,00
25.500.2115	460 kW Heating Capacity, 340 kW Cooling Capacity	319.300,00	9.390,00
25.500.2116	570 kW Heating Capacity, 420 kW Cooling Capacity	416.000,00	11.610,00
25.500.2117	700 kW Heating Capacity, 560 kW Cooling Capacity	485.000,00	13.170,00
25.500.2118	920 kW Heating Capacity, 740 kW Cooling Capacity	589.000,00	16.120,00
<b>25.505.1000</b>	<b>COOLING TOWERS (Unit: Qty.)</b>		
<b>25.505.1100</b>	<b>OPEN TYPE COOLING TOWERS (Unit: Qty.)</b> Supply to the work site and installation, including water level control system, tower pond and filtration system, of flanged towers in compliance with the approved project, with the tower pond and housing made of min. AISI 304 stainless steel or CTP (Glass Fiber-Reinforced Polyester) or galvanized steel sheet with 600 g/m <sup>2</sup> zinc content, variable fan speeds, min. IP 55 protection class, easily detachable PVC drift eliminators, PVC or polypropylene filling, and with water spray system made of PVC flanges which can be fully removed and cleaned (Capacities for 30°C output and 35°C input temperature are taken as reference at 25°C wet-bulb temperature).		
<b>25.505.1101</b>	<b>Open-type Water Cooling Towers with Axial Fans</b>		
25.505.1102	300 kW	24.170,00	722,00
25.505.1103	350 kW	27.810,00	722,00
25.505.1104	450 kW	31.380,00	794,00
25.505.1105	550 kW	36.710,00	794,00
25.505.1106	650 kW	43.650,00	830,00
25.505.1107	750 kW	48.290,00	866,00
25.505.1108	850 kW	55.340,00	866,00
25.505.1109	1000 kW	61.200,00	938,00
25.505.1110	1150 kW	67.560,00	938,00
25.505.1111	1300 kW	75.270,00	1.010,00
25.505.1112	1450 kW	77.420,00	1.230,00
25.505.1113	1600 kW	91.150,00	1.380,00
25.505.1114	1750 kW	97.160,00	1.450,00
25.505.1115	1900 kW	98.860,00	1.600,00
25.505.1116	2000 kW	108.900,00	1.740,00
<b>25.505.1200</b>	<b>Open-type Water Cooling Towers with Radial Fans</b>		
25.505.1201	300 kW	34.190,00	722,00
25.505.1202	350 kW	37.990,00	722,00
25.505.1203	450 kW	44.000,00	794,00
25.505.1204	550 kW	47.090,00	794,00
25.505.1205	650 kW	56.090,00	830,00
25.505.1206	750 kW	63.300,00	866,00

**Ventilation and Air Conditioning Installations**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.505.1207	850 kW	74.210,00	866,00
25.505.1208	1000 kW	81.400,00	938,00
25.505.1209	1150 kW	89.710,00	938,00
25.505.1210	1300 kW	100.400,00	1.010,00
25.505.1211	1450 kW	105.000,00	1.230,00
25.505.1212	1600 kW	117.100,00	1.380,00
25.505.1213	1750 kW	122.400,00	1.450,00
25.505.1214	1900 kW	131.600,00	1.600,00
25.505.1215	2000 kW	137.100,00	1.740,00
<b>25.505.2000</b>	<b>CLOSED TYPE COOLING TOWERS (Unit: Qty.)</b> Supply to the work site and installation, including water level control system, tower pond and filtration system, of towers in compliance with the approved project, with the tower pond and housing made of min. AISI 304 stainless steel or CTP (Glass Fiber-Reinforced Polyester) or galvanized steel sheet with 600 g/m <sup>2</sup> zinc content, variable fan speeds, min. IP 55 protection class, PVC or polypropylene drift eliminators, easily detachable filling materials, and water spraying system made of PVC flanges which can be fully removed and cleaned. Tower serpentine shall be made of steel-drawn SRM (Steel Relief Annealed) pipes, and subject to deep hot-dip galvanization after production. Should be subjected to a hydraulic test pressure 1.5 times the operating pressure before and after the galvanized coating process. Maximum water side pressure loss of the serpentines should be 60 kPa (The capacities of 30°C output and 35°C input temperatures at 25°C wet-bulb temperature were taken as reference.)		
<b>25.505.2100</b>	<b>Closed-type Water Cooling Towers with Axial Fans</b>		
25.505.2101	300 kW	129.400,00	722,00
25.505.2102	350 kW	136.800,00	722,00
25.505.2103	450 kW	171.600,00	794,00
25.505.2104	550 kW	191.800,00	794,00
25.505.2105	650 kW	222.800,00	830,00
25.505.2106	750 kW	254.100,00	866,00
25.505.2107	850 kW	284.700,00	866,00
25.505.2108	1000 kW	324.800,00	938,00
25.505.2109	1150 kW	379.700,00	938,00
25.505.2110	1300 kW	441.600,00	1.010,00
25.505.2111	1450 kW	496.300,00	1.230,00
25.505.2112	1600 kW	535.300,00	1.380,00
25.505.2113	1750 kW	559.600,00	1.450,00
25.505.2114	1900 kW	660.400,00	1.600,00
25.505.2115	2000 kW	691.500,00	1.740,00
<b>25.505.2200</b>	<b>Closed-type Water Cooling Towers with Radial Fans</b>		
25.505.2201	300 kW	135.800,00	722,00
25.505.2202	350 kW	143.600,00	722,00
25.505.2203	450 kW	180.100,00	794,00
25.505.2204	550 kW	201.400,00	794,00
25.505.2205	650 kW	233.900,00	830,00
25.505.2206	750 kW	266.700,00	866,00

### Ventilation and Air Conditioning Installations

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.505.2207	850 kW	298.800,00	866,00
25.505.2208	1000 kW	340.900,00	938,00
25.505.2209	1150 kW	398.700,00	938,00
25.505.2210	1300 kW	463.500,00	1.010,00
25.505.2211	1450 kW	521.000,00	1.230,00
25.505.2212	1600 kW	562.000,00	1.380,00
25.505.2213	1750 kW	587.500,00	1.450,00
25.505.2214	1900 kW	693.400,00	1.600,00
25.505.2215	2000 kW	726.000,00	1.740,00





**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**AUTOMATIC CONTROL SYSTEM  
UNIT PRICES AND DEFINITIONS**

**2019**

**Automatic Control System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.550.1000</b>	<b>TWO-POSITION ELECTRIC THERMOSTATS: (Unit: Qty.)</b> Two-position electric thermostats that are released to the market in accordance with TS EN 60730-2-7/AC, 2014/35/EU Low Voltage Directive (LVD), and 2004/108/EC Electromagnetic Compatibility Directive and with the CE compliance marking.		
<b>25.550.1100</b>	<b>Two-Position Electric Location Thermostat;</b> Supplying on site, installation to its place, making electrical connections and delivery in working condition of the two-position electric location thermostat with miscellaneous partitions that can be mounted on the wall, with temperature adjustment buttons, that switches on/off the ignition within the adjusted room temperature value.		
25.550.1101	Mechanical Location Thermostat	160,00	15,70
25.550.1102	Digital Location Thermostat	255,00	15,70
25.550.1103	Digital Communication Location Thermostat	507,00	15,70
25.550.1200	<b>Two-Position Electric Duct Thermostat;</b> Supplying on site, installation to its place, making electrical connections and delivery in working condition of the two-position electric channel thermostat that can be mounted on the exterior of the air duct, that is connected to the temperature monitor element with a capillary tube, miscellaneous partitions, temperature adjustment buttons, and a difference range adjustment button that switches on/off the ignition within the adjusted duct temperature value.	687,00	15,70
<b>25.550.1201</b>	<b>Two-Position Electric Submersion Thermostat;</b> Supplying on site, installation together with the cartridge to its place, making electrical connections and delivery in working condition of the two-position electric submersion thermostat that can submersed in the temperature monitoring element boiler, pipe or in any medium filled with liquid, miscellaneous partitions, temperature adjustment buttons, difference range adjustment button that switches on/off the ignition within the adjusted liquid temperature value.		
25.550.1202	Submersion thermostats that can be used up to 120 C	313,00	15,70
25.550.1203	Submersion thermostats that can be used at 120 C and above	329,00	15,70
25.550.1300	<b>Two-Position Electric Surface Thermostat;</b> Supplying on site, installation to its place, making electrical connections and delivery in working condition of the two-position electric surface thermostat that can be submersed pipe or in any medium that comes into contact tightly with the surface, with miscellaneous partitions, difference range adjustment button that switches on/off the ignition within the adjusted temperature value.	334,00	15,70
<b>25.550.2000</b>	<b>PROPORTIONAL ELECTRIC THERMOSTATS: (Unit: Qty.)</b>		
25.550.2001	<b>Proportional Electric Location Thermostat;</b> Supplying, installation to its place, making electrical connections and delivery in working condition of the two-position electric room thermostat with miscellaneous partitions that can be mounted on the wall, with temperature adjustment buttons, that can change the resistance value of the potentiometer in proportionate with the temperature change within the adjusted room temperature value.	809,00	15,70
25.550.2002	<b>Proportional Electric Duct Thermostat;</b> Supplying, installation to its place, making electrical connections and delivery in working condition of the two-position electric duct thermostat with miscellaneous partitions that can be mounted outside the air duct, that is connected to a temperature monitor element with a capillary tube, temperature adjustment buttons, that can change the resistance value of the potentiometer in proportionate with the temperature change within the adjusted room temperature value.	868,00	15,70

**Automatic Control System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.550.2003	<b>Proportional Electric Submersion Thermostat;</b> Supplying, installation to its place, making electrical connections and delivery in working condition of the two-position electric submersion thermostat together with its cartridge with miscellaneous partitions that the temperature monitoring element can be submersed in the boiler, pipe or any medium filled with liquid, that is connected to a temperature monitor element with a capillary tube, with temperature adjustment buttons, that can change the resistance value of the potentiometer in proportionate with the temperature change within the adjusted liquid temperature value.	1.240,00	15,70
<b>25.550.2100</b>	<b>Additions to Two-Position and Proportional Thermostats (Unit: Qty.)</b> In addition to the characteristics specified in the general description of electric thermostats, the elements added in the thermostat as a requirement of the place of use.		
25.550.2101	Manual correction addition (manual reset)	91,50	7,85
<b>25.550.3000</b>	<b>TWO-POSITION HYGROSTATS: (Unit: Qty.)</b>		
25.550.3001	<b>Two-Position Location Hygrostat;</b> Supplying on site, installation to its place, making electrical connections and delivery in working condition of the two-position electric hygrostat with 80% RH relative humidity partitions that can be mounted on the wall, with humidity adjustment buttons, that switches on/off the ignition within the adjusted room relative humidity value.	373,00	15,70
25.550.3002	<b>Two-Position Air Duct Hygrostat;</b> Supplying on site, installation to its place, making electrical connections and delivery in working condition of the two-position electric hygrostat with 80% RH relative humidity partitions that can be mounted inside the humidity monitoring duct, body outside the duct, with humidity adjustment buttons, that switches on/off the ignition within the adjusted duct relative humidity value.	373,00	15,70
<b>25.550.4000</b>	<b>PRESSURESTATS (Pressure Switch): (Unit: Qty)</b>		
<b>25.550.4100</b>	<b>Two-Position Pressurestat;</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of the two-position electric pressurestat that can be mounted on the boiler, exchanger, pipe or any other pressurized container, that has miscellaneous partitioned pressure adjustment buttons including fluid and pressure values of the project, that switches on/off the contact within the adjusted pressure value.		
25.550.4101	Two-position pressurestat (for air)	276,00	15,70
25.550.4102	Two-Position Pressurestat (for liquids)	289,00	15,70
<b>25.550.5000</b>	<b>DIFFERENTIAL PRESSURE PRESSURESTATS: (Unit: Qty.)</b>		
<b>25.550.5100</b>	<b>Two-Position Differential Pressurestat;</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of the two positioned differential pressurestat that can be connected on two different ambients, with miscellaneous partitions, with differential pressure adjustments button, that can switch on and off the built-in ignition in case the difference between two pressures reaches the adjusted pressure value.		
25.550.5101	Two positioned differential pressurestat (for air)	148,00	15,70
25.550.5102	Two positioned differential pressurestat (for liquids)	427,00	15,70

**Automatic Control System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.552.1100</b>	<b>ELECTRONIC SENSING ELEMENTS (Sensors): (Unit: Qty.)</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of every type temperature sensing element together with all parts including cover, immersion tubes and bushes that are named based on area of use and installation type, with changing resistance depending on the temperature change in the location of monitoring element, without temperature adjustment button.		
25.552.1101	Location type electronic temperature sensing element	163,00	15,70
25.552.1102	Air duct type temperature sensing element	194,00	15,70
25.552.1103	Immersion type electronic temperature sensing element, up to 120°C	215,00	15,70
25.552.1104	Immersion type electronic temperature sensing element, above 120°C	198,00	15,70
25.552.1105	Outside air type temperature sensing element	139,00	15,70
25.552.1106	Surface type temperature sensing element	175,00	15,70
<b>25.552.1200</b>	<b>Electronic Relative Humidity Sensing Elements;</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of every type electronic relative humidity sensing element together with parts including cover etc. that are named based on area of use and installation types, with changing resistance depending on the relative humidity change in the location of monitoring element, without temperature adjustment button.		
25.552.1201	Room type electronic relative humidity sensing element	449,00	15,70
25.552.1202	Duct type electronic relative humidity sensing element	536,00	15,70
<b>25.552.1300</b>	<b>Electronic Temperature and Moisture Sensing Elements (Sensors); (Unit: Qty.)</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of temperature sensing element together with all parts including cover, immersion tubes and bushes that are named based on area of use and installation type, with changing resistance depending on the temperature and moisture change in the location of monitoring element.		
25.552.1301	Location type electronic temperature moisture sensing element	848,00	15,70
25.552.1302	Duct type electronic temperature moisture sensing element	873,00	15,70
25.552.1303	Outside air type temperature moisture sensing element	1.430,00	15,70
<b>25.552.1400</b>	<b>Electronic Pressure Sensing Elements;</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of small parts including cover etc. that are named based on area of use and installation types, with changing resistance depending on the relative humidity change in the location of monitoring element.		
25.552.1401	Pressure sensing element for air	709,00	15,70
25.552.1402	Pressure sensing element for the liquids	990,00	15,70
25.552.1403	Pressure sensing element for vapor	1.110,00	15,70
<b>25.552.1500</b>	<b>Electronic Differential Pressure Sensing Elements;</b> Installation to the place, making electrical connections and delivery in working condition of the sensing element that have different pressures with two pressure connection locations, and that can be connected with two different media, that can handle differential pressure adjustment.		
25.552.1501	Differential pressure sensing element for air	629,00	15,70
25.552.1502	Differential pressure sensing element for the liquids	1.790,00	15,70
25.552.1503	Differential pressure sensing element for vapor	1.700,00	15,70

**Automatic Control System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.552.1600</b>	<b>Air Sensors;</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of small parts including cover etc. that are named based on area of use and installation types, with changing output signal depending on the air quality in the location of monitoring element.		
25.552.1601	Carbon Dioxide (CO <sub>2</sub> ) Sensor	1.450,00	15,70
25.552.1602	Carbon Monoxide (CO) Sensor	1.970,00	15,70
25.552.1603	Air Quality (VOC) Sensor	1.530,00	15,70
<b>25.552.2000</b>	<b>Differences for Additions to Electronic Sensing Elements: (Unit: Qty.)</b>		
25.552.2001	Addition of adjustment knob for location type temperature and air type pressure sensors	214,00	15,70
25.552.2002	Addition of indicator for location type temperature and air type pressure sensors	245,00	15,70
<b>25.555.1000</b>	<b>ELECTRONIC HOT WATER (BOILER) CONTROL PANEL: (Unit: Qty.)</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of electronic hot water control panel together with digital indicator that receives warning from the outside air inflow water or electronic temperature sensing elements in the boiler, that controls boiler or motorized valve or pump in order to adjust inflow water or boiler water temperature depending on the outside water temperature within a predefined program, that has the necessary buttons and potentiometers in order to determine the program, that can program daily (24-hour) and weekly, that has summer-winter access function, that ensures operation without electricity cut.		
25.555.1001	Two-position electronic hot water control panel	1.740,00	48,10
25.555.1002	Proportionally controlled electronic hot water control panel	1.920,00	48,10
<b>25.555.2000</b>	<b>ELECTRONIC CONTROL PANEL: (Unit: Qty.)</b>		
<b>25.555.2100</b>	<b>Pre-Programmed Air Conditioning Control Panel; (Unit: Qty.)</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of the electronic control panel with digital indicator that keeps the adjusted value by controlling with the warnings received from the electronic sensing elements, that can be installed to the enclosure or wall.		
25.555.2101	Air conditioning control panel with 1 control loop	2.070,00	48,10
25.555.2102	Air conditioning control panel with 2 control loops	2.490,00	48,10
25.555.2103	Air conditioning control panel with 3 control loops	3.000,00	48,10
25.555.2104	Air conditioning control panel with 4 control loops	3.540,00	48,10
<b>25.555.3000</b>	<b>Differences to be Paid for Additions in Electronic Temperature Control Panel: (Unit: Qty.)</b> Additions that are requested to be available on the electronic temperature control panel due to the requirement of the area of use other than the specifications stated in the relevant definitions of the above item 25.555.2100.		
25.555.3001	Addition of remote set-point replacement unit	215,00	8,10

**Automatic Control System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.560.1000</b>	<b>SERVOMOTORS: (TSE quality certificate) (Unit: Qty.)</b>		
<b>25.560.1100</b>	<b>Two-Position (switch on/off) servomotor;</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of the two positioned servomotor with miscellaneous rotation duration that fully switches on or off the valves or dampers with the warnings received from the two positioned thermostat, hygrostat, pressurestat or electronic control panel, that has limited rotation with a specific angle.		
25.560.1101	For valves with DN 10 to DN 20 diameters	852,00	15,70
25.560.1102	For valves with DN 25 to DN 40 diameters	956,00	16,50
25.560.1103	For valves with DN 50 to DN 65 diameters	1.140,00	17,80
25.560.1104	For valves with DN 80 to DN 125 diameters	1.900,00	19,00
25.560.1105	For valves with DN 150 and larger diameters	2.260,00	20,30
25.560.1106	For dampers with an area of 0.4 m <sup>2</sup> and less	610,00	15,70
25.560.1107	For dampers with an area of 0.4 - 1.0 m <sup>2</sup>	654,00	16,50
25.560.1108	For dampers with an area of 1.0 - 2.0 m <sup>2</sup>	779,00	17,80
25.560.1109	For dampers with an area of 2.0 - 4.0 m <sup>2</sup>	997,00	19,00
<b>25.560.1200</b>	<b>Proportional Servomotors;</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of the electromechanical servomotor together with all equipment pieces that locates the connected valve or damper with linear or rotary movement proportionally with the proportional warning (signal) received from the relevant control device.		
25.560.1201	For valves with DN 10 to DN 20 diameters	1.200,00	15,70
25.560.1202	For valves with DN 25 to DN 40 diameters	1.290,00	16,50
25.560.1203	For valves with DN 50 to DN 65 diameters	1.590,00	17,80
25.560.1204	For valves with DN 80 to DN 125 diameters	2.460,00	19,00
25.560.1205	For valves with DN 150 and larger diameters	2.780,00	20,30
25.560.1206	For dampers with an area of 0.4 m <sup>2</sup> and less	792,00	15,70
25.560.1207	For dampers with an area of 0.4 - 1.0 m <sup>2</sup>	826,00	16,50
25.560.1208	For dampers with an area of 1.0 - 2.0 m <sup>2</sup>	934,00	17,80
25.560.1209	For dampers with an area of 2.0 - 4.0 m <sup>2</sup>	1.000,00	19,00
<b>25.560.2000</b>	<b>Additions to Servomotors: (Unit: Qty.)</b>		
<b>25.560.2100</b>	<b>Addition of emergency positioning: (to be used in vapor, super-heated water, hot water valves and ventilation dampers)</b> Supply on site, installation to the place and delivery in working condition of the emergency location unit that fully switches on or off the valve feeding the servomotor with the built-in spring or battery mechanism in case of power outage.		
25.560.2101	For valves with DN 10 to DN 20 diameters	522,00	15,70
25.560.2102	For valves with DN25 to DN 40 diameters	524,00	16,50
25.560.2103	For valves with DN 50 to DN 65 diameters	778,00	17,80
25.560.2104	For valves with DN 80 to DN 125 diameters	802,00	19,00
25.560.2105	For valves with DN 150 and larger diameters	874,00	20,30
25.560.2106	For dampers with an area of 0.4 m <sup>2</sup> and less	744,00	15,70
25.560.2107	For dampers with an area of 0.4 - 1.0 m <sup>2</sup>	984,00	16,50
25.560.2108	For dampers with an area of 1.0 - 2.0 m <sup>2</sup>	985,00	17,80
25.560.2109	For dampers with an area of 2.0 - 4.0 m <sup>2</sup>	1.170,00	19,00

**Automatic Control System**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.560.2200	<b>Adding position switch</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of the position switch that adjusts certain rotation angles of the servomotor and transmits warning in this rotation angle, that receives movement from the rod installed inside or outside the servomotor.	226,00	7,95
25.560.2300	<b>Addition of position feedback potentiometer</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of the position feedback potentiometer that feeds the position of the servomotor proportionally.	263,00	7,95
<b>25.562.1000</b>	<b>FAN-COIL CONTROL SYSTEM: (Unit: Qty.)</b>		
<b>25.562.1100</b>	<b>Fan-Coil Thermostat;</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of additions including contact, manual adjustment addition (manual reset), etc. pertaining to the fan-coil thermostat with summer-winter switch, that stops and starts minimum 3-cycle fan motor of the fan-coil in order to keep the room temperature at the adjusted value, that controls the automatic fan-coil valve, that resists against motor starter currents and at least 1 A continuous inductive load at 220 volt, that has adjustment button, that is 10/30 C partitioned.		
25.562.1101	Mechanical thermostats	165,00	15,70
25.562.1102	Thermostats with digital display (without communication)	257,00	15,70
25.562.1103	Thermostats with digital display (with communication)	517,00	15,70
<b>25.562.1200</b>	<b>Automatic Fan-Coil Valve;</b> Supply on site, installation to the place, making electrical connections and delivery in working condition of the motorized control valve that changes the water amount passing through the fan-coil in order to adjust the room temperature with the warning (signal) received from the Fan-Coil thermostat, that has brass or bronze body, that has geared connection, that has drive unit with electromagnetic or electrothermal mechanism, that operates with linear or rotary movement. (Valve body, motor and connection equipment are complete.)		
25.562.1201	Two-way DN 15	107,00	15,70
25.562.1202	Two-way DN 20	141,00	16,50
25.562.1203	Two-way DN 25	150,00	17,80
25.562.1204	Three-way DN 15	140,00	19,00
25.562.1205	Three-way DN 20	171,00	20,30
25.562.1206	Three-way DN 25	204,00	21,60
<b>25.565.1000</b>	<b>TWO-WAY AUTOMATIC CONTROL VALVE BODY: (Unit: Qty.)</b> Supply on site, installation to the place, delivery in working condition of the two-way automatic valve body that is manufactured in accordance with the Directive (2014/68/AB) Pressure Equipment, that is released to the market with CE compliance marking, that adjusts liquid and vapor flow amount, that is triggered by a drive unit, that has a single or double seats, that has peak bronze or brass spillage body, that has stainless steel rod, bronze or stainless steel valves or seats. (drive unit is not included in the price)		
<b>25.565.1200</b>	<b>Two-way, PN 10, threaded control valve body;</b> Resistant to at least to 10 atmospheric pressures up to 100°C and to 8 atmospheric pressures up to 110 °C. Other features are as in item 25.565.1000.		
25.565.1201	DN 15	265,00	28,10
25.565.1202	DN 20	311,00	28,10

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<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.565.1203	DN 25	348,00	32,20
25.565.1204	DN 32	401,00	32,20
25.565.1205	DN 40	574,00	34,10
25.565.1206	DN 50	689,00	36,00
<b>25.565.1300</b>	<b>Two-way, PN 16, threaded control valve body;</b> Special lead, bronze alloy housing valve housing and stainless steel rod that is resistant to at least 16 atmospheric pressures up to 100°C, and to 13 atmospheric pressures up to 120°C,		
25.565.1301	DN 15	294,00	28,10
25.565.1302	DN 20	351,00	28,10
25.565.1303	DN 25	404,00	32,20
25.565.1304	DN 32	432,00	32,20
25.565.1305	DN 40	596,00	34,10
25.565.1306	DN 50	735,00	36,00
<b>25.565.1500</b>	<b>Two-way, PN 6, flanged control valve body;</b>		
25.565.1501	DN 15	484,00	28,10
25.565.1502	DN 20	523,00	28,10
25.565.1503	DN 25	539,00	32,20
25.565.1504	DN 32	618,00	32,20
25.565.1505	DN 40	667,00	34,10
25.565.1506	DN 50	898,00	36,00
25.565.1507	DN 65	1.110,00	39,30
25.565.1508	DN 80	1.440,00	43,10
25.565.1509	DN 100	2.260,00	43,10
25.565.1510	DN 125	3.550,00	45,60
25.565.1511	DN 150	4.380,00	48,10
25.565.1512	DN 200	10.700,00	51,00
25.565.1513	DN 250	13.530,00	53,50
<b>25.565.1600</b>	<b>Two-way, PN 10, flanged control valve body;</b> Peak spillage body, bronze or stainless steel valve and seats, resistant to 10 atmospheric pressures up to 100°C temperatures, at least 8 atmosphere operation pressure up to 120°C temperatures, other features are as in item 25.565.1000.		
25.565.1601	DN 15	544,00	28,10
25.565.1602	DN 20	619,00	28,10
25.565.1603	DN 25	684,00	32,20
25.565.1604	DN 32	746,00	32,20
25.565.1605	DN 40	807,00	34,10
25.565.1606	DN 50	947,00	36,00
25.565.1607	DN 65	1.220,00	39,30
25.565.1608	DN 80	1.610,00	43,10
25.565.1609	DN 100	2.500,00	43,10
25.565.1610	DN 125	3.760,00	45,60
25.565.1611	DN 150	4.500,00	48,10
25.565.1612	DN 200	11.890,00	51,00
25.565.1613	DN 250	15.030,00	53,50



**Automatic Control System**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>25.565.1700</b>	<b>Two-way, PN 16, flanged control valve body;</b> Peak spillage body, bronze or stainless steel valve and seats, resistant to 16 atmospheric pressures up to 100°C temperatures, at least 13 atmospheric pressures up to 120°C temperatures, other features are as in item 25.565.1000		
25.565.1701	DN 15	1.060,00	28,10
25.565.1702	DN 20	1.160,00	28,10
25.565.1703	DN 25	1.230,00	32,20
25.565.1704	DN 32	1.400,00	32,20
25.565.1705	DN 40	1.600,00	34,10
25.565.1706	DN 50	1.940,00	36,00
25.565.1707	DN 65	2.260,00	28,10
25.565.1708	DN 80	2.930,00	28,10
25.565.1709	DN 100	4.220,00	32,20
25.565.1710	DN 125	6.280,00	32,20
25.565.1711	DN 150	8.230,00	32,90
25.565.1712	DN 200	25.580,00	51,00
25.565.1713	DN 250	30.210,00	53,50
<b>25.565.2000</b>	<b>THREE-WAY INSPECTION VALVE BODY: (TSE quality certified) (Unit: Qty.)</b> Supply on site, installation to the place, delivery in working condition of the three-way agitator or separator type control valve body that is manufactured in accordance with the Directive (2014/68/ AB) Pressure Equipment, that is released into the market with CE compliance marking, that changes the flow rate of the fluid passing through the line with the motor to be installed on it, that has bulk iron, bronze or brass body, that has stainless steel rod, bronze or stainless steel valves and seats, that has linear or rotary movement, that has equal flow characteristics. (Valve motor is not included in the price)		
<b>25.565.2100</b>	<b>Three-way, PN 6, threaded control valve body;</b>		
25.565.2101	DN 15	448,00	28,10
25.565.2102	DN 20	456,00	28,10
25.565.2103	DN 25	473,00	32,20
25.565.2104	DN 32	566,00	32,20
25.565.2105	DN 40	673,00	34,10
25.565.2106	DN 50	868,00	36,00
<b>25.565.2200</b>	<b>Three-way, PN 10, threaded control valve body;</b> Resistant to at least 10 atmospheric pressures up to 100°C and to 8 atmospheric pressures up to 110°C, other features are as in item 25.565.2000.		
25.565.2201	DN 15	470,00	28,10
25.565.2202	DN 20	478,00	28,10
25.565.2203	DN 25	531,00	32,20
25.565.2204	DN 32	656,00	32,20
25.565.2205	DN 40	947,00	34,10
25.565.2206	DN 50	1.150,00	36,00
<b>25.565.2300</b>	<b>Three-way, PN 16, threaded control valve body;</b> Special lead, bronze alloy housing valve housing and stainless steel rod that is resistant to 16 atmospheric pressures up to 100°C, and at least to 13 atmospheric pressures up to 120°C, other features are as in item 25.565.2000.		

**Automatic Control System**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.565.2301	DN 15	502,00	39,30
25.565.2302	DN 20	569,00	43,10
25.565.2303	DN 25	644,00	43,10
25.565.2304	DN 32	774,00	45,60
25.565.2305	DN 40	919,00	48,10
25.565.2306	DN 50	1.270,00	51,00
<b>25.565.2500</b>	<b>Three-way, PN 6, flanged control valve body;</b>		
25.565.2501	DN 15	771,00	28,10
25.565.2502	DN 20	811,00	28,10
25.565.2503	DN 25	851,00	32,20
25.565.2504	DN 32	1.010,00	32,20
25.565.2505	DN 40	1.060,00	34,10
25.565.2506	DN 50	1.210,00	36,00
25.565.2507	DN 65	2.040,00	39,30
25.565.2508	DN 80	2.440,00	43,10
25.565.2509	DN 100	3.340,00	43,10
25.565.2510	DN 125	6.560,00	45,60
25.565.2511	DN 150	8.610,00	48,10
25.565.2512	DN 200	9.200,00	48,10
25.565.2513	DN 250	11.120,00	51,00
<b>25.565.2600</b>	<b>Three-way, PN 10, flanged control valve body;</b>		
25.565.2601	DN 15	808,00	28,10
25.565.2602	DN 20	850,00	28,10
25.565.2603	DN 25	893,00	32,20
25.565.2604	DN 32	1.130,00	32,20
25.565.2605	DN 40	1.110,00	34,10
25.565.2606	DN 50	1.170,00	36,00
25.565.2607	DN 65	1.800,00	36,00
25.565.2608	DN 80	2.200,00	39,30
25.565.2609	DN 100	2.900,00	43,10
25.565.2610	DN 125	8.000,00	43,10
25.565.2611	DN 150	8.900,00	45,60
25.565.2612	DN 200	9.970,00	48,10
25.565.2613	DN 250	12.050,00	51,00
<b>25.565.2700</b>	<b>Three-way, PN 16, flanged control valve body;</b> Peak spillage housing valve housing and stainless steel rod that is resistant to 16 atmospheres up to 100°C, and to at least 13 atmospheric pressures up to 200°C, other features are as in item 25.565.2000.		
25.565.2701	DN 15	980,00	28,10
25.565.2702	DN 20	1.080,00	28,10
25.565.2703	DN 25	1.190,00	32,20
25.565.2704	DN 32	1.340,00	32,20
25.565.2705	DN 40	1.550,00	34,10
25.565.2706	DN 50	1.810,00	36,00
25.565.2707	DN 65	2.220,00	36,00
25.565.2708	DN 80	2.910,00	39,30
25.565.2709	DN 100	3.450,00	43,10

**Automatic Control System**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.565.2710	DN 125	8.770,00	43,10
25.565.2711	DN 150	9.360,00	45,60
25.565.2712	DN 200	12.510,00	48,10
25.565.2713	DN 250	15.500,00	51,00
<b>25.565.3000</b>	<b>TWO-WAY BUTTERFLY VALVE BODY: (Unit: Qty.)</b> Supply on site, installation to the place of the two-way butterfly automatic valve body that is manufactured in accordance with the Directive (2014/68/AB) Pressure Equipment, that is released into the market with CE compliance marking, that can adjust the flow of high output fluid, that is triggered by a drive unit, that has peak spillage body, that has special bronze alloyed butterfly.		
<b>25.565.3100</b>	<b>Two-way, PN 10, flanged, butterfly type automatic valve body;</b> resistant to 10 atmospheric pressures up to 100°C.		
25.565.3101	DN 25	621,00	32,20
25.565.3102	DN 32	654,00	32,20
25.565.3103	DN 40	718,00	34,10
25.565.3104	DN 50	776,00	36,00
25.565.3105	DN 65	857,00	39,30
25.565.3106	DN 80	1.050,00	43,10
25.565.3107	DN 100	1.180,00	43,10
25.565.3108	DN 125	1.420,00	45,60
25.565.3109	DN 150	1.750,00	53,50
25.565.3110	DN 200	2.830,00	63,50
25.565.3111	DN 250	3.690,00	82,50
25.565.3112	DN 300	5.400,00	83,50
25.565.3113	DN 400	10.640,00	105,00
<b>25.567.1000</b>	<b>PRESSURE-INDEPENDENT (COMBINED) INSPECTION VALVE: (Unit: Qty.)</b> Installation of the pressure-independent (combined) inspection valve and delivery in working condition with correct adjustments that is manufactured in accordance with the Directive (2014/68/ AB) Pressure Equipment, that is released into the market with CE compliance marking, that is used in closed circuit heating or cooling systems, that has a mechanism preventing pressure changes in the system from affecting flow rate control, that has 100% valve authority, that has equal percent flow characteristics, that has flow rate measurement points. (Valve motor is not included)		
<b>25.567.1100</b>	<b>Two-way, threaded connection;</b>		
25.567.1101	DN 15	379,00	28,10
25.567.1102	DN 20	431,00	28,10
25.567.1103	DN 25	591,00	32,20
25.567.1104	DN 32	873,00	32,20
25.567.1105	DN 40	2.100,00	34,10
25.567.1106	DN 50	2.350,00	36,00
<b>25.567.1200</b>	<b>Two-way, flanged connection;</b>		
25.567.1201	DN 65	6.560,00	43,10
25.567.1202	DN 80	7.470,00	43,10
25.567.1203	DN 100	9.640,00	45,60
25.567.1204	DN 125	14.260,00	53,50

**Automatic Control System**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.567.1205	DN 150	19.110,00	63,50
25.567.1206	DN 200	36.190,00	82,50
25.567.1207	DN 250	48.730,00	83,50
<b>25.567.2000</b>	<b>FLOW LIMITING DIFFERENTIAL PRESSURE INSPECTION VALVE: (Unit: Qty.)</b> Supply on site and installation to the place of the differential pressure relief valve together with turnaround valves and capillary pipe set that is manufactured in accordance with the Directive (2014/68/AB) Pressure Equipment, that is released into the market with CE compliance marking, that will be selected in accordance with the approved project indicating nominal dimensions, nominal pressures, material types and operating temperatures, that has seating type (globe), peak spillage (GG 25), spheroidal graphite cast iron (GGG 40.3), steel spillage (GS-C 25), bronze inspection valve body, stainless steel seat (seating collar) and rod, EPDM membrane, covered steel control unit, and pressure spring differential pressure adjustment mechanism. (Differential Pressure Setting Range: To be taken from the project value)		
<b>25.567.2100</b>	<b>To be mounted on return line, PN 16, threaded</b>		
25.567.2101	Ø15 mm	327,00	28,10
25.567.2102	Ø20 mm	369,00	28,10
25.567.2103	Ø25 mm	445,00	31,70
25.567.2104	Ø32 mm	575,00	31,70
25.567.2105	Ø40 mm	768,00	34,10
25.567.2106	Ø50 mm	1.040,00	36,00
<b>25.567.2200</b>	<b>Differential pressure inspection valve body, stainless steel bellows with pressure balanced, flanged, PN 16</b>		
25.567.2201	Ø65 mm	4.920,00	43,10
25.567.2202	Ø80 mm	5.610,00	45,60
25.567.2203	Ø100 mm	6.470,00	53,50
<b>25.567.3000</b>	<b>DIFFERENCE PRESSURE RELIEF VALVES:</b> Supply on site and installation to the place of the differential pressure relief valve that is manufactured in accordance with the Directive (2014/68/AB) Pressure Equipment, that is released into the market with CE compliance marking, that will be selected in accordance with the approved project indicating nominal dimensions, nominal pressures, material types and operating temperatures, that has seating type (globe), peak spillage (GG 25), spheroidal graphite cast iron (GGG 40.3), steel spillage (GS-C 25), bronze inspection valve body, stainless steel seat (seating collar) and rod, EPDM membrane, covered steel control unit, and pressure spring differential pressure adjustment mechanism. (Differential Pressure Setting Range Will Be Taken From the Project.)		
<b>25.567.3100</b>	<b>Body and Control Unit, Bronze Body, PN 16 Screwed</b>		
25.567.3101	Ø20 mm	201,00	28,10
25.567.3102	Ø25 mm	351,00	31,70
25.567.3103	Ø32 mm	707,00	31,70
<b>25.567.3200</b>	<b>Differential Pressure Relief Valve Body, Stainless Steel Bellows with Pressure Balanced, PN 16, Flanged</b>		
25.567.3201	Ø40 mm	2.690,00	34,10
25.567.3202	Ø50 mm	2.880,00	36,00
25.567.3203	Ø65 mm	6.960,00	43,10
25.567.3204	Ø80 mm	7.160,00	45,60
25.567.3205	Ø100 mm	12.250,00	53,50



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**KITCHEN AND LAUNDRY INSTALLATION  
UNIT PRICES AND DEFINITIONS**

2019

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.600.1000</b>	<b>WORKTABLES</b>		
25.600.1100	<b>Worktable, AISI 304 Grade 18/8 Cr-Ni (Size: m)</b> The supply and installation of the work table, completely manufactured of AISI 304 Grade 18/8 Cr-Ni material, at least 850 mm high, with 60 mm backrest, upper slab, legs made of 40x40x1,2 mm box profile or pipe (4 pieces up to 2 m, 6 pieces up to 3 m) and the other parts at least 1.5 mm and the lower plate 1.2 mm thick, when necessary, the right and left sides Argon welded and traces of weld completely eliminated, table corners and any kind of visible joints completely smoothed, the upper part polished or matt finished, legs with height adjustments (ball joint) made of rigid plastic, tubular, cast iron or rubber and mounted on the profile.		
25.600.1101	600 mm. width	774,84	38,56
25.600.1102	700 mm. width	810,51	38,56
25.600.1103	800 mm. width	847,41	38,56
25.600.2101	<b>600 mm. width Moving Worktable</b> Supply of work tables completely made of AISI 304 Grade 18/8 Cr-Ni material, upper slab with perimeter band for use in four directions, upper and lower plate, bottom plate with protection band, 360° swiveling 4 heavy duty legs 2 with brakes. Other specifications shall comply with item 25.600.1100.	1.242,30	
25.600.2102	700 mm. width Moving Worktable	1.291,50	
25.600.2103	800 mm. width Moving Worktable	1.328,40	
25.600.2200	<b>WORKTABLE, WITH SINK, PRESSED: (Unit: m)</b> Manufactured completely wall thickness AISI 304 Grade 18/8 Cr-Ni material with the upper plate with 1.2 mm wall thickness to prevent the water overflow, pressed as one piece, sloped as to direct the water flow to the tub. The sinks with at least 1.0 mm thickness shall be mounted to the upper plate with weld seams and the seams shall be smoothed as to form a monolithic image with the upper table. The supply and installation of a 1 mm skirted table with 60 mm high backrest, legs made of 40 x 40 x 1.2 mm box profile legs (4 pieces up to 190 cm, 6 pieces up to 240 cm), legs with height adjustment (ball joint) made of rigid plastic or rubber and mounted on the profile in order to prevent the sinks from being seen from the side and the front. (Sink is not included in the unit price.)		
25.600.2201	600 mm. width	775,34	38,56
25.600.2202	700 mm. width	801,16	38,56
25.600.2203	800 mm. width	847,90	38,56
25.600.2300	<b>SINK, PRESSED, GRADE AISI 304 18/8 Cr-Ni</b> The supply and distribution of a sink manufactured from 18/8 stainless steel material with at least 1.0 mm thickness with the deep drawing method, shall welded to the table top plate of the same material by argon-arc welding and the seams shall be smoothed as to form a monolithic image with the upper table and the corners shall be rounded.		
25.600.2301	Dimensions 40 x 40 x 25 cm.	338,25	
25.600.2302	Dimensions 40 x 50 x 25 cm.	377,61	
25.600.2303	Dimensions 50 x 50 x 25 cm.	414,51	
25.600.2304	Dimensions 50 x 50 x 30 cm.	452,64	
25.600.2305	Dimensions 60 x 50 x 30 cm.	541,20	

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.600.3000	<b>Addition of drawer: (Unit: Qty.)</b>		
25.600.3100	Addition of drawer AISI 304 Grade 18/8 Cr-Ni With dimensions 50 x 50 x 15, handle, mounted to the table with rails. The price shall be considered when the drawers are added.	215,25	
25.600.3200	<b>Addition of cupboard: (Unit: m)</b> All to be mounted to the tables manufactured of AISI 304 Grade 18/8 Cr-Ni material, sliding doors of 1 mm thickness, the sides and the back of 0.8 mm thickness, per meter price of the cupboard without shelf.		
25.600.3201	For worktables with 600 mm. width	554,73	
25.600.3202	For worktables with 700 mm. width	648,21	
25.600.3203	For worktables with 800 mm. width	740,46	
25.600.3300	<b>INTERMEDIATE SHELF ADDITION (Unit: m)</b> Manufactured from AISI 304 Grade 18/8 Cr-Ni for mounting to the worktable, 1.2 mm thick, with three turns, supported by reinforcements where necessary. The price shall be considered when the shelves are added		
25.600.3301	For worktables with 600 mm. width	260,76	
25.600.3302	For worktables with 700 mm. width	298,89	
25.600.3303	For worktables with 800 mm. width	345,63	
<b>25.600.4100</b>	<b>CUPBOARDS AISI 304 GRADE 18/8 Cr-Ni: (Unit: m)</b>		
25.600.4101	The supply and installation of the cupboard with door: 1 mm. wall thickness, 400 x 600 mm. size, center rack, front hanger system, double wall sliding door.	1.173,78	41,44
25.600.4102	The supply and installation of the cupboard without door: 1 mm. wall thickness, 400 x 600 mm. size, center rack.	1.010,19	41,44
<b>25.600.5000</b>	<b>WORKTABLES FOR MEAT PREPARATION TABLES: (Unit: m)</b>		
25.600.5100	<b>Worktable for meat preparation AISI 304 Grade 18/8 Cr-Ni:</b> The upper table with 6 cm back in the back and/or at the side depending on the working person and 40 mm high, made of polyethylene, other parts the same as in 25.600.1100		
25.600.5101	600 mm. width	831,23	45,75
25.600.5102	700 mm. width	891,50	45,75
25.600.5103	800 mm. width	955,46	45,75
25.600.5200	<b>MEAT BLOCK (Unit: Pieces)</b> Carrier carcass and legs made of AISI 304 Grade Cr-Ni material 40 x 40 x 1.2 mm thick, total height 850 mm, with height adjustment components (ball joint), made of rigid profile and of rigid plastic, cast or rubber mounted on profile.		
25.600.5201	50 x 60 x 8 cm., polyethylene plate.	1.580,40	18,30
25.600.5202	50 x 70 x 8 cm., polyethylene plate.	1.764,90	18,30
25.600.5203	80 x 80 x 8 cm., polyethylene plate.	2.023,20	18,30
25.600.6000	<b>WORKTABLES FOR DOUGH MAKING: (Unit: m)</b>		
25.600.6100	<b>Worktables For Dough Making, AISI 304 Grade Cr-Ni:</b> The upper table 3 cm, the backs 6 cm thick marble, plastic slip-resistant base under the marble, cast iron feet, other parts same as 25.600.1100.		
25.600.6101	600 mm. width	939,40	52,94
25.600.6102	700 mm. width	1.015,66	52,94
25.600.6103	800 mm. width	1.096,84	52,94

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.600.6104	1100 mm. width	1.440,01	52,94
25.600.6200	<p><b>WORKTABLE FOR DISH STRIPPING: (With stripping funnel)</b>  <b>(Unit: m)</b>                      The supply and on-site installation of the stripping table manufactured entirely from AISI 304 Grade 18/8 Cr-Ni material with 1.5 mm wall thickness, stripping funnel made of stainless steel or plastic, load-carrying frame made of Cr-Ni box profile (40 x 40 x 1.5 mm), upper table with a slope in special form to prevent water from flowing onto the floor, legs screw adjusted and having hard plastic pads at the bottom..</p>		
25.600.6201	600 mm. width	916,29	38,56
25.600.6202	700 mm. width	948,28	38,56
25.600.6203	800 mm. width	997,48	38,56
25.602.1000	<b>TRAYS (Unit: m.)</b>		
25.602.1100	<p><b>Meat and vegetable washing tray AISI 304 Grade 18/8 Cr-Ni:</b>                      The supply and installation at work site, approximately 850 mm high, at least 300 mm deep, completely manufactured of at least 1.5 mm AISI 304 Grade 18/8 Cr-Ni material, with 60 mm. top, upper plate and other parts 1.2 mm. thick, 1.5 mm. thick pool (with a maximum of 10 cm margin), pool bottom with filter tray, instead of the shelves, the front and the sides skirted to prevent the pool from being seen, all welded with argon arc welding matt satin finish, legs from 40 x 40 x 1.2 mm box profile, with hard plastic or rubber height adjustment elements (ball joint) mounted to the profile.</p>	1.866,94	48,63
25.602.1200	<p><b>BOILER AND POT WASHING TRAY: AISI 304 Grade Cr-Ni</b>  <b>(Unit: m)</b>                      Completely Manufactured of AISI 304 Grade 18/8 Cr-Ni material with a wall thickness of 1.5 mm, with 300 mm. deep pool, with a slope to facilitate the flow of water to the tub and from the table removable grid made of stainless steel profile, a band along the circumference of the tub to prevent the pool from being seen, table height 570 mm, the wall side 340 mm, legs made of 40 x 40 x 1.2 mm box profile with hard plastic or rubber height adjustment elements (ball joint) mounted to the profile. The supply and installation of the tray made with Argon welding and the removal of the slag and smoothening of the weld seams.</p>		
25.602.1201	With 600 mm width	1.485,64	48,63
25.602.1202	With 700 mm width	1.534,84	48,63
25.602.1203	With 800 mm width	1.608,64	48,63
25.602.1204	With 1000 mm width	1.743,94	48,63



### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.605.1100</b>	<p><b>MEAL SERVICE TABLES (Unit: Pieces)</b>                      The supply and installation of the service table, manufactured of AISI 304 Grade 18/8 Cr-Ni material, the meal pots in the hot water bath, with thermostat and electrical heater, below one bottom shelf, above glass, cough curtain, in front 30 cm tray conveying band, upper plate, hot water bath and meal pots 1.5 mm thick, other parts (including the tray band side and two side covers) 1 mm thick AISI 304 Grade 18/8 Cr-Ni material, hot water bath Argon welded and traces of weld completely eliminated visible joints completely smoothed, meal pots and basin manufactured by pressing, box profile legs with height adjustments (ball joint) made of rigid plastic, tubular, cast iron or rubber and mounted on the profile.                      Note: The devices shall be manufactured in compliance with the 2014/35/EU The Low Voltage Directive (LVD).</p>		
25.605.1101	1600 mm, with 4 pieces of GN tub, at least at 3 kW power	5.599,70	145,88
25.605.1102	1900 mm, with 5 pieces of GN tub, at least at 6 kW power	6.307,60	194,50
25.605.1103	2400 mm, with 6 pieces of GN tub, at least at 6 kW power	7.475,53	243,13
25.605.1200	<p><b>COVER UNIT (Unit: m)</b>                      The supply and installation of tray manufactured completely from 1.5 mm. wall thickness AISI 304 Grade 18/8 Cr-Ni material with 1.5 mm wall thickness. closed on three sides, the support legs made of box profile (40 x 40 x 1.2 mm), with conveyor band, with at least three compartments (fork, spoon, knife) removable for cleaning, width 700, height 850/1350 mm.</p>	2.245,01	31,50
<b>25.605.1300</b>	<b>HOT WATER BATH FOR SUACE (Unit: Pieces)</b>		
25.605.1301	<p><b>Hot Water Bath for Sauce, electrically powered</b>                      The supply and installation of the hot water bath, minimum 4 kW power, 800 x 900 x 850, 850 x 900 x 850 or 900 x 900 x 850 mm size, body AISI 304 Grade 18/8 Cr-Ni stainless steel sheet, other inner parts aluminized sheet, pool part of stainless steel sheet and suitable for the placement of GN pots, with multi-stage thermostats and limit protected against temperature rises, main switch to control the power entry to the water bath or to cut the power, all electrical control equipment in accordance with the international standards.                      Note: The devices shall be manufactured in compliance with the 2014/35/EU The Low Voltage Directive (LVD).</p>	4.619,44	34,00
25.605.1302	<p>Hot Water Bath for Sauce, gas powered                      The supply and installation of the gas powered hot water bath, minimum 5 Kw power, 800 x 900 x 850, 850 x 900 x 850, 900 x 900 x 850 mm size, body AISI 304 Grade 18/8 Cr-Ni stainless steel plate, polish-finished, other inner parts of aluminized sheet metal, pool part of stainless steel sheet and suitable for the placement of gastronom pots, gas valve, safety valve which will automatically cut off the gas in case the flame goes off, pilot flame, thermostatic structure that can control the temperature at different stages, gas burner in form of a stainless steel pipe and automatic ignition button capable to work with all the gases, working with LPG or natural gas without any modification, all gas control and control equipment in compliance with the international standards.                      Note: Shall be in compliance with the Gas Powered Devices Directive 2016/426/AB</p>	4.791,64	34,00

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.607.1000</b>	<p><b>DOUGH KNEADING MACHINE: (Unit: Pieces)</b>                      The supply, installation and commissioning of the machine with the total capacity specified below for the kneading of different types of doughs, frame made of steel, upper cover and body made of cast aluminum, wear and corrosion resistant, painted, the pot and the mixer made of AISI 304 Grade Cr-Ni material, monolithic in order to provide hygiene, the mixer with approximately 50 and 100 RPM double speed, gearbox and the motor coupled to each other, speed of the pot 15 RPM, with safety switch, with cage, the legs shall be in a way to prevent vibration and to work quietly and without vibration, the electrical panel to be provided with thermal and automatic fuse mounted on the machine against overload, to work at 380 V - 50 Hz electricity.                      Note: The devices shall be manufactured in compliance with the 2014/35/EU The Low Voltage Directive (LVD).                      Mixing Mot. (kW)</p>		
25.607.1001	20 kg/round capacity; 0.4-0.7 (minimum)	4.143,38	91,75
25.607.1002	30 kg/round capacity; 0.6-0.9 (minimum)	4.721,38	108,88
25.607.1003	40 kg/round capacity; 0.8-1.4 (minimum)	5.627,50	123,25
25.607.1004	50 kg/round capacity; 1.0-1.6 (minimum)	6.511,78	140,38
25.607.1005	60 kg/round capacity; 1.2-2.1 (minimum)	8.242,00	154,75
<b>25.607.2000</b>	<p><b>Potato Peeling Machine (Unit: Qty.)</b>                      The supply and installation of the potato peeling machine with potato or similar food peeling capacity, at least 0.37 kW electric motor, at least 38 cm. diameter and 35 cm. deep galvanized or chrome peeling pot, on the inner surface of the peeling pot silicon carbide coated or grater shaped 18/8 stainless steel stripping liner and interchangeable silicon carbide coated peel disc, hinged front cover, mobile top cover and water spray nozzle. Note: Electrically operated devices shall be manufactured in accordance with the 73/23/EEC Low Voltage Directive issued by the Ministry of Industry and Trade and published on 11.January.2002 with number 24637. (he electrical panel and the power cable are not included in the description)</p>		
25.607.2001	10 kg/run	3.947,94	92,00
25.607.2002	20 kg/run	6.721,44	98,00
25.607.2003	30 kg/run	7.690,13	102,00
<b>25.607.3000</b>	<p><b>MEAT GRINDER: (TS 746) (Unit: Qty.)</b>                      The supply and installation of the meat grinder with steel gear, gearbox with roller bearings and switch for back and forth rotations, with the cable at the required length and cross-section, body and neck made of AISI 304 Grade Cr-Ni material, enclosed in a casing. Note: Shall be manufactured in compliance with the regulation 2014/35/EC on electrical equipment designed for use within certain voltage limits and machine safety regulation (2006/42/EC)</p>		
25.607.3001	With 200 kg/h meat grinding capacity	3.368,40	48,63
25.607.3002	With 400 kg/h meat grinding capacity	3.811,14	53,49
25.607.3003	With 500 kg/h meat grinding capacity	4.686,43	55,48
25.607.3004	With 600 kg/h meat grinding capacity	5.507,80	58,90

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.607.3100	<b>Meat Grinder, Stainless Steel, Cooling Type (Unit: Qty.)</b> With AISI 304 stainless steel body, spiral, neck and neck nut, meat chamber cooling function, cooling unit with digital controller, and hand guard for safety. Bearing a CE marking.		
25.607.3101	With cooling and 400 kg/h meat grinding capacity	6.156,62	53,49
25.607.3102	With cooling and 600 kg/h meat grinding capacity	7.376,39	54,51
25.607.4000	<b>BREAD SLICING MACHINE: (Unit: Pieces)</b> Approx. 60 x 70 x 105 cm in size, 220 Volt AC, 50 Hz. The supply and installation of the bread slicing machine, power supply from the network, 0.8 kW, driven by 1400 RPM single phase motor, 10-15 mm thick slicing, 32 stainless steel blades; the surfaces coming into contact with bread to be made of AISI 304 Grade Cr-Ni, working automatically by pulling the lever, maximum 50 cm size bread entry, with crumb pot, body made of 5 mm thick sheet metal, oven painted, cast iron wheels. Note: The electrical devices shall be manufactured in compliance with the regulation 2014/35/EC on electrical equipment for use within certain voltage limits.	4.395,80	17,00
25.610.1000	<b>FRYERS: Unit: pieces:</b>		
25.610.1100	<b>Electric Fryer:</b> The supply and installation of the electric fryer for frying various foods in oil and in a short time, made of AISI 304 Grade 18\8 Cr-Ni material, of 85 cm. height, oil container with cold storage, single or double frying baskets with bottom lid, bottom discharge or front drainage system and oil collection container, pilot lamp, thermostat, oil drain tap and baskets suitable for frying and hygiene conditions, handle protected against heating, thermostat with 100-180°C temperature control, each of the basins are used independently with a separate control system, thermostat tips in contact with oil are of Cr-Ni, fitted with a ball valve at front or at the side to drain the oil, for the multi-purpose use fits under the cupboard or mounted on a carcass for middle group applications, having a main switch and a limit safety thermostat to cut-off the power in case of danger on the device, all electrical control equipment in accordance with the international standards, having height adjustment components. Note: The electrical devices shall be manufactured in compliance with the regulation 2014/35/EC on electrical equipment for use within certain voltage limits. for use within certain voltage limits.		
25.610.1101	12 L, min. 10 kW	4.554,25	34,00
25.610.1102	18 L, min. 16 kW	5.279,95	34,00
25.610.1103	24 L, min. 21 kW	8.182,75	34,00
25.610.1104	36 L, min. 33 kW	9.351,25	34,00

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.610.2000	<b>OVENS: (Unit: Pieces)</b>		
25.610.2100	<b>ELECTRIC CONVECTION OVEN:</b> Made of Cr-Ni material, manual or automatic humidification, adjustable cooking time and digital display between 0 C - 300 C, shall be insulated with specially produced, at least 30 mm thick white ceramic or rock wool having a density of at least 50 kg/m <sup>3</sup> . Double-stage door lock system, with interior lighting, insulated, tempered, double-glazed, temperature time program indicator, sensor system to stop the fan when the door is opened, 2-speed stainless steel fan, equal heat distribution with double-direction fan with. Note: The devices shall be manufactured in compliance with the 2014/35/EU The Low Voltage Directive (LVD).		
25.610.2101	6 GN 1/1 tray and min. 8 kW thermal capacity (including a bottom stand with tray rails and 4-cm-deep trays)	10.861,83	111,63
25.610.2102	10 GN 1/1 tray and min. 12 kW thermal capacity (including a bottom stand with tray rails and 4-cm-deep trays)	11.850,65	128,75
25.610.2103	10 GN 2/1 tray and min. 16 kW thermal capacity (including a bottom stand with tray rails and 4-cm-deep trays)	16.789,85	160,25
25.610.2104	20 GN 2/1 tray and min. 32 kW thermal capacity (including a cooker car kit and 4-cm-deep trays)	22.740,40	194,50
<b>25.610.2200</b>	<b>GAS CONVECTION OVEN:</b> Made of AISI 304 Grade 18\8 Cr-Ni material, manual or automatic humidification, shall be insulated with at least 30 mm thick white rock wool or white ceramic wool having a density of at least 50 kg/ m <sup>3</sup> . Double-stage door lock system cutting-off the gas when the flame goes off, with interior lighting, insulated, tempered, double-glazed, temperature time program indicator, sensor system to stop the fan when the door is opened, 2-speed stainless steel fan, equal heat distribution with double-direction fan with. Note: In accordance with the Directive 2016/426/EU on gas burning devices, released to the market with a CE compliance marking.		
25.610.2201	6 GN at least 8 kW thermal capacity with 1/1 trays	11.534,64	111,63
25.610.2202	10 GN at least 12 kW thermal capacity with 1/1 trays	14.442,26	128,75
25.610.2203	20 GN at least 16 kW thermal capacity with 1/1 trays	16.626,26	160,25
25.610.2204	40 GN at least 32 kW thermal capacity with 1/1 trays	22.884,31	194,50
25.610.3000	<b>GRILLS: Unit: Pieces:</b>		
25.610.3100	<b>Grill (gas powered);</b> The supply and installation of the grill with the body made of AISI 304 Grade 18\8 Cr-Ni stainless steel sheet metal, with oil collecting channel and a drain in front of the other frying surface, collecting the oil on the surface into a stainless steel drawer, cleanable, stainless steel panels on three sides to prevent splashing of the oil, frying surface independently controlled with two separate control system, gas taps, pilot flame, minimum-maximum flaming and thermocouple safety valve in the structure that will cut off the gas automatically when the flame goes off, gas burner in the form of pipe and all gas operated, automatic ignition pushbuttons, all operating with LPG or natural gas and transformed without any modification, gas control equipment in compliance with the international standards. Note: In accordance with the Directive (90/316/EC) Appliances Burning Gaseous Fuels in the Official Gazettes dated 01.April.2002 number 24713 and dated 19.March.2003 number 25053 by the Ministry of Industry and Trade.		

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.610.3101	40x70 at least 5 kW	2.892,16	38,56
25.610.3102	40x90 at least 6 kW	3.150,46	38,56
25.610.3103	80x70 at least 10 kW	4.640,84	52,94
25.610.3104	80x90 at least 12 kW	5.083,64	52,94
25.610.3200	<p><b>FLOOR TYPE COOKER: Unit: Pieces:</b>                      The supply, installation and delivery in working order of the cooker with 1.5 mm thick AISI 304 Grade 18\8 Cr-Ni stainless steel carrier body with oil sump or overflow pot, heat capacity 19-24 kW, double sided, with two control systems, upper plates for LPG or natural gas, made of heavy duty cast iron, with safety device to cut off the gas in case the flame goes off.                      Note: In accordance with the Directive (90/316/EC) Appliances Burning Gaseous Fuels in the Official Gazettes dated 01.April.2002 number 24713 and dated 19.March.2003 number 25053 by the Ministry of Industry and Trade.</p>		
25.610.3201	600 x 700 x 500 mm. dimensions	1.598,18	48,38
25.610.3202	600 x 800 x 500 mm. dimensions	2.065,58	48,38
25.610.3210	Floor-type cooker sized 700x850x500 mm with 4 burners 32 kW total power, 4 burners, entirely made of AISI 304 stainless steel, with safety valve, tap, burner with high efficiency and low gas emission, 10-kW internal burners, 11-kW middle and external burners, pig-cast cooking ranges, running on LPG and natural gas. Bearing a CE marking.	2.650,00	48,38
25.610.3300	<p><b>Kitchen Stove; (electrically powered): Unit: Pieces</b>                      The supply and installation of the kitchen stove with at least 4 square or circular plates, AISI 304 Grade 18\8 Cr-Ni stainless steel, all metal sheets invisible from the outside of aluminized sheet, plates operated with at least two stage switches separately in different positions, all electrical control equipment including cooker plates to comply with the international standards. Note: The devices shall be manufactured in compliance with the regulation 2014/35/ EC on electrical equipment for use within certain voltage limits.</p>		
25.610.3301	800 x 700 x 850 at least 15 kW	3.678,35	197,45
25.610.3302	800 x 900 x 850 at least 25 kW	7.213,28	214,58
25.610.3303	800 x 700 x 850 at least 22 kW (with oven)	7.122,35	197,45
25.610.3304	800 x 900 x 850 at least 32 kW (with oven)	10.595,78	214,58
25.610.3400	<p><b>Kitchen Stove (gas powered): Unit: Pieces</b>                      The supply and installation of the kitchen stove made of AISI 304 Grade 18\8 Cr-Ni material, LPG or natural gas powered and transformed without any modification, gas taps, pilot flame, minimum-maximum flame and a safety valve to automatically cut off the gas in case the flame goes off, the burners to work at the same capacity with all the gases, pilot burner and thermocouple for each burner and enamel coated oil collecting trays under the burners, all gas control devices to comply with the international standards.                      Note: Shall be in compliance with the Gas Powered Devices Directive 2016/426/AB</p>		
25.610.3401	800 x 700 x 850 at least 15 kW	5.092,85	197,45
25.610.3402	800 x 900 x 850 at least 25 kW	5.626,58	214,58
25.610.3403	1000 x 1000 x 850 at least 35 kW	6.406,30	231,70
25.610.3404	1500 x 1000 x 850 at least 45 kW	9.537,40	263,20
25.610.3405	2000 x 1000 x 850 at least 65 kW	11.768,53	280,33
25.610.3406	800 x 700 x 850 at least 15 kW, with oven	7.688,15	197,45
25.610.3407	800 x 900 x 850 at least 25 kW, with oven	8.271,08	214,58

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.610.3408	1000 x 1000 x 850 at least 35 kW, with oven	8.423,50	231,70
25.610.3409	1500 x 1000 x 850 at least 45 kW, with oven	10.779,70	263,20
25.610.3410	2000 x 1000 x 850 at least 65 kW, with oven	13.256,83	280,33
25.615.1000	<p><b>DISHWASHERS: Unit: Pieces</b></p> <p>Note: Shall be manufactured in compliance with the 2014/35/EU The Low Voltage Directive (LVD) and Directive (2006/42/EC) Machinery.</p>		
25.615.1100	<p><b>500 Plate/Hour Capacity, Fully Automated Dishwasher</b></p> <p>For each period (per hour) with 40 pieces 50 x 50 cm. washing basket (cassette) and nominal (maximum theoretically) to take 500 plates or 200 self-service trays washing capacity, working at 2-4 bar pressure, whole body and the boiler made of AISI 304 Grade 18/8 Cr-Ni material, having at least 2 different programs, pump motor power of at least 450 Watt, supplied with at least 1500 Watt stainless steel tank heater and at least 4500 Watt stainless steel heating tank, 220 Volts or 380 Volts, 50 Hz. The supply, installation and delivery in working order of the dishwasher with electric panel, which allows the automatic operation of the machine to be mounted on the machine and fed from the electrical network, machine including the strainer, suction filter and overflow drain systems and the check valve at the inlet of the mains water, washing water at 50°C, the rinsing water at 85°C temperature, door with safety switch, a plate basket, a fork-spoon basket and a cup basket made of detergent-resistant plastic.</p>	6.777,66	229,14
25.615.1200	<p><b>1000 Plate/Hour Capacity, Fully Automated Dishwasher</b></p> <p>For each period (per hour) with 65 pieces 50 x 50 cm. washing basket (cassette) and nominal (maximum theoretically) to take 1000 plates or 400 self-service trays washing capacity, working at 2-4 bar pressure, whole body and the boiler made of AISI 304 Grade 18/8 Cr-Ni material, having at least 2 different programs, pump motor power of at least 600 Watts, supplied with at least 2000 Watts stainless steel tank heater and at least 6000 Watts stainless steel heating tank, 220 Volts or 380 Volts, 50 Hz. The supply, installation and delivery in working order of the dishwasher with electric panel, which allows the automatic operation of the machine to be mounted on the machine and fed from the electrical network, machine including the strainer, suction filter and overflow drain systems and the check valve at the inlet of the mains water, washing water at 50°C, the rinsing water at 85°C temperature, door with safety switch, a plate basket, a fork-spoon basket and a cup basket made of detergent-resistant plastic.</p>	8.513,01	386,40

**Kitchen and Laundry Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.615.1300	<p><b>2000 Plate/Hour Capacity, Fully Automated Dishwasher With Drying Tunnel</b>                      For each period (per hour) with 130 pieces 50 x 50 cm. washing basket (cassette) and nominal (maximum theoretically) to take 2000 plates or 800 self-service trays washing capacity, automated running and thermostatic controlled, the baskets moving back and forth on a stainless steel conveyor inside the machine and passing through washing, rinsing and drying compartments, whole body and the boiler made of AISI 204 Grade 18/8 Cr-Ni material, The washing system, washing arms, rinsing arms, spray nozzles and crumb strainers shall be made of corrosion-, detergent- and hot-water-resistant plastic material or 18/8 Cr-Ni stainless steel, washing pump made of corrosion- and detergent-resistant plastic material and will be coupled directly to the motor and will run silently, pump motor power shall be at least 1500s Watt, prewashing tank shall be of at least 50 liter volume and prewash water shall be at 35-40°C temperature, the washing tank shall be furnished with at least 6000 Watts stainless heaters supplying water at 50-55°C temperature with a minimum of 80 Liters volume, washing is arranged in such a way that clean washing is made with the arms mounted to the bottom and to the top in the closed cabin, there shall be a door in front of the machine for control and cleaning, the rinsing shall be made by pulverizing of the water at 80-85°C temperature obtained from a 12-L hot water tank with a at least 12000 Watts stainless steel heater, the machine shall be designed to work when the basket is in the machine, crumb strainers shall be placed in the prewashing and washing compartments to minimize the water pollution, a suction filter shall be placed on the pump suction line to arrest the contaminants passing through the strainer and overflow drainage systems shall be present, the conveyor shall be driven by a gearbox+motor group with 370 Watts power and 2 different speed levels, the nominal machine capacity shall be obtained at the lowest speed level. The feed water to the machine shall be at maximum 7Fr hardness, 2-4 bar pressure and 45-50°C temperature, 380 Volts, 50Hz. The supply, installation and delivery in working order of the dishwasher with electric panel, which allows the automatic operation of the machine to be mounted on the machine and fed from the electrical network, height adjustable legs, door safety and conveyor switches, heat and detergent resistant, three plate baskets, a fork-spoon basket and a cup basket made of detergent resistant plastic or plastic covered steel mesh. The fan used in the 5 kW heater of the drying tunnel shall have a blown, vented, drying system with a motor of at least 500 watts.</p>	30.997,24	543,66
25.615.1400	<p>2000 Plate/Hour Capacity, Fully Automated Dishwasher With Drying Tunnel                      Fully automated dishwasher with prewash, drying tunnel, other features as defined in 25.615.1300.</p>	33.753,66	543,66
25.617.1000	EXTRACTION HOOD (Unit: m)		
25.617.1100	<p><b>EXTRACTION HOOD, without filter (Made of Stainless Steel) AISI 304 Grade 18/8 Cr-Ni: (Unit: m):</b>                      All to be made of 18/8 stainless steel with 1 mm wall thickness, corner joints are made with Argon arc welding, welding places are to be cleaned in a way that there is no trace left, there shall be oil duct and a ball valve to take the oil. Installation of hood to the ceiling with steel dowels and plastic coated steel hanger ropes, hood to be delivered with the duct connections made.</p>		
25.617.1101	With 500 mm depth, without filter	370,50	63,00

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.617.1102	Wall type, with 1000 mm depth, without filter	1.241,79	81,90
25.617.1103	Wall type, with 1500 mm depth, without filter	1.586,49	94,50
25.617.1104	Medium type, with 2000 mm depth without filter	2.496,99	107,10
25.617.1105	Medium type, with 2500 mm depth without filter	2.970,99	126,00
25.617.1200	<b>EXTRACTION HOOD, with filter (Made of Stainless Steel) AISI 304 Grade 18/8 Cr-Ni: (Unit: m):</b> Installation of the extraction hood containing flame arrestor filters. Other features are as in unit item 25.617.1100.		
25.617.1201	Wall type, with 1000 mm depth, with filter	1.696,89	81,90
25.617.1202	Wall type, with 1500 mm depth, with filter	2.250,69	94,50
25.617.1203	Medium Type, 2000 deep, with filter	2.952,09	107,10
25.617.1204	Medium Type, 2500 mm deep, with filter	3.893,49	126,00
25.620.1200	<b>OIL TRAPS, AISI 304 Quality 18/8 Cr-Ni (Unit: Qty):</b> The supply and delivery in working order of oil separators in compliance with TS EN 1825-1, according to the technical characteristics and to the approved design, made of stainless steel material, corner joints made with Argon arc welding, welding places are to be cleaned in a way that there is no trace left, at the required size (according to the approved design), in places where there is no risk of frost exists suitable for use on the floor (indoor), with integrated sludge and particle retainer, with a valve for quick and easy opening and closing, odorless and leak-proof stainless steel lid, which ensures the release of sediment and oil to separate collection drums without opening the device. Capacity (L/s) Wall thickness (mm) Oil volume (L)		
25.620.1201	1 / min.1.5 / 47	3.912,14	145,88
25.620.1202	2 / min.1.5 / 80	5.104,66	194,50
25.620.1203	3 / min.1.5 / 135	7.013,05	243,13
25.620.1204	4 / min.2 / 160	9.189,58	291,75
25.620.1205	7 / min.3 / 350	13.571,49	340,38
25.620.1206	10 / min.3 / 500	18.613,91	389,00
25.620.2000	The cost to be added to pos. 25.620.1200 in case of using a solid waste oil separator with automatic unloading discharge (electrical control panel, motor with gearbox, electrical heater)	5.153,70	
25.622.1000	<b>REFRIGERATORS: (Unit: Pieces:)</b> Note: Shall be manufactured in compliance with the regulation 2014/35/EC on electrical equipment designed for use within certain voltage limits and Machine Safety Regulation (2006/42/AT)		
25.622.1100	<b>SHOWCASE REFRIGERATORS: (TS EN ISO 23953-2)</b> The supply and installation of the show case type refrigerators, useful capacity and engine power are given as follows: Doors and housing are double-walled, aluminum or Cr-Ni stainless steel interior and exterior, two-wall polyurethane-insulated, glasses of 4 mm thickness each, double glazing, leak-proof, Cr-Ni frame with adequate amount of stainless steel wire or aluminum grid shelves, with interior lighting. Tak Ekovat      Effective Volume      or Comp. Power		
25.622.1101	700 L                      0.25 kW	5.265,71	97,25
25.622.1102	800 L                      0.25 kW	6.288,90	111,84



**Kitchen and Laundry Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.622.1103	900 L 0.25 kW	6.761,45	131,29
25.622.1104	1000 L 0.25 kW	6.805,00	131,29
25.622.1105	1300 L 0.37 kW	6.895,88	145,88
25.622.1106	1400 L 0.37 kW	7.020,88	145,88
25.622.1200	<p><b>WAREHOUSE TYPE REFRIGERATION BOXES</b> External surfaces min.0.60 mm, inner surfaces min.0.50 mm, the bottom of the inner surface min.0.50 mm thick, Cr-Ni stainless steel sheet and the bottom of the inner surface sealed, (CFC-free) polyurethane of 40-45 kg/m<sup>3</sup> density injected between the internal-external walls to obtain a mono block body, the doors are fitted with a magnetic or cushion-type gasket, the height adjustable side rails and plastic coated at least three stainless steel shelves have to exist, a thermostat with multistage temperature adjustment, on/off switch, temperature indicator for the internal temperature, sufficient amount of air louver must be present under the refrigerator to provide air circulation at +43 C outer temperature and 65% relative humidity, the fan/condensed group should be protected in order not be exposed to any damage, CFC free refrigerant should be used in the cooling group and any protection should be provided. Warehouse-type Refrigerators with 4 stainless steel, adjustable pedestals in the corners at the bottom, which shall be capable of automatic defrosting, and evaporating or discharging to the drainage the evaporator fluid: The supply and installation of a undercounter refrigerator, internal temperature between -2/+ 8 C, cooling system of static or ventilator type, insulation thickness min. 50 mm, the number of doors and the approximate dimensions as given below.</p> <p align="center">Tak Ekovat      Effective Volume      or Comp. Power</p>		
25.622.1201	600 Liters min. 0.22 kW	5.016,06	97,00
25.622.1202	700 Liters min. 0.25 kW	5.458,75	100,00
25.622.1203	1200 Liters min. 0.7 kW	7.102,50	105,00
25.622.1204	1400 Liters min. 0.7 kW	7.774,06	110,00
25.622.1400	<p><b>Table type refrigerators</b> External surfaces min.0.60 mm, inner surfaces min.0.50 mm, upper table min.1.0 mm, the bottom of the inner surface min.0.50 mm thick, AISI 304 Grade 18\8 Cr-Ni stainless steel sheet and the bottom of the inner surface corners are TIG welded for tightness, (CFC-free) polyurethane of 40-45 kg/m<sup>3</sup> density injected between the internal-external walls to obtain a mono block body, the doors are fitted with a magnetic or cushion-type gasket, the door dimensions shall be as to take GN 1/1 pots and height adjustable side rails and plastic coated at least two stainless steel shelves have to exist, a thermostat with multistage temperature adjustment, on/off switch, temperature indicator for the internal temperature, sufficient amount of air louver must be present under the refrigerator to provide air circulation at +32°C outer temperature and 65% relative humidity, the fan/condensed group should be protected in order not be exposed to any damage, CFC free refrigerant should be used in the cooling group and any protection should be provided. Height adjustment components (ball joint) must be provided which can make automatic defrosting and which allow the evaporator water to evaporate or leave to drain must be provided in the lower corners of the cabinet which are made of hard plastic or rubber and can be mounted on the pipe or profile. Table type refrigerators: The supply and installation of a undercounter refrigerator, internal temperature between -2/+ 8°C, cooling system of static or ventilator type, insulation thickness min. 50 mm, the number of doors and the approximate dimensions as given below.</p>		

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.622.1401	2-door, min. 250 L	6.547,20	111,84
25.622.1402	3-door, min. 300 L	7.827,40	131,29
25.622.1403	4-door, min. 350 L	9.909,61	145,88
25.622.1500	<p><b>Table Type Deep Freezer:</b>                      The supply, installation and delivery in working order of the undercounter type deep freezer with digital thermostat control, -18/-22°C internal temperature, cooling system of static or ventilator type, electrical heaters to prevent the freezing of the door seals, automatic defrosting system, insulation thickness min. 50 mm, other features the same as in pos. 25.622.1400, the number of doors and approximate dimensions as given below.</p>		
25.622.1501	2-door, min. 250 L	8.884,20	111,84
25.622.1502	3-door, min. 300 L	10.902,40	131,29
25.622.1503	4-door, min. 350 L	12.529,51	145,88
25.625.1100	<p><b>COLD STORAGE ROOM DOORS (Unit: Qty.)</b>                      Supply and installation of cold storage room doors insulated with polyurethane with 40 kg/m³ density, equipped with a handle for opening the door from inside, and which can be installed with frames, or with or without sills. The doors shall be manufactured in compliance with TS EN 14509, the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking.</p>		
25.625.1101	Cold storage room door (painted)	1.180,00	130,00
25.625.1102	Stainless steel plating:	1.920,00	143,00
25.625.1103	Stainless steel-plated defrosting system (operating with 40 Volts) Minimum insulation thickness: 20 cm .	2.950,00	166,00
25.625.1200	8-cm-thickness, PVC-paneled or Polyester-painted cold storage room doors		
25.625.1201	70 x 170 cm, clear transition	1.920,00	119,00
25.625.1202	80 x 180 cm, clear transition	1.990,00	130,00
25.625.1203	90 x 190 cm, clear transition	2.060,00	143,00
25.625.1204	100 x 200 cm, clear transition	2.160,00	160,00
25.625.1205	110 x 200 cm, clear transition	2.210,00	169,00
25.625.1206	120 x 200 cm, clear transition	2.350,00	180,00
25.625.1207	130 x 200 cm, clear transition	2.450,00	186,00
25.625.1300	8-cm-thickness, chrome-plated cold storage room doors Unit prices with installation in the item 25.625.1200 shall be calculated with 20% increase.		
25.625.1400	12-cm-thickness, PVC-paneled or Polyester-coated cold storage room doors		
25.625.1401	70 x 170 cm, clear transition	2.070,00	143,00
25.625.1402	80 x 180 cm, clear transition	2.120,00	160,00
25.625.1403	90 x 190 cm, clear transition	2.250,00	178,00
25.625.1404	100 x 200 cm, clear transition	2.450,00	188,00
25.625.1405	110 x 200 cm, clear transition	2.540,00	203,00
25.625.1406	120 x 200 cm, clear transition	2.550,00	219,00
25.625.1407	130 x 200 cm, clear transition	2.640,00	226,00
25.625.1500	12-cm-thickness, chrome-plated cold storage room doors Unit prices with installation in the item 25.625.14000 shall be calculated with 20% increase.		

**Kitchen and Laundry Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.625.2000	<b>Modular Type Cold Chamber Panels (Unit: m<sup>2</sup>)</b> Supply to the work site and installation of modular type cold chamber panels with polyurethane insulation between galvanized sheet metal coated with 0.50-0.55-mm hygienic material on both sides, 40 to 42-kg/m <sup>3</sup> polyurethane used as insulation material, with polyurethane panels equipped with a locking mechanism with an eccentric hook to allow assembly and disassembly, where the heat transmission coefficient of polyurethane used for panel insulation is k: 0.22 Kcal/hm <sup>2</sup> °C and which shall be self-extinguishing as per the international standards. The panels shall be manufactured in compliance with TS EN 14509, the Regulation (EU) No.305/2011 Construction Products - CPR and released with a CE compliance marking.		
<b>25.625.2100</b>	<b>Wall panel with both surfaces PVC paneled or coated with Polyester paint</b>		
25.625.2101	8-cm-thickness, m <sup>2</sup>	207,00	23,60
25.625.2102	12-cm-thickness, m <sup>2</sup>	253,00	31,70
<b>25.625.2200</b>	<b>Wall panel with both surfaces chrome-plated</b>		
25.625.2201	8-cm-thickness, m <sup>2</sup>	354,00	43,40
25.625.2202	12-cm-thickness, m <sup>2</sup>	414,00	51,50
<b>25.625.2300</b>	<b>Ceiling panel with both surfaces PVC paneled or coated with Polyester paint</b>		
25.625.2301	8-cm-thickness	255,00	21,60
25.625.2302	12-cm-thickness	293,00	28,60
<b>25.625.2400</b>	<b>Ceiling panel with both surfaces chrome-plated</b>		
25.625.2401	8-cm-thickness	364,00	43,40
25.625.2402	12-cm-thickness	427,00	51,50
<b>25.625.2500</b>	<b>Flooring panel plywood-paneled interior surface</b>		
25.625.2501	8-cm-thickness	293,00	28,60
25.625.2502	12-cm-thickness	338,00	36,60
<b>25.625.2600</b>	<b>Flooring panel chrome-plated interior surface</b>		
25.625.2601	8-cm-thickness	355,00	35,70
25.625.2602	12-cm-thickness	427,00	47,40
25.625.3000	<b>Polyisocyanurate (PIR) insulated cold chamber panels (TS EN 14509)</b> Panels with both surfaces 0.60 mm thickness, coated with hygienic material, and polyisocyanurate between sheets of galvanized metal (Fire Reaction: min. B S2 d0, Polyisocyanurate density: min. 38-42 kg/m <sup>3</sup> , Sheet metal yield strength: min. 220 N/m <sup>2</sup> , made of min. 125 g/m <sup>2</sup> galvanized sheet metal, exterior surface coated with 20 microns of polyester finish on 5 microns of epoxy primer (factory-coated with roller painting system), surfaces exposed to polyisocyanurate shall be coated with 5 microns of epoxy primer), with eccentric hook locking mechanism which can be assembled and disassembled, max. heat transmission coefficient (TS EN 12667) of $\lambda = 0.022$ W/m.K. The panels shall be manufactured as per TS EN 14509, compliant with Regulation (EU) No.305/2011 Construction Products - CPR, and released with the CE compliance marking.		
<b>25.625.3100</b>	<b>Both surfaces coated with polyester paint</b>		
25.625.3101	With 80-mm filling	204,00	38,00
25.625.3102	With 100-mm filling	225,00	40,50
25.625.3103	With 120-mm filling	244,00	44,30
25.625.3104	With 150-mm filling	277,00	48,10

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.625.3105	With 200-mm filling	313,00	51,00
<b>25.625.3200</b>	<b>Both surfaces paneled with PVC laminated sheet metal</b>		
25.625.3201	With 80-mm filling	234,00	38,00
25.625.3202	With 100-mm filling	247,00	40,50
25.625.3203	With 120-mm filling	265,00	44,30
25.625.3204	With 150-mm filling	295,00	48,10
25.625.3205	With 200-mm filling	346,00	51,00
<b>25.625.3300</b>	<b>Both surfaces chrome-plated</b>		
25.625.3301	With 80-mm filling	417,00	38,00
25.625.3302	With 100-mm filling	440,00	40,50
25.625.3303	With 120-mm filling	474,00	43,10
25.625.3304	With 150-mm filling	497,00	44,30
25.625.3305	With 200-mm filling	538,00	51,00
<b>25.625.3400</b>	<b>One surface coated with polyester paint, and the other plated with chrome</b>		
25.625.3401	With 80-mm filling	320,00	38,00
25.625.3402	With 100-mm filling	340,00	40,50
25.625.3403	With 120-mm filling	378,00	43,10
25.625.3404	With 150-mm filling	415,00	44,30
25.625.3405	With 200-mm filling	438,00	51,00
<b>25.625.3500</b>	<b>One surface coated with polyester paint, and the other surface PVC-paneled</b>		
25.625.3501	With 80-mm filling	243,00	38,00
25.625.3502	With 100-mm filling	262,00	40,50
25.625.3503	With 120-mm filling	279,00	44,30
25.625.3504	With 150-mm filling	310,00	48,10
25.625.3505	With 200-mm filling	333,00	51,00
<b>25.625.3600</b>	<b>One surface chrome-plated, and the other surface PVC-paneled</b>		
25.625.3601	With 80-mm filling	363,00	38,00
25.625.3602	With 100-mm filling	384,00	40,50
25.625.3603	With 120-mm filling	401,00	44,30
25.625.3604	With 150-mm filling	465,00	48,10
25.625.3605	With 200-mm filling	496,00	51,00
25.627.1000	<p><b>PACKAGE-TYPE COLD STORAGE DEVICE (Unit: Qty.)</b>                      The cooling gas installation, electrical installation, electrical panel, control panel, compressor, condenser and fan motor shall be together in the condenser unit, paneled with a galvanized material coated with electrostatic paint to prevent visibility from outside; the external cabinets of the evaporator unit and the condenser unit shall be galvanized, visible surfaces shall be coated with electrostatic paint, and an air-cooled condenser shall be used in the modular cold storage device; the fin spacing shall be 6 to 8 mm for the evaporator and 2 to 3 mm for the condenser; the cold storage device shall be equipped with a digital cable remote control panel and the device shall operate with a programmable microprocessor; the cold storage device shall have an audiovisual alarm system which shall issue an alarm if the room temperature fails to reach a preset value; the cold storage device shall protect the system against obstructions and overpollution by turning the device off by a high-pressure switch, and warn the user; the capacities of condensers and evaporators shall be selected to be compatible with the capacities to be chosen; and TSE-certified modular type cold storage devices shall be supplied to the work site and installed in working order with the piping system, thermometers and coolant fluids.</p>		

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.627.1100	Modular type cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -5°C/+5°C, and equipped with a hermetically-sealed compressor (+45°C condensation, -15°C evaporation)		
25.627.1101	(1000 kcal/h)	9.210,00	436,00
25.627.1102	(1500 kcal/h)	10.170,00	568,00
25.627.1103	(2000 kcal/h)	10.920,00	628,00
25.627.1104	(2500 kcal/h)	11.420,00	703,00
25.627.1105	(3000 kcal/h)	12.290,00	786,00
25.627.1106	(3500 kcal/h)	14.380,00	866,00
25.627.1107	(4000 kcal/h)	14.510,00	949,00
25.627.1108	(4500 kcal/h)	15.790,00	1.010,00
25.627.1109	(5000 kcal/h)	16.740,00	1.090,00
25.627.1110	(5500 kcal/h)	17.200,00	1.140,00
25.627.1111	(6000 kcal/h)	18.300,00	1.220,00
25.627.1112	(6500 kcal/h)	19.550,00	1.280,00
25.627.1113	(7000 kcal/h)	20.950,00	1.330,00
25.627.1114	(7500 kcal/h)	21.150,00	1.420,00
25.627.1115	(8000 kcal/h)	23.820,00	1.650,00
25.627.1116	(8500 kcal/h)	24.330,00	1.730,00
25.627.1117	(9000 kcal/h)	24.950,00	1.800,00
25.627.1118	(9500 kcal/h)	26.340,00	1.840,00
25.627.1119	(10000 kcal/h)	28.040,00	1.940,00
25.627.1120	(11000 kcal/h)	39.140,00	2.040,00
25.627.1121	(12000 kcal/h)	41.470,00	2.230,00
25.627.1122	(13000 kcal/h)	48.930,00	2.430,00
25.627.1123	(14000 kcal/h)	52.300,00	2.550,00
25.627.1124	(15000 kcal/h)	56.310,00	2.660,00
25.627.1125	(20000 kcal/h)	64.320,00	2.800,00
25.627.1126	(25000 kcal/h)	70.470,00	3.640,00
25.627.1127	(30000 kcal/h)	79.140,00	4.820,00
25.627.1128	(35000 kcal/h)	83.660,00	4.820,00
25.627.1129	(40000 kcal/h)	86.830,00	4.820,00
25.627.1130	(45000 kcal/h)	93.430,00	4.820,00
25.627.1131	(50000 kcal/h)	98.760,00	4.820,00
25.627.1200	Modular type cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -5°C/+5°C, and equipped with a semi-hermetically-sealed compressor (+45°C condensation, -15°C evaporation)		
25.627.1201	(1000 kcal/h)	15.200,00	1.840,00
25.627.1202	(1500 kcal/h)	16.450,00	1.840,00
25.627.1203	(2000 kcal/h)	17.440,00	1.840,00
25.627.1204	(2500 kcal/h)	19.640,00	1.840,00
25.627.1205	(3000 kcal/h)	20.910,00	1.840,00
25.627.1206	(3500 kcal/h)	21.060,00	1.840,00
25.627.1207	(4000 kcal/h)	24.400,00	1.840,00
25.627.1208	(4500 kcal/h)	27.130,00	1.840,00
25.627.1209	(5000 kcal/h)	27.190,00	1.840,00

**Kitchen and Laundry Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.627.1210	(5500 kcal/h)	28.290,00	1.840,00
25.627.1211	(6000 kcal/h)	29.700,00	1.840,00
25.627.1212	(6500 kcal/h)	31.110,00	1.840,00
25.627.1213	(7000 kcal/h)	33.780,00	1.840,00
25.627.1214	(7500 kcal/h)	35.900,00	2.020,00
25.627.1215	(8000 kcal/h)	37.040,00	2.020,00
25.627.1216	(8500 kcal/h)	39.010,00	2.190,00
25.627.1217	(9000 kcal/h)	39.320,00	2.190,00
25.627.1218	(9500 kcal/h)	42.820,00	2.190,00
25.627.1219	(10000 kcal/h)	43.000,00	2.190,00
25.627.1220	(11000 kcal/h)	44.710,00	2.190,00
25.627.1221	(12000 kcal/h)	47.120,00	2.190,00
25.627.1222	(12500 kcal/h)	47.320,00	2.380,00
25.627.1223	(13000 kcal/h)	47.950,00	2.380,00
25.627.1224	(14000 kcal/h)	48.500,00	2.380,00
25.627.1225	(15000 kcal/h)	52.140,00	2.560,00
25.627.1226	(17500 kcal/h)	53.940,00	2.750,00
25.627.1227	(20000 kcal/h)	63.100,00	2.950,00
25.627.1228	(25000 kcal/h)	68.910,00	3.280,00
25.627.1229	(30000 kcal/h)	77.300,00	3.650,00
25.627.1230	(35000 kcal/h)	80.800,00	4.190,00
25.627.1231	(40000 kcal/h)	92.040,00	4.570,00
25.627.1232	(45000 kcal/h)	100.300,00	4.890,00
25.627.1233	(50000 kcal/h)	108.400,00	5.440,00
25.627.1300	Modular type Cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -5°C/+5°C, and equipped with a scroll compressor (+45°C condensation, -15°C evaporation)		
25.627.1301	(1000 kcal/h)	14.020,00	1.840,00
25.627.1302	(1500 kcal/h)	15.160,00	1.840,00
25.627.1303	(2000 kcal/h)	16.060,00	1.840,00
25.627.1304	(2500 kcal/h)	18.690,00	1.840,00
25.627.1305	(3000 kcal/h)	19.890,00	1.840,00
25.627.1306	(3500 kcal/h)	20.920,00	1.840,00
25.627.1307	(4000 kcal/h)	22.550,00	1.840,00
25.627.1308	(4500 kcal/h)	25.540,00	1.840,00
25.627.1309	(5000 kcal/h)	25.760,00	1.840,00
25.627.1310	(5500 kcal/h)	28.230,00	1.840,00
25.627.1311	(6000 kcal/h)	29.640,00	1.840,00
25.627.1312	(6500 kcal/h)	30.870,00	1.840,00
25.627.1313	(7000 kcal/h)	33.250,00	1.840,00
25.627.1314	(7500 kcal/h)	35.410,00	2.020,00
25.627.1315	(8000 kcal/h)	37.250,00	2.020,00
25.627.1316	(8500 kcal/h)	38.180,00	2.190,00
25.627.1317	(9000 kcal/h)	39.100,00	2.190,00
25.627.1318	(9500 kcal/h)	40.710,00	2.190,00
25.627.1319	(10000 kcal/h)	43.270,00	2.190,00
25.627.1320	(11000 kcal/h)	46.720,00	2.190,00

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.627.1321	(12000 kcal/h)	47.980,00	2.190,00
25.627.1322	(12500 kcal/h)	51.480,00	2.380,00
25.627.1323	(13000 kcal/h)	51.650,00	2.380,00
25.627.1324	(14000 kcal/h)	51.720,00	2.380,00
25.627.1325	(15000 kcal/h)	53.720,00	2.560,00
25.627.1326	(17500 kcal/h)	54.300,00	2.750,00
25.627.1327	(20000 kcal/h)	67.990,00	2.950,00
25.627.1328	(25000 kcal/h)	74.530,00	3.280,00
25.627.1329	(30000 kcal/h)	86.480,00	3.650,00
25.627.1330	(35000 kcal/h)	91.660,00	4.190,00
25.627.1331	(40000 kcal/h)	103.100,00	4.570,00
25.627.1332	(45000 kcal/h)	112.100,00	4.890,00
25.627.1333	(50000 kcal/h)	127.300,00	5.440,00
25.627.1334	Modular type cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -15°C/-25°C, and equipped with a hermetically-sealed compressor (+45°C condensation, -30°C evaporation)		
25.627.1400	(1000 kcal/h)	13.780,00	436,00
25.627.1401	(1500 kcal/h)	13.910,00	568,00
25.627.1402	(2000 kcal/h)	15.340,00	628,00
25.627.1403	(2500 kcal/h)	16.750,00	703,00
25.627.1404	(3000 kcal/h)	17.470,00	786,00
25.627.1405	(3500 kcal/h)	19.010,00	866,00
25.627.1406	(4000 kcal/h)	20.960,00	949,00
25.627.1407	(4500 kcal/h)	23.430,00	1.010,00
25.627.1408	(5000 kcal/h)	23.930,00	1.090,00
25.627.1409	(5500 kcal/h)	25.330,00	1.140,00
25.627.1410	(6000 kcal/h)	27.340,00	1.220,00
25.627.1411	(6500 kcal/h)	28.040,00	1.280,00
25.627.1412	(7000 kcal/h)	29.570,00	1.330,00
25.627.1413	(7500 kcal/h)	29.620,00	1.420,00
25.627.1414	(8000 kcal/h)	30.340,00	1.500,00
25.627.1415	(8500 kcal/h)	31.730,00	1.560,00
25.627.1416	(9000 kcal/h)	33.330,00	1.640,00
25.627.1417	(9500 kcal/h)	34.980,00	1.660,00
25.627.1418	(10000 kcal/h)	35.950,00	1.750,00
25.627.1419	(11000 kcal/h)	37.410,00	1.850,00
25.627.1420	(12000 kcal/h)	42.780,00	2.020,00
25.627.1421	(13000 kcal/h)	44.620,00	2.190,00
25.627.1422	(14000 kcal/h)	46.080,00	2.320,00
25.627.1423	(15000 kcal/h)	57.180,00	2.430,00
25.627.1424	(20000 kcal/h)	61.690,00	2.560,00
25.627.1425	(25000 kcal/h)	65.390,00	3.280,00
25.627.1426	(30000 kcal/h)	76.560,00	4.370,00
25.627.1427	(35000 kcal/h)	88.710,00	4.370,00
25.627.1428	(40000 kcal/h)	97.850,00	4.370,00
25.627.1429	(45000 kcal/h)	102.400,00	4.370,00

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.627.1430	(50000 kcal/h)	122.700,00	4.370,00
25.627.1500	Modular type cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -15°C/-25°C, and equipped with a semi-hermetically-sealed compressor (+45°C condensation, -30°C evaporation)		
25.627.1501	(1000 kcal/h)	18.110,00	1.840,00
25.627.1502	(1500 kcal/h)	22.820,00	1.840,00
25.627.1503	(2000 kcal/h)	24.880,00	1.840,00
25.627.1504	(2500 kcal/h)	27.330,00	1.840,00
25.627.1505	(3000 kcal/h)	29.590,00	1.840,00
25.627.1506	(3500 kcal/h)	31.820,00	1.840,00
25.627.1507	(4000 kcal/h)	33.600,00	1.840,00
25.627.1508	(4500 kcal/h)	35.650,00	1.840,00
25.627.1509	(5000 kcal/h)	34.820,00	1.840,00
25.627.1510	(5500 kcal/h)	39.140,00	1.840,00
25.627.1511	(6000 kcal/h)	41.340,00	1.840,00
25.627.1512	(6500 kcal/h)	41.910,00	1.840,00
25.627.1513	(7000 kcal/h)	42.980,00	1.840,00
25.627.1514	(7500 kcal/h)	44.430,00	2.020,00
25.627.1515	(8000 kcal/h)	46.510,00	2.020,00
25.627.1516	(8500 kcal/h)	48.200,00	2.190,00
25.627.1517	(9000 kcal/h)	51.990,00	2.190,00
25.627.1518	(9500 kcal/h)	52.590,00	2.190,00
25.627.1519	(10000 kcal/h)	58.780,00	2.190,00
25.627.1520	(11000 kcal/h)	61.290,00	2.190,00
25.627.1521	(12000 kcal/h)	62.190,00	2.190,00
25.627.1522	(12500 kcal/h)	69.030,00	2.380,00
25.627.1523	(13000 kcal/h)	70.280,00	2.380,00
25.627.1524	(14000 kcal/h)	72.100,00	2.380,00
25.627.1525	(15000 kcal/h)	76.550,00	2.560,00
25.627.1526	(17500 kcal/h)	79.400,00	2.750,00
25.627.1527	(20000 kcal/h)	88.190,00	2.950,00
25.627.1528	(25000 kcal/h)	110.500,00	3.280,00
25.627.1529	(30000 kcal/h)	120.400,00	3.650,00
25.627.1530	(35000 kcal/h)	135.000,00	4.190,00
25.627.1531	(40000 kcal/h)	154.000,00	4.570,00
25.627.1532	(45000 kcal/h)	168.300,00	4.890,00
25.627.1533	(50000 kcal/h)	183.000,00	5.440,00
25.627.1600	Modular type cold storage room device using R-404A gas in its cooling installation, operating at the temperature range of -15°C / -25°C, and equipped with a scroll compressor (+45°C condensation, -30°C evaporation)		
25.627.1601	(1000 kcal/h)	15.610,00	1.840,00
25.627.1602	(1500 kcal/h)	22.130,00	1.840,00
25.627.1603	(2000 kcal/h)	24.750,00	1.840,00
25.627.1604	(2500 kcal/h)	29.240,00	1.840,00
25.627.1605	(3000 kcal/h)	32.570,00	1.840,00
25.627.1606	(3500 kcal/h)	33.820,00	1.840,00



### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.627.1607	(4000 kcal/h)	34.200,00	1.840,00
25.627.1608	(4500 kcal/h)	35.050,00	1.840,00
25.627.1609	(5000 kcal/h)	37.000,00	1.840,00
25.627.1610	(5500 kcal/h)	40.440,00	1.840,00
25.627.1611	(6000 kcal/h)	43.630,00	1.840,00
25.627.1612	(6500 kcal/h)	45.700,00	1.840,00
25.627.1613	(7000 kcal/h)	48.140,00	1.840,00
25.627.1614	(7500 kcal/h)	50.000,00	1.840,00
25.627.1615	(8000 kcal/h)	53.640,00	2.020,00
25.627.1616	(8500 kcal/h)	54.010,00	2.190,00
25.627.1617	(9000 kcal/h)	55.210,00	2.190,00
25.627.1618	(9500 kcal/h)	55.430,00	2.190,00
25.627.1619	(10000 kcal/h)	63.080,00	2.190,00
25.627.1620	(11000 kcal/h)	63.240,00	2.190,00
25.627.1621	(12000 kcal/h)	66.950,00	2.190,00
25.627.1622	(12500 kcal/h)	74.960,00	2.400,00
25.627.1623	(13000 kcal/h)	75.180,00	2.400,00
25.627.1624	(14000 kcal/h)	75.900,00	2.400,00
25.627.1625	(15000 kcal/h)	86.740,00	2.400,00
25.627.1626	(17500 kcal/h)	91.280,00	2.750,00
25.627.1627	(20000 kcal/h)	92.080,00	2.950,00
25.627.1628	(25000 kcal/h)	126.800,00	3.280,00
25.627.1629	(30000 kcal/h)	147.100,00	3.650,00
25.627.1630	(35000 kcal/h)	169.900,00	4.190,00
25.627.1631	(40000 kcal/h)	193.100,00	4.570,00
25.627.1632	(45000 kcal/h)	216.500,00	4.890,00
25.627.1633	(50000 kcal/h)	246.400,00	5.440,00

**Kitchen and Laundry Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.630.1000	<p><b>LAUNDRY WASHING MACHINE, FULLY AUTOMATED: (Unit: Pieces.)(TS EN ISO 10472-2)</b>            Shall be introduced to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. The machine will have capacity to divide the tumbler volume by 10. Exterior coating, all surfaces that come into contact with the laundry and water, observation port with glass shall be of AISI 304 Grade 18/8 Cr-Ni stainless steel, the under frame shall be of at least 3 mm. thick, anticorrosion painted, black DKP steel plate or profile. The machine shall have a safety system to prevent the opening of the unloading hatch while the machine is working, washing will be monitored during the washing process by fitting a glass to the hatch and water tightness shall be ensured by way of a gasket. With the belt drive system, the washing shall be done at 25-60 RPM and the tumbling at 50/110RPM capable to spin in two stages, the high tumbling speed shall be to meet at least <math>G=300</math> value. (<math>G=0.558 \times Dt \times Nt^2 / 1,000,000</math> according to DIN 11901 <math>Dt =</math> Tumbler diameter mm, <math>Nt^2=</math>fast tumbling speed in square). There shall be at least 15 fixed washing + tumbling programs and at least 15 customizable programs prepared on the touch screen microprocessor control panel on the machine. To be supplied, installed delivered in working order with water level switch with at least two different water levels to be adjusted automatically, at least three-chamber detergent unit made of polyester and Cr-Ni stainless steel, discharge system to discharge excessive water and foam, a system to prevent the vibration and imbalance, machine shaft with ceramic or stainless steel bushings or with hard chrome plating against corrosion and supported in at least roll bearings at the back of the machine and having Viton seals, can be connected to liquid detergent dosing system, with electric/steam heating option, capable to do the intake and discharge of steam, hot water, cold water automatically, furnished with control panel</p>		
25.630.1200	CR-Ni or Polyester exterior panel, with steam heating system		
25.630.1201	For 20 kg/round capacity	31.190,64	309,03
25.630.1202	For 30 kg/round capacity	38.054,44	417,66
25.630.1203	For 40 kg/round capacity	45.157,70	540,68
25.630.1204	For 50 kg/round capacity	51.289,90	589,30
25.630.1205	For 60 kg/round capacity	74.450,23	637,93
25.630.1300	CR-Ni or Polyester exterior panel, with electric heating system		
25.630.1301	For 20 kg/round capacity	32.553,41	309,03
25.630.1302	For 30 kg/round capacity	40.243,60	417,66
25.630.1303	For 40 kg/round capacity	44.944,43	540,68
25.630.1304	For 50 kg/round capacity	52.881,18	589,30
25.630.1305	For 60 kg/round capacity	92.879,49	637,93

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.630.2000	<p><b>LAUNDRY WASHING AND TUMBLING MACHINE (Unit: Pieces)</b>            Shall be introduced to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. The machine will have capacity to divide the tumbler volume by 10. Exterior coating, all surfaces that come into contact with the laundry and water, observation port with glass shall be of AISI 304 Grade 18/8 Cr-Ni stainless steel, the under frame shall be of at least 3 mm. thick, anticorrosion painted, black DKP steel plate or profile. The machine shall have a safety system to prevent the opening of the unloading hatch while the machine is working, washing will be monitored during the washing process by fitting a glass to the hatch and water tightness shall be ensured by way of a gasket. With the belt drive system, the washing shall be done at 25-60 RPM and the tumbling at 50/110RPM capable to spin in two stages, the high tumbling speed shall be to meet at least <math>G=300</math> value. (<math>G=0.558 \times Dt \times Nt^2 / 1,000,000</math> according to DIN 11901 <math>Dt</math> = tumbler diameter mm, <math>Nt^2</math>=fast tumbling speed in square). There shall be at least 15 fixed washing + tumbling programs and at least 15 customizable programs prepared on the touch screen microprocessor control panel on the machine. To be supplied, installed delivered in working order with water level switch with at least two different water levels to be adjusted automatically, at least three-chamber detergent unit made of polyester and Cr-Ni stainless steel, discharge system to discharge excessive water and foam, a system to prevent the vibration and imbalance, machine shaft with ceramic or stainless steel bushings or with hard chrome plating against corrosion and supported in at least roll bearings on the right hand side and left hand side of the machine and having Viton seals, can be connected to liquid detergent dosing system, with electric/steam heating option, capable to do the intake and discharge of steam, hot water, cold water automatically, suitable for the purpose of hygienic washing, at 20 and 40 kg capacities hygiene for the purpose of washing, shall have single or double inlet-outlet tumbler hatches for 20 and 40 kg capacities, double inlet double outlet tumbler hatches for 60 kg capacity. The supply, installation and delivery in working order of the machine with the control panel, which is suitable for the panel assembly that separates the clean and dirty part from each other, in the work place.</p>		
25.630.2100	Automatic washing and tumbling machine with hygienic barrier, DKP exterior panel, steam heating system.		
25.630.2101	For 20 kg/round capacity	58.500,33	309,03
25.630.2102	For 40 kg/round capacity	77.969,18	540,68
25.630.2103	For 60 kg/round capacity Note: 8% price difference is paid if the machine heating system is electric	121.448,53	637,93
25.630.2200	Automatic washing and tumbling machine with hygienic barrier, Cr-Ni or polyester exterior panel, steam heating system.		
25.630.2201	For 20 kg/round capacity	63.900,03	309,03
25.630.2202	For 40 kg/round capacity	84.475,88	540,68
25.630.2203	For 60 kg/round capacity Note: 8% price difference is paid if the machine heating system is electric	125.507,53	637,93

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.632.1000	<p><b>LAUNDRY DRYING MACHINES: (Unit: Pieces)</b>            Shall be released to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety, in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits and the standard (TS EN ISO 10472-4). With electric, steam or gas drying system. There will be an electronic control panel with at least 3 programs on the machine and the machine will perform its functions according to the programs in this control panel. The motor of the machine will be driven by an inverter. The machine shall have a safety system to stop the machine while the machine is working, drying will be monitored during the drying process by fitting a glass to the hatch and air tightness shall be ensured by way of a gasket. The machine will carry out the drying operations between 25-75 rpm. The machine will have 1 fan and particle filter to expel the moisture from the drying clothes. The supply and installation of the drying machine with thermal losses prevented by the body insulation, the humidity of the clothes dried and the drying temperature can be measured from the exhaust.</p>		
25.632.1001	The tumble dryer, with steam: 20 kg/hour, with the tumbler volume of 400 L.	17.478,60	309,03
25.632.1002	The tumble dryer, with steam: 30 kg/hour, with the tumbler volume of 400 L.	19.186,24	417,66
25.632.1003	The tumble dryer, Limit heated with the LPG: 20 kg/hour with the tumbler volume of 400 L.	18.770,10	309,03
25.632.1004	The tumble dryer, Limit heated with the LPG: 30 kg/hour the tumbler volume of 600 L.	20.637,64	417,66
25.632.1005	The tumble dryer, electrical, 20 kg/hour, with the tumbler volume of 400 L	17.872,20	309,03
25.632.1006	The tumble dryer, electrical, 30 kg/hour, with the tumbler volume of 600 L	19.567,54	417,66
25.632.1007	The tumble dryer, with steam: 40 kg/hour, with the tumbler volume of 800 L	25.946,33	540,68
25.632.1008	The tumble dryer, with steam: 60 kg/hour, with the tumbler volume of 1200 L	31.492,48	637,93
25.632.1009	The tumble dryer, electrical, 40 kg/hour, with the tumbler volume of 800 L	27.151,73	540,68
25.632.1010	The tumble dryer, electrical, 60 kg/hour, with the tumbler volume of 1200 L	33.087,79	637,93
25.632.1011	The tumble dryer, with steam: 80 kg/hour, with the tumbler volume of 1500 L	68.503,83	686,55

**Kitchen and Laundry Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.632.2000	<p><b>COMBI WASHIN, TUMBLING AND DRYING MACHINE: (Unit: Pieces)</b>            Shall be introduced to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. With the below given quantity of the laundry washed and dried at once, duplex, lower part the washing machine, upper part the drying machine, both parts can be operated at the same time or separately, for the washing part, the inner tumbler volume has 1/10 loading ratio, when the inner and outer tumbler as well as the sight glass are open, the machine does not start, with the belt driven system, the washing speed is approximately 25-60 RPM and the tumbling speed is 50/110 RPM tumbling at least in 2 stages, the higher tumbling speed must meet at least the value <math>G=300</math> (<math>G= 0.558 \times Dt \times Nt^2/1,000,000</math> TRY) There shall be at least 15 fixed washing + tumbling programs and 10 customizable programs prepared on the touch screen microprocessor control panel on the machine. The supply and installation of the washing and drying machine, water level switch can be used to adjust at least two different water levels automatically, injection molded plastic detergent unit, shock absorber and 360 degree movable base system with vibration and balancing device, at the back of the machine with at least 2 bearings and corrosion resistant ceramic covered machine shaft with viton rubber seals, which can be connected to the liquid detergent dosing system; For drying section, can dry tumbled laundry in the lower unit at once, heating with stainless steel heaters placed on the machine, with touchscreen control panel on it, 1/20 loading ratio with emergency stop button to stop the motor in emergency situations, with temperature adjustment, remaining time, adjustment machine in the workplace supply and installation, washing machine kW drying machine kW Combi 10 x 10 = 7.5 kW Combi 10 x 10 = 9.0 kW Combi 15 x 15 = 9.0 kW Combi 15 x 15 = 12.0 kW Combi 20 x 20 = 12.0 kW Combi 20 x 20 = 18.0 kW</p>		
25.632.2100	Combi laundry washing - tumbling and drying machine, DKP exterior panel, electrical heating system.		
25.632.2101	10 x 10 Combi Washing, Tumbling and Drying Machine	39.767,43	309,03
25.632.2102	15 x 15 Combi Washing, Tumbling and Drying Machine	44.751,20	343,28
25.632.2103	20 x 20 Combi Washing, Tumbling and Drying Machine	49.727,20	391,90
25.632.2200	Combi washing, tumbling and drying machine, Cr-Ni or Polyester outer panel, electrical heating system.		
25.632.2201	10 x 10 Combi Washing, Tumbling and Drying Machine	42.657,93	309,03
25.632.2202	15 x 15 Combi Washing, Tumbling and Drying Machine	47.395,70	343,28
25.632.2203	20 x 20 Combi Washing, Tumbling and Drying Machine	53.085,10	391,90

**Kitchen and Laundry Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.635.1000	<p><b>CYLINDER IRONING MACHINES: (Size: Name) (TS EN ISO 10472-5)</b>                      Shall be introduced to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. The supply and installation of the ironing machines with the below given length and diameter, padded cylinder, after being suitably processed at least 2.5 mm thick 18/8 Cr-Ni cylinder bed and steam heater, condensate separator, steam valve, autoblocking endless screw, belt or chain driven motion mechanism to adjust the cylinder pressure, to lower and to lift the cylinder, the motion motor and the steam aspirator with sufficient capacity of which powers are given below, the safety device to automatically stop the engine when the hand gets stuck, the laundry feeding case and laundry removal tray made of non-corroding material, the mechanism to provide the motion back and forth, ironing machine steam or LPG heated, with solenoid valve and thermostat, including the fuses, switch and waterproof panel.</p>		
25.635.1100	Cylinder ironing machine, with steam: Movement Aspirator Cylinder Ø Size Motor Power Motor Power		
25.635.1101	320 mm. 1800 mm. 0.75 kW 0.37 kW	21.332,06	317,51
25.635.1102	450 mm. 2100 mm. 1.50 kW 0.75 kW	28.339,39	440,53
25.635.1200	Cylinder ironing machine, with LPG. Movement Aspirator Cylinder Ø Size Motor Power Motor Power		
25.635.1201	320 mm 1800 mm. 0.75 kW 0.37 kW	23.607,56	317,51
25.635.1202	450 mm 2100 mm. 1.50 kW 0.75 kW	28.696,09	440,53
25.635.2000	<p><b>CYLINDER IRONING MACHINE (Unit: Pieces)</b>                      Shall be released to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. The supply and installation of the ironing machine with the below given length and diameter, coated against corrosion with a protection material, heat and wear resistant surface of the cylinder covered with Nomex (at least 4 mm thick, resistant to 200°C K-435 polyester), equipped with speed adjustment and finger protection system, humidity and steam collector hood, steam system or electrical heating system, furnished with a steam jet, with manual operating lever to remove the laundry from the machine in case of power failures, having laundry feeding case or tray at the same length with the cylinder, together with the control panel. The certificate of warranty shall be authenticated by the Ministry of Science, Industry and Technology and the certificate for After Sales Service Qualification shall exist.</p>		
25.635.2100	Steam Heating System (at 4-10 ops pressure) Cylinder Diameter Ø mm. Length mm		
25.635.2101	500 - 550 1500	23.097,13	440,53
25.635.2102	550 - 600 1800	26.053,48	489,15
25.635.2103	550 - 600 2000	29.806,85	537,78
25.635.2104	750 - 850 2000	49.926,63	586,40
25.635.2105	750 - 850 2500	57.018,81	709,41

### Kitchen and Laundry Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.635.2106	850 - 950 3000	71.446,14	758,04
25.635.2107	1000 - 1200 3000	95.418,26	806,66
25.635.2200	Electrical heating system Cylinder Cylinder Resistance Diameter Ømm Length mm Strength of Least		
25.635.2201	320 1800 12 kW	23.521,46	317,51
25.635.2202	500 - 550 1500 16 kW	25.201,65	440,53
25.635.2203	550 - 650 1800 22 kW	29.903,95	440,53
25.635.2204	550 - 650 2000 22 kW	33.105,64	440,53
25.635.2205	750 2000 24 kW	49.200,93	586,40
25.635.2206	750 2500 35 kW	56.268,51	709,41
25.635.2300	<p><b>PRESS IRONING MACHINE: (Unit: Pieces)</b>            Shall be released to the market fulfilling the requirements set out under the heading Market Introduction and Putting Into Service (Chapter II, Article 5-(1)) of the Directive (2006/42/EC) Machinery Safety and in compliance with the Directive (2014/35/EC) Electrical Equipment Designed for Specific Voltage Limits. Shall work with at least 2 atmospheres pressure steam.</p> <p>The supply and installation of the press ironing machine, upper ironing claw made of cast aluminum, steam pocket, cast iron lower cushion, tops of the claws made of perforated stainless sheet woven with perforated cotton and calico cushion, at least 0.25 kW aspirator for dehumidifying the laundry being ironed, foot pedals to control the aspirator, to lock/unlock the upper claw to/from the lower cushion, hand-operated steam valve and lever for steam injection from the top cushion, chassis made of profile black sheet metal and painted, flexible hoses for steam and condensate connections, table made of formica-coated chipboard or plywood, (The width of the ironing pad shall be approximately 20 cm at the narrow end, 40 cm at the wide place and 120 cm long.)</p>		
25.635.2301	<p><b>Electric Heated Steam Generator, Manual Press Iron: (Unit: Pieces.)</b> Supply and installation of the press iron with length min. 1130 mm, narrow end of min.250 mm, wide end of min.345 mm in size, with upper and lower jaw complete aluminum, min. 0.8 mm perforated plate covered with non-flammable ironing cloth, pressure-controlled, foot control pedals for the locking and unlocking the lower cushion of the upper jaw; hand-operated steam valve and lever for steam spraying from the top cushion; chassis made of profile black sheet metal and painted, flexible hose for steam and condensate connections, vacuum motor and min 20 kW electric steam generator and condensate group with intermediate connections. Note: In the case of automatic electric self-steam generator, unit price including the installation will be paid up to 15% without increasing the installation costs.</p>	27.864,50	97,25
25.635.2302	<p><b>Ironing Board With Built-In Boiler: (Unit: Pieces)</b>            The supply and installation of the ironing board with vacuum motor, min. dimensions 1150 x 380 x 240 mm, 220/380 Volts power, not affected by voltage fluctuations (including min. 3 L water volume and min. 3700 Watts electric heater, min, 5 kg/h capacity, min. 2 bar pressure steam generator and hand iron.</p>	8.885,60	97,25



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**HOSPITAL INSTALLATIONS  
UNIT PRICES AND DEFINITIONS**

2019



**Hospital Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.650.1100	<p><b>OXYGEN CYLINDER (Unit: Qty.; Materials on construction site: 80%)</b>                      The delivery of the steel cylinders in compliance with the standard TS EN ISO 9809-1-2, 50 L volume, refillable, seamless, hardened and tempered, with the valve protection cap, resistant to at least 150 atmosphere pressure, painted with oil paint in blue color, including all kinds of material and labor.</p>	1.260,00	19,30
25.650.1200	<p><b>ROD PIPE SET AND CONNECTION: (Unit: Qty.; Materials on construction site.: 80%)</b>                      The supply and on-site installation of the pipe set, 200 bar resistant, approximately 100 cm long spiral twisted, made of annealed electrolytic copper pipe, having bushings at both ends, (including collector pipe bushings), which do not allow the connection of the wrong cylinders, flexible ramp-cylinder and ramp-ramp connections, including all kind of materials and labor.</p>	224,00	35,70
25.650.1300	<p><b>COLLECTOR: (Unit: Set; Materials on construction site.: 80%)</b>                      The supply and on-site installation of the collector, connecting the cylinders with the automatic control and pressure reducing panel, manufactured from high pressure wrought brass, having 5 connection points for the connection of the gas cylinders and having a special design that does not allow the wrong connection of the cylinders, with check valves for each cylinder inlet, mounted on the wall and with a retainer, including all kinds of materials and labor.</p>	364,00	42,90
25.650.1400	<p><b>HIGH PRESSURE REDUCER: (Unit: Qty.; Materials on construction site.: 80%)</b>                      The supply and on-site installation of a panel in compliance with the standard TS EN ISO 7396-1 and the Directive (93/42/EEC) Medical Devices, the pressure control unit released with CE compliance marking, in compliance with the standard TS EN ISO 10524-2, primary network pressure reducers to be used to adjust the inlet pressure of 200 bar to a pressure of 20 bar, two high pressure gas shut-off valves, one low pressure and two high pressure manometers in compliance with the standard TS EN 837-1, high pressure pressurestat (set to 20 bar), one ramp changer inverter system and alarm panel with digital or led indicator that gives the visual and audio alarms.</p>	3.430,00	197,00
25.650.1500	<p><b>SECOND PRESSURE REDUCER: (Unit: Qty.; Materials on construction site.: 80%)</b>                      The supply and on-site installation of the second pressure reducing panel manufactured in compliance with the standard TS EN ISO 10524-2 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, with two pressure regulators, two manometers reducing the inlet pressure in the range of 8 - 10 bar to 4 bar and regulating, four valves, two safety valves, two check valves, one low pressure and one high pressure set contact manometer.</p>	894,00	95,00
25.650.1600	<p><b>ALARM SYSTEM: (Unit: Qty.; Materials on construction site: 80%)</b>                      The supply and on-site installation of an alarm system which is to be installed in the Oxygen center and other required places of the hospital and to warn the relevant persons with electric lamp signal in case the pressure in the Oxygen battery falls below a certain value (eg. 7 Atmospheres).</p>	1.210,00	77,50
25.650.2100	<p><b>VACUUM INSTALLATION VACUUM TANK: (Unit: Qty.; Materials on site: 80%)</b>                      The supply and on-site installation of a vacuum tank with required inner volume, resistant to at least (-0.9) atmosphere (negative) pressure, made of galvanized steel, with cleaning hatch, to be mounted on three legs or a ring, furnished with pipe and instrument connection points.</p>		

### Hospital Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.650.2101	200 L	1.430,00	104,00
25.650.2102	300 L	1.970,00	116,00
25.650.2103	400 L	2.490,00	116,00
25.650.2104	600 L	3.150,00	116,00
25.650.2200	<p><b>VACUUM PUMP: (Unit: Set; Materials on construction site: 80%).</b>                      The supply and on-site installation of two vacuum pumps in parallel, to obtain approximately between (-0.8) and (-0.9) atmosphere vacuum, one in operation the other on stand-by, with a vacuum pressurestat to be set between (-0.65) and (-0.70) atmosphere negative pressure and a vacuum relay, with the necessary (Pressurestat is paid separately from related unit prices.) (Pressurestat is paid separately from related unit prices.)</p>		
25.650.2201	2 pumps, each delivering air at 60 m <sup>3</sup> /h flow and (-0.5) atmosphere pressure:	22.140,00	207,00
25.650.3000	<b>NITROUS OXIDE INSTALLATION (Materials on construction site: 80%)</b>		
25.650.3100	<p><b>Nitrous Oxide Cylinder: (Unit: Qty.) (TS EN 13322-1-2)</b>                      The supply and installation of the cylinders for Nitrous Oxide filling, painted in green color, other features the same as pos. 670-000.</p>	1.140,00	
25.650.4100	<p><b>OXYGEN, VACUUM AND NITROUS OXIDE INTERMEDIATE VALVE: (Unit: Qty.; Materials on construction site: 80%)</b>                      The supply and mounting on the wall with dowel and brass screws of the valves to be used in Oxygen, vacuum and Nitrous Oxide installations, degreased and freed from harmful matters, tested to 30 atmosphere pressure, with an operating pressure of 12 atmosphere, having bushes at the inlet and outlet and a hand wheel for manual opening and closing.</p>		
25.650.4101	Ø8 mm (1/4")	90,00	9,65
25.650.4102	Ø10 mm (3/8")	115,00	9,65
25.650.4103	Ø15 mm (1/2")	122,00	9,65
25.650.4104	Ø18 mm (5/8")	135,00	9,65
25.652.1100	<p><b>Medical gas alarm panel (Unit: Qty.; Materials on construction site 80%)</b>                      The supply and on-site installation of medical gas alarm panel, manufactured in compliance with the standard TS EN 7396-1 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, with separate light indicators for each gas, giving signals by monitoring the gas flow in a zone in "normal" and "alarm" positions, monitoring the pressure levels in the service zones by means of pressure switches against the set values and, in case, giving audible and visual alarms for warning, microprocessor controlled.</p>		
25.652.1101	For 2 gases	1.550,00	143,00
25.652.1102	For 3 gases	1.870,00	203,00
25.652.1103	For 4 gases	2.090,00	243,00
25.652.1104	For 5 gases	2.340,00	280,00
25.652.1200	<p><b>Medical gas valve boxes (Unit: Qty.; Materials on construction site: 80%)</b>                      The supply and on-site installation of medical gas valve boxes manufactured in compliance with the standard TE EN ISO 7396-1 and the Directive ((93/42/EEC) on Medical Devices, released with CE compliance marking, in a box with oven-dried paint and a glass, locked door, with separate valves, lines and indicators for each gas, with pressure and vacuum switches.</p>		
25.652.1201	For 2 gases	1.350,00	183,00
25.652.1202	For 3 gases	1.650,00	226,00

### Hospital Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.652.1203	For 4 gases	1.940,00	251,00
25.652.1204	For 5 gases	2.370,00	289,00
25.652.1300	<p><b>Nitrous Oxide center (Unit: Qty.: Materials on site: 80%)</b>                      The supply and on-site installation of the Nitrous Oxide center manufactured in compliance with the standard TS EN 7396-1 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, with a control panel to send gas to the hospital installation by reducing the high pressure coming from the cylinders to the operating pressure, right and left group cylinder ramps, safety chain tube fasteners, collectors, flexible connections, safety valves, high pressure safety valve actuating in case of a pressure build-up in the pressure reducer, microprocessor controlled, transmitting information to the automation and computer systems, switching to the right and left groups automatically in sequence, incorporating all the necessary pressure regulators, safety valves, pressure indicators and alarms in order to feed the installation at the design pressure. Note: Excluding Nitrous Oxide cylinders</p>		
25.652.1301	2 x 3 + 1 x 3 cylinder system	15.300,00	1.380,00
25.652.1302	2 x 4 + 1 x 4 cylinder system	16.030,00	1.560,00
25.652.1303	2 x 5 + 1 x 5 cylinder system	17.550,00	1.660,00
25.652.1304	2 x 10 + 1 x 10 cylinder system	22.170,00	1.940,00
25.652.1400	<p><b>Medical air center (Unit: Set; Materials on construction site: 80%)</b>                      Complete with triple compressor group, automatic control panel, air tank, drier, filter group and pressure regulators, the control panel cutting-in or cutting-out the compressors in sequence or as much as necessary until sufficient pressure is built up. Manufactured in compliance with the standard TS EN ISO 7396-1 and the Directive (93/42/EEC) on Medical Devices, released with CE conformance marking, with automatic control panel, alarm, air tank, 3 pieces. The supply and installation of screw compressors (with system co-aging), filter group, dryer (compressed air driers while delivering air in European Pharmacopoeia Standards, also complying with International Breathable Air Standards) and regulators.</p>		
25.652.1401	3 x 35 m <sup>3</sup> /h (Tank = 500 L)	86.610,00	2.380,00
25.652.1402	3 x 40 m <sup>3</sup> /h (Tank = 500 L)	92.340,00	2.860,00
25.652.1403	3 x 60 m <sup>3</sup> /h (Tank = 2 x 500 L)	113.700,00	3.520,00
25.652.1404	3 x 110 m <sup>3</sup> /h (Tank = 2 x 1000 L)	138.400,00	4.420,00
25.652.1405	3 x 150 m <sup>3</sup> /h (Tank = 2 x 1000 L)	175.000,00	5.040,00
25.652.1500	<p><b>Medical vacuum center (Unit: Set; Materials on construction site: 80%)</b>                      The supply and on-site installation of the medical vacuum center manufactured in compliance with the standard TS EN ISO 7396-1 and the Directive (93/42/EEC) Medical Devices and released with CE compliance marking, with three pump groups, complete with automatic control panel, vacuum tank, bacterial filter and collection jar, the control panel to cut-in and cut-out the pumps in sequence or to the extent necessary, to ensure a sufficient vacuum level, vacuum tank, 3 pieces of pumps, accumulation pot and bacteria filter.</p>		
25.652.1501	3 x 40 m <sup>3</sup> /h (Tank = 500 L)	47.820,00	2.070,00
25.652.1502	3 x 60 m <sup>3</sup> /h (Tank = 500 L)	52.610,00	2.360,00
25.652.1503	3 x 100 m <sup>3</sup> /h (Tank = 500 L)	65.690,00	2.660,00

### Hospital Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.652.1504	3 x 160 m <sup>3</sup> /h (Tank = 1000 L)	95.050,00	3.520,00
25.652.1505	3 x 160 m <sup>3</sup> /h (Tank = 1000 L)	116.900,00	4.420,00
25.652.1600	<b>Anesthetic gas evacuation system (venturi type) (Unit: Set; Materials on construction site: 80%)</b> The supply and on-site installation of the anesthetic gas evacuation system manufactured in compliance with the standards TS EN ISO 7396-1, TS EN ISO 7396-2 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, designed specifically to extract from the patient exhalation circuit and to discharge the anesthetic gas, which is sucked at each gas evacuation socket where with a connection from the air supply line a venturi system creates vacuum, through the copper pipe line under the control of a flow regulator.	1.670,00	285,00
25.652.1700	<b>Anesthetic Gas Evacuation System With Electropump Type</b> The supply and on-site installation of the anesthetic gas evacuation systems manufactured in compliance with the standard TS EN ISO 7396-2 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, with lateral channel, discharging the gases from the gas evacuation system into the atmosphere by way of a blowing pump, switched on with a push button on the control panel, one running, one standby.		
25.652.1701	Anesthetic Gas Evacuation System With Electropump Type 30+30 m <sup>3</sup> /h	16.280,00	1.020,00
25.652.1702	Anesthetic Gas Evacuation System With Electropump Type 70+70 m <sup>3</sup> /h	20.240,00	1.150,00
25.652.1703	Anesthetic Gas Evacuation System With Electropump Type 100+100 m <sup>3</sup> /h	23.080,00	1.280,00
25.652.1704	Anesthetic Gas Evacuation System With Electropump Type 130+130 m <sup>3</sup> /h	32.060,00	1.420,00
25.652.1800	<b>Oxygen center: (Unit: Set; Materials on construction site: 80%)</b> The supply and on-site installation of the Oxygen center manufactured in compliance with the standard TS EN ISO 7396-1 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, with automatic control panel to reduce the incoming pressure from the cylinders to the operating pressure and sending to the system, rod pipe set, safety valve, safety alarm, cylinder fastening chain, cylinder separator, alarm system for the center, flexible connection between the cylinder ramps, combined cut-off valve and emergency socket, high pressure gas bleed valve, pressure gauges. Note: Except Oxygen cylinders		
25.652.1801	2 x 5 + 1 x 5 cylinder system	18.730,00	963,00
25.652.1802	2 x 8 + 1 x 8 cylinder system	21.400,00	1.350,00
25.652.1803	2 x 10 + 1 x 10 cylinder system	25.040,00	2.040,00
25.652.1804	2 x 20 + 1 x 20 cylinder system	30.880,00	2.360,00
25.655.1000	<b>Medical gas sockets (Unit: Qty.; Materials on construction site 80%)</b> The supply and on-site installation of gas sockets manufactured in compliance with the standard TS EN ISO 9170-1 and the Directive (93/42/EEC) on Medical Devices, released with CE compliance marking, capable of working only with its own gas plug (gas specific), tested in accordance with the test procedures set out in the standard TS EN ISO 9170.		
25.655.1001	Oxygen socket	178,00	19,30
25.655.1002	Vacuum socket	178,00	19,30

### Hospital Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.655.1003	Nitrous Oxide socket	178,00	19,30
25.655.1004	Compressed air socket	178,00	19,30
25.655.1005	Anesthetic gas discharge socket	317,00	19,30
25.660.1000	<p><b>Medical copper pipes (Unit: m: Materials on construction site: 60%)</b></p> <p>The supply and on-site installation of the copper pipes in compliance with the standard TS EN 13348 and the Directive (97/23/EC) on Pressure Equipment, released with CE compliance marking, the use of elbows, fittings and T-junctions etc. made of the same copper for the connection of seamless, semi-rigid, straight pipes and soldered with silver-copper-phosphorus alloy under inert gas flow, clamping with brass, bronze or plastic-based materials at the distances specified in HTM 0201, including the installation material.</p> <p>Outside diameter Wall thickness</p>		
25.660.1001	10 mm 1.0 mm	33,30	4,75
25.660.1002	12 mm 1.0 mm	45,30	4,75
25.660.1003	15 mm 1.0 mm	53,50	4,75
25.660.1004	22 mm 1.0 mm	74,00	4,75
25.660.1005	28 mm 1.0 mm	96,00	9,65
25.660.1006	35 mm 1.5 mm	142,00	9,65
25.660.1007	42 mm 1.5 mm	171,00	9,65
25.660.1008	54 mm 2.0 mm	250,00	14,30
25.660.1009	76 mm 2.0 mm	314,00	19,30
25.660.1010	108 mm 2.5 mm	537,00	19,30
25.665.1100	<p><b>Package Type Morgue Unit: (Unit: Qty.)</b></p> <p>All the panels of the package type standard type morgue unit made of AISI 304 Grade Cr-Ni stainless steel plates shall be filled with polyurethane filling at a density of 40-42 kg/m<sup>3</sup>, insulated and sealed, outer panel insulation thickness to be at least 70 mm, the thickness of the intermediate panel insulation is at least 38 mm, the panels shall be removable. The floor and ceiling panels of the unit shall be connected with at least at 14 points by welding or PVC panel lock system, the front-rear and middle wall connections are fixed at distances of at least 600 mm, the individual water drain systems of the cells and the intermediate shelves between the cells shall be removable and sealed. The supply and on-site installation of the morgue unit, in case of opening from the front, at least 660 x 530 mm, in case of opening from the side at least 2015 x 460 mm in size, the cell inlet frame and the cell hatch locks and frames made of polyethylene based material, the hatch sealed with interchangeable gaskets, the door lock can be opened from the inside, the bolts holding the hatch hinges fixed with rivet nuts, the cooling system of each cell independent from each other, microprocessor-controlled refrigerated cooling group capable of cooling capacities specified in the design, conveyor system consisting of at least 5 rolls with up to 25 mm diameter on the intermediate shelf, removable as needed, each cell to have a corpse tray of at least 1900 mm x 600 mm size capable to take up to 150 kg weight based with PVC-based handles, with four wheels of 150 mm diameter each, two with brakes.</p>		

### Hospital Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.665.1101	<p><b>Package Type Unit With 1 Cubby: (Unit: Qty.)</b>                      The supply and on-site installation of the morgue unit with a cooling unit with an at least 0.675 kW power hermetic compressor according to the approved design.</p>	13.860,00	369,00
25.665.1102	<p><b>Package Type Unit With 2 Cubbies: (Unit: Qty.)</b>                      The supply and on-site installation of the morgue unit with a cooling unit with an at least 1.75 kW power hermetic compressor and with 2 cubbies according to the approved design.</p>	21.160,00	369,00
25.665.1103	<p><b>Package Type Unit With 3 Cubbies: (Unit: Qty.)</b>                      The supply and on-site installation of the morgue unit with a cooling unit with an at least 2.62 kW power hermetic compressor according to the approved design.</p>	24.870,00	369,00
25.665.1200	<p><b>Ablution Desk: (Unit: Qty.)</b>                      The supply and on-site installation of the ablution desk completely made of AISI 304 Grade Cr-Ni stainless steel, with a thickness of 1.5 mm and a depth of at least 50 mm, table dimensions 2140 x 80 x 850 mm, with slope and having a drain hole of 50 mm, legs of the frame to be of 40 x 40 box profile with 1.2 mm wall thickness, with 4 legs, 1.2 mm thick upper table shall be perforated and have 4 pieces of skirts at least 100 mm wide made of 0.8 mm thick AISI 304 Grade Cr-Ni stainless steel plate, with 1.5 m long chrome plated hose, spray nozzle and a bathroom faucet for cold and hot water.</p>	3.920,00	22,00



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**UNIT PRICES AND DEFINITIONS FOR  
FIRE PROTECTION EQUIPMENT  
AND INSTALLATIONS**

**2019**

**Fire Protection Equipment and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.700.1000</b>	<b>FIRE CABINET ACCORDING TO THE STANDARD TS EN 671-1: (Unit: Qty.)</b> Reel: Manufactured in compliance with the Directive 97/23/EC) on Pressure Equipment, in compliance with the standard TS EN 671-1, TS EN 671-2, the Regulation (EU) No.305/2011 Construction Products - CPR, released with CE compliance marking, consisting of two steel discs with a maximum diameter of 800 mm and a circular inner piece with a diameter not less than 200 mm and a drum for hoses with a diameter of 25 mm. Hose: Round, semi-rigid, conforming to the standard TS EN 694 + A1, hose diameter 25 mm and length not exceeding 30 m. Nozzle: Can be shut-off, with water jet or spray options, conforming to the standard TS EN 671-1, 671-2. Fire water valve: Hand operated, DN50 diameter, with coupling, valve and coupling in conformance with TS 12258, 12259, cabinet in appropriate sizes as to take all the equipment, use of warning signs in conformance with the Directive (92/58/EEC) on Minimum Requirements For Safety and/or Health Signs In Work Sites. Note: For the portable extinguishers, the supply and on-site installation of the cylinder with 6 kg ABC type dry powder inside in compliance with TS 862 EN 3.		
<b>25.700.1100</b>	<b>Fire Cabinets With No Cylinders:</b> <b>Hose Diameter                      Hose Length</b>		
25.700.1101	DN 25                                      20 m	880,00	212,00
25.700.1102	DN 25                                      25 m	900,00	212,00
25.700.1103	DN 25                                      30 m	921,00	212,00
<b>25.700.1200</b>	<b>Fire Cabinets With Cylinders:</b> <b>Hose Diameter                      Hose Length</b>		
25.700.1201	DN 25                                      20 m	1.100,00	238,00
25.700.1202	DN 25                                      25 m	1.120,00	238,00
25.700.1203	DN 25                                      30 m	1.140,00	238,00
<b>25.700.2100</b>	<b>FIRE CABINET ACCORDING TO THE STANDARD TS EN 671-2: (Unit: Qty.)</b> Manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR, released with CE compliance marking. Hose: Flat hose in compliance with the standard TS 9222, diameter 50DN and 20 m long. Reel: In compliance with the standard TS 9222, other features the same as in pos. 25.700.1000.		
25.700.2101	Model With No Cylinder	882,00	143,00
25.700.2102	Model With Cylinder	984,00	179,00
25.700.3100	<b>FIELD TYPE FIRE CABINET WITH 2" HOSE: (Unit: Qty.)</b> The supply and on-site installation of the fire cabinet manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR, released with CE compliance marking, made of 1.5 mm thick galvanized sheet, on pedestal, coated with RAL 3001-3002 electrostatic powder paint, double sided or double reel, 2 pcs. of 2" / 20 m fabric coated hose in compliance with the standard TS 9222/T1, 2 pcs. of 2" nozzle, hoses and nozzle with 2" storz coupling in compliance with the standard DIN 14811.	1.870,00	238,00
25.700.3200	<b>FIELD TYPE FIRE CABINET WITH 2½" HOSE: (Unit: Qty.)</b> The supply and on-site installation of the fire cabinet manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products, released with CE compliance marking, made of 1.5 mm thick galvanized sheet, on pedestal, coated with RAL 3001-3002 electrostatic powder paint, double sided or double reel, 2 pcs. of 2½" / 20 m fabric coated hose in compliance with the standard TS 9222, 2 pcs. of 2½" nozzle, hoses and nozzle with 2½" storz coupling in compliance with the standard DIN 14811.	3.020,00	238,00



**Fire Protection Equipment and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.705.1000</b>	<b>AUTOMATIC FIRE SPRINKLERS: (Unit: Qty,)</b> The supply and on-site installation of automatic fire sprinklers manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR, with CE compliance marking, in accordance with the standard TS EN 12259-1 in conformance with the design and technical specification, ensuring the fire is sprinkled automatically with pressurized water behind it as a result of the breaking of the glass or the melting metal because of the fire, of standard reaction, made of brass, with threaded connection.		
<b>25.705.1100</b>	<b>Automatic Fire Sprinkler for Standard Applications:</b> Opening temperatures 57°C, 68°C, 79°C, 93°C, 100°C or 141°C.		
25.705.1101	Upright DN 15	23,80	4,75
25.705.1102	Upright DN 20	33,10	4,75
25.705.1103	Hanging DN 15	26,30	4,75
25.705.1104	Hanging DN 20	33,70	4,75
25.705.1105	Horizontal Wall Edge DN 15	34,50	4,75
25.705.1106	Horizontal Wall Edge DN 20	52,00	4,75
<b>25.705.1200</b>	<b>Automatic Fire Sprinkler for Special Applications:</b> Manufactured and approved for special applications such as warehouse, bedroom, big room, corridor, roof, etc.		
25.705.1201	With Extended Effect DN 15	85,00	4,75
25.705.1202	With Big Drops DN 20	108,00	4,75
25.705.1203	EBHT (Early Descent Fast Response) DN 20	76,00	4,75
<b>25.705.2000</b>	<b>Open Fire Water Spray Nozzle (Nozzle): (Unit: Qty.; Materials on construction site 60%)</b> The supply and on-site installation of the approved open fire water spray nozzle in accordance with the design and the technical specification, when the water is opened, spraying the water at a certain angle and the droplet structure in order to extinguish or cool down the fire or to cool down the surfaces, made of brass material.		
<b>25.705.2100</b>	<b>Open Flame Water Spray Nozzle</b> Opening temperatures 57 C, 68 C, 79 C, 93 C, 100 C or 141 C.		
25.705.2101	Vertical DN 15	24,90	4,75
25.705.2102	Vertical DN 20	39,60	4,75
25.705.2103	Downwards DN 15	27,60	4,75
25.705.2104	Downwards DN 20	37,40	4,75
<b>25.705.3000</b>	<b>Differences Payable for Additions to Fire Sprinkler or Open Fire Water Spray Nozzle: (Unit: Qty.; Materials on construction site 60%).</b> Coatings used to change, protect or protect fire sprinklers against appearance or wear		
25.705.3001	White Painted	4,50	
25.705.3002	Chrome Plating	2,65	
25.705.3100	<b>Addition Of Fast Response</b> Automatic fire sprinkler to accelerate the response to the heat, thus giving the ability to open more quickly.	15,00	

**Fire Protection Equipment and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.705.3200</b>	<b>Addition Of Rosette</b> The plate between the sprinkler head and the surface on the back of the sprinkler head used to conceal the connection of the sprinkler head and the pipe to which it is connected; addition of the coating to be paid separately from the "differences to be paid for fire sprinkler additions,"		
25.705.3201	Fixed One Piece Rosette	4,25	0,70
25.705.3202	Adjustable Two Piece Rosette	5,30	1,10
25.705.3203	Hidden Recessed Rosette	24,40	6,60
<b>25.710.1000</b>	<b>Aboveground Fire Hydrant (HYDRANT): (Unit: Qty.) (TS EN 14339, 14384, 1074-6)</b> The supply and on-site installation of fire hydrants manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR, released with CE compliance marking, with cast iron body, gate, brass stem and water intake covers, stainless steel valve stem, automatic water evacuation against freezing, with safety valve, resistant against pressure impacts, without turbulence, continuous smooth flow (seat with slats), with two water intake nozzles, painted in accordance with standard colors, tight seals, flanged connection, with non-rising spindle.		
25.710.1001	DN 80	2.240,00	192,00
25.710.1002	DN 100	2.340,00	199,00
25.710.1003	DN 150	4.080,00	213,00
<b>25.710.1100</b>	<b>Inside Rubber Coated Fire Hose (as spare): (Unit: m)</b> Inside rubber coated fire hose, resistant to 12 kgf / cm <sup>2</sup> pressure		
25.710.1101	DN 50	9,10	0,85
25.710.1102	DN 65	13,50	0,85
<b>25.710.1200</b>	<b>Ball fire valve, brass body, double clutch:</b>		
25.710.1201	DN 25	108,00	21,60
25.710.1202	DN 50	183,00	30,90
<b>25.710.1300</b>	<b>Fire nozzle (nozzle): (TS 3145)</b>		
25.710.1301	Without controller	99,50	11,90
25.710.1302	With controller	175,00	16,60
25.710.1303	Aboveground Fire Hydrant Opening Key (TS 3145)	72,00	
25.712.1000	<b>Connection Port For Fire Brigade: (Unit: Qty.)</b> The supply and installation in accordance with the design and technical specification of the connection port for fire brigade made of brass, fire brigade connection DN65 x DN65 Storz, system connection diameter DN100 with protective cover, wall with bronze rosette and DN15 drip valve.	882,00	147,00
<b>25.712.1100</b>	<b>Differences to be paid for Connection Port For Fire Brigade: (Unit: Qty.)</b>		
25.712.1101	Addition Of Drip Valve:	82,00	9,65
25.712.1102	Addition Of Back Plate	82,00	4,75
25.712.1103	Addition of Fire Brigade Information:	82,00	4,75
25.712.1104	Addition Of PN 16 Pressure Class:	211,00	
25.712.1105	Addition of PN 25 Pressure Class	423,00	
<b>25.712.2000</b>	<b>Floor Connection Valve For Fire Brigade: (Unit: Qty.)</b> The supply and on-site installation of the floor connection valve conforming to the standard TSE 12259, with forged brass body, coupling aluminum chain and cover suitable for fire brigade connection.		

**Fire Protection Equipment and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.712.2001	DN 50	214,00	22,80
25.712.2002	DN 65	351,00	26,60
<b>25.715.1000</b>	<b>Test And Drain Valve (Unit: Qty.; Materials on construction site 60%)</b> The supply, on-site installation in accordance with the design and technical specification and delivery in working of the valve with bronze or brass body, stainless steel ball, K factor between 80 and 360, with 21 bar (300 psi) operating pressure, in three positions.		
<b>25.715.1100</b>	<b>Test and drain valve, threaded, brass;</b>		
25.715.1101	DN 25	364,00	71,00
25.715.1102	DN 32	473,00	71,00
25.715.1103	DN 40	791,00	71,00
25.715.1104	DN 50	901,00	71,00
<b>25.715.1200</b>	<b>Wet Alarm Valve Station: (Unit: Qty.; Materials on construction site 60%)</b> The supply, on-site installation and delivery in working order of wet alarm valve station, manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products, conforming to the standard TS EN 12259-2, released with CE compliance marking, input / output threaded or flanged connection, with all kinds of peripheral equipment, manometers, including clamps, in conformity with the design and technical specification.		
25.715.1201	DN 80	5.430,00	380,00
25.715.1202	DN 100	5.530,00	409,00
25.715.1203	DN 150	6.300,00	495,00
25.715.1204	DN 200	8.990,00	722,00
<b>25.715.1300</b>	<b>Dry Alarm Valve Station: (Unit: Qty.; Materials on construction site 60%)</b> The supply, on-site installation and delivery in working order of wet alarm valve station, manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR, conforming to the standard TS EN 12259-3, released with CE compliance marking, input / output threaded or flanged connection, with all kinds of peripheral equipment, manometers, including clamps, in conformity with the design and technical specification.		
25.715.1301	DN 80	13.700,00	1.250,00
25.715.1302	DN 100	14.590,00	1.590,00
25.715.1303	DN 150	17.240,00	1.900,00
<b>25.715.1400</b>	<b>Deluge Valve Station: (Unit: Qty.; Materials on construction site 60%)</b> The supply, on-site installation and delivery in working order of deluge valve station, input / output threaded or flanged connection, with all kinds of peripheral equipment, manometers, including clamps, in conformity with the design and technical specification.		
25.715.1401	DN 80	18.400,00	1.100,00
25.715.1402	DN 100	19.680,00	1.250,00
25.715.1403	DN 150	23.370,00	1.590,00
25.715.1404	DN 200	35.550,00	1.900,00
<b>25.715.2000</b>	<b>Differences to be paid for additions on valve stations: (Unit: Qty.; Materials on construction site 60%)</b>		
25.715.2001	The Addition Of Water Motor Gong:	1.190,00	156,00
25.715.2002	Addition Of Delay Cell	1.080,00	90,00
25.715.2003	Addition Of Alarm Pressure Switch:	541,00	81,00
25.715.2004	Addition of Compressed Air Feed and Adjustment Device to Dry Alarm Valve:	2.410,00	259,00
25.715.2005	Deluge Valve Electric Drive Extension:	2.270,00	246,00

**Fire Protection Equipment and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.715.3100</b>	<b>Traceable Inter-Flange Compression Butterfly Valve: (Unit: Qty.; Materials on construction site 60%)</b> The supply and on-site installation of the butterfly valve in accordance with the design and the technical specification, suitable for inlet / outlet connection, 175 PSI pressure class, opened with geared handwheel, cast iron body, bronze disc, position indicator, TKÇY monitoring key.		
25.715.3101	DN 40	691,00	176,00
25.715.3102	DN 50	901,00	208,00
25.715.3103	DN 65	934,00	238,00
25.715.3104	DN 80	993,00	257,00
25.715.3105	DN 100	1.070,00	270,00
25.715.3106	DN 150	1.510,00	384,00
25.715.3107	DN 200	2.060,00	537,00
<b>25.715.3200</b>	<b>Traceable Butterfly Valve With Threaded Connection: (Unit: Qty.; Materials on construction site 60%)</b> The supply and on-site installation of the butterfly valve in accordance with the design and the technical specification, inlet / outlet with threaded connection, 175 PSI pressure class, opened with geared handwheel, cast iron body, bronze disc, position indicator, TKÇY monitoring key.		
25.715.3201	DN 40	803,00	176,00
25.715.3202	DN 50	902,00	208,00
25.715.3203	DN 65	989,00	238,00
25.715.3204	DN 80	1.060,00	257,00
25.715.3205	DN 100	1.150,00	270,00
25.715.3206	DN 150	1.600,00	398,00
25.715.3207	DN 200	2.440,00	553,00
<b>25.715.3500</b>	<b>Differences To Be Paid For Traceable Butterfly Valves: (Unit: Qty.; Materials on construction site 60%)</b>		
25.715.3501	Addition Of PN 16 Pressure Class:	155,00	
25.715.3502	Addition Of PN 25 Pressure Class:	308,00	
<b>25.715.4100</b>	<b>Traceable Butterfly Valve With Rising Spindle: (Unit: Qty.; Materials on construction site 60%)</b> The supply, on-site installation in accordance with the design and technical specification and delivery in working order of the check valve, inlet / outlet flanged, 175 PSI pressure class, size DN 100, TKÇY monitoring key and compression screw nuts, with rising spindle.		
25.715.4101	DN 40	1.070,00	159,00
25.715.4102	DN 50	1.470,00	203,00
25.715.4103	DN 65	1.580,00	216,00
25.715.4104	DN 80	1.670,00	233,00
25.715.4105	DN 100	1.960,00	257,00
25.715.4106	DN 150	2.850,00	384,00
25.715.4107	DN 200	4.450,00	585,00
<b>25.715.4200</b>	<b>Fire Check Valve: (Unit: Qty.; Materials on construction site 60%)</b> The supply, on-site installation in accordance with the design and technical specification and delivery in working order of the check valve with flap, inlet / outlet with threaded connection, 175 PSI pressure class, cast iron body, bronze disc, size DN 100.		
25.715.4201	DN 25	120,00	14,30
25.715.4202	DN 32	168,00	21,60

**Fire Protection Equipment and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.715.4203	DN 40	207,00	26,40
25.715.4204	DN 50	493,00	40,40
25.715.4205	DN 65	595,00	55,00
25.715.4206	DN 80	679,00	57,00
25.715.4207	DN 100	819,00	66,50
25.715.4208	DN 150	1.160,00	95,00
25.715.4209	DN 200	1.670,00	128,00
<b>25.715.4300</b>	<b>Water Flow Switch: (Unit: Qty.; Materials on construction site 60%)</b> The supply, on-site installation in accordance with the design and technical specification and delivery in working order of the flow switch, which in case of any water usage from the watered fire fighting system, provides the electrical contact output at the preset flow rate by way of a flexible flap entering into the pipe through a hole opened on the pipe, pressed into the pipe with U clamp.		
25.715.4301	DN 25	523,00	90,00
25.715.4302	DN 32	532,00	90,00
25.715.4303	DN 40	544,00	90,00
25.715.4304	DN 50	555,00	104,00
25.715.4305	DN 65	571,00	104,00
25.715.4306	DN 80	584,00	104,00
25.715.4307	DN 100	589,00	104,00
25.715.4308	DN 150	593,00	104,00
25.715.4309	DN 200	635,00	108,00
25.715.4400	<b>Drain Valve: (Unit: Qty.; Materials on construction site 60%)</b> Supply and on-site installation of ball valve, DN 25 size, threaded inlet/outlet connections, full bore ball valve, 175 psi pressure class, cast iron body, stainless steel ball, locking latch for padlock.	136,00	4,75
<b>25.720.0000</b>	<b>FIRE PUMPS:</b>		
<b>25.720.1000</b>	<b>Fire Pump With Electric Motor: (Unit: Qty.; Materials on construction site 60%)</b> The installation of the fire pump manufactured in compliance with the Directive (2006/42/EC) on Machinery, released with CE compliance marking, with bronze impeller, stainless steel spindle, the differential head at closed outlet (zero flow) becoming 140% of the nominal differential head, the head at 150% nominal flow becoming not less than 65% of the nominal differential head, chosen to meet the system requirements at the required pressure value and with a capacity at maximum 130% of the nominal flow rate, together with the electric motor, pump body, base, automatic electrical pressurestat mounted inside the control panel enabling the automatic and manual operation depending on the pump system pressure and with the control panel, in conformance with the design and technical specifications. 1- The values specified in the approved design shall be taken into consideration in the selection and procurement of the pumps.		
<b>25.720.1100</b>	<b>Horizontal Line (in-line) Type Fire Pump:</b> Nominal Flow		
25.720.1101	12 m³/h	12.050,00	735,00
25.720.1102	12 m³/h	14.080,00	820,00
25.720.1103	12 m³/h	14.350,00	840,00

### Fire Protection Equipment and Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.720.1104	60-66 m³/h	20.190,00	1.180,00
25.720.1105	60-66 m³/h	22.500,00	1.300,00
25.720.1106	60-66 m³/h 100 mWC	25.990,00	1.520,00
25.720.1107	120-126 m³/h 60 mWC	27.360,00	1.780,00
25.720.1108	120-126 m³/h 80 mWC	32.570,00	2.070,00
25.720.1109	120-126 m³/h 100 mWC	39.550,00	2.420,00
<b>25.720.1200</b>	<b>Horizontal Rear Suction Fire Pump:</b> Nominal Flow Nominal Differential Head		
25.720.1201	12 m³/h 60 mWC	10.160,00	651,00
25.720.1202	12 m³/h 80 mWC	11.530,00	733,00
25.720.1203	12 m³/h 100 mWC	12.100,00	854,00
25.720.1204	50-59 m³/h 60 mWC	15.110,00	1.360,00
25.720.1205	50-59 m³/h 80 mWC	19.680,00	1.560,00
25.720.1206	50-59 m³/h 100 mWC	23.210,00	1.710,00
25.720.1207	60-66 m³/h 60 mWC	17.100,00	1.470,00
25.720.1208	60-66 m³/h 80 mWC	21.350,00	1.670,00
25.720.1209	60-66 m³/h 100 mWC	23.690,00	1.880,00
25.720.1210	70-79 m³/h 60 mWC	18.680,00	1.600,00
25.720.1211	70-79 m³/h 80 mWC	23.720,00	1.840,00
25.720.1212	70-79 m³/h 100 mWC	31.420,00	2.040,00
25.720.1213	80-89 m³/h 60 mWC	24.850,00	1.670,00
25.720.1214	80-89 m³/h 80 mWC	26.470,00	1.970,00
25.720.1215	80-89 m³/h 100 mWC	34.540,00	2.170,00
25.720.1216	90-99 m³/h 60 mWC	28.050,00	1.800,00
25.720.1217	90-99 m³/h 80 mWC	29.490,00	2.080,00
25.720.1218	110-119 m³/h 60 mWC	29.470,00	1.970,00
25.720.1219	110-119 m³/h 80 mWC	29.910,00	2.280,00
25.720.1220	120-126 m³/h 60 mWC	30.210,00	2.080,00
25.720.1221	120-126 m³/h 80 mWC	32.540,00	2.370,00
25.720.1222	120-126 m³/h 100 mWC	37.720,00	2.650,00
25.720.1223	120-126 m³/h 120 mWC	42.730,00	2.940,00
<b>25.720.1300</b>	<b>Horizontal Split Body Fire Pump:</b> Nominal Flow Nominal Differential Head		
25.720.1301	110-119 m³/h 100 mWC	31.470,00	2.030,00
25.720.1302	110-119 m³/h 120 mWC	39.260,00	2.160,00
25.720.1303	120-126 m³/h 60 mWC	31.870,00	1.700,00
25.720.1304	120-126 m³/h 80 mWC	39.050,00	2.000,00
25.720.1305	120-126 m³/h 100 mWC	43.190,00	2.160,00
25.720.1306	120-126 m³/h 120 mWC	49.530,00	2.160,00
<b>25.720.1400</b>	<b>Vertical Multi-Stage Fire Pump:</b> Nominal Flow Nominal Differential Head		
25.720.1401	12 m³/h 60 mWC	9.360,00	768,00
25.720.1402	12 m³/h 80 mWC	10.220,00	843,00
25.720.1403	12 m³/h 100 mWC	10.760,00	883,00
25.720.1404	60-66 m³/h 60 mWC	16.040,00	1.310,00
25.720.1405	60-66 m³/h 80 mWC	18.390,00	1.430,00
25.720.1406	60-66 m³/h 100 mWC	21.080,00	1.660,00

**Fire Protection Equipment and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.720.2000</b>	<p><b>Fire Pump With Diesel Engine: (Unit: Qty.; Materials on construction site 60%)</b>                      The installation of the fire pump manufactured in compliance with the Directive (2006/42/EC) on Machinery, released with CE compliance marking, with bronze impeller, stainless steel spindle, the differential head at closed outlet (zero flow) becoming 140% of the nominal differential head, the head at 150% nominal flow becoming not less than 65% of the nominal differential head, chosen to meet the system requirements at the required pressure value and with a capacity at maximum 130% of the nominal flow rate, together with the diesel engine, two sets of batteries and battery charging groups with stand-by, diesel oil tank, diesel engine speed limiter, double starter system with stand-by, pump body, base, diesel control panel enabling the automatic and manual operation depending on the pump system pressure and with the control panel, in conformance with the design and technical specifications.                      NOTE: 1- The values specified in the approved design shall be taken into consideration in the selection and procurement of the pumps.</p>		
<b>25.720.2100</b>	<p><b>Horizontal Rear Suction Fire Pump:</b>                      Nominal Flow Nominal Differential Head</p>		
25.720.2101	60-66 m³/h 60 mWC	38.300,00	1.470,00
25.720.2102	60-66 m³/h 80 mWC	43.260,00	1.670,00
25.720.2103	60-66 m³/h 100 mWC	48.130,00	1.880,00
25.720.2104	70-79 m³/h 60 mWC	41.600,00	1.600,00
25.720.2105	70-79 m³/h 80 mWC	45.800,00	1.840,00
25.720.2106	70-79 m³/h 100 mWC	58.220,00	2.040,00
25.720.2107	80-89 m³/h 60 mWC	46.180,00	1.670,00
25.720.2108	80-89 m³/h 80 mWC	59.000,00	1.970,00
25.720.2109	80-89 m³/h 100 mWC	62.052,00	2.170,00
25.720.2110	90-99 m³/h 60 mWC	49.030,00	1.800,00
25.720.2111	90-99 m³/h 80 mWC	59.710,00	2.080,00
25.720.2112	110-119 m³/h 60 mWC	49.470,00	1.970,00
25.720.2113	110-119 m³/h 80 mWC	60.500,00	2.280,00
25.720.2114	120-126 m³/h 60 mWC	50.210,00	2.080,00
25.720.2115	120-126 m³/h 80 mWC	62.960,00	2.370,00
25.720.2116	120-126 m³/h 100 mWC	64.430,00	2.650,00
25.720.2117	120-126 m³/h 120 mWC	71.160,00	2.940,00
<b>25.720.2200</b>	<p><b>Horizontal Split Body Fire Pump:</b>                      Nominal Flow Nominal Differential Head</p>		
25.720.2201	110-119 m³/h 100 mWC	69.540,00	2.570,00
25.720.2202	110-119 m³/h 120 mWC	71.420,00	2.810,00
25.720.2203	120-126 m³/h 60 mWC	64.580,00	2.080,00
25.720.2204	120-126 m³/h 80 mWC	72.240,00	2.370,00
25.720.2205	120-126 m³/h 100 mWC	76.500,00	2.650,00
25.720.2206	120-126 m³/h 120 mWC	84.190,00	2.940,00
25.720.2207	170-180 m³/h 60 mWC	78.700,00	2.450,00
25.720.2208	170-180 m³/h 80 mWC	81.410,00	2.850,00
25.720.2209	170-180 m³/h 100 mWC	84.430,00	3.180,00
25.720.2210	170-180 m³/h 120 mWC	106.100,00	3.470,00

### Fire Protection Equipment and Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.720.4100</b>	<p><b>Leak Elimination Pump With Electric Motor: (Unit: Qty.; Materials on construction site 60%)</b></p> <p>The supply and installation of leak elimination pumps manufactured in compliance with the Fire Directive and the Directive (2006/42/EC) on Machinery, released with CE compliance marking, to be used to keep the pressure constant against small leaks and pressure fluctuations in the watered fire fighting systems, direct or star-delta start, hydrant fire extinguishing system, operating pressure selected 1 bar higher than the fire fighting system's pressure demand, with vertical spindle, multistage, stainless steel impellers together with the electric motor, pump body, base and the electric control panel in conformance with the design and technical specification. Nominal Flow Nominal Differential Head</p>		
25.720.4101	1.0 m <sup>3</sup> /h 60 mWC	2.950,00	188,00
25.720.4102	2.0 m <sup>3</sup> /h 60 mWC	3.310,00	265,00
25.720.4103	4.0 m <sup>3</sup> /h 60 mWC	3.940,00	375,00
25.720.4104	6.0 m <sup>3</sup> /h 60 mWC	4.030,00	461,00
25.720.4105	1.0 m <sup>3</sup> /h 80 mWC	3.350,00	217,00
25.720.4106	2.0 m <sup>3</sup> /h 80 mWC	3.450,00	305,00
25.720.4107	4.0 m <sup>3</sup> /h 80 mWC	4.360,00	436,00
25.720.4108	6.0 m <sup>3</sup> /h 80 mWC	4.590,00	533,00
25.720.4109	1.0 m <sup>3</sup> /h 100 mWC	3.430,00	245,00
25.720.4110	2.0 m <sup>3</sup> /h 100 mWC	4.080,00	342,00
25.720.4111	4.0 m <sup>3</sup> /h 100 mWC	4.540,00	485,00
25.720.4112	6.0 m <sup>3</sup> /h 100 mWC	5.050,00	595,00
25.720.4113	1.0 m <sup>3</sup> /h 120 mWC	4.170,00	265,00
25.720.4114	2.0 m <sup>3</sup> /h 120 mWC	4.440,00	375,00
25.720.4115	4.0 m <sup>3</sup> /h 120 mWC	5.030,00	533,00
25.720.4116	6.0 m <sup>3</sup> /h 120 mWC	6.080,00	651,00
<b>25.720.7100</b>	<p><b>Differences to be paid for additions to Fire Pumps: (Unit: Qty.; Materials on construction site 60%)</b></p>		
25.720.7101	Addition Of Pressure Record Device	1.590,00	141,00
25.720.7102	For The Vertical Pumps, Addition Of 1m Shaft:	1.290,00	141,00
<b>25.720.7200</b>	<p><b>Pump flowmeter:</b></p> <p>The supply, on-site installation in conformance with the design and technical specification and deliver in working order of the pump test flowmeter with Annubar, Venturi or Orifice plate measuring principle, at least PN10 pressure class, measuring connection hose, wall fixing element, gauge with analogue display.</p>		
25.720.7201	DN 80	4.940,00	295,00
25.720.7202	DN 100	5.600,00	366,00
25.720.7203	DN 150	5.970,00	443,00
25.720.7204	DN 200	7.050,00	513,00
<b>25.725.1100</b>	<p><b>Threaded Rigid Pipe Fitting Clamp: (Unit: Qty.; Materials on construction site 60%)</b></p> <p>The supply, on-site installation in accordance with the design and technical specification and delivery in working order of the clamp, rigid, made of cast iron, with clamp gasket suitable for fire fighting use, threaded flexible pipe connection clamp.</p>		
25.725.1101	DN 25	19,00	2,45



**Fire Protection Equipment and Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
25.725.1102	DN 32	24,00	4,75
25.725.1103	DN 40	24,80	4,75
25.725.1104	DN 50	29,90	4,75
25.725.1105	DN 65	30,70	4,75
25.725.1106	DN 80	35,10	4,75
25.725.1107	DN 100	51,00	7,25
25.725.1108	DN 150	77,50	11,90
25.725.1109	DN 200	157,00	19,30
25.725.1110	DN 250	273,00	33,30
<b>25.725.1200</b>	<b>Threaded Flexible Pipe Fitting Clamp: (Unit: Qty.; Materials on construction site 60%)</b> The supply, on-site installation in accordance with the design and technical specification and delivery in working order of the clamp, flexible, made of cast iron, with clamp gasket suitable for fire fighting use, threaded flexible pipe connection clamp.		
25.725.1201	DN 25	19,00	2,45
25.725.1202	DN 32	24,00	4,75
25.725.1203	DN 40	24,80	4,75
25.725.1204	DN 50	29,90	4,75
25.725.1205	DN 65	30,70	4,75
25.725.1206	DN 80	35,10	4,75
25.725.1207	DN 100	51,00	7,25
25.725.1208	DN 150	78,50	11,90
25.725.1209	DN 200	157,00	19,30
25.725.1210	DN 250	273,00	33,30
<b>25.725.2000</b>	<b>Pipe Hanger Protected Against Earthquake: (Unit: Qty.; Materials on construction site 60%)</b> The supply and the on-site installation of the seismic hanger in accordance with the design and technical specification, allowing the water extinguishing system pipe at the time of vibration or earthquake to move only in the desired direction or if it is connected to the fixed structure element does not allow it to move.		
<b>25.725.2100</b>	<b>Two Way</b>		
25.725.2101	DN 32	49,50	4,75
25.725.2102	DN 40	51,00	4,75
25.725.2103	DN 50	52,00	4,75
25.725.2104	DN 65	54,50	4,75
25.725.2105	DN 80	73,50	4,75
25.725.2106	DN 100	82,50	7,25
25.725.2107	DN 150	146,00	9,65
<b>25.725.2200</b>	<b>Four Way:</b>		
25.725.2201	DN 32	129,00	19,30
25.725.2202	DN 40	132,00	19,30
25.725.2203	DN 50	135,00	19,30
25.725.2204	DN 65	145,00	19,30
25.725.2205	DN 80	176,00	23,80
25.725.2206	DN 100	193,00	28,60
25.725.2207	DN 150	324,00	61,50

**Fire Protection Equipment and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.725.2300</b>	<b>Limiting Steel Wire Stay</b>		
25.725.2301	DN 32	95,00	33,30
25.725.2302	DN 40	97,50	33,30
25.725.2303	DN 50	100,00	33,30
25.725.2304	DN 65	107,00	40,40
25.725.2305	DN 80	128,00	47,40
25.725.2306	DN 100	147,00	55,00
25.725.2307	DN 150	324,00	119,00
<b>25.727.1000</b>	<b>FIRE EXTINGUISHING SYSTEMS WITH HFC227EA GAS</b> The design and physical specifications of the fire extinguishing system with HFC227EA gas shall be as specified in the TS EN 15004-1 and 5, and each area to be protected shall be designed to supply the HFC227EA gas into the suspended ceiling and beneath the elevated flooring, if any. The location of the system should be sealed and tested for tightness. The pipes to be used in the system shall be seamless drawn steel, and nitrogen shall be used for testing the pipes. The pipes shall be tested for 10 minutes under 3 bars of pressure, and their pressure drops shall be tested at the end of this time. The detection part of the HFC227EA extinguishing system shall be installed as prescribed in the EN 54 standard. Fire protection shall be made for every fire extinction zone in line with the volume of the zone as per the EN 54 standard. The electrical installation unit prices shall be referred to for calculation of the prices of fire detection systems, cables, detectors, panels, sirens, and similar other equipment. Measures shall be taken against accidental discharge and leaks of the HFC227EA gas that is in EN standards and (Kyoto) F class. The gas shall be discharged in max. 10 seconds, and mechanical and electronic equipment, cables, pipes and cylinders shall duly undergo all relevant tests under the supervision of the organization of the authority.		
<b>25.727.1100</b>	<b>The Cylinder and Its Set</b> The HFC227EA cylinders to be used in the system shall be certified for compliance with the Transportable Pressure Equipment Directive (2010/35/EU), bear a П logo, and be made of seamless drawn steel manufactured in EN ISO 9809-1:2010 standards. The cylinders shall bear the serial number of their respective filling tanks. The cylinders shall be used at a pressure of 25 to 42 bars, and the HFC227EA system valve on the cylinder shall bear a CE marking and have a forged brass body. The HFC227EA cylinder valves shall be equipped with safety mechanisms that open in case of overpressure, a pressure gauge to monitor the internal pressure of the cylinder. The cylinders shall be supplied to the work site with their installation kits and then installed. Note: A drain hose and a check valve shall be included in the multiple connections of the cylinders.		
25.727.1101	Up to 14 L	5.950,00	93,80
25.727.1102	14 L (inclusive) to 25 L	6.181,00	112,50
25.727.1103	25 L (inclusive) to 40 L	6.918,00	137,50
25.727.1104	40 L (inclusive) to 60 L	8.139,00	150,00
25.727.1105	60 L (inclusive) to 80 L	9.637,00	175,00
25.727.1106	80 L (inclusive) to 120 L	11.104,00	206,30
25.727.1107	120 L (inclusive) to 180 L	13.949,00	225,00
25.727.1108	180 L (inclusive) to 240 L	20.380,00	275,00

### Fire Protection Equipment and Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.727.1200	<b>HFC227EA Gas (Kg )</b> Chemical name: Heptafluoropropane (CF <sub>3</sub> CHF <sub>2</sub> CF <sub>3</sub> ) gas shall comply with the TS EN 15004-1 standard. The sample to be taken from the gas shall be tested in a laboratory and submitted to the administration for approval.	193,00	
<b>25.727.1300</b>	<b>Collector (Unit: Qty.)</b> The collector shall be made of seamless drawn steel pipes in compliance with the design pressure, and equipped with a sufficient number of fasteners for the pressure switch and cylinders. The collector shall be tested for pressure that is 1.5 times as much as the design pressure and the test shall be reported.		
25.727.1301	With 2, 3 cylinder connections	2.458,00	125,00
25.727.1302	With 4, 5 cylinder connections	3.063,00	150,00
25.727.1303	With 6, 7 cylinder connections	3.748,00	185,00
25.727.1304	With 8, 9 or 10 cylinder connections	5.945,00	240,00
25.727.1400	<b>The Cylinder Connection Kit (Set)</b> Including a solenoid valve and a manual draining lever compatible with single-cylinder and multiple-cylinder systems.	1.634,00	93,80
25.727.1500	<b>Nitrogen Cylinder supplement (Set)</b> Procurement and installation with a min 3-L nitrogen cylinder, nitrogen cylinder valve, solenoid valve, and a wall installation kit.	5.746,00	125,00
<b>25.727.1600</b>	<b>Selector Valve (Unit: Qty.)</b> Chambers of the cylinder group shall be used to direct the gas for use in fire extinguishing systems for multiple locations. The valve shall be equipped with a limiting switch that will allow monitoring of whether the valve is open or closed on the control panel. It shall open by pneumatic or hydraulic triggering. The selector valve to be used in the system shall be the same in diameter as that of the pipe that is found by hydraulic calculation and that enters the chamber.		
25.727.1601	3/4"	8.318,00	312,50
25.727.1602	1"	9.439,00	390,60
25.727.1603	1 1/4"	10.100,00	468,80
25.727.1604	1 1/2"	10.706,00	546,90
25.727.1605	2"	12.259,00	625,00
25.727.1606	2 1/2"	14.492,00	703,10
25.727.1607	3"	16.378,00	781,30
25.727.1608	4"	20.365,00	937,50
<b>25.727.1700</b>	<b>Nozzles (Unit: Qty.)</b> Installation at the designated locations as 180 or 360 degrees with a nozzle membrane, bearing a CE marking.		
25.727.1701	1/2"	94,00	18,80
25.727.1702	3/4"	154,00	18,80
25.727.1703	1"	201,00	18,80
25.727.1704	1 1/4"	257,00	37,50
25.727.1705	1 1/2"	319,00	37,50
25.727.1706	2"	418,00	62,50

**Fire Protection Equipment and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.730.1000</b>	<b>KITCHEN EXTRACTION HOOD FIRE EXTINGUISHING SYSTEM: (Unit: Set.; Materials on construction site 60%)</b> The supply and installation in conformance to the design and technical specification of the mechanical fire extinguishing system extinguishing the fires in the kitchen appliances (cooker, oven, oily fryer etc.), extraction hood or ventilation ducts by spraying onto the fire, through a fixed piping installation, an extinguishing chemical (potassium based) automatically with low PH value not causing corrosion on the metals, including the cylinder, cylinder control valve and head, cylinder fixing clamp, extinguisher, flexible connection hose, tension wire, extinguisher spray nozzles, mechanical drive unit, propellant driven gas cylinder, black steel extinguisher piping, chromium steel melting metal fuse wire protection piping, etc.		
<b>25.730.1100</b>	<b>Detection and Triggering System:</b> Molten Metal Fuse and Clamp, including tension wire, mechanical drive unit, chrome steel melting wire fuse protection pipe, fuse and drive mechanism tension wire corner turn roller, manual drive mechanism and connections, etc.		
25.730.1101	With Melting Metal Fuse	3.130,00	462,00
<b>25.730.1200</b>	<b>Extinguishing Liquid, Cylinders and Installation:</b> Including extinguisher liquid, cylinders, cylinder control valve and head, tube fixing clamps, extinguisher, flexible connecting hose, propellant driven gas cylinders, black steel extinguisher piping, etc.		
25.730.1201	With extinguishers up to 5 L	3.910,00	1.280,00
25.730.1202	With 6-10 L extinguisher	4.480,00	1.460,00
25.730.1203	With 11-15 L extinguisher	5.730,00	1.460,00
25.730.1204	With 16-20 L extinguisher	6.070,00	1.460,00
25.730.1205	With 21-25 L extinguisher	7.230,00	1.640,00
25.730.1206	With 26-30 L extinguisher	9.810,00	1.640,00
25.730.1207	With 31-35 L extinguisher	12.180,00	1.840,00
25.730.1300	<b>Extinguisher Spray Nozzle:</b> Made of stainless steel, cooker with threaded connection, for the protection of oil fryer, oven, chimney, oil filter in the hood.	141,00	7,25
<b>25.730.2000</b>	<b>Differences To Be Paid Kitchen For The Hood Fire Extinguishing System : (Unit: Qty.; Materials on construction site 60%)</b>		
25.730.2001	Electrical Drive Mechanism	4.190,00	322,00
25.730.2002	Mechanical Remote Manual Drive Mechanism	225,00	14,30
25.730.2003	Addition For The Detection System Connection	103,00	2,45
<b>25.730.3100</b>	<b>Mechanical LPG or Natural Gas Shut-Off Valve:</b> The mechanical valve that automatically cuts off the heater gas inlet by getting the open position to the closed position together with the fire extinguishing, depending on the tension wire that is released when the fused metal fuse breaks,		
25.730.3101	DN 20	1.420,00	64,00
25.730.3102	DN 25	1.620,00	64,00
25.730.3103	DN 32	1.630,00	64,00
25.730.3104	DN 40	1.880,00	64,00
25.730.3105	DN 50	1.960,00	64,00

**Fire Protection Equipment and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.730.3200</b>	<b>Electrical LPG or Natural Gas Shut-Off Valve:</b> The electro-mechanical valve that cuts-off the gas inlet to the heater when, upon command coming to the cylinder for evacuation, the solenoid valve in the open position closes down with the de-energization and the fire is extinguished.		
25.730.3201	DN 20	890,00	64,00
25.730.3202	DN 25	1.050,00	64,00
25.730.3203	DN 32	1.350,00	64,00
25.730.3204	DN 40	1.550,00	64,00
25.730.3205	DN 50	1.890,00	64,00
<b>25.732.1100</b>	<b>Portable Fire Extinguishers With ABC Dry Chemical Powder: (Unit: Qty.; Materials at construction site 60%)</b> The supply, on-site installation, setting and the delivery in working order of portable extinguisher, being in compliance with the standard TS 862-7 EN 3-7+A1, released with 2014/68/AB compliance marking, suitable against ABC class fires, with dry chemical powder, under steady pressure or with internal cartridge, deep drawn body made of alloyed steel, outer surfaces phosphatized and painted with protective paint against corrosion, tag in accordance with EN standards, with safety valve, cylinder valve made of brass.		
25.732.1101	1 kg	61,00	8,35
25.732.1102	2 kg	72,00	8,35
25.732.1103	4 kg	122,00	10,40
25.732.1104	6 kg	146,00	10,40
25.732.1105	9 kg	193,00	16,70
25.732.1106	12 kg	218,00	16,70
<b>25.732.1200</b>	<b>Portable Fire Extinguishers With Carbon Dioxide (CO2) Gas: (Unit: Qty.; Materials at construction site 60%)</b> The supply, on-site installation and the delivery in working order of portable extinguisher with CO2 gas, being in compliance with the standard TS 862-7 EN 3-7+A1, released with 2014/68/AB compliance marking, suitable against B and C class fires, deep drawn seamless body, tag in accordance with EN standards, with safety valve, cylinder valve made of brass.		
25.732.1201	2 kg	226,00	8,35
25.732.1202	5 kg	345,00	10,40
<b>25.732.1300</b>	<b>Portable Fire Extinguishers With Foam: (Unit: Qty.; Materials at construction site 60%)</b> The supply, on-site installation and the delivery in working order of portable extinguisher, in compliance with the standard TS 862-7 EN 3-7+A1, released with 2014/68/AB compliance marking, under steady pressure or with internal cartridge, with AFFF type foam suitable for A and B class fire, deep drawn body made of alloyed steel, mixed with demineralized water, with internal and external coating resistant to corrosion, inside of the body is additionally coated with plastic, protective external paint tag in accordance with EN standards, with high pressure safety valve, cylinder valve made of brass, approved in accordance with TS EN 3-8.		
25.732.1301	6 kg	124,00	10,40
25.732.1302	9 kg	183,00	14,50

**Fire Protection Equipment and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.732.1400</b>	<p><b>Aqueous Portable Fire Extinguishers: (Unit: Qty.; Materials at construction site 60%)</b>                      The supply, on-site installation, setting and the delivery in working order of portable extinguisher, being in compliance with the standard TS 862-7 EN 3-7+A1, released with 2014/68/AB compliance marking, containing demineralized water, under steady pressure or with internal cartridge, suitable for A class fire, deep drawn body made of alloyed steel, with internal coating resistant to corrosion, protective external paint, tag in accordance with EN standards, with safety valve, cylinder valve made of brass, approved in accordance with TS EN 3-8.</p>		
25.732.1401	6 kg	99,00	10,40
25.732.1402	9 kg	136,00	14,50
<b>25.735.1000</b>	<p><b>FIRE EXTINGUISHING WITH FOAM:(Unit: Qty.; Materials at construction site 60%)</b></p>		
25.735.1100	<p><b>Foam Fire Cabinet With 1" Hose:</b>                      The supply and on-site installation of the equipment with the provision of min. 50 L AFFF foam, sheet metal parts with min. 70 micron powder coating (RAL 3001); the reel manufactured in compliance with the Directive 97/23/EC) on Pressure Equipment, released with CE compliance marking and consisting of two steel discs with a maximum diameter of 800 mm and a circular inner piece with a diameter not less than 200 mm and a drum for hoses with 25 mm internal diameter; the hose in compliance with the standard TS EN 694+A1, round, semi-rigid, hose diameter not exceeding 30 m; nozzle can be shut-off, with water jet or spray options, conforming to the standard TS EN 671-1, in compliance with the standard DIN 14384 for making foam+water mixture, mixing foam in 1% to 6% ratios with water by venturi principle , with a 1" adjustable foam mixer, having a 50 L volume DKP sheet metal foam tank, with foam suction hose, full bore ball valve, a cabinet in appropriate sizes as to take all these equipment, use of warning signs in conformance with the Directive (92/58/EEC) on Minimum Requirements For Safety and/or Health Signs In Work Sites.</p>	5.390,00	119,00
25.735.1200	<p><b>Foam Fire Cabinet With 2"Hose:</b>                      The supply and on-site installation of the equipment with the provision of min. 50 L AFFF foam, sheet metal parts with min. 70 micron RAL 3001 powder coating; the reel manufactured in compliance with the Directive 97/23/EC) on Pressure Equipment, and consisting of two steel discs with a maximum diameter of 800 mm and a circular inner piece with a diameter not less than 100 mm and a drum for textile coated rubber hoses with 50 mm internal diameter; the hose in compliance with the standard TS EN 9222, round, hose length of 20 m; nozzle can be shut-off, with water jet or spray options, conforming to the standard TS EN 671-2, in compliance with the standard DIN 14384 for making foam+water mixture, mixing foam in 1% to 6% ratios with water by venturi principle, with a 200 L/min capacity 1" adjustable foam mixer, having a 50 L volume foam tank, with 2" foam suction hose, full bore ball valve, a cabinet in appropriate sizes as to take all these equipment, use of warning signs in conformance with the Directive (92/58/EEC) on Minimum Requirements For Safety and/or Health Signs In Work Sites.</p>	6.110,00	119,00

### Fire Protection Equipment and Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.735.2100</b>	<b>FOAM PROPORTIONER:</b> The supply of the proportioner, that can be clenched between two flanges or be of threaded type, working with venturi principle, mixing the foam with water at 3% or 6% ratio, with brass body, up to 4 bar, up to 12 bar operating pressure, internal parts made of brass.		
25.735.2101	Flow between 200-450 liters	1.880,00	298,00
25.735.2102	Flow between 450-1100 liters	2.150,00	298,00
25.735.2103	Flow between 1100-1600 liters	3.000,00	357,00
25.735.2104	Flow between 1700-2000 liters	3.750,00	357,00
25.735.2105	Flow between 2100-2400 liters	4.800,00	357,00
<b>25.735.2200</b>	<b>DIAPHRAM FOAM TANK:</b> Body made of steel for 12 bar operating pressure, the inside coated with elastomeric material, manufactured in compliance with the Directive (97/23/EC) Pressure Equipment, released with CE compliance marking, manufactured in compliance with the standard TS EN 13445 series or ASME SEC VIII DIV I, with lifting lugs on the body, having outlets for thermal relief valve, foam concentration valve, drain, filling and safety valves, with name plate. Supply and installation of equipment made of polyester designed in compliance with ASTM D-412, with foam level indicator and reinforced with neoprene polymers inside.		
25.735.2201	200 L	10.900,00	238,00
25.735.2202	400 L	14.860,00	238,00
25.735.2203	600 L	16.990,00	238,00
25.735.2204	1000 L	19.890,00	238,00
25.735.2205	1500 L	22.290,00	357,00
25.735.2206	2000 L	25.710,00	357,00
25.735.2207	2500 L	28.530,00	357,00
25.735.2208	3000 L	36.600,00	357,00
25.735.2209	3500 L	39.490,00	357,00
25.735.2210	4000 L	44.520,00	357,00
<b>25.737.1100</b>	<b>Smoke Vent Duct: (Unit: m<sup>2</sup>; Materials on construction site 60%)</b> The supply, on-site installation in conformance with the design and technical specification and delivery in working order of the air duct manufactured in compliance with the Regulation (EU) No.305/2011 Construction Products - CPR, released with CE compliance marking, in conformance with the standards TS EN 13501-4+A1; TS EN 1363-1, 2, 3; TS EN 1366-8; TS EN 12101-7, with E300 60 strength properties, made of steel plate or special material plate, smoke proof, flange connection.		
<b>25.737.1200</b>	<b>Smoke Evacuation Cover: (Unit: Set)</b> The supply and on-site installation of the smoke evacuation cover in conformance to the design, with TS EN 12101-2 test certificate, heat insulated, made of profiles resistant to the outdoor environment, made of polycarbonate, glass, acrylic or aluminum surface material according to the place of use, working with electric motors or thermal pneumatic system, controlled by electrical battery or CO2 gas panels, manually opened by way of the emergency button upon the signal from the fire automation system.		
25.737.1201	Up to 1 m <sup>2</sup>	6.290,00	570,00
25.737.1202	Up to 2 m <sup>2</sup>	7.570,00	722,00

### Fire Protection Equipment and Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>25.737.2100</b>	<p><b>Electro Mechanical Fire Curtain: (Unit: m<sup>2</sup>; Materials on construction site 60%)</b>                      The supply, on-site installation and delivery in working order of the electromechanical fire curtain with the strength calculations according to the design and approved by the administration, made of 1000°C heat resistant fireproof fabric, wrapped on a drum mounted on a frame by way of roll bearings on both sides, intermediary transmission and installation adapters on both ends of the drum resistant to bending and buckling, with two U profiles anchored to the wall and to the floor on two sides for guiding the curtain up and down, a worm gearbox with TSEK quality certificate, with protective housing in front of the gearbox, limit switch, control panel, manual operation, if necessary. Note: In case of manual operation system, installed prices shall be increased by 20% with the installation fee remaining unchanged.</p>		
25.737.2101	Up to 15 m <sup>2</sup> (price for 1 m <sup>2</sup> )	3.280,00	365,00
25.737.2102	Up to 30 m <sup>2</sup> (price for 1 m <sup>2</sup> )	2.950,00	340,00
25.737.2103	Up to 45 m <sup>2</sup> (price for 1 m <sup>2</sup> )	2.850,00	322,00
25.737.2104	Up to 65 m <sup>2</sup> (price for 1 m <sup>2</sup> )	2.560,00	294,00
<b>25.740.1100</b>	<p><b>Fire Stop Clamp (Unit: Qty.)</b>                      The supply and on-site installation of the fire stop clamp manufactured in compliance with the standard TS EN 1366-3 and the Regulation (EU) No.305/2011 Construction Products - CPR, released with CE compliance marking, produced specially for the purpose of preventing the flame and smoke of pipes made of combustible materials passing through walls and floors, to be used in the places shown in the approved design, filling the gap around the pipe during the fire with a intumescent (heat-expanding) graphite-based wrapper content, in ready-to-use condition. Pipe Diameter Range (mm)</p>		
25.740.1101	Ø32 - Ø51 Fire Stop Clamp	54,50	6,60
25.740.1102	Ø52 - Ø64 Fire Stop Clamp	63,50	6,60
25.740.1103	Ø65 - Ø78 Fire Stop Clamp	71,00	6,60
25.740.1104	Ø79 - Ø91 Fire Stop Clamp	76,00	6,60
25.740.1105	Ø92 - Ø115 Fire Stop Clamp	91,50	8,00
25.740.1106	Ø116 - Ø125 Fire Stop Clamp	120,00	8,00
25.740.1107	Ø126 - Ø170 Fire Stop Clamp	157,00	8,00
25.740.1108	Ø171 - Ø199 Fire Stop Clamp	289,00	8,00
25.740.1109	Ø200 - Ø224 Fire Stop Clamp	577,00	10,20
25.740.1110	Ø225 - Ø249 Fire Stop Clamp	724,00	10,20
25.740.1111	Ø250 - Ø300 Fire Stop Clamp	1.130,00	10,20
<b>25.740.1200</b>	<p><b>Fire Stop Wrap (Unit: Qty.)</b>                      The supply and on-site installation of the fire stop wrap manufactured in compliance with the standard TS EN 1366-3 and the Regulation (EU) No.305/2011 Construction Products - CPR, released with CE compliance marking, produced specially for the purpose of preventing the flame and smoke of pipes made of combustible materials passing through walls and floors, to be used in the places shown in the approved design, filling the gap around the pipe during the fire with a intumescent (heat-expanding) graphite-based. Pipe Diameter Range (mm)</p>		
25.740.1201	Ø32 - Ø51 Fire Stop Wrap	31,20	5,10



### Fire Protection Equipment and Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
25.740.1202	Ø52 - Ø64 Fire Stop Wrap	38,40	7,60
25.740.1203	Ø65 - Ø78 Fire Stop Wrap	45,30	7,60
25.740.1204	Ø79 - Ø91 Fire Stop Wrap	59,50	8,90
25.740.1205	Ø92 - Ø115 Fire Stop Wrap	75,50	8,90
25.740.1206	Ø116 - Ø125 Fire Stop Wrap	101,00	10,20
25.740.1207	Ø126 - Ø170 Fire Stop Wrap	136,00	10,20
25.740.1208	Ø171 - Ø199 Fire Stop Wrap	198,00	11,40



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

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**ELECTRICAL WIRING  
WORKS**

**2019**



## **GENERAL PROVISIONS AND EXPLANATIONS FOR ELECTRICAL INSTALLATIONS**

- 1- Prepared as per Article 97, Paragraph 1, Point (k) regarding the Organization and Duties of Our Ministry of the Presidential Decree no. 1 on the Organization of the President's Office.
- 2- In case there are printer's and material errors in Unit Prices, the latest values as may be corrected by the Ministry of Environment and Urbanism shall be taken as basis, and the amendments made accordingly shall be published in the page of the Directorate of Technical Board on [www.csb.gov.tr](http://www.csb.gov.tr) or directly on <https://yfk.csb.gov.tr/>.
- 3- In case of a later change in the unit price standards applied, the latest versions of the standards in effect shall apply. Furthermore, they have to be supplied to the market securely in compliance with the applicable legislation.
- 4- General Technical Specifications published by the Ministry of Environment and Urbanism shall be complementary to such unit prices and their definitions.
- 5- The unit prices including installation and installation fees given in the list include the Contractor's 25% profit and overheads.
- 6- The materials and devices in the Unit Price Lists, for which no payment shall be made for the materials on construction site shall be listed by the relevant administrations.
- 7- The rates of the materials on construction site as specified in the Unit Prices Lists are percentages of unit prices including installation. The price of the materials on construction site shall be subject to tax discount.
- 8- For the materials and products with the names, classes and types listed below, which will be used in the contracted tasks:
  - 8.1. It shall be compulsory to present a Certificate of Compliance with the Turkish Standards for any material, for which the Unit Price Definition does not include a TSE number but there is a Turkish Standard is published.
  - 8.2. Documents that certify quality and compliance with the principles provided herein as well as international or foreign standards, and technical or special specifications shall be required for the items for which a Turkish Standard is not available.
  - 8.3. Any document mentioned in the items (8.1), (8.2) should be issued by authorized bodies.
- 9- The "Directive on the Protection of Buildings from Fire" and the "Construction Materials Directive" in effect shall be followed in selection, application, and commissioning of any installation equipment.
- 10- The values listed herein are VAT exclusive.
- 11- The Unit Prices of our Ministry shall be effective from January 1, 2019, and the administrations shall update the prices for preparing an approximate cost in accordance with the "TÜİK Table of Construction Cost Index and Rates of Change" as specified in the paragraph 11/3 of the Regulation on Application of the Tenders for Construction Works.

(Effective 1 January 2019.)

## TURKISH STANDARDS TO BE FOLLOWED FOR LIFTS

SERIAL NO	TS NO.	THE SUBJECT MATTER OF THE STANDARD
1	TS EN 81-1+A3	Lifts - Safety Rules for Production and Installation - Part 1: Electric Lifts, Directive: 95/16/EC
2	TS EN 81-2+A3	Lifts - Safety Rules for Production and Installation - Part 2: Hydraulic Lifts, Directive: 95/16/EC
3	TS EN 81-21+A1	Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 21: New passenger and freight lifts in existing buildings, Directive 95/16/EC
4	TS EN 81-40	Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 40: Escalators and inclined lifting platforms for handicapped passengers, Directive 2006/42/EC (98/37/EC)
5	TS EN 81-43	Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 43: Lifts for Cranes, Directive: 2006/42/EC (98/37/EC)
6	TS EN 81-73	Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 73: Behavior of lifts during a fire, Directive 95/16/EC
7	TS CEN/TR 81-10	Lifts - Safety rules for production and installation - Basics and interpretations - Chapter 10: The systematics of EN 81 series of standards
8	TS EN 81-82	Lifts - Safety rules for production and installation - Existing lifts - Chapter 82 - Improving accessibility to existing elevators including for the handicapped
9	TS EN 81-28	Lifts - Safety rules for production and installation - Passenger and freight lifts - Chapter 28: Remote alarm for passenger and freight lifts, Directive 95/16/EC
10	TS EN 81-31	Lifts - For passenger and freight - Safety rules for production and installation - Chapter 31: Only open freight lifts
11	TS EN 81-3+A1/AC	Lifts - Safety Rules for Production and Installation - Part 3: Electric and Hydraulic Service Lifts, Directive: 2006/42/EC (98/37/EC)
12	TS EN 81-58	Lifts - Safety rules for production and installation - Examinations and tests - Chapter 58: Fire resistance test for floor doors, Directive 95/16/EC
13	TS EN 81-70	Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 70: Accessibility for passenger lifts, including the handicapped, Directive 95/16/EC

<b>14</b>	<b>TS EN 81-72</b>	Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 72: Firefighting lifts, Directive 95/16/EC
<b>15</b>	<b>TS EN 81-80</b>	Lifts - Safety rules for production and installation - Existing lifts - Chapter 80: Rules of improving the safety of the existing passenger and freight lifts
<b>16</b>	<b>TS EN 81-70/A1</b>	Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 70: Accessibility for passenger lifts, including the handicapped, Directive 95/16/EC
<b>17</b>	<b>TS EN 81-71+A1</b>	Lifts - Safety rules for production and installation - Special practices for passenger and freight lifts - Chapter 71: Vandal-resistant lifts, Directive 95/16/EC
<b>18</b>	<b>TS IEC 245-5</b>	Cables - Rubber Insulation - Chapter 5: Lift Cables with Maximum 450/750 V Nominal Voltage
<b>19</b>	<b>TS EN 627</b>	Rules of Storing and Monitoring the Data of Lifts, Escalators and Passenger Conveyors
<b>20</b>	<b>TS EN 81-3+A1/AC</b>	Lifts - Safety Rules for Production and Installation - Part 3: Electric and Hydraulic Service Lifts, Directive: 2006/42/EC (98/37/EC)
<b>21</b>	<b>TS 1812</b>	Calculation, Design and Production Rules for Lifts (for Electric Passenger and Freight Lifts)
<b>22</b>	<b>TS ISO 4190-5</b>	Lifts and Service Lifts - Chapter 5: Control Mechanisms, Signals and Additional Connections
<b>23</b>	<b>TS ISO 4190-6</b>	Lifts and Service Lifts - Chapter 6: Passenger Lifts for Residential Use - Planning and Selection
<b>24</b>	<b>TS ISO 4190-6/T1</b>	Lifts and Service Lifts - Chapter 6: Passenger Lifts for Residential Use - Planning and Selection
<b>25</b>	<b>TS ISO 7465</b>	Passenger and Freight Lifts - Guide Rails, and Type T for Lift Cabins and Counterweights
<b>26</b>	<b>TS 8237 ISO 4190-1</b>	Lifts - Dimensions for Placement - Chapter 1: Class I, class II, class III, and class IV lifts
<b>27</b>	<b>TS 8238 ISO 4190-2</b>	Lifts - Dimensions for Placement - Chapter 2: Class IV lifts
<b>28</b>	<b>TS 8239</b>	Lifts - Automatic Door Lifts - Dimensions for Placement - Class 5 Service Lifts
<b>29</b>	<b>TS EN 12016</b>	Electromagnetic compatibility - Lifts, Product range standard for escalators and passenger conveyors - Emission Directive 2004/108/EC (89/336/EEC)
<b>30</b>	<b>TS EN 12016+A1</b>	Electromagnetic compatibility - Lifts, Product range standard for escalators and passenger conveyors - Immunity Directive: 95/16/EC, 2006/42/EC (98/37/EC)
<b>31</b>	<b>TS 12255</b>	Authorized services - For lifts, escalators and passenger conveyors - Rules

<b>32</b>	<b>TS EN 12385-5</b>	Steel wire ropes - Safety - Chapter 5: Ropes for lifts, Directive: 95/16/EC
<b>33</b>	<b>TS EN 12385-5/AC</b>	Steel wire ropes - Safety - Chapter 5: Ropes for lifts, Directive: 95/16/EC
<b>34</b>	<b>TS EN 13015+A1</b>	Maintenance of lifts and escalators - Rules for maintenance instructions, Directive: 95/16/EC, 2006/42/EC (98/37/EC)
<b>35</b>	<b>TS EN 115-1+A1</b>	Safety for escalators and passenger conveyors - Chapter 1: Production and installation, Directive: 2006/42/EC (98/37/EC)
<b>36</b>	<b>TS 13299</b>	Lift and escalator maintenance and repair personnel
<b>37</b>	<b>TS IEC 60227-6</b>	Cables - Polyvinyl Chloride Insulation - Maximum Nominal Voltage: 450/750 V, Chapter 6: Lift Cables and Cables for Flexible Connections
<b>38</b>	<b>TS EN ISO 13849-1</b>	Safety with machines - Safety-related parts of control systems - Chapter 1: General principles of design
<b>39</b>	<b>TS EN 81-20</b>	Lifts - Safety rules for production and installation - Passenger and freight lifts - Chapter 20: Passenger and freight lifts
<b>40</b>	<b>TS EN 81-50</b>	Safety rules for production and installation of lifts - Examinations and tests - Chapter 50: Design rules, calculations, examinations and tests for lift components
<b>41</b>	<b>TS EN 81-41</b>	Lifts - Safety rules for production and installation - Calculations, examinations and tests of passenger and freight lifts

## TURKISH STANDARDS TO BE FOLLOWED FOR DIESEL GENERATOR SETS

<b>SERIAL NO</b>	<b>TS. NO.</b>	<b>NAME OF THE STANDARD</b>
1	TS ISO 8528-1	Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 1: Implementation, nominal values and performance
2	TS ISO 8528-2	Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 2: Engines
3	TS ISO 8528-3	Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 3: Alternative current generators for generator sets
4	TS ISO 8528-4	Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 4: Control mechanism and connection equipment
5	TS ISO 8528-5	Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 5: Generator sets
6	TS ISO 8528-6	Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 6: Test methods
7	TS ISO 8528-7	Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 7: Technical notices for design and specifications
8	TS ISO 8528-8	Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 8: Low power generator groups - Specifications and tests
9	TS ISO 8528-9	Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 9: Measurement and assessment of mechanical vibrations
10	TS ISO 8528-10	Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 10: Measurement of airborne noise by enveloping surface method
11	TS ISO 8528-12	Alternative current generator sets driven by reciprocating internal combustion engines - Chapter 12: Emergency power supply for security services
12	TS EN 12601	Generator Sets Driven by Reciprocating Internal Combustion Engines - Safety
13	TS HD 60364-5-551	Electrical wiring in buildings - Chapter 5: Selection and installation of electric equipment - Group 55: Other equipment - Part 551: Low-voltage generator sets
14	TS 4218	Internal combustion piston engines - performance - standard reference conditions, specification of power, fuel consumption and oil consumption
15	TS EN 60204-1/A1	Safety with machines - Electrical equipment of machines - Chapter 1: General rules

## **NOTES:**

**1-** Radioactive lightning rods shall not be used in tenders starting from 2002.

**2-**The standards TS EN 62305-1, TS EN 62305-2, TS EN 62305-3, TS EN 62305-4, TS EN 50164-1, TS EN 50164-1, and TS EN 50164-2, and the Regulation on Grounding in Electrical Installations as published in the Official Gazette no. 24500 dated 21 August 2001 shall be taken as basis.

**3-** Radio antennae and/or TV or GSM antennae on the roofs of the buildings to be applied external protection shall also be protected by overvoltage devices. Grounding of such devices shall be as described in the Regulation on Grounding in Electrical Installations as published in the Official Gazette no. 24500 dated 21 August 2001.

**4-** The Administration may request a document obtained from an accredited National or International laboratory for any type (protection diameter).

**5-** The item 718-500 shall be taken as basis for the payments for enclosure-type overvoltage protectors.





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**HIGH CURRENT INTERIOR WIRING  
UNIT PRICES AND DEFINITIONS**

**2019**

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.100.0000</b>	<b>ENCLOSURES:</b>		
<b>35.100.1000</b>	<p><b>Floor-standing galvanized steel enclosures (1st enclosure): (Unit: Qty.)</b></p> <p>The enclosure frame, its doors, its covers, body, and all internal installation structure components used within, and its base shall be made of pre-galvanized steel sheet minimum 2-mm in thickness, and be minimum 2000-mm in height. All connections shall be made by fittings such as bolts and nuts or rivets. Also the base of the panel shall be minimum 10-cm high, and fixed to the panel with anchors and galvanized bolts at its four corners. The interior, exterior and frame of enclosures shall be coated with electrostatic powder. Perforated frames, supports, etc. shall be available on the enclosure based on the devices to be installed on enclosures as per the project design, and phases shall be painted in gray, black, and brown, busbars and insulators in neutral light blue as well as green/yellow earthing shall be installed as per TS EN 60445. The enclosures shall be manufactured in compliance with the 2014/35/EU Low Voltage Directive (LVD) and TS EN 61439-1/2 standards, and released with the CE compliance marking. The degree of protection of enclosures against mechanical impact shall be IK 10 in accordance with the TS EN 62262 standard. "Type tests" shall be run as per the standards of TS EN 61439-1/2, and the results of such tests shall be submitted to the Administration. Production, transportation to the site and installation of paint, insulator connection conductors, any kind of small material including labor and installation (excluding the cost of copper busbar and surge arrester) of first galvanized steel enclosures, and delivery of labels required for each device, any kind of material, and terminal blocks in working order including labor.</p>		
<b>35.100.1100</b>	<b>Minimum depth 400 mm:</b>		
35.100.1101	Galvanized steel floor-standing enclosure, minimum width 400 mm.	2.120,00	304,00
35.100.1102	Galvanized steel floor-standing enclosure, minimum width 500 mm.	2.280,00	309,00
35.100.1103	Galvanized steel floor-standing enclosure, minimum width 600 mm.	2.410,00	315,00
35.100.1104	Galvanized steel floor-standing enclosure, minimum width 700 mm.	2.580,00	323,00
35.100.1105	Galvanized steel floor-standing enclosure, minimum width 800 mm.	2.710,00	329,00
35.100.1106	Galvanized steel floor-standing enclosure, minimum width 900 mm.	2.910,00	334,00
35.100.1107	Galvanized steel floor-standing enclosure, minimum width 1000 mm.	3.140,00	341,00
35.100.1108	Galvanized steel floor-standing enclosure, minimum width 1200 mm.	3.350,00	348,00
<b>35.100.1150</b>	<b>Minimum depth 500 mm:</b>		
35.100.1151	Galvanized steel floor-standing enclosure, minimum width 400 mm.	2.180,00	309,00
35.100.1152	Galvanized steel floor-standing enclosure, minimum width 500 mm.	2.350,00	315,00
35.100.1153	Galvanized steel floor-standing enclosure, minimum width 600 mm.	2.480,00	323,00
35.100.1154	Galvanized steel floor-standing enclosure, minimum width 700 mm.	2.660,00	329,00
35.100.1155	Galvanized steel floor-standing enclosure, minimum width 800 mm.	2.790,00	336,00
35.100.1156	Galvanized steel floor-standing enclosure, minimum width 900 mm.	3.000,00	342,00
35.100.1157	Galvanized steel floor-standing enclosure, minimum width 1000 mm.	3.230,00	348,00
35.100.1158	Galvanized steel floor-standing enclosure, minimum width 1200 mm.	3.440,00	355,00
<b>35.100.1200</b>	<b>Minimum depth 600 mm:</b>		
35.100.1201	Galvanized steel floor-standing enclosure, minimum width 400 mm.	2.270,00	315,00
35.100.1202	Galvanized steel floor-standing enclosure, minimum width 500 mm.	2.470,00	322,00
35.100.1203	Galvanized steel floor-standing enclosure, minimum width 600 mm.	2.600,00	329,00
35.100.1204	Galvanized steel floor-standing enclosure, minimum width 700 mm.	2.790,00	336,00
35.100.1205	Galvanized steel floor-standing enclosure, minimum width 800 mm.	2.920,00	342,00
35.100.1206	Galvanized steel floor-standing enclosure, minimum width 900 mm.	3.130,00	348,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.100.1207	Galvanized steel floor-standing enclosure, minimum width 1000 mm.	3.380,00	355,00
35.100.1208	Galvanized steel floor-standing enclosure, minimum width 1200 mm.	3.610,00	362,00
<b>35.100.1250</b>	<b>Minimum depth 800 mm:</b>		
35.100.1251	Galvanized steel floor-standing enclosure, minimum width 400 mm.	2.400,00	322,00
35.100.1252	Galvanized steel floor-standing enclosure, minimum width 500 mm.	2.600,00	328,00
35.100.1253	Galvanized steel floor-standing enclosure, minimum width 600 mm.	2.740,00	336,00
35.100.1254	Galvanized steel floor-standing enclosure, minimum width 700 mm.	2.930,00	342,00
35.100.1255	Galvanized steel floor-standing enclosure, minimum width 800 mm.	3.080,00	350,00
35.100.1256	Galvanized steel floor-standing enclosure, minimum width 900 mm.	3.310,00	355,00
35.100.1257	Galvanized steel floor-standing enclosure, minimum width 1000 mm.	3.570,00	362,00
35.100.1258	Galvanized steel floor-standing enclosure, minimum width 1200 mm.	3.800,00	370,00
<b>35.100.1300</b>	<b>Additional galvanized steel enclosures: (Unit: Qty. Materials on construction site: 60%)</b> Delivery of additional enclosures built by connection of the frames of adjacent enclosures by bolts in compliance with the specifications of the Price No. 35.100.1000 in working order including any kind of material and labor.		
35.100.1301	Additional galvanized steel floor-standing enclosure, minimum width 400 mm.	1.920,00	280,00
35.100.1302	Additional galvanized steel floor-standing enclosure, minimum width 500 mm.	2.080,00	286,00
35.100.1303	Additional galvanized steel floor-standing enclosure, minimum width 600 mm.	2.190,00	291,00
35.100.1304	Additional galvanized steel floor-standing enclosure, minimum width 700 mm.	2.350,00	298,00
35.100.1305	Additional galvanized steel floor-standing enclosure, minimum width 800 mm.	2.450,00	304,00
35.100.1306	Additional galvanized steel floor-standing enclosure, minimum width 900 mm.	2.650,00	310,00
35.100.1307	Additional galvanized steel floor-standing enclosure, minimum width 1000 mm.	2.840,00	315,00
35.100.1308	Additional galvanized steel floor-standing enclosure, minimum width 1200 mm.	3.040,00	322,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.100.2100</b>	<p><b>Surface-mounted galvanized steel electric panels (Unit: Qty.)</b>                      The body and doors of the enclosures shall be made of pre-galvanized steel sheet that is minimum 1 mm thickness for the enclosures sized up to 0.5 m<sup>2</sup>, and minimum 1.5 mm thickness for the enclosures larger than 0.5 m<sup>2</sup>. It shall be minimum 200 mm in depth and all connections shall be made by fittings such as bolts and nuts or rivets. The holes required for cable entry shall be drilled on the cover, and bakelite or plastic bushings shall be installed in the holes to keep the insulation of the conductors intact. Also, labels for each device shall be affixed on the internal cover. Gray, black and brown, fireproof terminal blocks or busbars, light blue neutral and green/yellow earthing busbars in compliance with TS EN 60445 shall be available in sufficient number for the phase lines inside the enclosure. Inside and outside of the enclosure shall be coated with electrostatic powder, and the enclosure door shall be attached to the main body by flexible conductors and earthed. Supply, transportation to the work site and installation of the enclosure in working order including any material, terminal blocks and labor. Unit: m<sup>2</sup> values specified in sub-items stand for the area of the internal cover. The fuse switches, etc. and earthing installation inside the enclosure shall be paid separately. Note: The enclosures shall be manufactured in compliance with the 2014/35/EU Low Voltage Directive (LVD) and TS EN 61439-1/2 standards, and released with the CE compliance marking. The degree of protection of enclosures against mechanical impact shall be IK 08 in accordance with the TS EN 62262 standard. "Type tests" shall be run as per the standards of TS EN 61439-1/2, and the results of such tests shall be submitted to the Administration.</p>		
35.100.2101	From 0.05 to 0.10 m <sup>2</sup> (including 0.10 m <sup>2</sup> )	248,00	26,40
35.100.2102	From 0.10 to 0.20 m <sup>2</sup> (including 0.20 m <sup>2</sup> )	321,00	26,40
35.100.2103	From 0.20 to 0.30 m <sup>2</sup> (including 0.30 m <sup>2</sup> )	394,00	30,20
35.100.2104	From 0.30 to 0.40 m <sup>2</sup> (including 0.40 m <sup>2</sup> )	510,00	30,20
35.100.2105	From 0.40 to 0.50 m <sup>2</sup> (including 0.50 m <sup>2</sup> )	650,00	26,40
35.100.2106	From 0.50 to 0.60 m <sup>2</sup> (including 0.60 m <sup>2</sup> )	842,00	37,50
35.100.2107	From 0.60 to 0.70 m <sup>2</sup> (including 0.70 m <sup>2</sup> )	942,00	37,50
35.100.2108	From 0.70 to 0.80 m <sup>2</sup> (including 0.80 m <sup>2</sup> )	1.100,00	43,10
35.100.2109	From 0.80 to 0.90 m <sup>2</sup> (including 0.90 m <sup>2</sup> )	1.270,00	43,10
35.100.2110	From 0.90 to 1.00 m <sup>2</sup> (including 1.00 m <sup>2</sup> )	1.420,00	57,00
<b>35.100.2200</b>	<p><b>Flush-mounted galvanized steel electric panels (Unit: Qty.)</b>                      Supply, transportation to the work site and installation, and delivery in working order including any material, terminal blocks and labor of a flush-mounted galvanized steel enclosure that is minimum 150 mm deep and is equipped with a galvanized fixing frame for wall mounting and identical with Unit price no. 35.100.2100 in terms of other specifications. Unit: Identical with the Unit Price No. 35.100.2100. Note: The enclosures shall be manufactured in compliance with the 2014/35/EU Low Voltage Directive (LVD) and TS EN 61439-1/2 standards, and released with the CE compliance marking. The degree of protection of enclosures against mechanical impact shall be minimum IK 08 in accordance with the TS EN 62262 standard. "Type tests" shall be run as per the standards of TS EN 61439-1/2, and the results of such tests shall be submitted to the Administration.</p>		
35.100.2201	From 0.05 to 0.10 m <sup>2</sup> (including 0.10 m <sup>2</sup> )	259,00	26,40
35.100.2202	From 0.10 - 0.20 m <sup>2</sup> (including 0.20 m <sup>2</sup> )	335,00	26,40
35.100.2203	From 0.20 to 0.30 m <sup>2</sup> (including 0.30 m <sup>2</sup> )	426,00	30,20
35.100.2204	From 0.30 to 0.40 m <sup>2</sup> (including 0.40 m <sup>2</sup> )	581,00	30,20
35.100.2205	From 0.40 to 0.50 m <sup>2</sup> (including 0.50 m <sup>2</sup> )	694,00	26,40

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.100.2206	From 0.50 to 0.60 m <sup>2</sup> (including 0.60 m <sup>2</sup> )	882,00	37,50
35.100.2207	From 0.60 to 0.70 m <sup>2</sup> (including 0.70 m <sup>2</sup> )	987,00	37,50
35.100.2208	From 0.70 to 0.80 m <sup>2</sup> (including 0.80 m <sup>2</sup> )	1.150,00	43,10
35.100.2209	From 0.80 to 0.90 m <sup>2</sup> (including 0.90 m <sup>2</sup> )	1.330,00	43,10
35.100.2210	From 0.90 to 1.00 m <sup>2</sup> (including 1.00 m <sup>2</sup> )	1.490,00	57,00
<b>35.100.6100</b>	<p><b>Steel enclosures (1st enclosure): (Unit: Qty.: Materials on construction site: 60%) (TS EN 61439-1/2).</b></p> <p>Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration. Enclosures that are 2100 mm in height, at least 500 mm in depth, and 800 to 900 mm in width as may be needed, and made from 40 x 40 x 4 mm bracket or a similar profile iron in free-standing system with a frame that is made of DKP steel sheet minimum in 2 mm thickness and covered with the same type of steel sheet shall be installed. A concrete base 10-cm in height shall be built on the floor for the enclosure which shall be installed by its four corners with anchors and galvanized bolts. A wire mesh housing shall be built with steel sheet up to 1 meter from the ground and the upper part made of Ø3 mm steel wire with 30-mm openings including doors on both sides of the tunnel 75-cm in width at the back of the tray with one of such doors being foldable. The interior, exterior and the frame of the enclosure shall be coated with a layer of red lead, two layers of matte gun-sprayed paint and oven-dried, the service tunnel behind the tray shall be made of wood and coated with PVC or linoleum. Where additional steel enclosures are used, the fixed wire mesh housing and the steel sheet part at the joint surface of the additional enclosure and the enclosure shall be installed to the end of the steel enclosures, and service tunnel furnishings shall be extended along the additional enclosures. Where required by the inspection authority, wooden railings that are 80 to 100 cm in height, painted in the same color as the enclosure, and with a section size of 5 x 10 cm shall be built, and the tunnel behind the panel shall be covered with a wire mesh housing that is made from Ø3 mm steel wires with 30 mm openings. Perforated frames, supports, etc. shall be available on the enclosure based on the devices to be installed on enclosures as per the project design, and phases shall be painted in gray, black, and brown, busbars and insulators in neutral light blue as per TS EN 60445, and where necessary, the panels shall be equipped with a L.V. surge arresters and green/yellow earthing lines. Production, transportation to the site and installation of paint, insulator connection conductors, any kind of small material including labor and installation (excluding the cost of copper busbar, lockable wire mesh door and wire mesh housing and surge arrester) of a 1st steel enclosure, and delivery of labels required for each device, any kind of material, and electric terminal blocks in working order including labor.</p>		
35.100.6101	800 mm width	2.490,00	336,00
35.100.6102	<p><b>900 mm width</b></p> <p>Note: Where wooden railings are made, it shall be paid at construction unit prices.</p>	2.670,00	342,00
<b>35.100.6200</b>	<p><b>Specific steel enclosures: Unit: Qty. Materials on construction site: 60%) (TS EN 61439-1/2)</b></p> <p><b>Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration.</b></p> <p>A fully enclosed panel with 1800-mm height, 350-mm depth and 500-mm width, covered with 2-mm DKP steel sheet, and installed on a bracket or iron profile frame; drilling of the holes necessary per the relevant project design on the enclosure with locked doors in front, at the back or on both sides, coating the internal and external frames of the panel with oven-dried or cellulose paint, including the supply of any material and terminal blocks for connections, installation and labor.</p>		
35.100.6201	Enclosure with front cover	2.280,00	304,00
35.100.6202	Enclosure with front and rear cover	2.390,00	304,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.100.6300</b>	<p><b>Additional steel enclosures: (Unit: Qty. Materials on construction site: 60%)</b>                      An additional steel enclosure shall be built under the same conditions as the Unit Price No. 35.100.6100 and with the modifications given below. These enclosures shall have a steel sheet on their front side only. They shall be installed with the 1st enclosure and only the last enclosure shall be equipped with an wire mesh housing adjacent to the panel. Adjacent enclosures shall be joined by attachment of the frame by bolts.</p>		
35.100.6301	800 mm width	1.750,00	304,00
35.100.6302	900 mm width	1.960,00	304,00
35.100.6350	<p><b>Wire mesh steel door: (Unit: m<sup>2</sup>, Materials on construction site: 60%)</b>                      Installation of wire mesh steel doors at the same height as the enclosure and that are made from 2-mm DKP steel sheet up to 1 m from the ground and wire mesh housing made with 30-mm openings made from Ø3-mm steel wires for covering of the tunnel 75-cm in width behind the enclosure and its placement behind the enclosure where necessary, including a lock that can be opened with a Yale key and a frame Production, transportation to the work site, and installation on the panel, of a single mesh sheet metal door, including DKP sheet metal, building a door with upper side designed as wire mesh that is made from Ø3 mm steel wires with 30-mm openings, a lock that can be unlocked with a Yale key, 40 x 40 x 4 mm bracket or a similar iron profile frame, any small material, which is coated with a single layer of red lead, two layers of gun-sprayed paint, and oven dried including labor. Unit: The area of the wire mesh steel door shall be taken in m<sup>2</sup>.</p>	110,00	31,90
35.100.6351	<p><b>Housing with wire mesh: (Unit: m<sup>2</sup>, Materials on construction site: 60%)</b>                      Production, transportation to the work site, and installation, of a wire mesh housing with the same specifications as the Unit Price No. 35.100.6350.</p>	99,50	31,90

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.100.6400</b>	<p><b>Surface-mounted steel electric panels: (Unit: Qty., Materials on construction site: 60%) (TS EN 61439-1/2) Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration.</b></p> <p>A surface-mounted platform made from DKP steel sheet minimum 1-mm in thickness shall be installed. The panel shall consist of three parts. A lockable door, a steel box with bracket or profile frame and a key lock, an internal door with holes on the chassis supporting the devices for controlling the devices, and means of attachment welded on the steel box, which shall facilitate attachment and removal of the chassis. Depending on the project design, the box shall have an opening on the side through which various conductors are to enter the box, and the said opening shall be covered with a steel sheet cap mounted on the box with screws. The holes required for cable entry shall be drilled on the cover, and bakelite or plastic bushings shall be installed in the holes to keep the insulation of the conductors intact. The chassis shall be placed on brackets or a panel made of bent DKP. It shall be possible to mount all devices, terminal blocks and similar equipment on the chassis. The internal door with holes shall be easily mountable on the chassis for controlling the devices on the panel. Once the internal door is removed, all connections and devices in the panel shall be exposed, and this door shall be decorated with tags for each device. The aforementioned three parts shall be detachable without removing the panel.</p> <p>The projects concerning placement of devices in the panel shall be prepared in compliance with the type projects, submitted to the administration for approval, and manufactured only thereafter. A sufficient number of gray, black and brown, fireproof terminal blocks or busbars, and light blue neutral and green/yellow earthing busbars shall be available for the phase lines on the panel in compliance with TS EN 60445, and all iron parts shall be coated in a layer of red lead and two layers of gun-sprayed paint, and the panel's door shall be attached to the main body with a flexible conductor and earthed. Supply, transportation to the work site and installation of the panel. Delivery in working order, including any material and electric terminal blocks and labor. Unit: The internal door area shall be compared to the values given in the approved project, and the payment shall be made accordingly. This amount includes any small material, paint, connection and installation. The fuse switches, etc. and earthing installation on the panel shall be paid separately.</p>		
35.100.6401	From 0.05 to 0.10 m <sup>2</sup> (including 0.10 m <sup>2</sup> )	194,00	26,40
35.100.6402	From 0.10 to 0.20 m <sup>2</sup> (including 0.20 m <sup>2</sup> )	254,00	26,40
35.100.6403	From 0.20 to 0.30 m <sup>2</sup> (including 0.30 m <sup>2</sup> )	321,00	30,20
35.100.6404	From 0.30 to 0.40 m <sup>2</sup> (including 0.40 m <sup>2</sup> )	448,00	30,20
35.100.6405	From 0.40 to 0.50 m <sup>2</sup> (including 0.50 m <sup>2</sup> )	556,00	37,50
<b>35.100.6500</b>	<p><b>Flush-mounted steel electric panels (Unit: Qty. Materials on construction site: 60%) (TS EN 61439-1/2) Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration.</b></p> <p>The Unit Price No. 35.100.6400 shall apply. In addition, an iron profile mounting frame shall be available for flush mounting the box in the wall. The steel sheet box shall be easily mountable on this mounting frame. Unit: Same as the Unit Price No. 35.100.6400.</p>		
35.100.6501	From 0.05 to 0.10 m <sup>2</sup> (including 0.10 m <sup>2</sup> )	201,00	26,40
35.100.6502	From 0.10 to 0.20 m <sup>2</sup> (including 0.20 m <sup>2</sup> )	265,00	26,40
35.100.6503	From 0.20 to 0.30 m <sup>2</sup> (including 0.30 m <sup>2</sup> )	359,00	30,20

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.100.6504	From 0.30 to 0.40 m <sup>2</sup> (including 0.40 m <sup>2</sup> )	507,00	30,20
35.100.6505	From 0.40 to 0.50 m <sup>2</sup> (including 0.50 m <sup>2</sup> )	623,00	37,50
<b>35.100.6550</b>	<p><b>Special power cables for air conditioning, ventilation and cooling systems:</b> Drilling of installation holes for installation of air conditioning, ventilation and cooling systems shall be as specified for the items 35.100.2100-2200-6400-6500-6560 and 6580 for other specifications, and unit prices including installation and installation charges in this unit price shall be implemented with a 25% surcharge, depending on the relevant project. (The unit prices of automatic control and indicator instruments shall be paid separately based on the relevant unit prices without any extra charge) TS EN 61439-1/2 standards shall apply. Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration.</p>		
35.100.6560	<p><b>Government lodging-type steel electric panels up to 0.05 m<sup>2</sup>: (Unit: Qty., Materials on construction site: 60%) Note: "Type tests" shall be run, and the results of such tests shall be submitted to the Administration.</b> Supply of surface-mounted DKP sheet metal panels in 0.5-mm thickness coated with a layer of red lead and two layers of gun-sprayed paint for buildings such as government lodgings, apartments, etc. It shall be bent to form a u-profile with a wing firmly attached to the fuse slots so as to fix the fuse bodies and the other wing firmly attached to the base so that the caps of fuse buttons are left outside and easily removed. Installation in its designated location (except for the fuses), and delivery including any material and labor.</p>	75,50	9,25
<b>35.100.6580</b>	<p><b>Government lodging-type electric panel with miniature circuit breaker: (Unit: Qty., Materials on construction site: 60%)</b> The same as 35.100.6560, and shall be manufactured exclusively for automatic breakers. (Except for switched fuses.)</p>		
35.100.6581	For 4 automatic circuit breakers	18,70	9,25
35.100.6582	For 8 automatic circuit breakers	21,40	9,25
35.100.6583	For 12 automatic circuit breakers	25,40	9,25
35.100.7000	Supply and installation, and coloring in compliance with TS EN 60445 of TSE-compliant copper busbars to be placed in cast metal boxes and enclosures: (Unit: kg; Materials on construction site: 60%)	39,20	4,70
<b>35.100.7100</b>	<p><b>Halogen-free, flame-retardant, surface-mounted panels: (Unit: Qty.; Materials on construction site: 60%)</b> IEC 60331, TS 61034, TS 50200, TS EN 50266, TS EN 50267 Note: 1- Type tests shall be conducted, and the tests results shall be submitted to the Administration. 2- Fuses shall be paid separately as specified in the relevant items.</p>		
35.100.7101	For 4 automatic circuit breakers	24,60	9,25
35.100.7102	For 6 automatic circuit breakers	32,90	9,25
35.100.7103	For 8 automatic circuit breakers	41,20	9,25
35.100.7104	For 12 automatic circuit breakers	49,00	9,25
35.100.7105	For 16 automatic circuit breakers	63,00	9,25
35.100.7106	For 18 automatic circuit breakers	77,50	9,25
35.100.7107	For 24 automatic circuit breakers	88,00	9,25
35.100.7108	For 36 automatic circuit breakers	116,00	9,25



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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.100.7200</b>	<b>Halogen-free, flame-retardant, flush-mounted panels: (Unit: Qty.; Materials on construction site: 60%)</b> IEC 60331, TS 61034, TS 50200, TS EN 50266, TS EN 50267 Note: 1- Type tests shall be conducted, and the tests results shall be submitted to the Administration. 2- Fuses shall be paid separately as specified in the relevant items.		
35.100.7201	For 4 automatic circuit breakers	24,60	9,25
35.100.7202	For 6 automatic circuit breakers	32,90	9,25
35.100.7203	For 8 automatic circuit breakers	41,20	9,25
35.100.7204	For 12 automatic circuit breakers	49,00	9,25
35.100.7205	For 16 automatic circuit breakers	63,00	9,25
35.100.7206	For 18 automatic circuit breakers	77,50	9,25
35.100.7207	For 24 automatic circuit breakers	88,00	9,25
35.100.7208	For 36 automatic circuit breakers	116,00	9,25
<b>35.105.0000</b>	<b>PROTECTION, CONTROL AND SWITCHING PRODUCTS</b>		
<b>35.105.1000</b>	<b>CIRCUIT BREAKERS:</b>		
<b>35.105.1100</b>	<b>Miniature Circuit Breakers (with 3-kA breaking capacity): (Unit: Qty.)</b> Supply and installation, including any material and labor, of an automatic circuit breaker with 3-kA short-circuit breaking capacity, 2 and 4 pole versions of which are capable of breaking neutral and phase lines, B or C curve, which was manufactured in compliance with the TS 5018-1 EN 60898-1 standards and released with CE compliance marking, and which also functions as a switch.		
35.105.1110	Up to 16 A (3 kA)	15,40	6,65
35.105.1111	Up to 25 A (3 kA)	15,40	6,65
35.105.1112	Up to 40 A (3 kA)	16,50	6,65
35.105.1113	Up to 63 A (3 kA)	18,80	6,65
35.105.1120	Single-phase, neutral-breaking, Up to 16 A (3 kA)	27,40	6,90
35.105.1121	Single-phase, neutral-breaking, Up to 25 A (3 kA)	27,40	6,90
35.105.1122	Single-phase, neutral-breaking, Up to 40 A (3 kA)	32,40	6,90
35.105.1123	Single-phase, neutral-breaking, Up to 63 A (3 kA)	36,00	6,90
35.105.1130	3-phase, Up to 16 A (3 kA)	35,80	6,90
35.105.1131	3-phase, Up to 25 A (3 kA)	35,80	6,90
35.105.1132	3-phase, Up to 40 A (3 kA)	45,90	6,90
35.105.1133	3-phase, Up to 63 A (3 kA)	52,50	6,90
35.105.1140	3-phase, neutral-breaking, Up to 16 A (3 kA)	46,80	6,90
35.105.1141	3-phase, neutral-breaking, Up to 25 A (3 kA)	46,80	6,90
35.105.1142	3-phase, neutral-breaking, Up to 40 A (3 kA)	55,00	6,90
35.105.1143	3-phase, neutral-breaking, Up to 63 A (3 kA)	68,00	6,90
<b>35.105.1200</b>	<b>Miniature Circuit Breakers (with 6-kA breaking capacity): (Unit: Qty.)</b> Supply and installation, including any material and labor, of an automatic circuit breaker with 6-kA short-circuit breaking capacity, which has the same specifications as the item 35.105.1100.		
35.105.1210	Up to 16 A (6 kA)	18,00	6,65
35.105.1211	Up to 25 A (6 kA)	18,00	6,65
35.105.1212	Up to 40 A (6 kA)	20,80	6,65
35.105.1213	Up to 63 A (6 kA)	26,30	6,65
35.105.1220	Single-phase, neutral-breaking, Up to 16 A (6 kA)	46,00	6,90
35.105.1221	Single-phase, neutral-breaking, Up to 25 A (6 kA)	46,00	6,90

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.105.1222	Single-phase, neutral-breaking, Up to 40 A (6 kA)	54,50	6,90
35.105.1223	Single-phase, neutral-breaking, Up to 63 A (6 kA)	66,00	6,90
35.105.1230	3-phase, Up to 16 A (6 kA)	36,30	6,90
35.105.1231	3-phase, Up to 25 A (6 kA)	36,30	6,90
35.105.1232	3-phase, Up to 40 A (6 kA)	41,40	6,90
35.105.1233	3-phase, Up to 63 A (6 kA)	54,00	6,90
35.105.1240	3-phase, neutral-breaking, Up to 16 A (6 kA)	62,50	6,90
35.105.1241	3-phase, neutral-breaking, Up to 25 A (6 kA)	62,50	6,90
35.105.1242	3-phase, neutral-breaking, Up to 40 A (6 kA)	72,00	6,90
35.105.1243	3-phase, neutral-breaking, Up to 63 A (6 kA)	97,00	6,90
<b>35.105.1300</b>	<p><b>Miniature Circuit Breakers (with 10-kA breaking capacity):</b>  <b>(Unit: Qty.)</b>                      Supply and installation, including any material and labor, of an automatic circuit breaker with 10-kA short-circuit breaking capacity, which has the same specifications as the item 35.105.1100.</p>		
35.105.1310	Up to 16 A (10 kA)	25,00	6,65
35.105.1311	Up to 25 A (10 kA)	25,00	6,65
35.105.1312	Up to 40 A (10 kA)	28,50	6,65
35.105.1313	Up to 63 A (10 kA)	33,90	6,65
35.105.1320	Single-phase, neutral-breaking, Up to 16 A (10 kA)	73,50	6,90
35.105.1321	Single-phase, neutral-breaking, Up to 25 A (10 kA)	73,50	6,90
35.105.1322	Single-phase, neutral-breaking, Up to 40 A (10 kA)	78,00	6,90
35.105.1323	Single-phase, neutral-breaking, Up to 63 A (10 kA)	99,00	6,90
35.105.1330	3-phase, Up to 16 A (10 kA)	49,50	6,90
35.105.1331	3-phase, Up to 25 A (10 kA)	49,50	6,90
35.105.1332	3-phase, Up to 40 A (10 kA)	55,00	6,90
35.105.1333	3-phase, Up to 63 A (10 kA)	71,50	6,90
35.105.1340	3-phase, neutral-breaking, Up to 16 A (10 kA)	92,00	6,90
35.105.1341	3-phase, neutral-breaking, Up to 25 A (10 kA)	92,00	6,90
35.105.1342	3-phase, neutral-breaking, Up to 40 A (10 kA)	99,00	6,90
35.105.1343	3-phase, neutral-breaking, Up to 63 A (10 kA)	123,00	6,90
<b>35.105.1500</b>	<p><b>Knife Fuses (Unit: Qty.) (TS EN 60269-1)</b>                      Supply and installation, including any labor, material and gloves for removing the fuse cartridge for each type of fuse in similar size in each panel, of knife fuses complete with their bases, of which cartridge bodies are made of steatite or BMC with a high strength against short circuit current, which have undergone type tests, and have a minimum breaking capacity of 100 kA at 400 V. The cartridges shall not be made of low quality porcelain. The unit price shall be raised by 20% for 120 kA breaking capacity, and the installation charge shall not change. (BMC: Bould Molded Case)</p>		
35.105.1501	Up to 25 A	20,50	7,25
35.105.1502	Up to 63 A	20,50	7,25
35.105.1503	Up to 100 A	20,50	7,25
35.105.1504	Up to 160 A	24,10	7,25
35.105.1505	Up to 250 A	36,30	7,25
35.105.1506	Up to 400 A	51,50	7,25
35.105.1507	Up to 630 A	81,50	7,25
35.105.1508	Up to 1000 A	391,00	7,25

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.105.1600</b>	<b>Fuse Switches: (Fuse Knife Disconnectors) (Unit: Qty., Materials on construction site: 60%) (TS EN 60947-3)</b> Supply and installation, including any material and labor, of switches which were type-tested in compliance with the AC 23 class, which are capable of breaking on both sides, made of V0 fire-resistant fiberglass-reinforced polyester, sheds the energy off its contacts when the current is cut out, which has knife fuses with arc suppression cells depending on the current to be used in the switch body, and has a minimum breaking capacity of 60 kA. If the breaking capacity is above 60 kA, the unit price shall be raised by 20%, and the original installation charge shall apply without any surcharge.		
35.105.1601	Up to 3 x 25 A (3-phase)	162,00	16,00
35.105.1602	Up to 3 x 63 A (3-phase)	162,00	16,00
35.105.1603	Up to 3 x 100 A (3-phase)	162,00	16,00
35.105.1604	Up to 3 x 160 A (3-phase)	182,00	16,00
35.105.1605	Up to 3 x 250 A (3-phase)	276,00	16,00
35.105.1606	Up to 3 x 400 A (3-phase)	339,00	18,80
35.105.1607	Up to 3 x 630 A (3-phase)	516,00	18,80
<b>35.110.1000</b>	<b>Molded-case circuit breakers: (Unit: Qty.)</b> Supply and installation, including any material and labor, of compact latching switches capable of breaking in air environment, equipped with an activation mechanism independent of hand movements, and with thermal overload and magnetic short-circuit protection and with an Ics equivalent to minimum 50% of the Icu value, and which bear a CE compliance marking and comply with the TS EN 60947-2 standard. (I1: Adjustable thermal protection activation current, I3: Fixed or adjustable magnetic protection activation current, In: Nominal current, Icu: Short-circuit breaking capacity, Ics: Operating short-circuit breaking capacity). Note: The items shall have undergone type tests.		
<b>35.110.1100</b>	<b>3-pole, minimum Icu at 400 V AC: 35 kA, adjustable thermal protection, fixed magnetic protection</b>		
35.110.1101	3 x 10 A to 3 x 63 A, Icu: 35 kA, I1: (0.8-1)In	297,00	20,70
35.110.1102	Up to 3 x 100 A, Icu: 35 kA, I1: (0.8-1)In	310,00	20,70
35.110.1103	Up to 3 x 125 A, Icu: 35 kA, I1: (0.8-1)In	324,00	20,70
35.110.1104	Up to 3 x 160 A, Icu: 35 kA, I1: (0.8-1)In	354,00	20,70
35.110.1105	Up to 3 x 200 A, Icu: 35 kA, I1: (0.8-1)In	411,00	20,70
35.110.1106	Up to 3 x 250 A, Icu: 35 kA, I1: (0.8-1)In	488,00	20,70
35.110.1107	Up to 3 x 300 A (3-phase), Icu:35 kA, I1:(0.8-1)In	641,00	20,70
<b>35.110.1150</b>	<b>3-pole, minimum Icu at 400 V AC: 35 kA, adjustable thermal protection, magnetic protection setting</b>		
35.110.1151	Up to 3 x 400 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In	1.120,00	20,70
35.110.1152	Up to 3 x 500 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In	1.500,00	20,70
35.110.1153	Up to 3 x 630 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In	1.730,00	20,70
35.110.1154	Up to 3 x 800 A, Icu: 35 kA, I1: (0.8-1)In, I3: (6-10)In	2.100,00	20,70
<b>35.110.1200</b>	<b>3-pole, minimum Icu at 400 V AC: 50 kA, adjustable thermal protection, fixed magnetic protection</b>		
35.110.1201	3 x 10 A to 3 x 63A, Icu: 50 kA, I1: (0.8-1)In	342,00	20,70
35.110.1202	Up to 3 x 100 A, Icu: 50 kA, I1: (0.8-1)In	358,00	20,70
35.110.1203	Up to 3 x 125 A, Icu: 50 kA, I1: (0.8-1)In	412,00	20,70
35.110.1204	Up to 3 x 160 A, Icu: 50 kA, I1: (0.8-1)In	441,00	20,70
35.110.1205	Up to 3 x 200 A, Icu: 50 kA, I1: (0.8-1)In	543,00	20,70

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.110.1206	Up to 3 x 250 A, Icu: 50 kA, I1: (0.8-1)In	609,00	20,70
35.110.1207	Up to 3 x 300 A, Icu: 50 kA, I1: (0.8-1)In	765,00	20,70
<b>35.110.1250</b>	<b>3-pole, minimum Icu at 400 V AC: 50 kA, adjustable thermal protection, magnetic protection setting</b>		
35.110.1251	Up to 3 x 400 A, Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In	1.290,00	20,70
35.110.1252	Up to 3 x 500 A, Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In	1.640,00	20,70
35.110.1253	Up to 3 x 630 A, Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In	2.100,00	20,70
35.110.1254	Up to 3 x 800 A, Icu: 50 kA, I1: (0.8-1)In, I3: (6-10)In	2.600,00	20,70
<b>35.110.1300</b>	<b>3-pole, minimum Icu at 400 V AC: 50 kA, electronic protection</b>		
35.110.1301	Up to 3 x 1000 A Icu: 50 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	4.420,00	35,70
35.110.1302	Up to 3 x 1250 A Icu: 50 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	4.820,00	35,70
35.110.1303	Up to 3 x 1600 A Icu: 50 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	6.080,00	35,70
<b>35.110.1350</b>	<b>3-pole, minimum Icu at 400 V AC: 65 kA, adjustable thermal protection, fixed magnetic protection</b>		
35.110.1351	3 x 10 A to 3 x 63 A, Icu: 65 kA, I1: (0.8-1)In	378,00	20,70
35.110.1352	Up to 3 x 100 A, Icu: 65 kA, I1: (0.8-1)In	411,00	20,70
35.110.1353	Up to 3 x 125 A, Icu: 65 kA, I1: (0.8-1)In	451,00	20,70
35.110.1354	Up to 3 x 160 A, Icu: 65 kA, I1: (0.8-1)In	474,00	20,70
35.110.1355	Up to 3 x 200 A, Icu: 65 kA, I1: (0.8-1)In	613,00	20,70
35.110.1356	Up to 3 x 250 A, Icu: 65 kA, I1: (0.8-1)In	669,00	20,70
35.110.1357	Up to 3 x 300 A, Icu: 65 kA, I1: (0.8-1)In	869,00	20,70
<b>35.110.1400</b>	<b>3-pole, minimum Icu at 400 V AC: 65 kA, adjustable thermal protection, magnetic protection setting</b>		
35.110.1401	Up to 3 x 400 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In	1.560,00	20,70
35.110.1402	Up to 3 x 500 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In	1.760,00	20,70
35.110.1403	Up to 3 x 630 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In	2.260,00	20,70
35.110.1404	Up to 3 x 800 A, Icu: 65 kA, I1: (0.8-1)In, I3: (6-10)In	2.800,00	20,70
<b>35.110.1450</b>	<b>3-pole, minimum Icu at 400 V AC: 65 kA, electronic protection</b>		
35.110.1451	Up to 3 x 1000 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	4.630,00	35,70
35.110.1452	Up to 3 x 1250 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	5.310,00	35,70
35.110.1453	Up to 3 x 1600 A Icu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	6.700,00	35,70
<b>35.110.1500</b>	<b>4-pole, minimum Icu at 400 V AC: 35 kA, adjustable thermal protection, fixed magnetic protection</b>		
35.110.1501	4 x 16 A to 63 A, Icu: 35 kA, I1: (0.8-1)In	396,00	20,70
35.110.1502	Up to 4 x 80 A, Icu: 35 kA, I1: (0.8-1)In	397,00	20,70
35.110.1503	Up to 4 x 100 A, Icu: 35 kA, I1: (0.8-1)In	427,00	24,50
35.110.1504	Up to 4 x 125 A, Icu: 35 kA, I1: (0.8-1)In	496,00	25,50
35.110.1505	Up to 4 x 160 A, Icu: 35 kA, I1: (0.8-1)In	532,00	25,50
35.110.1506	Up to 4 x 200 A, Icu: 35 kA, I1: (0.8-1)In	691,00	26,40
35.110.1507	Up to 4 x 250 A, Icu: 35 kA, I1: (0.8-1)In	716,00	27,40
35.110.1508	Up to 4 x 300 A, Icu: 35 kA, I1: (0.8-1)In	934,00	28,30
<b>35.110.1550</b>	<b>4-pole, minimum Icu at 400 V AC: 35 kA, adjustable thermal protection, magnetic protection setting</b>		

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.110.1551	Up to 4 x 400 A, lcu: 35 kA, I1: (0.8-1)In, I3: (6-10)In	1.770,00	29,00
35.110.1552	Up to 4 x 500 A, lcu: 35 kA, I1: (0.8-1)In, I3: (6-10)In	1.990,00	29,00
35.110.1553	Up to 4 x 630 A, lcu: 35 kA, I1: (0.8-1)In, I3: (6-10)In	2.450,00	30,20
35.110.1554	Up to 4 x 800 A, lcu: 35 kA, I1: (0.8-1)In, I3: (6-10)In	2.910,00	30,90
<b>35.110.1600</b>	<b>4-pole, minimum lcu at 400 V AC: 50 kA, adjustable thermal protection, fixed magnetic protection</b>		
35.110.1601	4 x 16 A to 63 A, lcu: 50 kA, I1: (0.8-1)In	431,00	20,70
35.110.1602	Up to 4 x 80 A, lcu: 50 kA, I1: (0.8-1)In	439,00	20,70
35.110.1603	Up to 4 x 100 A, lcu: 50 kA, I1: (0.8-1)In	451,00	24,50
35.110.1604	Up to 4 x 125 A, lcu: 50 kA, I1: (0.8-1)In	543,00	24,50
35.110.1605	Up to 4 x 160 A, lcu: 50 kA, I1: (0.8-1)In	582,00	25,50
35.110.1606	Up to 4 x 200 A, lcu: 50 kA, I1: (0.8-1)In	820,00	26,40
35.110.1607	Up to 4 x 250 A, lcu: 50 kA, I1: (0.8-1)In	842,00	26,40
35.110.1608	Up to 4 x 300 A, lcu: 50 kA, I1: (0.8-1)In	1.080,00	28,30
<b>35.110.1650</b>	<b>4-pole, minimum lcu at 400 V AC: 50 kA, adjustable thermal protection, magnetic protection setting</b>		
35.110.1651	Up to 4 x 400 A, lcu: 50 kA, I1: (0.8-1)In, I3: (6-10)In	1.880,00	29,00
35.110.1652	Up to 4 x 500 A, lcu: 50 kA, I1: (0.8-1)In, I3: (6-10)In	2.080,00	29,00
35.110.1653	Up to 4 x 630 A, lcu: 50 kA, I1: (0.8-1)In, I3: (6-10)In	2.530,00	30,20
35.110.1654	Up to 4 x 800 A, lcu: 50 kA, I1: (0.8-1)In, I3: (6-10)In	3.000,00	30,90
<b>35.110.1700</b>	<b>4-pole, minimum lcu at 400 V AC: 50 kA, electronic protection</b>		
35.110.1701	Up to 4 x 300 A lcu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	1.640,00	28,30
35.110.1702	Up to 4 x 400 A lcu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	2.060,00	29,00
35.110.1703	Up to 4 x 500 A lcu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	2.230,00	29,00
35.110.1704	Up to 4 x 630 A lcu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	2.590,00	30,20
35.110.1705	Up to 4 x 800 A lcu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	3.130,00	30,90
35.110.1706	Up to 4 x 1000 A lcu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	5.070,00	31,90
35.110.1707	Up to 4 x 1250 A lcu: 50kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	5.770,00	31,90
35.110.1708	Up to 4 x 1600 A lcu: 50 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	7.250,00	31,90
<b>35.110.1750</b>	<b>4-pole, minimum lcu at 400 V AC: 65 kA, adjustable thermal protection, fixed magnetic protection</b>		
35.110.1751	4 x 16 A to 63 A, lcu: 65 kA, I1: (0.8-1)In	450,00	20,70
35.110.1752	Up to 4 x 80 A, lcu: 65 kA, I1: (0.8-1)In	462,00	20,70
35.110.1753	Up to 4 x 100 A, lcu: 65 kA, I1: (0.8-1)In	470,00	24,50
35.110.1754	Up to 4 x 125 A, lcu: 65 kA, I1: (0.8-1)In	593,00	24,50
35.110.1755	Up to 4 x 160 A, lcu: 65 kA, I1: (0.8-1)In	640,00	25,50
35.110.1756	Up to 4 x 200 A, lcu: 65 kA, I1: (0.8-1)In	876,00	26,40
35.110.1757	Up to 4 x 250 A, lcu: 65 kA, I1: (0.8-1)In	930,00	26,40
35.110.1758	Up to 4 x 300 A, lcu: 65 kA, I1: (0.8-1)In	1.150,00	28,30

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.110.1800</b>	<b>4-pole, minimum lcu at 400 V AC: 65 kA, adjustable thermal protection, magnetic protection setting</b>		
35.110.1801	Up to 4 x 400 A, lcu: 65 kA, I1: (0.8-1)In, I3: (6-10)In	2.030,00	29,00
35.110.1802	Up to 4 x 500 A, lcu: 65 kA, I1: (0.8-1)In, I3: (6-10)In	2.200,00	29,00
35.110.1803	Up to 4 x 630 A, lcu: 65 kA, I1: (0.8-1)In, I3: (6-10)In	2.770,00	30,20
35.110.1804	Up to 4 x 800 A, lcu: 65 kA, I1: (0.8-1)In, I3: (6-10)In	3.300,00	30,90
<b>35.110.1850</b>	<b>4-pole, minimum lcu at 400 V AC: 65 kA, electronic protection</b>		
35.110.1851	Up to 4 x 300 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	1.970,00	28,30
35.110.1852	Up to 4 x 400 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	2.230,00	29,00
35.110.1853	Up to 4 x 500 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	2.490,00	29,00
35.110.1854	Up to 4 x 630 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	2.740,00	30,20
35.110.1855	Up to 4 x 800 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	3.280,00	30,90
35.110.1856	Up to 4 x 1000 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	5.620,00	31,90
35.110.1857	Up to 4 x 1250 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	6.400,00	31,90
35.110.1858	Up to 4 x 1600 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	8.250,00	31,90
<b>35.110.5000</b>	<p><b>Air circuit breakers (Unit: Qty.)</b>                      Open-type circuit breakers with electronic protection relays, which are in compliance with the TS 1058 EN 60947-2 standard, used for low-voltage protection and control, and which have a 400-V Operating short-circuit breaking capacity (Ics) that is 100% equal to the short-circuit breaking capacity (Icu). (I1: Adjustable nominal thermal protection activation current, I3: Fixed or adjustable magnetic protection activation current, In: Nominal current, lcu: Short-circuit breaking capacity, Ics: Operating short circuit breaking capacity)                      Note: The items shall have undergone type tests.</p>		
<b>35.110.5100</b>	<b>3-pole, minimum lcu at 400 V AC: 65 kA, electronic protection</b>		
35.110.5101	Up to 3 x 1600 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	8.400,00	1.250,00
35.110.5102	Up to 3 x 2000 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	9.820,00	1.840,00
35.110.5103	Up to 3 x 2500 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	11.790,00	2.130,00
35.110.5104	Up to 3 x 3200 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	13.450,00	2.590,00
35.110.5105	Up to 3 x 4000 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	21.820,00	4.660,00
<b>35.110.5150</b>	<b>3-pole, minimum lcu at 400 V AC: 100 kA, electronic protection</b>		
35.110.5151	Up to 3 x 1600 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	10.330,00	1.250,00
35.110.5152	3 x 2000 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	12.540,00	1.840,00
35.110.5153	3 x 2500 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	15.290,00	2.130,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.110.5154	3 x 3200 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	17.070,00	2.590,00
35.110.5155	3 x 4000 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	27.050,00	4.660,00
35.110.5156	3 x 5000 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	44.630,00	6.040,00
<b>35.110.5200</b>	<b>4-pole, minimum lcu at 400 V AC: 65 kA, electronic protection</b>		
35.110.5201	Up to 4 x 1600 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	11.580,00	1.250,00
35.110.5202	Up to 4 x 2000 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	13.780,00	1.840,00
35.110.5203	Up to 4 x 2500 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	16.930,00	2.130,00
35.110.5204	Up to 4 x 3200 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	19.690,00	2.590,00
35.110.5205	Up to 4 x 4000 A lcu: 65 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	32.490,00	4.660,00
<b>35.110.5250</b>	<b>4-pole, minimum lcu at 400 V AC: 100 kA, electronic protection</b>		
35.110.5251	Up to 4 x 1600 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	13.610,00	1.250,00
35.110.5252	Up to 4 x 2000 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	15.980,00	1.840,00
35.110.5253	Up to 4 x 2500 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	19.880,00	2.130,00
35.110.5254	Up to 4 x 3200 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	23.070,00	2.590,00
35.110.5255	Up to 4 x 4000 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	37.070,00	4.660,00
35.110.5256	Up to 4 x 5000 A lcu: 100 kA, I1: (0.5-1)In, I3: (2-10)In, electronic protection	48.740,00	6.040,00
<b>35.110.5500</b>	<b>Additions for remote-controlled, molded-case, thermally and magnetically protected and air circuit breakers: (Unit: Qty.) (in compliance with TS EN 60947-2)</b> Supply and installation, including any material and labor, of the additional equipment that is separately installed to molded-case circuit breakers, performs remote turning on and off by a motor mechanism, and has the necessary control buttons, an trip coil (and also a closing coil for open-type switches) and auxiliary contacts		
35.110.5501	3- or 4-pole, Up to 250 A.	941,00	23,60
35.110.5502	3- or 4-pole, Up to 630 A	1.690,00	33,30
35.110.5503	3- or 4-pole, Up to 1000 A	2.530,00	118,00
35.110.5504	3- or 4-pole, Up to 1600 A	3.000,00	233,00
35.110.5505	3- or 4-pole, Up to 2500 A.	3.090,00	240,00
35.110.5506	3- or 4-pole, Up to 5000 A.	3.180,00	247,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.115.1000</b>	<p><b>Residual current circuit breakers: (Unit: Qty.)</b>  Supply, installation, and delivery in working order, including any material and labor, of a residual current circuit breaker designed in compliance with the Regulations, specifications, and standards on Internal Electrical Installation and released in compliance with the TS EN 61008-1, TS EN 61008-2-1 standards and with a CE compliance marking, which, in case of any residual current in electrical installation, detects the faulty current on the phases and neutral line and breaks the circuit in 10-30 seconds to ensure safety of life and property, features a differential coil that steps in at 220 V for single-phase circuits, and at 380 V for 3-phase circuits, and a test button for testing whether the system is functioning, which is available for installation on the carriage rails, protected against external effects, can continue on working at 30 mA for life protection and 300 mA for fire protection even if neutral line breaks down.</p>		
35.115.1001	Up to 2 x 25 A (30 mA)	64,50	5,35
35.115.1002	Up to 2 x 40 A (30 mA)	67,00	5,35
35.115.1003	Up to 2 x 63 A (30 mA)	93,50	5,35
35.115.1004	Up to 2 x 80 A (30 mA)	171,00	5,35
35.115.1005	Up to 2 x 100 A (30 mA)	216,00	5,35
35.115.1020	Up to 4 x 25 A (30 mA)	93,00	5,35
35.115.1021	Up to 4 x 40 A (30 mA)	94,50	5,35
35.115.1022	Up to 4 x 63 A (30 mA)	112,00	5,35
35.115.1023	Up to 4 x 80 A (30 mA)	230,00	5,35
35.115.1024	Up to 4 x 100 A (30 mA)	318,00	5,35
35.115.1040	Up to 4 x 125 A (30 mA)	415,00	5,35
35.115.1041	Up to 2 x 25 A (300 mA)	73,50	5,35
35.115.1042	Up to 2 x 40 A (300 mA)	79,00	5,35
35.115.1043	Up to 2 x 63 A (300 mA)	91,50	5,35
35.115.1044	Up to 2 x 80 A (300 mA)	170,00	5,35
35.115.1045	Up to 2 x 100 A (300 mA)	208,00	5,35
35.115.1060	Up to 4 x 25 A (300 mA)	94,00	7,75
35.115.1061	Up to 4 x 40 A (300 mA)	105,00	7,75
35.115.1062	Up to 4 x 63 A (300 mA)	113,00	7,75
35.115.1063	Up to 4 x 80 A (300 mA)	229,00	7,75
35.115.1064	Up to 4 x 100 A (300 mA)	285,00	7,75
35.115.1065	Up to 4 x 125 A (300 mA)	432,00	7,75
<b>35.115.1200</b>	<p><b>Residual Current Protection Relay with Toroidal Current Transformer (Unit: Qty.):</b>  A combination with toroid, relay, special cable and trip coil that are installed additionally on the thermal magnetic switch output. The relays shall be operable electronic with adjustable sensitivity and delay, protection against undesirable activation, pre-alarm, warning LEDs, in compliance with the TS IEC 755 and compatible with all toroids. The toroids shall be open/closed type, 30-300 mm in diameter and thermoplastically insulated</p>		
35.115.1201	3 x 80 A to 3 x 250 A (3-phase): 30-500 mA	1.090,00	8,25
35.115.1202	3 x 300 A to 3 x 1250 A (3-phase): 30-500 mA	1.630,00	8,25
35.115.1203	3 x 1600 A and above (3-phase): 30-500 mA	1.830,00	8,25



### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.115.1500</b>	<b>Motor circuit breakers: (Unit: Qty.)</b> Supply and installation, including any material and labor of a device that is in compliance with TS EN 60947-1, TS EN60947-2, TS EN 60947-4-1 standards and released with a CE compliance marking, which grants thermal and magnetic protection against short-circuits, overloading and phase errors, while the motor circuit breakers manually controls the motors being ON or OFF Note: In: Nominal current, Icu: Short-circuit breaking capacity		
35.115.1501	In: up to 0.25-0.4 (Icu: 50 kA)	107,00	7,15
35.115.1502	In: up to 2.5-4 (Icu: 50 kA)	107,00	7,15
35.115.1503	In: up to 4-6.3 (Icu: 50 kA)	107,00	7,15
35.115.1504	In: up to 6.3-10 (Icu: 50 kA)	115,00	7,75
35.115.1505	In: up to 8-12 (Icu: 50 kA)	118,00	8,70
35.115.1506	In: up to 10-16 (Icu: 50 kA)	129,00	8,70
35.115.1507	In: up to 16-20 (Icu: 50 kA)	146,00	9,80
35.115.1508	In: up to 20-25 (Icu: 50 kA)	158,00	10,60
35.115.1509	In: up to 25-32 (Icu: 50 kA)	262,00	17,60
35.115.1550	In: up to 0.25-0.4 (Icu: 100 kA)	122,00	8,20
35.115.1551	In: up to 2.5-4 (Icu: 100 kA)	122,00	8,20
35.115.1552	In: up to 4-6.3 (Icu: 100 kA)	122,00	8,20
35.115.1553	In: up to 6.3-10 (Icu: 100 kA)	134,00	9,00
35.115.1554	In: up to 8-12 (Icu: 100 kA)	148,00	9,95
35.115.1555	In: up to 10-16 (Icu: 100 kA)	148,00	9,95
35.115.1556	In: up to 16-20 (Icu: 100 kA)	161,00	10,80
35.115.1557	In: up to 20-25 (Icu: 100 kA)	177,00	11,90
35.115.1558	In: up to 25-32 (Icu: 100 kA)	293,00	19,70
<b>35.115.2100</b>	<b>Enclosure-type overvoltage protectors (Low-Voltage Surge Arresters) (Unit: Qty.)</b> Overvoltage protectors of Type 1 (class B), Type 2 (class C), Type 3 (class D) protecting energy supplies against atmospheric discharges (lightning strikes) temporary overvoltage peaks, and providing single-phase, 2-phase, 3-phase and neutral protection against over-voltage, which are equipped with an extra contact output for signalization, fully hermetically enclosed, installed on the rails of the enclosure without damaging it or other equipment in it or requiring a safety distance with the enclosure, and were released in compliance with the TS EN 61643-11 standard and with a CE compliance marking. 1- Overvoltage protectors shall be completely hermetically sealed. The protector should not have an arc discharge gap. The protector shall suppress arcs in itself rather than drawing it through the arc discharge gap and suppressing it with air. Thus, it shall be possible to install the protector anywhere within the enclosure without the requirement of a safety distance. 2- Type 2 (Class C) and Type 3 (Class D) protectors shall be equipped with an indicator that indicates whether the device runs smoothly or not. (I imp: Maximum impulse current for Type 1 surge arresters, I max: Maximum discharge current for type 2 and Type 3 surge arresters)		
35.115.2101	Class B, 230 V AC, 100 kA (I imp; 10/350 μs), 3-phase, neutral/earth	1.460,00	285,00
35.115.2102	Class B, 230 V AC, 100 kA (I imp; 10/350 μs), 3-phase, neutral/earth, with extra contact output	1.600,00	312,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.115.2103	Class B+C, 230 V AC, 50 kA (I max: 10/350 $\mu$ s), phase/earth or neutral/earth	771,00	122,00
35.115.2104	Class B+C, 230 V AC, 50 kA (I max: 10/350 $\mu$ s), phase/earth or neutral/earth, with extra contact output	795,00	130,00
35.115.2107	Class C 230/400 V AC, 40 kA, (I max; 8/20 $\mu$ s), phase/earth, 2 phase/earth or phase/neutral/earth	227,00	59,00
35.115.2108	Class C 230/400 V AC, 40 kA, (I max; 8/20 $\mu$ s), phase/earth, 2 phase/earth or phase/neutral/earth, with extra contact output	304,00	81,00
35.115.2109	Class C 230/400 V AC, 40 kA, (I max; 8/20 $\mu$ s), 3 phase/earth	432,00	101,00
35.115.2110	Class C 230/400 V AC, 40 kA, (I max; 8/20 $\mu$ s), 3 phase/earth, with extra contact output	497,00	118,00
35.115.2111	Class C 230/400 V AC, 40 kA, (I max; 8/20 $\mu$ s), 3-phase, neutral, earth	570,00	120,00
35.115.2112	Class C 230/400 V AC, 40 kA, (I max; 8/20 $\mu$ s), 3-phase, neutral, earth, with extra contact output	699,00	145,00
35.115.2113	Class C+D 230 V AC, 40 kA, (I max; 8/20 $\mu$ s) phase, neutral, earth	514,00	109,00
35.115.2114	Class C+D 230 V AC, 40 kA, (I max; 8/20 $\mu$ s), phase, neutral, earth, with extra contact output	553,00	140,00
35.115.2115	Class D 230 V AC, 20 kA, (I max; 8/20 $\mu$ s) phase, neutral, earth	224,00	66,00
35.115.2116	Class D 230 V AC, 20 kA, (I max; 8/20 $\mu$ s), phase, neutral, earth, with extra contact output	273,00	81,00
35.115.2119	Class B+C coupling coil 400V AC, 35A	232,00	59,00
35.115.2120	Class C+D coupling coil 400V AC, 2x35A	232,00	59,00
<b>35.115.2500</b>	<b>TRANSFORMERS: (Unit: Qty. Materials on construction site: 60%) (TS EN 61558-2-4, TS EN 61558-2-5, TS EN 61558-2-6, TS EN 61558-2-7, TS EN 61558-2-8, TS EN 61558-2-9, TS EN 61558-1)</b> Supply and installation of the transformer, including any material and labor.		
35.115.2501	110 - 220/15 V Up to 50 VA	21,90	5,85
35.115.2502	110 - 220/24 V Up to 500 VA	79,00	5,85
35.115.2503	110 - 220/24 V Up to 1000 VA	109,00	5,85
35.115.2504	110 - 220/48 V Up to 100 VA	52,00	5,85
35.115.2505	110 - 220/48 V Up to 500 VA	93,50	5,85
<b>35.120.1000</b>	<b>CAM SWITCHES:</b> Cam switches shall bear a CE compliance marking and comply with TS 4915 EN 60669-1 and TS EN 60947-3 standards.		
<b>35.120.1100</b>	<b>Step-type cam switches: (Unit: Qty.)</b> Supply and installation, including any material and labor, of the position dial and control lever or button of a cam switch with a sheet metal or plastic enclosure, rotating hub, and up to 5 positions, which allows rotary and spring-loaded opening and closure of contacts.		
35.120.1101	Up to 2 x 16 A	21,80	6,90
35.120.1102	Up to 2 x 25 A	25,50	6,90
35.120.1103	Up to 2 x 40 A	29,50	6,90
35.120.1104	Up to 3 x 25 A	30,70	9,25
35.120.1105	Up to 3 x 40 A	48,50	9,25
35.120.1106	Up to 3 x 63 A	69,00	9,25
35.120.1107	Up to 3 x 100 A	122,00	11,60
35.120.1108	Up to 3 x 125 A	161,00	11,60

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.120.1109	Up to 3 x 160 A	174,00	11,60
<b>35.120.1150</b>	<b>On-off type cam switches: (Unit: Qty.)</b> Supply and installation, including any material and labor, of cam switches with only two positions.		
35.120.1151	Up to 2 x 16 A	15,00	6,90
35.120.1152	Up to 2 x 25 A	20,10	6,90
35.120.1153	Up to 2 x 40 A	27,60	6,90
35.120.1154	Up to 3 x 25 A	29,40	9,25
35.120.1155	Up to 3 x 40 A	44,50	9,25
35.120.1156	Up to 3 x 63 A	61,50	9,25
35.120.1157	Up to 3 x 100 A	97,50	11,60
35.120.1158	Up to 3 x 125 A	134,00	11,60
35.120.1159	Up to 3 x 160 A	152,00	11,60
<b>35.120.1200</b>	<b>Star-delta type cam switches (Unit: Qty.):</b> Supply and installation, including any material and labor, of cam switches with a star-delta connection assembly.		
35.120.1201	Up to 3 x 25 A	34,80	9,25
35.120.1202	Up to 3 x 40 A	44,30	9,25
35.120.1203	Up to 3 x 63 A	79,50	9,25
<b>35.120.1250</b>	<b>Reversing cam switches: (Unit: Qty.)</b> Supply and installation, including any material and labor, of an inverter type cam switches to be used for inverting the motor's direction of rotation.		
35.120.1251	Up to 3 x 25 A	43,20	9,25
35.120.1252	Up to 3 x 40 A	65,50	9,25
35.120.1253	Up to 3 x 63 A	87,00	9,25
35.120.1254	Up to 3 x 100 A	143,00	11,60
35.120.1255	Up to 3 x 125 A	202,00	11,60
<b>35.120.1300</b>	<b>Step-type outdoor cam switches: (Unit: Qty.)</b> Supply and installation of cam switches with IP 65 degree of protection and the same specifications as the item 35.120.1100 in terms of other properties.		
35.120.1301	Up to 2 x 16 A	25,40	6,90
35.120.1302	Up to 2 x 25 A	27,30	6,90
35.120.1303	Up to 2 x 40 A	35,80	6,90
35.120.1304	Up to 3 x 25 A	44,50	9,25
35.120.1305	Up to 3 x 40 A	65,50	9,25
35.120.1306	Up to 3 x 63 A	103,00	9,25
35.120.1307	Up to 3 x 100 A	138,00	11,60
35.120.1308	Up to 3 x 125 A	158,00	11,60
35.120.1309	Up to 3 x 160 A	172,00	11,60
<b>35.120.1350</b>	<b>On-off type outdoor cam switches: (Unit: Qty.)</b> Supply and installation of cam switches with IP 65 degree of protection, only two positions and the same specifications as the Unit Price No. 35.120.1300.		
35.120.1351	Up to 2 x 16 A	21,60	6,90
35.120.1352	Up to 2 x 25 A	24,60	6,90
35.120.1353	Up to 2 x 40 A	29,90	6,90
35.120.1354	Up to 3 x 25 A	31,20	9,25
35.120.1355	Up to 3 x 40 A	54,50	9,25
35.120.1356	Up to 3 x 63 A	89,50	9,25

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.120.1357	Up to 3 x 100 A	127,00	11,60
35.120.1358	Up to 3 x 125 A	144,00	11,60
35.120.1359	Up to 3 x 160 A	166,00	11,60
<b>35.120.1400</b>	<b>Latching Switches: (Unit: Qty.)</b> Supply and installation, including any material and labor, of latching switches with frontal control, connection to the controller latch and spring contacts, which bear a CE compliance marking and comply with the TS 4915 EN 60669-1 standard.		
35.120.1401	Up to 2 x 16 A	10,50	4,70
35.120.1402	Up to 3 x 25 A	13,20	4,70
35.120.1403	Up to 3 x 32 A	18,70	4,70
<b>35.120.1450</b>	<b>SIGNAL LIGHTS: (Unit: Qty.)</b> Supply, transportation to the work site, installation and connection, delivery in working order of flush-mounted signal lights of specified colors depending on the location, which shall comply with the TS 2575 EN 60073 standards (socket and light bulb are included in the price.)		
35.120.1451	Up to 24 V	7,00	2,75
35.120.1452	Up to 48 V	7,00	2,75
35.120.1453	Up to 65 V	7,00	2,75
35.120.1454	Up to 250 V	7,00	2,75
35.120.1455	Up to 500 V	7,00	2,75
<b>35.120.2000</b>	<b>AUTOMATIC TRANSFER SWITCHES (Unit: Qty.)</b> Supply, installation and delivery in working order, of a switch with auxiliary contacts, which shall be used for transfer between two sources (Transformer - Generator, Transformer - Transformer, Generator - Generator), automatic, and ready for manual use when necessary, single casing, equipped with a factory-built electrical and mechanical locks, guaranteed by the manufacturer for transfer between the sources, capable of being enabled and disabled safely, automatically and manually, and which shall transfer automatically to a backup source when the primary source voltage drops or rises below or above a preset value and/or cut out completely, the frequency drops and/or rises below or above a preset value, control the phase sequence, start and stop the generator automatically, check source availability, display switch positions and error details, allow nominal source voltage, nominal source frequency and transfer time between sources, and comply with the TS EN 60947-6-1 standard and bear a CE compliance marking.		
35.120.2001	3 x 125 A	2.340,00	142,00
35.120.2002	3 x 200 A	3.130,00	142,00
35.120.2003	3 x 250 A	3.330,00	142,00
35.120.2004	3 x 315 A	3.640,00	142,00
35.120.2005	3 x 400 A	3.940,00	142,00
35.120.2006	3 x 500 A	4.080,00	142,00
35.120.2007	3 x 630 A	4.240,00	142,00
35.120.2008	3 x 800 A	5.400,00	142,00
35.120.2009	3 x 1000 A	7.770,00	142,00
35.120.2010	3 x 1250 A	8.980,00	157,00
35.120.2011	3 x 1600 A	11.490,00	157,00
35.120.2012	3 x 2000 A	15.220,00	157,00
35.120.2013	3 x 2500 A	20.260,00	157,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.120.2014	3 x 3200 A	23.430,00	157,00
35.120.2015	4 x 100 A	1.750,00	142,00
35.120.2016	4 x 200 A	2.840,00	142,00
35.120.2017	4 x 315 A	3.930,00	142,00
35.120.2018	4 x 400 A	4.420,00	142,00
35.120.2019	4 x 500 A	4.490,00	142,00
35.120.2020	4 x 630 A	4.880,00	142,00
35.120.2021	4 x 800 A	6.540,00	142,00
35.120.2022	4 x 1000 A	8.810,00	157,00
35.120.2023	4 x 1250 A	10.220,00	157,00
35.120.2024	4 x 1600 A	11.860,00	157,00
35.120.2025	4 x 2000 A	20.290,00	157,00
35.120.2026	4 x 2500 A	29.320,00	157,00
35.120.2027	4 x 3200 A	30.770,00	157,00
<b>35.120.2100</b>	<b>Supply and installation, including an auxiliary contactor, any material and labor, of a reversing switch, manufactured in compliance with the TS EN 60947-6-1 standards and released with a CE marking.</b> Identical with the Unite Price No. 35.120.1200 but with extra thermal and magnetic protectors.		
35.120.2101	Up to 3 x 25 A	654,00	16,90
35.120.2102	Up to 3 x 63 A	1.090,00	21,70
35.120.2103	Up to 3 x 100 A	2.210,00	23,60
35.120.2104	Up to 3 x 200 A	2.910,00	29,50
35.120.2105	Up to 3 x 400 A	3.580,00	31,30
35.120.2106	Up to 3 x 600 A	4.360,00	33,30
35.120.2107	Up to 3 x 1000 A	7.110,00	36,40
<b>35.125.1000</b>	<b>CONTACTORS (Materials on construction site: 60%) (TS EN 60947-4-1)</b>		
<b>35.125.1100</b>	<b>Dry-type contactors without protector: (Unit: Qty.)</b> Supply and installation, including auxiliary contacts and any material and labor, of dry-type, 3-phase AC3 class contactors with separate control buttons without protective relays. Unit: The number of installed contactors shall be taken.		
35.125.1101	Up to 3 x 10 A	51,50	11,60
35.125.1102	Up to 3 x 16 A	59,00	11,60
35.125.1103	Up to 3 x 25 A	72,00	11,60
35.125.1104	Up to 3 x 40 A	161,00	14,00
35.125.1105	Up to 3 x 63 A	231,00	14,00
35.125.1106	Up to 3 x 100 A	471,00	16,20
35.125.1107	Up to 3 x 160 A	711,00	16,20
35.125.1108	Up to 3 x 200 A	1.010,00	20,70
35.125.1109	Up to 3 x 300 A	1.740,00	22,60
35.125.1110	Up to 3 x 400 A	2.460,00	22,60
35.125.1111	Up to 3 x 630 A	4.230,00	22,60
35.125.1112	Up to 3 x 800 A	5.070,00	22,60
<b>35.125.1200</b>	<b>Capacitor duty contactors: (Unit: Qty.)</b> A capacitor duty contactor that is identical with the Unit Price No. 35.125.1100, and takes its power through the discharge resistance when energized, and closes the main contactors after the start-up current, including any material and labor.		

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.125.1201	Contactors for capacitor switching up to 15 kVAR	117,00	9,25
35.125.1202	Contactors for capacitor switching up to 20 kVAR	148,00	11,60
35.125.1203	Contactors for capacitor switching up to 30 kVAR	286,00	28,30
35.125.1204	Contactors for capacitor switching up to 50 kVAR	382,00	41,30
35.125.1205	Contactors for capacitor switching up to 60 kVAR	522,00	48,80
<b>35.125.1300</b>	<b>Dry-type contactors with thermal protectors: (Unit: Qty.)</b> Supply and installation of a contactor that is the same as the Unit Price No. 35.125.1100 with only an extra thermal protector relay.		
35.125.1301	Up to 3 x 10 A	106,00	12,00
35.125.1302	Up to 3 x 16 A	116,00	12,00
35.125.1303	Up to 3 x 25 A	135,00	12,00
35.125.1304	Up to 3 x 40 A	150,00	14,50
35.125.1305	Up to 3 x 63 A	341,00	14,50
35.125.1306	Up to 3 x 100 A	491,00	14,50
35.125.1307	Up to 3 x 160 A	745,00	16,90
35.125.1308	Up to 3 x 200 A	1.300,00	21,70
<b>35.125.1700</b>	<b>Electronic motor protection relay: (Unit: Qty.)</b> Supply and installation, including any material and labor, of a device to be used on 3-phase motors, with phase indicator lights, current setting knob, start and stop buttons, and stop lamp, which shall be made up of electronic circuits, and shall protect the motor in case of power outage, drop or rise of the voltage below or above a predetermined value or change of frequency, 25% excessive load of the motor's nominal current or continuation of this event for 4 seconds, or any of the supply phases of the motor is broken. NOTE: Where a current transformer is used, the unit price given in item 35.135.1900 shall be applicable.		
35.125.1701	Up to 3 x 12 A	128,00	36,40
<b>35.125.1750</b>	<b>Time relay: (Unit: Qty.: Materials on construction site: 60%)</b> Supply, installation, and connection, including any small material and labor, of a complete time relay that can operate at a desired time interval.		
35.125.1751	0 - 60 seconds	103,00	12,00
35.125.1752	1 - 10 minutes	107,00	12,00
35.125.1760	<b>Time relay that is used for lighting control. (Unit: Qty: Materials on construction site 60%)</b> Supply, transportation to the work site, testing and delivery in working order, of a digital time relay designed for use within a certain range of voltages, which has type test reports as per 2014/35/EU Low Voltage Directive (LVD), the regulation on electromagnetic compatibility (2004/108/EC), and the standards and directives of TS EN 60730-2-7 as well as a CE compliance marking, controls lighting at the hours set using its program based on the adjusted time periods, and which is equipped with output contacts, battery-powered, and accompanied by a user's manual.	176,00	29,50
35.125.1770	<b>Photocell switch: (Unit: Qty.)</b> Supply and installation of a switch that is capable of detecting temporary darkness in daytime and temporary lights at nighttime with an adjustable latency of 15 to 190 seconds, and resistant to snow, dust, etc. for illumination of streets, store windows, illuminated billboards, gardens, parks, parking lots, garages, and for the external lights and road lights of the mass housing project.	57,50	12,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.125.2000</b>	<b>FLOAT SWITCHES: (Materials on construction site: 60%).</b>		
<b>35.125.2100</b>	<b>Mechanical contact type: (Unit: Qty.)</b> Supply and installation complete with a mineral or plastic floater, controller mill, copper wire, reels, waterproof contactor and electrical connections, including any material and labor.		
35.125.2101	Up to 2 x 25 A (single-phase)	59,50	8,45
35.125.2102	Up to 3 x 25 A (3-phase)	67,00	8,80
<b>35.125.2200</b>	<b>Mercury contact type: (Unit: Qty.)</b> Supply and installation of a float switch that is identical with the Unit Price No. 35.125.2100 except that a contactor circuit operates with a mercury switch connected to the floater.		
35.125.2201	Up to 2 x 25 A (Single-phase)	64,00	8,20
35.125.2202	Up to 3 x 25 A (3-phase)	67,00	8,20
<b>35.125.2300</b>	<b>Regular contact type: (Unit: Qty.)</b> Identical with Unit Price No. 35.125.2100 except that a float switch directly controlled by the floater shall be supplied and installed on the contactor coil.		
35.125.2301	Up to 2 x 25 A (Single-phase)	38,60	8,20
35.125.2302	Up to 3 x 25 A (3-phase)	43,30	8,20
<b>35.125.2400</b>	<b>Mechanical contact type without contactors: (Unit: Qty.)</b>		
35.125.2401	Identical with Unit Price No. 35.125.2100 up to 6 A except that it is the contactor-free type.	26,10	8,20
<b>35.125.2500</b>	<b>Mercury contact type without contactors: (Unit: Qty.)</b>		
35.125.2501	Identical with Unit Price No. 35.125.2200 up to 6 A except that it is the contactor-free type.	26,10	8,20
<b>35.125.2600</b>	<b>Regular contact type without contactors: (Unit: Qty.)</b>		
35.125.2601	Identical with Unit Price No. 35.125.2300 up to 6 A except that it is the contactor-free type.	26,10	8,20
<b>35.125.2700</b>	<b>Star delta automatic switch with a contactor: (Unit: Qty.)</b> Supply and installation, including any material and labor, of a flush-mounted and surface-mounted panel with a lockable door, start - stop button, and the fuses for the signal lamp, time delay relays, panel-type terminal blocks, contactors and automatic star-delta switch with thermal protection relay. NOTE: Start - stop buttons and signal lamps shall not be installed on the panel door and the door shall be earthed.		
35.125.2701	Up to 3 x 25 A	533,00	48,00
35.125.2702	Up to 3 x 63 A	844,00	48,00
35.125.2703	Up to 3 x 80 A	1.490,00	53,00
35.125.2704	Up to 3 x 100 A	1.840,00	53,00
35.125.2705	Up to 3 x 250 A	2.870,00	53,00
<b>35.125.2800</b>	<b>POWER DIMMERS: (Unit: Qty.), (Materials on construction site: 60%)</b> Remote-control power dimmers used to adjust the lighting level of the system. Supply, installation, and delivery in working order, including any material, of the device used in glow-filament bulbs with a ferromagnetic transformer and 12-volt halogen bulb, which stores the brightness level before being turned off when the supply is cut out.		
35.125.2801	230 V. (50-60 Hz) 100W-1000 W.	828,00	16,20
35.125.2802	230 V. (50-60 Hz) 300-2500 W.	1.050,00	16,20
35.125.2803	230 V. (50-60 Hz) 300-5000 W.	1.240,00	16,20

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.125.3000</b>	<p><b>Remote controlled impulse current switch and its installation (Unit: Qty., Materials on construction site: 60%)</b>  Supply, transportation to the work site, installation in the designated location, establishment of connections, and delivery, including any material and labor, of an impulse current switch in IP 20 degree of protection and bearing TS EN 60669-2-2 and CE compliance markings, which shall be capable of turning on and off a lamp or a group of lamps connected in parallel to each other from two or more locations (switching by a light the location of the contacts at each impulse of the current that reaches it), being equipped with an auxiliary switch block where necessary, being controlled "manually" on the unit, performing by optional modules the functions of central control, switching based on time and status monitoring in addition to local controls, operating at an operation temperature of -10 to +40°C, which shall be equipped with an indicator indicates the status of the contacts, capable of switching on and off minimum 50,000 times on load, and available for installation on a standard 35-mm DIN rail. Unit: The number of relays shall be taken.</p>		
35.125.3001	1 NA 16 A with 1 contact - Controller voltage: 230 V.	80,50	17,90
35.125.3002	2 NA 16 A with 2 contacts - Controller voltage: 230 V.	124,00	17,90
35.125.3003	3 NA 16 A with 3 contacts - Controller voltage: 230 V.	191,00	17,90
35.125.3004	4 NA 16 A with 4 contacts - Controller voltage: 230 V.	195,00	17,90
35.125.3005	2 A/K 16 A with 2 contacts - Controller voltage: 230 V.	106,00	17,90
35.125.3050	<p><b>Side-switching auxiliary switch block for central control (Unit: Qty., Materials on construction site: 60%)</b>  Supply, transportation to the work site, installation, and delivery in working order, including any material and labor, of an auxiliary contact group installed adjacent to the impulse current switch to control the impulse current switch remotely, which is available for installation on a 35-mm steel rail, and affixed with a TS EN 60947-4-3/A1 and CE Compliance Mark. (The switch to be installed at the center shall be paid separately per the relevant item.)</p>	81,00	17,90
35.130.0000	COMPENSATION SYSTEM:		
<b>35.130.1000</b>	<p><b>COMPENSATION BATTERIES: (Materials on construction site: 60%)</b>  Supply of the required capacitors or capacitor batteries with terminals protected against touch and resistant to discharge for regulation of power coefficient (Cos Ø) for energy economy and avoid excessive excitation currents, and delivery in working order, including any material and labor, after the functioning of the item is tested by the inspection authority with a 40-Watt serially connected lamp. Compliance is required with the Regulation on Amendment of Energy Market Customer Services published in the Official Gazette No. 26558 dated 20.June.2007.</p>		
<b>35.130.1100</b>	<p><b>Central compensation batteries with automatic control: (Unit: kVAR) (Up to 30 kVAR)</b>  Supply, installation, and delivery in working order, of capacitors, the contactors that they will enable and disable as well as the circuit breakers of the circuits, control circuit circuit breakers, cam switches that control contactors, and the 3-phase compensation battery including the current transformer required for the relay (not including the price of the reactive power control relay, molded-case circuit breaker, and panel.) The power value in kVAR of the capacitor on the selected voltage value shall be considered as the unit.)</p>		
35.130.1101	Up to 400 V	91,00	21,80
35.130.1102	Up to 450 V	96,00	21,80



### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.130.1150</b>	<b>Extra central compensation batteries with automatic control (in compliance with TS EN 60255-1) (Unit: kVAR)</b> Where compensation batteries are rated higher than 30 kVAR, for each kVAR exceeding 30 kVAR in addition to the item 35.130.1100		
35.130.1151	Up to 400 V	28,60	7,30
35.130.1152	Up to 450 V	31,40	7,30
<b>35.130.1200</b>	<b>Central compensation batteries with automatic control with harmonic filter: (Unit: kVAR) (Up to 30 kVAR)</b> Supply, installation, and delivery in working order, of harmonic filter reactors and capacitors in compliance with the standards TS EN61558-2-20 or IEC 61000-2-2 depending on the project, the contactors that they will enable and disable as well as the circuit breakers of the circuits, control circuit circuit breakers, cam switches that control contactors, and the 3-phase compensation battery including the current transformer required for the relay (not including the price of the reactive power control relay, molded-case circuit breaker, and panel.) The power value in kVAR of the capacitor on the selected voltage value shall be considered as the unit.)		
35.130.1201	Up to 450 V	147,00	23,30
35.130.1202	Up to 525 V	133,00	23,30
<b>35.130.1250</b>	<b>Extra compensation batteries with automatic control and harmonic filters (in compliance with TS EN 60255-1) (Unit: kVAR)</b> Where compensation batteries are rated higher than 30 kVAR, for each kVAR exceeding 30 kVAR in addition to the item 35.130.1200.		
35.130.1251	Up to 450 V	76,50	8,75
35.130.1252	Up to 525 V	63,50	8,75
<b>35.130.1300</b>	<b>Central compensation batteries with automatic control, harmonic filter and semiconductor switching: (Unit: kVAR) (Up to 30 kVAR)</b> Compensation batteries which use a switching component manufactured with semiconductor technology instead of contactor for enabling and disabling the groups of compensation and harmonic filter, and for which other specifications are identical with item 35.130.1200. The power value in kVAR of the capacitor on the selected voltage value shall be considered as the unit.)		
35.130.1301	Up to 450 V	222,00	28,40
35.130.1302	Up to 525 V	202,00	28,40
<b>35.130.1350</b>	<b>Extra central compensation batteries with automatic control, semi-conductor switching and harmonic filters (in compliance with TS EN 60255-1) (Unit: kVAR)</b> Where compensation batteries are rated higher than 30 kVAR, for each kVAR exceeding 30 kVAR in addition to the item 35.130.1300		
35.130.1351	Up to 450 V	94,50	10,20
35.130.1352	Up to 525 V	78,50	10,20
<b>35.130.2000</b>	<b>RELAYS (Unit: Qty.)</b> In compliance with the standards IEC6100 - 6 -2, IEC 61000 – 6 - 4, IEC 61010 -1, and TS EN 60255-1		

**High Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.130.2100</b>	<b>SINGLE-PHASE REACTIVE POWER CONTROL RELAYS: (Unit: Qty.)</b> Supply, installation as per the relevant project design, and delivery, including any material and labor, of the device sized for installation in the panel, with a current transformer and 220V AC supply, which is capable of measuring automatic C/k values.		
35.130.2101	<b>Min. 5 steps</b> Supply, installation as per the relevant project design, and delivery, including any material and labor, of the device sized for installation in the panel, with 5 steps, a current transformer and 220V AC supply, which is capable of measuring automatic C/k values.	480,00	78,00
35.130.2102	<b>Min. 8 steps</b> Supply, installation as per the relevant project design, and delivery, including any material and labor, of the device sized for installation in the panel, with 8 steps, a current transformer and 220V AC supply, which is capable of measuring automatic C/k values.	534,00	78,00
35.130.2103	<b>Min. 12 steps</b> Supply, installation as per the relevant project design, and delivery, including any material and labor, of the device sized for installation in the panel, with 12 steps, a current transformer and 220V AC supply, which is capable of measuring automatic C/k values.	625,00	102,00
<b>35.130.2200</b>	<b>THREE-PHASE REACTIVE POWER CONTROL RELAYS: (Unit: Qty.)</b> Reactive power relays are devices that attempt to regulate the power coefficient, which is the ratio of Active Power (W) to the Apparent Power (VA), to the power coefficient set by the user, by controlling the reactive power of the compensation component. The reactive power control relay with Computer Communication, 3 Current Transformers, 3 x 380 V AC Supply, which simultaneously displays minimum three electrical values on the screen shall automatically measure the powers of the capacitors in the compensation system that it is connected to. It can protect the system by deactivating it with a warning so that the problems with current and voltage connections can be resolved, and it selects and concurrently activates or deactivates the required capacitor steps. Detects faulty capacitors. Installation and delivery in working order, including any material and labor and per the relevant project, of the devices which are capable of issuing overcompensation, undercompensation, failed capacitor and exceeded ratio alerts, and of measuring the values of phase voltage (V) of its connected system, RMS value of the phase current that the current transformer is connected to, power coefficient (PC) of the system, the Active Power (W), Reactive Power (VAr), Apparent Power (VA), Harmonics, Active Energy (kWh), Inductive Reactive - Capacitive Reactive Energy (kVARh) drawn by the system		

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.130.2201	<p><b>Min. 12 steps</b> Reactive power relays are devices that attempt to regulate the power coefficient, which is the ratio of Active Power (W) to the Apparent Power (VA), to the power coefficient set by the user, by controlling the reactive power of the compensation component. The reactive power control relay with Computer Communication, 3 Current Transformers, 3 x 380 V AC Supply, minimum 12 steps which simultaneously displays minimum three electrical values automatically shall measure the powers of the capacitors in the compensation system that it is connected to. It can protect the system by deactivating it with a warning so that the problems with current and voltage connections can be resolved, and it selects and concurrently activates or deactivates the required capacitor steps. Detects faulty capacitors. Installation and delivery in working order, including any material and labor and per the relevant project, of the devices which are capable of issuing overcompensation, undercompensation, failed capacitor and exceeded ratio alerts, and of measuring the values of phase voltage (V) of its connected system, RMS value of the phase current that the current transformer is connected to, power coefficient (PC) of the system, the Active Power (W), Reactive Power (VAr), Apparent Power (VA), Harmonics, kWh, kVARh drawn by the system, in case of compensation failures.</p>	779,00	152,00
35.130.2202	<p><b>Min. 18 steps</b> The number of steps shall be minimum 18, and other specifications shall be the same as the item 35.130.2201.</p>	928,00	166,00
35.130.2203	<p><b>Min. 12 steps (with MODBUS, RTU and Computer Communication)</b> Reactive power relays are devices that attempt to regulate the power coefficient, which is the ratio of Active Power (W) to the Apparent Power (VA), to the power coefficient set by the user, by controlling the reactive power of the compensation component. A reactive power control relay with MODBUS RTU Computer Communication, 3 Current Transformers, 3 x 380 V AC Supply and minimum 12 Steps, which displays minimum three electrical values simultaneously, measures automatically the powers of the capacitors in the compensation system that it is connected to. It can protect the system by deactivating it with a warning so that the problems with current and voltage connections can be resolved, and it selects and concurrently activates or deactivates the required capacitor steps. Detects faulty capacitors. Installation and delivery in working order, including any material and labor and per the relevant project, of the devices which are capable of issuing overcompensation, undercompensation, failed capacitor and exceeded ratio alerts, and of measuring the values of phase voltage (V) of its connected system, RMS value of the phase current that the current transformer is connected to, power coefficient (PC) of the system, the Active Power (W), Reactive Power (VAr), Apparent Power (VA), Harmonics, Active Energy (kWh), Inductive Reactive - Capacitive Reactive Energy (kVARh) drawn by the system.</p>	862,00	203,00
35.130.2204	<p><b>Min. 18 steps (with MODBUS, RTU and Computer Communication)</b> The number of steps shall be minimum 18, and other specifications shall be the same as the item 35.130.2203.</p>	943,00	203,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.130.2300</b>	<p><b>SVC THREE-PHASE REACTIVE POWER CONTROL RELAYS:</b>  <b>(Unit: Qty.)</b> Supply to the work site, installation per the relevant project, and delivery in working order, including any material and labor, of the devices sized for installation in the enclosure, which are capable of activating the power of each single-phase shunt reactor at an adjustable value, automatically measuring the values of the capacitors in the compensation system that they are connected to, issuing alerts for troubleshooting for the current and voltage connections and disabling the system to protect it, selecting to enable or disable the capacitor steps required depending on the load, detecting failed capacitors, issuing overcompensation, undercompensation, failed capacitor and exceeded ratio alerts, and of measuring the values of phase voltage (V) of its connected system, RMS value of the phase current that the current transformer is connected to, power coefficient (cosØ) of the system, the Active Power (W), Reactive Power (VAr), Apparent Power (VA), total Harmonics, Active Energy (kWh), Inductive - Reactive - Capacitive Energy (kVARh) drawn by the system, in case of compensation failures by means of a reactive power control relay with three Current Transformers, 3x380 V AC Supply and 12 step, and a semiconductor driver connected in addition to the steps.</p>		
35.130.2301	<p><b>Min. 12 steps</b> Supply to the work site, installation per the relevant project, and delivery in working order, including any material and labor, of the devices sized for installation in the enclosure, which are capable of activating the power of each single-phase shunt reactor at an adjustable value, automatically measuring the values of the capacitors in the compensation system that they are connected to, issuing alerts for troubleshooting for the current and voltage connections and disabling the system to protect it, selecting to enable or disable the capacitor steps required depending on the load, detecting failed capacitors, issuing overcompensation, undercompensation, failed capacitor and exceeded ratio alerts, and of measuring the values of phase voltage (V) of its connected system, RMS value of the phase current that the current transformer is connected to, power coefficient (cosØ) of the system, the Active Power (W), Reactive Power (VAr), Apparent Power (VA), total Harmonics, Active Energy (kWh), Inductive - Reactive - Capacitive Energy (kVARh) drawn by the system, in case of compensation failures by means of a reactive power control relay with three Current Transformers, 3x380 V AC Supply and 12 step, and a semiconductor driver connected in addition to the steps.</p>	1.050,00	197,00
35.130.2302	<p><b>Min. 18 steps</b> The number of steps shall be 18, and other specifications shall be the same as the item 35.130.2301.</p>	1.080,00	197,00
35.130.2500	<p><b>Discharge Unit: (Unit: Qty.)</b>  Supply to the work site, installation as per the relevant project design, and delivery, including any material and labor and in working condition, of the device that discharges the capacitors used in compensation systems in a shorter time, prolongs the life of capacitors and contactors, and enables fast compensation.</p>	43,80	15,40

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.130.2600</b>	<b>Inductive Load Driver (Unit: Qty.)</b> Supply to the work site, installation as per the relevant project design, and delivery in working order, including any material and labor, of the devices that activate single-phase shunt reactors by triggering their phase angles at different values by semi-conductor switching components within them, allow connection of 3 x 230V single-phase shunt reactors, and are capable of driving inductive loads with minimum 1000-step phase angle control.		
35.130.2601	Up to 5 kVAr (3x8 A)	615,00	51,00
35.130.2602	Up to 10 kVAR (3x16 A)	912,00	51,00
35.130.2603	Up to 30 kVAR (3x50 A)	1.410,00	58,00
<b>35.130.2700</b>	<b>Shunt Reactor (Unit: Qty.)</b> Supply to the work site, installation per the relevant project design, and delivery, including any material and labor, of a shunt reactor with 3-kV insulation and minimum 120°C thermal protection, and operating at 50 Hz frequency, which complies with TS EN 61558-2-20 and TS EN 60076-6 standards and has a nominal voltage of 230V AC - 1000V AC.		
35.130.2701	Up to 230 V, 1 kVAR	334,00	29,00
35.130.2702	Up to 230 V, 1.5 kVAR	388,00	36,40
35.130.2703	Up to 230 V, 3 kVAR	607,00	47,20
35.130.2704	Up to 230 V, 5 kVAR	894,00	58,00
35.130.2705	Up to 230 V, 7.5 kVAR	1.340,00	66,00
35.130.2706	Up to 230 V, 10 kVAR	1.730,00	73,00
35.130.2750	Up to 400 V, 0.5 kVAR	510,00	29,00
35.130.2751	Up to 400 V, 1 kVAR	588,00	36,40
35.130.2752	Up to 400 V, 1.5 kVAR	703,00	43,60
35.130.2753	Up to 400 V, 2.5 kVAR	894,00	62,00
35.130.2754	Up to 400 V, 5 kVAR	1.350,00	73,00
35.130.2755	Up to 400 V, 10 kVAR	2.360,00	87,50
35.130.2756	Up to 400 V, 15 kVAR	2.810,00	109,00
35.130.2757	Up to 400 V, 20 kVAR	3.580,00	132,00
35.130.2758	Up to 400 V, 25 kVAR	4.210,00	175,00
35.130.2759	Up to 400 V, 50 kVAR	6.990,00	218,00
<b>35.130.2800</b>	<b>Communication Terminals: (Unit: Qty.)</b> Supply to the work site, installation as per the relevant project design, and delivery in working order, including any material and labor, of the devices that can communicate on RS-485, RS232, optical ports or any protocol that may be developed, or with electricity meters or any other device that supports the TS EN 62056-21 protocol.		
35.130.2801	Ethernet Communication Terminal	547,00	64,00
35.130.2802	GPRS Communication Terminal	597,00	64,00
<b>35.135.0000</b>	<b>METERING INSTRUMENTS: (Materials on construction site: 60%).</b> To be in compliance with (2014/32/EU) Measuring Instruments Directive. It shall be possible to embed metering instruments on the panel, and alternative current metering instruments shall be in compliance with 50-Hz frequency. Its accuracy class shall be according to Turkish standards (1.5).		
<b>35.135.1100</b>	<b>Voltmeters: (Unit: Qty.) (in compliance with TS 5588 EN 60051-1)</b> Supply and installation of voltmeters with a minimum size of 72x72 mm.		
35.135.1101	0 to 60 V	43,90	8,70

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.135.1102	0 to 500 V	45,80	8,70
<b>35.135.1200</b>	<b>Digital Voltmeters: (Unit: Qty.)</b> Supply to the work site, installation as per the relevant project, and delivery, including any material and labor, of an electronic voltmeter with a minimum size of 72x72 mm, which is in compliance with TS EN 61010-1, connected to electric panels, recording min. and max. values, capable of accurately measuring AC voltage of phases, and suitable for enclosure installation.		
35.135.1201	10 - 300 V AC (L-N), 10-500 V AC (L-L)	122,00	18,80
<b>35.135.1300</b>	<b>Ammeters: (Unit: Qty.) (in compliance with TS 5588 EN 60051-1)</b> Supply and installation in its designated location of an ammeter. A current transformer shall be used for higher types than 100 a. The current transformer shall be paid separately.		
35.135.1301	0 to 25 A	45,10	8,30
35.135.1302	25 to 100 A	48,60	8,30
35.135.1303	100 to 2000 A	48,60	8,30
<b>35.135.1400</b>	<b>Digital Ammeter: (Unit: Qty.)</b> Supply to the work site, installation as per the relevant project, and delivery, including any material and labor, of a digital ammeter with a minimum size of 72x72 mm, which is in compliance with TS EN 61010-1, capable of accurately measuring AC current of phases, working with a current transformer, recording demand and max. demand values, and suitable for enclosure installation. The current transformer shall be paid separately.		
35.135.1401	1-10000/5A current transformer	122,00	18,80
<b>35.135.1500</b>	<b>Voltmeter Commutators: (Unit: Qty.) (TS 4915 EN 60669-1)</b>		
35.135.1501	3 positions	25,00	8,70
35.135.1502	4 positions	28,40	8,70
35.135.1503	5 or more positions	33,30	8,70
<b>35.135.1700</b>	<b>Multimeters: (Unit: Qty.)</b> Supply to the work site, installation per the relevant project, and delivery in working order, including any material and labor, of the electronic device which is in compliance with TS EN 61000-2-6, TS EN 61000-6-4, TS EN 61010-1 and TS 4417, connected to electric panels, capable of measuring multiple parameters, and compatible with the panel installation.		
35.135.1701	<b>Multimeter: (TS 4417) compliant</b> Supply to the work site, installation as per the relevant project, and delivery, including any material and labor, of a Multimeter that can measure 3-phase current (A) and 3-phase voltage (V).	228,00	38,30
35.135.1702	<b>Multimeter: (TS 4417) compliant</b> Supply to the work site, installation as per the relevant project design, and delivery, including any material and labor, of a device that can be used with 3-phase current (A), 3-phase voltage, Cosφ and Frequency (Hz) PN), 2-phase and single-phase AC systems.	230,00	38,30
<b>35.135.1900</b>	<b>Metering Current Transformer: (1kV 5-10 VA, Sn: 0.5 -1) (Unit: Qty.) (TS- 620 EN 60044-1)</b> Supply and installation of a class 0.5 - 1 metering current transformer with 5-10-VA power, of busbar or non-busbar type, and of the same quality as the metering instruments to be used.		
35.135.1901	100 - 500/5 A.	45,20	8,80
35.135.1902	501 - 2000/5 A.	59,50	8,80
35.135.1903	2,001 - 6,000/5 A Sn:1, 10 VA.	127,00	16,60

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.135.2000</b>	<b>Frequency meter: (Unit: Qty.)</b> Supply and installation of a frequency meter in compliance with the standards (TS 5592 EN 60051-4), (TS 5558 EN 60051-1), (TS 4417), which has a range of 45 Hz to 55 Hz with 1/2-Hz increments.		
35.135.2001	<b>Gauge type:</b> Supply and installation of a frequency meter that shows the frequency by indicating the number on which the gauge stops	70,50	8,95
35.135.2002	<b>Vibration reed type:</b> Supply and installation of a frequency meter that shows the frequency by indicating the number on which the fin vibrates the most.	90,50	8,95
35.135.2003	<b>Digital type:</b> Supply and installation of digital frequency meter with a reading range of 20.0 - 99.9 Hz at 0.1 Hz increments.	102,00	8,95
<b>35.135.2500</b>	<b>Energy analyzers and circuit components (unit: qty;) (in compliance with TS 4417)</b> Delivery, including any material and labor, of the devices that can be used in 3-phase (3P, 3PN), 2-phase and single-phase AC systems with a communication module, alarm module, and optional input and output modules, and in compliance with IEC 61010, which shall be in modular structure that is capable of displaying on its backlit LCD the instantaneous, average and maximum current and power values, voltage, frequency in the range of 45 to 65 Hz, power factor and the total harmonic distortion, and RMS values up to the 21st harmonic which should be monitored in an electrical system, and which is capable of displaying five readings simultaneously.		
35.135.2501	Energy analyzer	1.110,00	214,00
35.135.2502	Modbus module	332,00	52,00
35.135.2503	Pulse module (digital output)	174,00	35,20
35.135.2504	Alarm module	217,00	48,90
35.135.2505	Two analog output modules	247,00	35,20
35.135.2506	Two digital output modules	204,00	35,20
35.135.2600	<b>COS Ø METER: (Unit: Qty.)</b> Supply and installation at its designated location of Cos Ø meters that are in compliance with TS EN 62058-31, TS EN 62058-11 and TS EN 62053-11 standards, with 0.5 inductive and 0.5 capacitive Cos Ø values. The current transformer shall not be charged.	104,00	9,25
<b>35.135.3000</b>	<b>METERS:</b>		
<b>35.135.3100</b>	<b>Single-Phase, Hour-Tariff Electronic Energy Meters: (Unit: Qty.; Materials on construction site: 60%)</b> Supply, transportation to the work site, installation and connection, and delivery in working order, of a TEDAŞ-approved, single-phase, two-wire electronic active energy meter with time tariff and its base, which shall be in compliance with the standards TS EN 62053-21 and TS 62052-11 as well as Directive (76/891/EEC) on Metering Instruments and Electric Energy Meters, awarded a brand registration certificate by the Ministry of Industry and Technology, capable of metering in maximum two accuracy classes of 10 A to 60 A and 20 A to 120 A, rated for an operating frequency of 50 Hz, capable of exchanging information with the meter as per the TS EN 62056-21 standard and of dividing a day into eight different time spans in minute-level precision based on the program of the meter, and manufactured as dustproof and waterproof in IP 51 degree of protection (TS EN 60529 standard).		
35.135.3101	Up to 10 (60) A	80,50	26,50
35.135.3102	Up to 20 (120) A	86,00	26,50

**High Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.135.3200</b>	<b>3-Phase, Hour-Tariff Electronic Energy Meters: (Unit: Qty.; Materials on construction site: 60%)</b> Supply, transportation to the work site, installation and connection, and delivery in working order, of a TEDAŞ-approved, 3-phase, four-wire electronic active meter with backlit digital display with six integer and two decimal places, a real-time clock of 100 years on the circuit of the meter, and time tariff and its base, which shall be in compliance with the standards TS EN 62053-21 and TS 62052-11 as well as Directive (76/891/EEC) on Metering Instruments and Electric Energy Meters, awarded a brand registration certificate by the Ministry of Science, Industry and Technology, capable of metering in maximum two accuracy classes in its designated current and voltage ranges, rated for an operating frequency of 50 Hz, capable of exchanging information with the meter as per the TS EN 62056-21 standard and of dividing a day into eight different time spans in minute-level precision based on the program of the meter, and manufactured as dustproof and waterproof in IP 51 degree of protection (TS EN 60529).		
35.135.3201	3 x 230 / 400V..3 x 10 (60) A	171,00	30,40
35.135.3202	3 x 230 / 400V..3 x 20 (120) A	177,00	30,40
<b>35.135.3300</b>	<b>Three-Phase, Hour-Tariff Electronic (Active-Reactive) Meters: (Unit: Qty.; Materials on construction site: 60%)</b> Supply, transportation to the work site, installation and connection, and delivery in working order, of a TEDAŞ-approved, 3-phase, four-wire Active-Reactive meter with minimum 5 (7.5) A input current backlit digital display with six integer and two decimal places, and its base, which shall be in compliance with the standards TS EN 62053-21/23 and TS 62052-11 as well as Directive (76/891/EEC) on Metering Instruments and Electric Energy Meters, awarded a brand registration certificate by the Ministry of Science, Industry and Technology, capable of measuring capacitive and inductive readings individually during reactive metering, metering in maximum two accuracy classes in its designated current and voltage ranges, rated for an operating frequency of 50 Hz, capable of exchanging information with the meter by means of an optical port as per the TS EN 62056-21 standard (EDIS and OBIS code systems shall be used for data exchange as per the standards, however the terms on the meter's display shall be easy to understand) and of dividing a day into eight different time spans in minute-level precision based on the program of the meter, and manufactured as dustproof and waterproof in IP 51 degree of protection (TS EN 60529). (The current transformer shall be paid separately in systems with current transformer.)		
35.135.3301	3 x 230 / 400 V ..3 x 5 ( 7.5) A	480,00	41,20
35.135.3302	3 x 58 / 100 V ..3 x 5 ( 7.5) A	495,00	41,20
<b>35.140.0000</b>	<b>CABLES:</b>		
<b>35.140.1000</b>	<b>MAIN AND SUBSIDIARY PANEL EARTH LINES: (Materials on construction site: 60%)</b>		
<b>35.140.1100</b>	<b>Including any material and labor for installation in the same pipe as the principal feeder line in the installation with PVC pipes, (Unit: m)</b>		
35.140.1101	4 mm <sup>2</sup> Bare stranded or solid copper wire	3,70	1,60
35.140.1102	6 mm <sup>2</sup> Bare stranded or solid copper wire	4,50	1,60
35.140.1103	10 mm <sup>2</sup> Bare stranded or solid copper wire	5,85	1,60
35.140.1104	16 mm <sup>2</sup> Bare stranded or solid copper wire	6,65	1,60



### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.140.1105	25 mm <sup>2</sup> Bare stranded or solid copper wire	9,30	1,60
<b>35.140.1200</b>	<b>Including supply of any material and labor for installation in the same pipe as the principal feeder lines through the steel pipe, gas pipe or galvanized pipe. (Unit: m)</b>		
35.140.1201	8 mm, 4 mm <sup>2</sup> Bare stranded or solid copper wire	4,00	1,60
35.140.1202	20 mm, 6 mm <sup>2</sup> Bare stranded or solid copper wire	4,75	1,60
35.140.1203	25 mm, 10 mm <sup>2</sup> Bare stranded or solid copper wire	5,85	1,60
35.140.1204	25 mm, 16 mm <sup>2</sup> Bare stranded or solid copper wire	6,65	1,60
35.140.1205	32 mm, 25 mm <sup>2</sup> Bare stranded or solid copper wire	9,30	1,60
35.140.1206	32 mm, 35 mm <sup>2</sup> Bare stranded or solid copper wire	13,50	1,80
35.140.1207	40 mm, 50 mm <sup>2</sup> Bare stranded or solid copper wire	19,00	1,80
35.140.1208	40 mm, 70 mm <sup>2</sup> Bare stranded or solid copper wire	25,70	1,80
<b>35.140.1300</b>	<b>A free console with earth lines installed on cable clips, including the supply of any material and labor. (Unit: m)</b>		
35.140.1301	4 mm <sup>2</sup> Bare stranded or solid copper wire	4,70	3,30
35.140.1302	6 mm <sup>2</sup> Bare stranded or solid copper wire	5,70	3,30
35.140.1303	10 mm <sup>2</sup> Bare stranded or solid copper wire	6,25	3,30
35.140.1304	16 mm <sup>2</sup> Bare stranded or solid copper wire	9,25	3,30
35.140.1305	25 mm <sup>2</sup> Bare stranded or solid copper wire	12,00	4,15
35.140.1306	35 mm <sup>2</sup> Bare stranded or solid copper wire	15,90	4,15
35.140.1307	50 mm <sup>2</sup> Bare stranded or solid copper wire	21,40	4,15
35.140.1308	70 mm <sup>2</sup> Bare stranded or solid copper wire	28,30	4,15
<b>35.140.2000</b>	<b>MAIN LINE AND SUPPLY LINES</b> Installation of a feeder or supply line with the phase and neutral conductors being plastic-insulated as per the lists in the Regulation on Internal Electrical Installations, and supply of any materials including pipes, cable clips, junction sleeves, brackets, terminal blocks, iron consoles, paint, and labor.		
<b>35.140.2100</b>	<b>Installation of a NV (NYA) conductor as well as column and supply lines in PVC pipe: (Unit: m)</b> Installation of a NV (NYA) conductor as well as column and supply lines in PVC pipe in compliance with TS EN 50525-1, TS EN 50525-2-31, TS 9756 HD 21.1 S4, TS 9758 HD 21.3 S3, TS9760 HD 21.5 S3, TS IEC 227-6, and TS HD 21.13 S1 Unit: The length of the pipe including the junction box, brackets and cable clips is the length of the supply line. No extra charge shall apply for junction boxes, brackets, sleeves and cable clips. An intermediate junction box shall be installed at least per 10 m. for the lines longer than 10 m. The immediately higher rate shall apply to intermediate items Note: The cables shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.		
35.140.2101	2 x 0.50 mm <sup>2</sup> P.14	4,55	3,75
35.140.2102	2 x 0.75 mm <sup>2</sup> P.14	4,85	3,75
35.140.2103	2 x 1 mm <sup>2</sup> P.14	4,90	3,75
35.140.2104	2 x 1.5 mm <sup>2</sup> P.14	5,40	3,75
35.140.2105	2 x 2.5 mm <sup>2</sup> P.14	6,35	3,75
35.140.2106	2 x 4 mm <sup>2</sup> P.18	7,85	3,75

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.140.2107	2 x 6 mm <sup>2</sup> P.18	9,75	3,75
35.140.2108	2 x 10 mm <sup>2</sup> P.26	15,00	4,20
35.140.2109	2 x 16 mm <sup>2</sup> P.26	21,10	4,20
35.140.2110	2 x 25 mm <sup>2</sup> P.37	30,90	4,20
35.140.2111	2 x 35 mm <sup>2</sup> P.37	38,50	4,20
35.140.2112	2 x 50 mm <sup>2</sup> P.37	54,50	4,20
35.140.2130	3 x 1.5 mm <sup>2</sup> P.14	6,20	3,75
35.140.2131	3 x 2.5 mm <sup>2</sup> P.18	7,60	3,75
35.140.2132	3 x 4 mm <sup>2</sup> P.18	9,70	3,75
35.140.2133	3 x 6 mm <sup>2</sup> P.26	13,00	4,20
35.140.2134	3 x 10 mm <sup>2</sup> P.26	20,00	4,20
35.140.2135	3 x 16 mm <sup>2</sup> P.37	28,50	4,20
35.140.2136	3 x 25 mm <sup>2</sup> P.37	43,70	4,20
35.140.2137	3 x 35 mm <sup>2</sup> P.37	56,00	4,20
35.140.2138	3 x 25 + 16 mm <sup>2</sup> P.37	51,50	5,70
35.140.2160	4 x 1.5 mm <sup>2</sup> P.26	8,35	5,40
35.140.2161	4 x 2.5 mm <sup>2</sup> P.18	9,95	5,40
35.140.2162	4 x 4 mm <sup>2</sup> P.26	12,80	5,40
35.140.2163	4 x 6 mm <sup>2</sup> P.26	16,50	5,70
35.140.2164	4 x 10 mm <sup>2</sup> P.37	23,90	5,70
35.140.2165	4 x 16 mm <sup>2</sup> P.37	35,00	5,70
35.140.2190	5 x 1.5 mm <sup>2</sup> P.18	9,10	5,40
35.140.2191	5x 2.5 mm <sup>2</sup> P.18	10,60	5,40
35.140.2200	6 x 1.5 mm <sup>2</sup> P.18	9,80	5,40
35.140.2201	6 x 2.5 mm <sup>2</sup> P.18	12,00	5,40
<b>35.140.2300</b>	<p><b>Installation of a supply line using NV (NYA) conductors within galvanized or internally and externally coated, threaded steel pipes (TS-9). (Unit: m)</b></p> <p>Installation of a NV (NYA) conductor and supply lines as per TS EN 50525-1, TS EN 50525-2-31, TS 9756 HD 21.1 S4, TS 9758 HD 21,3S3, TS 9760 HD 21.5 S3, TS IEC 227-6, TS HD 21.13 S1</p> <p>Unit: Similar to the Unit Price No. 727-100. Note: The cables shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.140.2301	2 x 2.5 mm <sup>2</sup> ( 1/2" ) Ø15 mm	12,50	9,30
35.140.2302	2 x 4 mm <sup>2</sup> (5/8" ) Ø18 mm	14,40	9,30
35.140.2303	2 x 6 mm <sup>2</sup> (3/4" ) Ø20 mm	17,10	9,30
35.140.2304	2 x 10 mm <sup>2</sup> (3/4" ) Ø20 mm	23,20	9,30
35.140.2305	2 x 16 mm <sup>2</sup> (1 " ) Ø25 mm	30,90	9,30
35.140.2306	2 x 25 mm <sup>2</sup> (1 1/4" ) Ø32 mm	43,80	11,30
35.140.2307	2 x 35 mm <sup>2</sup> (1 1/4" ) Ø32 mm	56,00	11,30
35.140.2308	2 x 50 mm <sup>2</sup> (1 1/2" ) Ø40 mm	72,00	11,30
35.140.2309	2 x 70 mm <sup>2</sup> (1 1/2" ) Ø40 mm	88,50	11,30
35.140.2310	3 x 2.5 mm <sup>2</sup> (5/8" ) Ø18 mm	14,60	9,30

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.140.2311	3 x 4 mm <sup>2</sup> (3/4") Ø20 mm	17,10	9,30
35.140.2312	3 x 6 mm <sup>2</sup> (1") Ø25 mm	21,00	9,30
35.140.2313	3 x 10 mm <sup>2</sup> (1") Ø25 mm	29,80	9,30
35.140.2314	3 x 16 mm <sup>2</sup> (1 1/4") Ø32 mm	40,10	9,30
35.140.2315	3 x 25 mm <sup>2</sup> (1 1/2") Ø40 mm	59,00	11,30
35.140.2316	3 x 35 mm <sup>2</sup> (1 1/2") Ø40 mm	77,00	11,30
35.140.2317	3 x 50 mm <sup>2</sup> (1 1/2") Ø40 mm	86,50	13,80
35.140.2318	3 x 70 mm <sup>2</sup> (2") Ø50 mm	116,00	13,80
35.140.2319	3 x 25 + 16 mm <sup>2</sup> (1 1/2") Ø40 mm	64,50	11,30
35.140.2320	3 x 35 + 16 mm <sup>2</sup> (1 1/2") Ø40 mm	74,50	11,30
35.140.2321	3 x 50 + 25 mm <sup>2</sup> (2") Ø50 mm	103,00	13,80
35.140.2322	3 x 70 + 35 mm <sup>2</sup> (2") Ø50 mm	131,00	13,80
35.140.2323	4 x 2.5 mm <sup>2</sup> (3/4") Ø20 mm	15,90	9,30
35.140.2324	4 x 4 mm <sup>2</sup> (1") Ø25 mm	19,80	9,30
35.140.2325	4 x 6 mm <sup>2</sup> (1") Ø25 mm	24,40	9,30
35.140.2326	4 x 10 mm <sup>2</sup> (1") Ø25 mm	36,40	9,30
35.140.2327	4 x 16 mm <sup>2</sup> (1 1/2") Ø40 mm	52,50	11,30
<b>35.140.2400</b>	<b>NV (NYA) cable: (Unit: m)</b>		
35.140.2401	1 x 1.5 mm <sup>2</sup> section	1,85	1,10
35.140.2402	1 x 2.5 mm <sup>2</sup> section	2,45	1,65
35.140.2403	1 x 4 mm <sup>2</sup> section	2,50	1,65
35.140.2404	1 x 6 mm <sup>2</sup> section	3,10	1,65
35.140.2405	1 x 10 mm <sup>2</sup> section	5,75	1,65
35.140.2406	1 x 16 mm <sup>2</sup> section	7,25	1,65
35.140.2407	1 x 25 mm <sup>2</sup> section	11,40	1,65
35.140.2408	1 x 35 mm <sup>2</sup> section	13,90	1,65
35.140.2409	1 x 50 mm <sup>2</sup> section	19,30	1,65
<b>35.140.2500</b>	<b>Installation of supply lines using lead-free, PVC insulated NVV (NYM) type cables: (Unit: m)</b> Installation of supply lines using lead-free, PVC insulated NVV (NYM) cables in compliance with TS EN 50525-1, TS 9756 HD 21.1 S4, TS 9758 HD 21.3 S3, TS 9760 HD 21.5 S3, TS IEC 227-6, TS HD 21.13 S1 (pipes not included.) Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.		
35.140.2501	2 x 1.5 mm <sup>2</sup>	6,15	4,20
35.140.2502	2 x 2.5 mm <sup>2</sup>	7,75	4,95
35.140.2503	2 x 4 mm <sup>2</sup>	9,15	4,95
35.140.2504	2 x 6 mm <sup>2</sup>	11,30	4,95
35.140.2505	2 x 10 mm <sup>2</sup>	16,90	4,95
35.140.2506	2 x 16 mm <sup>2</sup>	22,70	4,95
35.140.2507	3 x 1.5 mm <sup>2</sup>	7,45	4,95
35.140.2508	3 x 2.5 mm <sup>2</sup>	8,85	4,95
35.140.2509	3 x 4 mm <sup>2</sup>	11,20	4,95
35.140.2510	3 x 6 mm <sup>2</sup>	14,20	4,95
35.140.2511	3 x 10 mm <sup>2</sup>	21,00	4,95

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.140.2512	3 x 16 mm <sup>2</sup>	29,80	4,95
35.140.2513	4 x 1.5 mm <sup>2</sup>	8,75	5,45
35.140.2514	4 x 2.5 mm <sup>2</sup>	10,70	5,45
35.140.2515	4 x 4 mm <sup>2</sup>	13,70	5,45
35.140.2516	4 x 6 mm <sup>2</sup>	17,50	5,45
35.140.2517	4 x 10 mm <sup>2</sup>	26,30	5,45
35.140.2518	4 x 16 mm <sup>2</sup>	37,10	5,45
<b>35.140.2600</b>	<p><b>FVV-FVVn, NYMHY (FD) CONDUCTORS (Unit: m), (Price of the Cables)</b>                      Manufactured in compliance with the Standards TS EN 50525-1, TS EN 50525-2-12/22/31/42/51/71, TS 9759 HD 21.4 S2, TS HD 21.8 S2, TS HD 21.9 S2, TS EN 50525-2-21, TS IEC 60227-6, TS EN 50395, and the 2014/35/EU Low Voltage Directive (LVD) and released with a CE marking, Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. (Pipes not included.)</p>		
35.140.2601	2 x 0.50 mm <sup>2</sup> FVV	2,65	1,90
35.140.2602	3 x 0.50 mm <sup>2</sup> FVV	2,75	1,90
35.140.2603	4 x 0.50 mm <sup>2</sup> FVV	2,85	1,90
35.140.2604	2 x 0.75 mm <sup>2</sup> FVV	3,05	1,90
35.140.2605	3 x 0.75 mm <sup>2</sup> FVV	3,30	1,90
35.140.2606	4 x 0.75 mm <sup>2</sup> FVV	3,80	1,90
35.140.2610	2 x 0.75 mm <sup>2</sup> FVV-n	3,90	2,70
35.140.2611	3 x 0.75 mm <sup>2</sup> FVV-n	4,45	2,70
35.140.2612	4 x 0.75 mm <sup>2</sup> FVV-n	4,95	2,70
35.140.2613	5 x 0.75 mm <sup>2</sup> FVV-n	3,70	2,70
35.140.2614	6 x 0.75 mm <sup>2</sup> FVV-n	3,75	2,70
35.140.2615	7 x 0.75 mm <sup>2</sup> FVV-n	4,50	2,70
35.140.2620	2 x 1 mm <sup>2</sup> FVV-n	5,30	3,20
35.140.2621	3 x 1 mm <sup>2</sup> FVV-n	6,15	3,20
35.140.2622	4 x 1 mm <sup>2</sup> FVV-n	7,05	3,20
35.140.2623	5 x 1 mm <sup>2</sup> FVV-n	8,35	3,20
35.140.2624	6 x 1 mm <sup>2</sup> FVV-n	9,50	3,20
35.140.2625	7 x 1 mm <sup>2</sup> FVV-n	5,65	3,20
35.140.2630	2 x 1.5 mm <sup>2</sup> FVV-n	12,70	3,20
35.140.2631	3 x 1.5 mm <sup>2</sup> FVV-n	5,30	3,20
35.140.2632	4 x 1.5 mm <sup>2</sup> FVV-n	6,15	3,20
35.140.2633	5 x 1.5 mm <sup>2</sup> FVV-n	7,05	3,20
35.140.2634	6 x 1.5 mm <sup>2</sup> FVV-n	8,35	3,20
35.140.2635	7 x 1.5 mm <sup>2</sup> FVV-n	9,50	3,20
35.140.2640	2 x 2.5 mm <sup>2</sup> FVV-n	5,65	3,20
35.140.2641	3 x 2.5 mm <sup>2</sup> FVV-n	6,25	3,20
35.140.2642	4 x 2.5 mm <sup>2</sup> FVV-n	7,30	3,20
35.140.2643	5 x 2.5 mm <sup>2</sup> FVV-n	9,85	3,20

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.140.2644	6 x 2.5 mm <sup>2</sup> FVV-n	11,60	3,20
35.140.2645	7 x 2.5 mm <sup>2</sup> FVV-n	12,70	3,20
<b>35.140.3100</b>	<p><b>Installation of column and supply lines with 1-KV, underground YVV (NYY) cables: (Unit: m)</b>                      Installation of column and supply lines with 1-KV, underground YVV (NYY) cables in compliance with TS IEC 60502-1+A1 standards. Supply to the workplace, including cable bushings and escape pipes, any other material and labor, of underground cables for installation on plaster, on walls and ceilings through consoles or clips, or through conduits inside the building, and through conduits outside the building. Unit: The length of the cable between terminal boxes and terminal caps shall be considered. Multiple cables installed in the same conduit shall be housed in cable ducts or pipes in the diameter and length required for each cable at the locations of passage. The terminal boxes, caps, junction boxes, consoles, and conduits shall be paid separately. Iron structures shall be paid per the Item No. Y.23.176. No additional charge shall apply for passage ducts and pipes up to 10 meters long. Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.140.3101	1 x 6 mm <sup>2</sup>	6,60	3,10
35.140.3102	1 x 10 mm <sup>2</sup>	8,40	3,10
35.140.3103	1 x 16 mm <sup>2</sup>	10,80	3,10
35.140.3104	1 x 25 mm <sup>2</sup>	15,30	3,10
35.140.3105	1 x 35 mm <sup>2</sup>	20,00	3,10
35.140.3106	1 x 50 mm <sup>2</sup>	26,40	4,95
35.140.3107	1 x 70 mm <sup>2</sup>	36,60	4,95
35.140.3108	1 x 95 mm <sup>2</sup>	47,80	4,95
35.140.3109	1 x 120 mm <sup>2</sup>	58,50	4,95
35.140.3110	1 x 150 mm <sup>2</sup>	71,50	4,95
35.140.3111	1 x 185 mm <sup>2</sup>	84,50	4,95
35.140.3112	1 x 240 mm <sup>2</sup>	115,00	4,95
35.140.3130	2 x 1.5 mm <sup>2</sup>	6,30	4,15
35.140.3131	2 x 2.5 mm <sup>2</sup>	7,15	4,15
35.140.3132	2 x 4 mm <sup>2</sup>	8,90	4,15
35.140.3133	2 x 6 mm <sup>2</sup>	11,10	4,15
35.140.3134	2 x 10 mm <sup>2</sup>	15,40	4,15
35.140.3135	2 x 16 mm <sup>2</sup>	21,10	4,15
35.140.3136	2 x 25 mm <sup>2</sup>	29,30	4,15
35.140.3160	3 x 1.5 mm <sup>2</sup>	7,00	4,15
35.140.3161	3 x 2.5 mm <sup>2</sup>	8,40	4,15
35.140.3162	3 x 4 mm <sup>2</sup>	10,50	4,15
35.140.3163	3 x 6 mm <sup>2</sup>	13,70	4,15
35.140.3164	3 x 10 mm <sup>2</sup>	19,50	4,15
35.140.3165	3 x 16 mm <sup>2</sup>	27,40	4,15
35.140.3166	3 x 25 mm <sup>2</sup>	42,30	4,15
35.140.3190	3 x 25 + 16 mm <sup>2</sup>	48,20	7,95

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.140.3191	3 x 35 + 16 mm <sup>2</sup>	63,00	7,95
35.140.3192	3 x 50 + 25 mm <sup>2</sup>	89,00	11,20
35.140.3193	3 x 70 + 35 mm <sup>2</sup>	120,00	13,10
35.140.3194	3 x 95 + 50 mm <sup>2</sup>	167,00	14,30
35.140.3195	3 x 120 + 70 mm <sup>2</sup>	211,00	15,70
35.140.3196	3 x 150 + 70 mm <sup>2</sup>	249,00	15,70
35.140.3197	3 x 185 + 95 mm <sup>2</sup>	311,00	17,00
35.140.3198	3 x 240 + 120 mm <sup>2</sup>	406,00	13,20
35.140.3220	4 x 1.5 mm <sup>2</sup>	7,70	4,20
35.140.3221	4 x 2.5 mm <sup>2</sup>	9,05	4,20
35.140.3222	4 x 4 mm <sup>2</sup>	13,30	4,70
35.140.3223	4 x 6 mm <sup>2</sup>	18,10	4,70
35.140.3224	4 x 10 mm <sup>2</sup>	24,80	4,70
35.140.3225	4 x 16 mm <sup>2</sup>	35,90	5,15
35.140.3226	4 x 25 mm <sup>2</sup>	70,50	18,80
35.140.3227	4 x 35 mm <sup>2</sup>	88,00	19,40
35.140.3228	4 x 50 mm <sup>2</sup>	112,00	19,70
35.140.3229	4 x 70 mm <sup>2</sup>	153,00	20,20
35.140.3230	4 x 95 mm <sup>2</sup>	206,00	20,40
35.140.3231	4 x 120 mm <sup>2</sup>	252,00	21,30
35.140.3232	4 x 150 mm <sup>2</sup>	306,00	21,90
35.140.3233	4 x 185 mm <sup>2</sup>	380,00	22,70
35.140.3234	4 x 240 mm <sup>2</sup>	497,00	23,60
35.140.3250	5 x 1.5 mm <sup>2</sup>	8,90	4,20
35.140.3251	5 x 2.5 mm <sup>2</sup>	12,00	4,70
35.140.3260	10 x 1.5 mm <sup>2</sup>	14,90	4,70
35.140.3261	12 x 1.5 mm <sup>2</sup>	17,20	4,70
35.140.3262	14 x 1.5 mm <sup>2</sup>	18,40	4,70
35.140.3263	19 x 1.5 mm <sup>2</sup>	23,30	4,70
35.140.3264	21 x 1.5 mm <sup>2</sup>	23,20	4,70
35.140.3265	24 x 1.5 mm <sup>2</sup>	27,60	4,70
35.140.3266	30 x 1.5 mm <sup>2</sup>	36,90	4,70
<b>35.140.3400</b>	<p><b>Installation of column and supply lines with 1-KV, underground YVMY (NYCY) Y2 cables: (Unit: m)</b></p> <p>Installation of column and supply lines with 1-KV, underground YVMY (NYCY) Y2 cables in compliance with TS EN 60502-1+A1. Same as the Unit Price No. 35.140.3100 except that the item shall be used with YVMY (NYCY) cables (the concentric conductor shall be used as a neutral conductor) Unit: Similar to the Unit Price No. 35.140.3100. Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.140.3401	3 x 6 mm <sup>2</sup>	20,00	4,20
35.140.3402	3 x 10 mm <sup>2</sup>	27,70	4,20
35.140.3403	3 x 16 mm <sup>2</sup>	42,00	4,20
35.140.3404	3 x 25 + 16 mm <sup>2</sup>	64,50	8,00

**High Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.140.3405	3 x 35 + 16 mm <sup>2</sup>	80,50	8,00
35.140.3406	3 x 50 + 25 mm <sup>2</sup>	111,00	11,30
35.140.3407	3 x 70 + 35 mm <sup>2</sup>	146,00	13,10
35.140.3408	3 x 95 + 50 mm <sup>2</sup>	205,00	14,50
35.140.3409	3 x 120 + 70 mm <sup>2</sup>	264,00	14,50
35.140.3410	3 x 150 + 70 mm <sup>2</sup>	316,00	16,00
35.140.3411	3 x 185 + 95 mm <sup>2</sup>	390,00	17,90
35.140.3412	3 x 240 + 120 mm <sup>2</sup>	503,00	19,80
35.140.3430	4 x 1.5 mm <sup>2</sup>	11,10	4,20
35.140.3431	4 x 2.5 mm <sup>2</sup>	13,30	4,20
35.140.3432	4 x 4 mm <sup>2</sup>	17,50	4,20
35.140.3433	4 x 6 mm <sup>2</sup>	22,60	4,95
35.140.3434	4 x 10 mm <sup>2</sup>	32,20	4,95
35.140.3435	4 x 16 mm <sup>2</sup>	45,40	6,60
<b>35.140.3500</b>	<b>Installation of column and supply lines with 1-KV, underground YVOV (NYRY): YVŞÇV (NYFGBY) cables: (Unit: m)</b> Installation of YVOV (NYRY): YVŞÇV (NYFGBY) supply line in compliance with TS IEC 60502-1+A1. Unit: Similar to the Unit Price No. 35.140.3100. Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.		
35.140.3501	3 x 2.5 /6 mm <sup>2</sup>	12,90	4,20
35.140.3502	3 x 4 /6 mm <sup>2</sup>	16,00	4,20
35.140.3503	3 x 6 /6 mm <sup>2</sup>	18,90	4,20
35.140.3504	3 x 10 /6 mm <sup>2</sup>	24,10	4,20
35.140.3530	4 x 1.5 /6 mm <sup>2</sup>	12,10	4,20
35.140.3531	4 x 2.5 /6 mm <sup>2</sup>	13,90	4,20
35.140.3532	4 x 4 /6 mm <sup>2</sup>	17,40	4,20
35.140.3533	4 x 6 /6 mm <sup>2</sup>	21,70	4,95
35.140.3534	4 x 10 /10 mm <sup>2</sup>	30,00	4,95
35.140.3535	4 x 16 /16 mm <sup>2</sup>	39,70	4,95
35.140.3606	3 x 25 + 16/16 mm <sup>2</sup>	61,00	8,00
35.140.3607	3 x 35 + 16/16 mm <sup>2</sup>	77,50	8,00
35.140.3608	3 x 50 + 25/16 mm <sup>2</sup>	100,00	11,30
35.140.3609	3 x 70 + 35/16 mm <sup>2</sup>	129,00	13,10
35.140.3610	3 x 95 + 50/25 mm <sup>2</sup>	174,00	14,50
35.140.3611	3 x 120 + 70/35 mm <sup>2</sup>	219,00	14,50
35.140.3612	3 x 150 + 70/35 mm <sup>2</sup>	252,00	16,00
35.140.3613	3 x 185 + 95/50 mm <sup>2</sup>	316,00	17,90
35.140.3614	3 x 240 +120/70 mm <sup>2</sup>	406,00	19,80

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.140.5100</b>	<p><b>Installation of column and supply lines with 1-KV, underground, YAVV (NAYY) cables with aluminum conductor: (Unit: m)</b></p> <p>Installation of column and supply lines with 1-KV, underground, YAVV (NAYY) cables with aluminum conductor in compliance with TS IEC 60502-1+A1 (Unit: m) Same as the Unit Price No. 35.140.3100 (Phase and neutral conductors are aluminum)</p> <p>Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.140.5101	3 x 25 rm/ 16 mm <sup>2</sup>	18,40	8,80
35.140.5102	3 x 35 srm/ 16 mm <sup>2</sup>	21,30	9,30
35.140.5103	3 x 50 srm/ 25 mm <sup>2</sup>	29,10	13,80
35.140.5104	3 x 70 srm/ 35 mm <sup>2</sup>	37,00	15,20
35.140.5105	3 x 95 srm/ 50 mm <sup>2</sup>	48,20	16,90
35.140.5106	3 x 120 srm/ 70 mm <sup>2</sup>	56,00	16,90
35.140.5107	3 x 150 srm/ 70 mm <sup>2</sup>	65,00	19,30
35.140.5108	3 x 185 srm/ 95 mm <sup>2</sup>	79,00	20,70
35.140.5109	3 x 240 srm/ 120 mm <sup>2</sup>	99,00	23,60
35.140.5110	4 x 16 mm <sup>2</sup>	15,20	8,00
<b>35.140.5200</b>	<p><b>Installation of column and supply lines with 1-KV, underground YAVMV (NAYCY) cables: (Unit: m)</b></p> <p>Installation of column and supply lines with 1-KV, underground YAVMY, (NAYCY) cables with aluminum conductor in compliance with TS IEC 60502-1+A1. Identical with Unit Price No. 35.140.3100 except that the item shall be used with YAVMY, (NAYCY) cables. Phase conductors shall be aluminum, concentric conductors shall be used as copper and neutral conductor. Unit: Similar to the Unit Price No. 727-500. Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.140.5201	3 x 16 x 16 mm <sup>2</sup>	13,20	7,45
35.140.5202	3 x 25 rm/ 16 mm <sup>2</sup>	18,90	8,75
35.140.5203	3 x 35 srm/ 16 mm <sup>2</sup>	22,80	8,75
35.140.5204	3 x 50 srm/ 25 mm <sup>2</sup>	28,10	12,80
35.140.5205	3 x 70 srm/ 35 mm <sup>2</sup>	36,30	14,10
35.140.5206	3 x 95 srm/ 50 mm <sup>2</sup>	44,40	15,60
35.140.5207	3 x 120 srm/ 70 mm <sup>2</sup>	52,00	15,60
35.140.5208	3 x 150 srm/ 70 mm <sup>2</sup>	64,00	17,90
35.140.5209	3 x 185 srm/ 95 mm <sup>2</sup>	78,50	19,30
35.140.5210	3 x 240 srm/ 120 mm <sup>2</sup>	95,50	21,90



### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.140.5300</b>	<p><b>Installation of column and supply lines with 1-KV, underground YAVŞV (NAYFY) cables with aluminum conductor: (Unit: m)</b>                      Installation of column and supply lines with 1-KV, underground cables with aluminum conductor in compliance with TS IEC 60502-1+A1. Unit: Similar to the Unit Price No. 35.140.3100. Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.140.5301	4 x 16 mm <sup>2</sup>	15,10	7,60
35.140.5302	3 x 25 mm <sup>2</sup> / 16 mm <sup>2</sup>	21,40	8,90
35.140.5303	3 x 35 srm / 16 mm <sup>2</sup>	25,30	8,90
35.140.5304	3 x 50 srm / 25 mm <sup>2</sup>	30,80	13,10
35.140.5305	3 x 70 srm / 35 srm mm <sup>2</sup>	39,80	14,30
35.140.5306	3 x 95 srm / 50 srm mm <sup>2</sup>	50,50	15,90
35.140.5307	3 x 120 srm / 70 srm mm <sup>2</sup>	63,00	15,90
35.140.5308	3 x 150 srm / 70 srm mm <sup>2</sup>	75,00	18,30
35.140.5309	3 x 185 srm / 95 srm mm <sup>2</sup>	91,50	19,50
35.140.5310	3 x 240 srm / 120 srm mm <sup>2</sup>	102,00	21,40
<b>35.150.1000</b>	<p><b>Halogen-free cables</b>                      Flame-retardant, halogen-free cables for the main line and supply lines (Materials on construction site: 60%). Installation, including the supply of pipes, clips, junction sleeves, brackets, terminal blocks, iron consoles, paint, any material and labor, of columns or supply lines with plastic insulation (HO7Z, O7Z1, minimum 300/500 V) manufactured in compliance with the standards TS EN 50525-3-31, TS EN 60754-1, TS EN60754-2 and TS EN 60332-1-2, TS EN 60332-3-22 for halogen-free materials and the 2014/35/EU Low Voltage Directive (LVD), which are released with CE markings. Note: The cables shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
<b>35.150.1100</b>	<p><b>Installation of column and supply line using (HO7Z,O7Z1) conductors within HFFR pipes: (Unit: m)</b>                      Installation of column or supply lines with plastic insulation (HO7Z, O7Z1, minimum 300/500 V), including the supply of any material and labor.</p>		
35.150.1101	2 x 0.5 mm <sup>2</sup> P.14	4,45	2,95
35.150.1102	2 x 0.75 mm <sup>2</sup> P.14	4,75	3,00
35.150.1103	2 x 1 mm <sup>2</sup> P.14	4,90	3,00
35.150.1104	2 x 1.5 mm <sup>2</sup> P.14	5,25	3,00
35.150.1105	2 x 2.5 mm <sup>2</sup> P.14	6,30	3,10
35.150.1106	2 x 4 mm <sup>2</sup> P.18	7,55	3,10
35.150.1107	2 x 6 mm <sup>2</sup> P.18	8,80	3,10
35.150.1108	2 x 10 mm <sup>2</sup> P.26	13,90	3,65
35.150.1109	2 x 16 mm <sup>2</sup> P.26	19,90	3,65
35.150.1110	2 x 25 mm <sup>2</sup> P.37	28,60	3,65
35.150.1111	2 x 35 mm <sup>2</sup> P.37	39,40	3,65

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.150.1112	2 x 50 mm <sup>2</sup> P.37	49,30	3,65
35.150.1130	3 x 1.5 mm <sup>2</sup> P.14	6,40	3,10
35.150.1131	3 x 2.5 mm <sup>2</sup> P.18	7,80	3,10
35.150.1132	3 x 4 mm <sup>2</sup> P.18	9,85	3,65
35.150.1133	3 x 6 mm <sup>2</sup> P.26	13,10	3,65
35.150.1134	3 x 10 mm <sup>2</sup> P.26	20,70	3,65
35.150.1135	3 x 16 mm <sup>2</sup> P.37	28,30	3,65
35.150.1136	3 x 25 mm <sup>2</sup> P.37	42,70	3,65
35.150.1137	3 x 35 mm <sup>2</sup> P.37	53,00	3,65
35.150.1138	3 x 25 + 16 mm <sup>2</sup> P.37	51,50	4,70
35.150.1160	4 x 1.5 mm <sup>2</sup> P.18	8,40	4,50
35.150.1161	4 x 2.5 mm <sup>2</sup> P.18	9,80	4,70
35.150.1162	4 x 4 mm <sup>2</sup> P.26	13,10	4,70
35.150.1163	4 x 6 mm <sup>2</sup> P.26	16,20	4,70
35.150.1164	4 x 10 mm <sup>2</sup> P.37	25,90	4,70
35.150.1165	4 x 16 mm <sup>2</sup> P.37	36,50	4,70
35.150.1190	5 x 1.5 mm <sup>2</sup> P.18	9,30	4,50
35.150.1191	5 x 2.5 mm <sup>2</sup> P.18	11,10	4,50
35.150.1200	6 x 1.5 mm <sup>2</sup> P.18	9,70	4,50
35.150.1201	6 x 2.5 mm <sup>2</sup> P.18	11,70	4,50
<b>35.150.1300</b>	<b>Installation of a supply line using (HO7Z, O7Z1, minimum 300/500 V) conductors within galvanized or internally and externally coated, threaded steel pipes (TS-9). (Unit: m)</b> Installation of column or supply lines with plastic insulation (HO7Z, O7Z1, minimum 300/500 V), including the supply of any material and labor.		
35.150.1301	2 x 2.5 mm <sup>2</sup> (1/2") Ø15 mm	12,20	7,50
35.150.1302	2 x 4 mm <sup>2</sup> ( 5/8" ) Ø18 mm	13,80	7,75
35.150.1303	2 x 6 mm <sup>2</sup> ( 3/4" ) Ø20 mm	16,20	7,75
35.150.1304	2 x 10 mm <sup>2</sup> ( 3/4" ) Ø20 mm	21,00	7,75
35.150.1305	2 x 16 mm <sup>2</sup> ( 1" ) Ø25 mm	27,60	7,75
35.150.1306	2 x 25 mm <sup>2</sup> (1 1/4") Ø32 mm	39,20	8,95
35.150.1307	2 x 35 mm <sup>2</sup> (1 1/4") Ø32 mm	45,80	8,95
35.150.1308	2 x 50 mm <sup>2</sup> (1 1/2") Ø40 mm	62,00	8,95
35.150.1309	2 x 70 mm <sup>2</sup> (1 1/2") Ø40 mm	64,50	8,95
35.150.1330	3 x 2.5 mm <sup>2</sup> ( 3/4" ) Ø20 mm	14,90	7,75
35.150.1331	3 x 4 mm <sup>2</sup> ( 3/4" ) Ø20 mm	16,20	7,75
35.150.1332	3 x 6 mm <sup>2</sup> (1") Ø25 mm	20,40	7,75
35.150.1333	3 x 10 mm <sup>2</sup> (1") Ø25 mm	28,20	7,75
35.150.1334	3 x 16 mm <sup>2</sup> (1 1/4") Ø32 mm	37,10	8,95
35.150.1335	3 x 25 mm <sup>2</sup> (1 1/2") Ø40 mm	53,00	8,95
35.150.1336	3 x 35 mm <sup>2</sup> (1 1/2") Ø40 mm	64,50	8,95
35.150.1337	3 x 50 mm <sup>2</sup> (1 1/2") Ø40 mm	86,50	10,70
35.150.1338	3 x 70 mm <sup>2</sup> (2") Ø50 mm	111,00	10,70
35.150.1360	3 x 25 + 16 mm <sup>2</sup> (1 1/2") Ø40 mm	64,00	8,95
35.150.1361	3 x 35 + 16 mm <sup>2</sup> (1 1/2") Ø40 mm	74,00	8,95
35.150.1362	3 x 50 + 25 mm <sup>2</sup> ( 2" ) Ø50 mm	103,00	10,70
35.150.1363	3 x 70 + 35 mm <sup>2</sup> ( 2" ) Ø50 mm	126,00	10,70

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.150.1370	4 x 2.5 mm <sup>2</sup> ( 3/4" ) Ø20 mm	16,20	7,75
35.150.1371	4 x 4 mm <sup>2</sup> ( 1" ) Ø25 mm	20,40	7,75
35.150.1372	4 x 6 mm <sup>2</sup> ( 1" ) Ø25 mm	23,60	7,75
35.150.1373	4 x 10 mm <sup>2</sup> ( 1" ) Ø25 mm	31,50	7,75
35.150.1374	4 x 16 mm <sup>2</sup> (1 1/2") Ø40 mm	52,00	8,95
<b>35.150.1400</b>	<b>HO7Z, O7Z1 cables (minimum 300/500 V): (Unit: m)</b> Supply, transportation to the work site, and installation of the cables, including any small material and labor. Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.		
35.150.1401	1 x 1.5 mm <sup>2</sup> section	1,95	0,95
35.150.1402	1 x 2.5 mm <sup>2</sup> section	2,40	0,95
35.150.1403	1 x 4 mm <sup>2</sup> section	3,20	0,95
35.150.1404	1 x 6 mm <sup>2</sup> section	4,05	0,95
35.150.1405	1 x 10 mm <sup>2</sup> section	6,35	0,90
35.150.1406	1 x 16 mm <sup>2</sup> section	9,05	0,90
35.150.1407	1 x 25 mm <sup>2</sup> section	13,80	0,90
35.150.1408	1 x 35 mm <sup>2</sup> section	18,60	0,90
35.150.1409	1 x 50 mm <sup>2</sup> section	26,70	0,90
<b>35.150.1500</b>	<b>Installation of a supply line with halogen-free, flame-retardant, isolated, multi-core NHXMH cables: (Unit: m)</b> Installation of column or supply lines (NHXMH, minimum 300/500 V), including the supply of any material and labor.		
35.150.1501	2 x 1.5 mm <sup>2</sup>	6,95	4,15
35.150.1502	2 x 2.5 mm <sup>2</sup>	7,50	4,15
35.150.1503	2 x 4 mm <sup>2</sup>	9,45	4,15
35.150.1504	2 x 6 mm <sup>2</sup>	12,30	4,15
35.150.1505	2 x 10 mm <sup>2</sup>	16,50	4,20
35.150.1506	2 x 16 mm <sup>2</sup>	22,20	4,20
35.150.1530	3 x 1.5 mm <sup>2</sup>	7,55	4,15
35.150.1531	3 x 2.5 mm <sup>2</sup>	8,85	4,15
35.150.1532	3 x 4 mm <sup>2</sup>	11,60	4,15
35.150.1533	3 x 6 mm <sup>2</sup>	14,60	4,15
35.150.1534	3 x 10 mm <sup>2</sup>	20,40	4,15
35.150.1535	3 x 16 mm <sup>2</sup>	30,60	4,15
35.150.1560	4 x 1.5 mm <sup>2</sup>	8,65	4,65
35.150.1561	4 x 2.5 mm <sup>2</sup>	10,60	4,65
35.150.1562	4 x 4 mm <sup>2</sup>	13,90	4,65
35.150.1563	4 x 6 mm <sup>2</sup>	18,10	4,65
35.150.1564	4 x 10 mm <sup>2</sup>	27,40	4,65
35.150.1565	4 x 16 mm <sup>2</sup>	38,20	4,65

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.150.2100</b>	<b>Installation of column and supply lines with 1-KV, underground N2XH cables: (Unit: m)</b> Supply to the workplace, including cable bushings and escape pipes, any other material and labor, of 0.6/1kV, underground N2XH cables for installation on plaster, on walls and ceilings through consoles or clips, or through conduits inside the building, and through conduits outside the building. Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.		
35.150.2101	1 x 6 mm <sup>2</sup>	6,65	2,85
35.150.2102	1 x 10 mm <sup>2</sup>	8,30	2,85
35.150.2103	1 x 16 mm <sup>2</sup>	11,00	2,85
35.150.2104	1 x 25 mm <sup>2</sup>	16,40	2,85
35.150.2105	1 x 35 mm <sup>2</sup>	20,70	2,85
35.150.2106	1 x 50 mm <sup>2</sup>	25,50	2,85
35.150.2107	1 x 70 mm <sup>2</sup>	34,50	2,85
35.150.2108	1 x 95 mm <sup>2</sup>	48,30	2,85
35.150.2109	1 x 120 mm <sup>2</sup>	58,00	2,85
35.150.2110	1 x 150 mm <sup>2</sup>	73,00	2,85
35.150.2111	1 x 185 mm <sup>2</sup>	88,50	2,85
35.150.2112	1 x 240 mm <sup>2</sup>	107,00	2,85
35.150.2120	2 x 1.5 mm <sup>2</sup>	6,65	3,50
35.150.2121	2 x 2.5 mm <sup>2</sup>	7,30	3,50
35.150.2122	2 x 4 mm <sup>2</sup>	8,90	3,50
35.150.2123	2 x 6 mm <sup>2</sup>	11,10	3,65
35.150.2124	2 x 10 mm <sup>2</sup>	16,10	3,65
35.150.2125	2 x 16 mm <sup>2</sup>	21,90	3,65
35.150.2126	2 x 25 mm <sup>2</sup>	30,70	3,65
35.150.2150	3 x 1.5 mm <sup>2</sup>	7,05	3,65
35.150.2151	3 x 2.5 mm <sup>2</sup>	8,40	3,50
35.150.2152	3 x 4 mm <sup>2</sup>	10,90	3,65
35.150.2153	3 x 6 mm <sup>2</sup>	14,30	3,65
35.150.2154	3 x 10 mm <sup>2</sup>	21,70	3,65
35.150.2155	3 x 16 mm <sup>2</sup>	30,20	3,65
35.150.2156	3 x 25 mm <sup>2</sup>	44,50	3,65
35.150.2170	3 x 25 + 16 mm <sup>2</sup>	55,00	7,75
35.150.2171	3 x 35 + 16 mm <sup>2</sup>	68,00	7,75
35.150.2172	3 x 50 + 25 mm <sup>2</sup>	91,00	10,40
35.150.2173	3 x 70 + 35 mm <sup>2</sup>	131,00	11,60
35.150.2174	3 x 95 + 50 mm <sup>2</sup>	169,00	13,20
35.150.2175	3 x 120 + 70 mm <sup>2</sup>	216,00	15,00
35.150.2176	3 x 150 + 70 mm <sup>2</sup>	270,00	15,00
35.150.2177	3 x 185 + 95 mm <sup>2</sup>	341,00	16,00
35.150.2178	3 x 240 + 120 mm <sup>2</sup>	439,00	18,00
35.150.2190	4 x 1.5 mm <sup>2</sup>	8,25	3,65
35.150.2191	4 x 2.5 mm <sup>2</sup>	10,30	3,65

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.150.2192	4 x 4 mm <sup>2</sup>	13,20	3,65
35.150.2193	4 x 6 mm <sup>2</sup>	17,30	4,20
35.150.2194	4 x 10 mm <sup>2</sup>	29,00	4,20
35.150.2195	4 x 16 mm <sup>2</sup>	40,40	4,70
35.150.2196	4 x 25 mm <sup>2</sup>	57,50	7,85
35.150.2197	4 x 35 mm <sup>2</sup>	78,50	7,85
35.150.2198	4 x 50 mm <sup>2</sup>	102,00	10,70
35.150.2199	4 x 70 mm <sup>2</sup>	146,00	11,80
35.150.2200	4 x 95 mm <sup>2</sup>	196,00	13,30
35.150.2201	4 x 120 mm <sup>2</sup>	249,00	15,40
35.150.2202	4 x 150 mm <sup>2</sup>	298,00	15,40
35.150.2203	4 x 185 mm <sup>2</sup>	387,00	16,20
35.150.2204	4 x 240 mm <sup>2</sup>	488,00	18,00
35.150.2210	5 x 1.5 mm <sup>2</sup>	9,55	3,65
35.150.2211	5 x 2.5 mm <sup>2</sup>	12,20	4,20
35.150.2212	5 x 4 mm <sup>2</sup>	16,20	4,20
35.150.2213	5 x 6 mm <sup>2</sup>	21,70	4,20
35.150.2214	5 x 10 mm <sup>2</sup>	33,00	4,20
35.150.2240	10 x 1.5 mm <sup>2</sup>	16,60	4,20
35.150.2241	12 x 1.5 mm <sup>2</sup>	18,10	4,20
35.150.2242	14 x 1.5 mm <sup>2</sup>	20,20	4,20
35.150.2243	19 x 1.5 mm <sup>2</sup>	25,70	4,20
35.150.2244	21 x 1.5 mm <sup>2</sup>	27,90	4,20
35.150.2245	24 x 1.5 mm <sup>2</sup>	29,80	4,20
35.150.2246	30 x 1.5 mm <sup>2</sup>	34,70	4,70
<b>35.150.3100</b>	<b>N2XHFE 180 0.6/1kV fireproof cables (Unit: m)</b> Cables (except pipes and junction boxes) with single or multiple wires, copper conductors, special synthetic insulators, special layers of fill and a special synthetic external casing, which shall retain their functionality for 180 in flames as per TS IEC 60331-11/21 and TS EN 61034-1/2, and comply with the production standard VDE 0276-604.0266, with any material and labor included.		
35.150.3101	1x4re	7,05	3,30
35.150.3102	1x6re	7,95	3,30
35.150.3103	1 x 10 rm	10,50	3,30
35.150.3104	1 x 16rm	13,80	3,30
35.150.3105	1 x 25 rm	18,90	3,30
35.150.3106	1 x 35 rm	24,40	3,30
35.150.3107	1 x 50 rm	30,00	3,30
35.150.3108	1 x 70 rm	39,90	3,30
35.150.3109	1 x 95 rm	54,00	3,30
35.150.3110	1 x 120 rm	66,50	3,30
35.150.3111	1 x 150 rm	79,00	3,30
35.150.3112	1 x 185 rm	96,00	3,30
35.150.3113	1 x 240 rm	124,00	3,30
35.150.3120	2 x 1.5re	8,70	4,15
35.150.3121	2 x 2.5re	10,10	4,15
35.150.3122	2 x 4re	12,00	4,15

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.150.3123	2 x 6re	14,20	4,15
35.150.3124	2 x 10 rm	19,70	4,15
35.150.3140	3 x 1.5re	10,10	4,15
35.150.3141	3 x 2.5re	11,60	4,15
35.150.3142	3 x 4re	13,50	4,15
35.150.3143	3 x 6re	17,90	4,15
35.150.3144	3 x 10 rm	25,50	4,15
35.150.3145	3 x 16 rm/10 rm	42,20	5,60
35.150.3146	3 x 25 rm/16 rm	64,50	8,50
35.150.3147	3 x 35 rm/16 rm	78,00	8,90
35.150.3148	3 x 50 rm/25 rm	107,00	12,40
35.150.3149	3 x 70 rm/35 rm	142,00	14,20
35.150.3150	3 x 95 rm/50 rm	194,00	15,70
35.150.3151	3 x 120 rm/70 rm	246,00	17,60
35.150.3152	3 x 150 rm/70 rm	287,00	17,60
35.150.3153	3 x 185 rm/95 rm	363,00	19,50
35.150.3154	3 x 240 rm/120 rm	467,00	21,40
35.150.3160	4 x 1.5re	11,30	4,15
35.150.3161	4 x 2.5re	13,30	4,15
35.150.3162	4 x 4re	16,60	4,15
35.150.3163	4 x 6re	21,60	5,10
35.150.3164	4 x 10 rm	31,20	5,10
35.150.3165	4 x 16 rm	44,00	5,10
35.150.3166	4 x 25 rm	66,50	8,70
35.150.3167	4 x 35 rm	85,50	9,00
35.150.3168	4 x 50 rm	114,00	12,50
35.150.3169	4 x 70 rm	162,00	14,20
35.150.3170	4 x 95 rm	214,00	15,70
35.150.3171	4 x 120 rm	257,00	18,00
35.150.3172	4 x 150 rm	319,00	18,00
35.150.3173	4 x 185 rm	410,00	19,70
35.150.3174	4 x 240 rm	528,00	21,90
35.150.3180	5 x 1.5re	13,60	5,10
35.150.3181	5 x 2.5re	16,20	5,10
35.150.3182	7 x 1.5re	17,90	5,10
35.150.3183	7 x 2.5re	19,80	5,10
35.150.3184	10 x 1.5re	21,20	5,10
35.150.3185	10 x 2.5re	27,90	5,10
35.150.3186	12 x 1.5re	23,70	5,10
35.150.3187	12 x 2.5re	29,40	5,10
35.150.3188	19 x 1.5re	38,10	5,60
35.150.3189	19 x 2.5re	48,10	5,60

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.150.3500</b>	<p><b>Silicon-insulated Cables Resistant to Extreme Heat (Unit: m)</b>  Supply, transportation, installation, establishment of the connections, and delivery in working order, of halogen-free (bromine, chlorine, fluorine, iodine, etc.), flame-retardant, non-corrosive cables resistant to mechanical impacts and extreme heat and in compliance with the standards (TS EN 50200, TS IEC 60331-21, TS EN 50267-2-1/2/3, TS EN 60332-3-24, TS EN 60228) and capable of conducting current up to three hours (180 minutes) at 750°C temperature and in flames without any deterioration of its insulation or any change in its current conducting capacity, with a rated voltage of maximum 0.6/1.0 kV (flame resistance category B, water and flame resistance category W per BS 6387, and mechanical impact and flame resistance category Y), FE 180 / E 90, which shall be coated with a layer of special silicon insulation that can turn into ceramic on single-wire (class 1-2) or multi-wire (class 5-6) electrolytic copper conductors for single-core cables, and coated with a silicon external casing that can bend among each other and turn into silicon and insulated with silicon against extreme heat and flames for multi-core cables. (Price of the pipe is not included) Note: Test reports shall be submitted to the Administration.</p>		
35.150.3501	1 x 1.5 mm <sup>2</sup>	2,55	1,90
35.150.3502	1 x 2.5 mm <sup>2</sup>	3,35	1,90
35.150.3503	1 x 4 mm <sup>2</sup>	5,50	1,90
35.150.3504	1 x 6 mm <sup>2</sup>	7,80	2,85
35.150.3505	1 x 10 mm <sup>2</sup>	11,00	2,85
35.150.3506	1 x 16 mm <sup>2</sup>	17,50	2,85
35.150.3507	1 x 25 mm <sup>2</sup>	26,50	2,85
35.150.3508	1 x 35 mm <sup>2</sup>	37,50	4,70
35.150.3509	1 x 50 mm <sup>2</sup>	53,00	4,70
35.150.3510	1 x 70 mm <sup>2</sup>	56,50	4,70
35.150.3511	1 x 95 mm <sup>2</sup>	98,50	4,70
35.160.0000	OUTLET BRANCHES, PIPES AND FITTINGS:		
35.160.1000	OUTLET BRANCHES:		
<b>35.160.1100</b>	<p><b>Lighting outlet branch: (Unit: Qty.: Materials on construction site: 60%)</b> Installation of surface-mounted or flush-mounted lighting outlet lines (not including the fixtures), including the labor, and supply and transportation to the work site, of junction boxes, terminal blocks, switches, fixtures, fixing blocks and any material, with minimum 2.5-mm<sup>2</sup> service lines and 1.5-mm<sup>2</sup> outlet branch lines, phase and neutral conductors colored per TS EN 60445 and plastic-insulated, which shall be laid through peschel, bergman or PVC pipes. No price difference shall be charged for thicker walls.</p>		
35.160.1101	Single switch outlet branch.	69,50	36,90
35.160.1102	Dual switch outlet branch.	88,00	40,70
35.160.1103	Two-way outlet branch.	109,00	45,30
35.160.1104	Parallel outlet branch.	34,90	22,30
35.160.1105	Chandelier outlet branch.	71,50	40,70
35.160.1106	Parallel chandelier outlet branch	34,90	22,30
35.160.1107	3-phase outlet branch.	71,50	40,70
35.160.1108	<p><b>3-phase parallel outlet branch.</b>  Unit: As in Unit Price No. 35.160.1150.</p>	36,20	27,80

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.160.1150</b>	<p><b>Security line lighting outlet branches: (The security line shall be plastic-insulated): (Unit: Qty.)</b>                      Security line lighting outlets: (The security line shall be plastic-insulated): (Unit: Qty.) Installation of surface-mounted or flush-mounted lighting outlet lines (not including the fixtures), including the labor, and supply and transportation to the work site, of junction boxes, terminal blocks, switches, fixtures, fixing blocks and any material, with minimum 2.5-mm<sup>2</sup> service lines and 1.5-mm<sup>2</sup> outlet branch lines, phase and neutral conductors colored per TS EN 60445 and plastic-insulated, which shall be laid through peschel, bergman or PVC pipes. No price difference shall be charged for thicker walls. Unit: No additional charge shall apply unless the length of the branch exceeds 35 m. The part of the branch line exceeding 35 m shall be charged as a supply line per the Unit Price No. 35.140.2000. A single outlet shall be considered normal for the single switch outlet branch and chandelier outlet. Extra outlets connected to the aforementioned outlets shall be considered parallel. Two two-way switches and an outlet branch shall be considered a two-way outlet branch, and other outlet branches connected to it shall be considered parallel outlet branches. Deviator switches shall be paid separately per the relevant unit price. The first two of the outlet branches controlled by a dual switch outlet branch, which are at the same location, shall be considered commutator outlet branches, and the rest, parallel outlet branches. Where a breaker is used instead of a switch, the price of the switch shall be deducted, and also the price of the breaker shall be paid. A 3-phase outlet branch is similar to a single switch outlet branch where each fixture is supplied power by 3 phases and 4 or 5 conductors. Switch contactor and contactor controller lines of a 3-phase outlet shall be paid separately. Where each fixture is supplied through a different phase, the first outlet branch shall be charged as single-outlet regular, and other outlet branches connected thereto shall be charged as single-phase parallel outlet branch. Fixtures shall be paid separately per the unit price no. 35.170.0000.</p>		
35.160.1151	Single switch outlet branch with outlet line with earth wire.	73,00	38,80
35.160.1152	Dual switch outlet with outlet line with earth wire.	102,00	40,70
35.160.1153	Two-way switch outlet with outlet line with earth wire.	133,00	48,00
35.160.1154	Parallel outlet with outlet line with earth wire.	37,70	26,00
35.160.1155	Chandelier outlet branch with outlet line with earth wire.	83,50	40,70
35.160.1156	Parallel chandelier outlet branch with outlet line with earth wire.	41,00	26,00
35.160.1157	3-phase outlet with outlet line with earth wire.	78,00	40,70
35.160.1158	3-phase parallel outlet branch for the security line.	27,80	27,80
35.160.1180	<p><b>Impulse current switch controlled outlet branch: (Unit: Qty., Materials on construction site: 60%) (with materials certified for compliance with TS and CE)</b>                      Supply, transportation to the work site, and delivery in working order, including any material and labor, of the installation through a PVC pipe of an outlet line including light switches, junction boxes, terminal blocks and fixture blocks, with branch lines installed with conductors that are minimum 2.5 mm<sup>2</sup> in section and outlet lines with conductors that are minimum 1.5 mm<sup>2</sup> in section, which shall be controlled by a flush-mounted or surface-mounted impulse current switch. Unit: The number of light switches shall be taken, and parallel outlet branches, fixtures and impulse current breakers shall be paid separately per the relevant items.</p>	34,70	19,50
<b>35.160.1200</b>	<p><b>WATERPROOF LIGHTING OUTLET BRANCH (with safety line): (Materials on construction site: 60%)</b>                      Installation, including supply and transportation to the work site of any materials, and labor, of a complete waterproof outlet line (fixtures not included) with minimum 2.5-mm<sup>2</sup> branch lines and minimum 1.5-mm<sup>2</sup> outlet lines, using fully waterproof materials (junction boxes, terminal blocks, switches, etc.) as described below for service and outlet lines. Unit: As in Unit Price No. 35.160.1150.</p>		
<b>35.160.1210</b>	<p><b>The branch line shall be laid through a PVC pipe, and outlet lines shall be laid through a gas pipe with plastic-insulated conductors. (Unit: Qty.)</b></p>		



### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.160.1211	Single switch outlet branch	112,00	40,70
35.160.1212	Dual switch outlet branch	136,00	49,80
35.160.1213	Two-way outlet branch	191,00	55,00
35.160.1214	Parallel outlet branch	74,50	27,80
<b>35.160.1220</b>	<b>The branch line shall be laid through a PVC pipe with plastic-insulated conductors, and outlet lines shall be laid with a material of lead-free, antigron, (NVV), (NYM) type: (Unit: Qty.)</b>		
35.160.1221	Single switch outlet branch	81,50	31,50
35.160.1222	Dual switch outlet branch	105,00	40,70
35.160.1223	Two-way outlet branch	125,00	48,00
35.160.1224	Parallel outlet branch	35,90	26,00
<b>35.160.1230</b>	<b>Branch and outlet branch lines made of lead-free antigron: (Unit: Qty.)</b>		
35.160.1231	Single switch outlet branch	88,00	40,70
35.160.1232	Dual switch outlet branch	114,00	45,30
35.160.1233	Two-way outlet branch	147,00	49,80
35.160.1234	Parallel outlet branch	46,10	26,00
<b>35.160.1240</b>	<b>Branch and outlet branch lines shall be laid through a galvanized gas pipe with plastic-insulated conductors: (Unit: Qty.)</b>		
35.160.1241	Single switch outlet branch	139,00	48,00
35.160.1242	Dual switch outlet branch	179,00	62,00
35.160.1243	Two-way outlet branch	220,00	64,00
35.160.1244	Parallel outlet branch	74,50	27,80
35.160.1500	<b>Power socket outlet branch for the security line.</b> Supply, transportation to the work site, and installation of complete power socket outlet lines with security line, including any material and labor, of junction boxes, terminal blocks, power sockets within PVC pipes with branch and outlet lines minimum 2.5 mm <sup>2</sup> in section, phase, neutral and safety conductors for the sockets with phase, neutral and safety line colored per TS EN 60445 and plastic insulated. Unit: The part of the branch line exceeding 35 m shall be charged as a supply line per the Unit Price No. 35.140.5300.	87,00	34,30
<b>35.160.1600</b>	<b>WEATHER-PROOF POWER SOCKET OUTLET (with safety line): (Using materials with TS compliance certificate): (Unit: Qty.)</b> Installation of power sockets with external caps and safety lines, and installation of weather-proof power socket outlet lines with min. 2.5-mm <sup>2</sup> section using the fully weather-proof materials (junction boxes, terminal blocks, etc.) per the installation method of service and outlet lines given below, including the supply and transport to the work site of any material, and labor. Note: Conductors shall be color-coded as per TS EN 60445.		
35.160.1601	The branch line shall be laid through a PVC pipe, and outlet line conductors shall be laid as regular power socket outlet lines through a gas pipe with plastic-insulated conductors.	85,00	38,80
35.160.1602	The branch line shall be laid through a PVC pipe with plastic-insulated conductors, and outlet lines shall be laid as regular power socket outlet lines with a material of lead-free, antigron, (NVV), (NYM) type.	63,50	31,50
<b>35.160.1610</b>	<b>Branch and outlet branch lines made as regular power socket outlet lines of lead antigron.</b>		
35.160.1611	Branch and outlet branch lines made as regular power socket outlet lines of lead-free antigron.	90,50	31,50
35.160.1612	Branch and outlet branch lines shall be laid through galvanized gas pipes, and plastic-insulated conductors shall be laid as regular power socket outlet lines.	122,00	45,30
35.160.3000	<b>HALOGEN-FREE OUTLET BRANCHES:</b>		

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.160.3100</b>	<p><b>Lighting outlet line with halogen-free cable: (Unit: Qty. Materials on construction site: 60%)</b> Installation of surface-mounted or flush-mounted lighting outlet lines (not including the fixtures), including the labor, and supply and transportation to the work site, of junction boxes, terminal blocks, switches, fixtures, fixing blocks and any material, with minimum 2.5-mm<sup>2</sup> service lines and 1.5-mm<sup>2</sup> outlet lines, phase and neutral conductors colored per TS 6249 and plastic-insulated (HO7Z,O7Z1), which shall be laid through halogen-free, flame-retardant pipes. Compliance with the TS EN 60332-1-2, TS EN 60754-1/2 and TS EN 61034-2 standards is required. No price difference shall be charged for thicker walls. (Halogen-free, flame-retardant pipe outlets complying with the standards TS EN 61386-1 , IEC60754, awarded UL test certificates, VDE or applicable international certificates and bearing CE marking shall be included in the price) Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.160.3101	Single switch outlet branch	86,50	31,30
35.160.3102	Dual switch outlet branch	110,00	36,40
35.160.3103	Two-way Outlet Branch	137,00	39,10
35.160.3104	Parallel Outlet Branch	42,30	21,70
35.160.3105	Chandelier Outlet Branch	91,50	36,40
35.160.3106	Parallel Chandelier Outlet Branch	44,60	21,70
35.160.3107	3-phase Outlet Branch	91,50	36,40
35.160.3108	3-phase Parallel Outlet Branch	44,60	21,70
<b>35.160.3200</b>	<p><b>Lighting outlet line with halogen-free cable and safety line: (Unit: Qty. Materials on construction site: 60%)</b> (Halogen-free, flame-retardant, plastic isolated (HO7Z,O7Z1) pipe outlets with security lines, complying with the standards TS EN 60332-1-2, TS EN 60754-1/2 and TS EN 61034-2, and bearing CE marking shall be included in the price) Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Unit: No additional charge shall apply unless the length of the branch exceeds 35 m. The part of the branch line exceeding 35 m shall be charged as a supply line per the Unit Price No. 35.150.1000. The single switch outlet branch shall be considered the only outlet for normal and chandelier outlet branches. Additional outlet branches connected to those outlet branches shall be considered parallel. Two two-way switches and an outlet branch shall be considered a two-way outlet branch, and other outlet branches connected to it shall be considered parallel outlet branches. Deviator switches shall be paid separately per the relevant unit price. The first two of the outlet branches controlled by a commutator switch, which are at the same location, shall be considered dual switch outlet branches, and the rest, parallel outlet branches. Where a breaker is used instead of a switch, the price of the switch shall be deducted, and also the price of the breaker shall be paid. A 3-phase outlet branch is similar to a single switch outlet branch where each fixture is supplied power by 3 phases and 4 or 5 conductors. Switch contactor and contactor controller lines of a 3-phase outlet shall be paid separately. Where each fixture is supplied through a different phase, the first outlet branch shall be charged as single-outlet regular, and other outlet branches connected thereto shall be charged as single-phase parallel outlet branch. Fixtures shall be paid separately per the unit price no. 35.170.0000</p>		
35.160.3201	Single switch outlet branch	99,50	31,30
35.160.3202	Dual switch outlet branch	134,00	33,30

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.160.3203	Two-way Outlet Branch	181,00	39,10
35.160.3204	Parallel Outlet Branch	47,40	19,30
35.160.3205	Chandelier Outlet Branch	116,00	33,30
35.160.3206	Parallel Chandelier Outlet Branch	57,00	19,30
35.160.3207	3-phase Outlet Branch	108,00	33,30
35.160.3208	3-phase Parallel Outlet Branch	57,50	21,70
<b>35.160.3300</b>	<b>Waterproof lighting outlet branch (with safety line): (Materials on construction site: 60%)</b> Installation, including supply and transportation to the work site of any materials, and labor, of a complete Waterproof outlet line (fixtures not included) with minimum 2.5-mm <sup>2</sup> branch lines and minimum 1.5-mm <sup>2</sup> outlet branch lines, using fully Waterproof materials (junction boxes, terminal blocks, switches, etc.) as described below for service and outlet lines. Compliance with the IEC 60332 Part 3.1 Cat. C and TS EN 50267-1 norms is required. Unit: Similar to the Unit Price No. 35.160.3200.		
<b>35.160.3310</b>	<b>The branch line shall be laid through a PVC pipe, and outlet lines shall be laid through a pipe with plastic-insulated (HO7Z, O7Z1) conductors. (Unit: Qty)</b>		
35.160.3311	Single switch outlet branch	131,00	36,40
35.160.3312	Dual Switch Outlet Branch	165,00	41,20
35.160.3313	Two-way Outlet Branch	221,00	46,00
35.160.3314	Parallel Outlet Branch	78,00	21,70
<b>35.160.3320</b>	<b>The branch line shall be laid through a PVC pipe with plastic-insulated (HO7Z, O7Z1) conductors, and outlet lines shall be laid with a material of lead-free, antigron, (NHXMH) type: (Unit: Qty)</b>		
35.160.3321	Single switch outlet branch	117,00	27,50
35.160.3322	Dual Switch Outlet Branch	158,00	36,40
35.160.3323	Two-way Outlet Branch	177,00	39,10
35.160.3324	Parallel Outlet Branch	60,50	21,70
<b>35.160.3330</b>	<b>Branch and outlet branch lines made of lead-free antigron (NHXMH). (Unit: Qty)</b>		
35.160.3331	Single switch outlet branch	151,00	33,30
35.160.3332	Dual Switch Outlet Branch	193,00	39,10
35.160.3333	Two-way Outlet Branch	236,00	37,20
35.160.3334	Parallel Outlet Branch	64,50	19,70
<b>35.160.3340</b>	<b>Branch and outlet branch lines shall be laid through a galvanized gas pipe with plastic-insulated (HO7Z, O7Z1) conductors. (Unit: Qty)</b>		
35.160.3341	Single switch outlet branch	143,00	35,20
35.160.3342	Dual Switch Outlet Branch	182,00	46,00
35.160.3343	Two-way Outlet Branch	229,00	48,00
35.160.3344	Parallel Outlet Branch	71,00	19,70

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.160.3400</b>	<b>Power socket outlet line with halogen-free cables: (Unit: Qty. Materials on construction site: 60%)</b> Supply, transportation to the work site, and installation of complete power socket outlet lines, including any material and labor, of junction boxes, terminal blocks, power sockets within halogen-free, flame-retardant pipes with branch and outlet lines minimum 2.5 mm <sup>2</sup> in section, phase, neutral and safety conductors for the sockets with phase, neutral and safety line colored per TS EN 60445 and plastic insulated (HO7Z, O7Z1). (Halogen-free, flame-retardant pipe outlets complying with the standards TS EN 60332-1-2, TS EN 60754-1/2 and TS EN 61034-2, and bearing CE marking shall be included in the price) Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Unit: The part of the branch line exceeding 35 m shall be charged as a supply line per the Unit Price No. 35.150.1000.		
35.160.3401	Power socket outlet branch for the security line.	98,50	29,50
<b>35.160.3500</b>	<b>Weather-proof socket outlet (with security line): (Unit: Qty, Materials on construction site: 60%)</b> Installation of power sockets with external caps and safety lines, and installation of weather-proof power socket outlet lines using the fully weather-proof materials (junction boxes, terminal blocks, etc.) complying with the TS EN 60332-1-2, TS EN 60754-1/2 and TS EN 61034-2 standards as per the installation method of service and outlet lines given below, including the supply and transport to the work site of any material, and labor. Unit: Similar to the Unit Price No. 793-100. Note: Conductors are color-coded as per TS EN 60445. Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.		
35.160.3501	The branch line shall be laid through a PVC pipe, and outlet line conductors shall be laid as regular power socket outlet lines through a gas pipe with plastic-insulated (HO7Z, O7Z1) conductors.	96,00	28,50
35.160.3502	Regular power socket outlet line with the branch line installed with plastic-insulated (HO7Z, O7Z1) conductors laid through PVC pipes, and outlet lines made of lead-free, antigron, (NHXMH) materials.	89,00	23,60
35.160.3503	Branch and outlet branch lines made as regular power socket outlet lines of lead-free antigron (NHXMH).	133,00	23,60
35.160.3504	Branch and outlet branch lines shall be laid through galvanized gas pipes, and plastic-insulated (HO7Z,O7Z1) conductors shall be laid as regular power socket outlet lines (Unit: Qty.).	126,00	35,20
35.160.6000	<b>PIPES AND FITTINGS:</b>		
<b>35.160.6100</b>	<b>INSTALLATION OF HOLLOW PIPES: (Unit: m)</b> Supply, installation, including any material and labor, of PVC hollow pipes compliant with the TS EN 61386-1, TS EN 61386-21, TS EN 61386-22 standards, on the reinforced concrete ceilings and walls, and laying a guide wire in the pipe.		
35.160.6101	16-20 mm PVC pipe	2,70	1,90
35.160.6102	25-32 mm PVC pipe	3,55	1,90

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.160.6200</b>	<b>INSTALLATION OF HALOGEN-FREE FLAME-RETARDENT PIPES: (Unit: m)</b> Supply, installation, including any material and labor, of halogen-free (HF) and flame-retardant (FR) pipes compliant with the TS EN 61386-1, TS EN 61386-21, TS EN 61386-22 standards, on the reinforced concrete ceilings and walls, and laying a guide wire in the pipe.		
35.160.6201	16-20 mm PE HFFR pipe	2,80	1,90
35.160.6202	25-32 mm PE HFFR pipe	3,70	1,90
35.160.6203	40-50 mm PE HFFR pipe	5,65	1,90
35.160.6204	63-75 mm PE HFFR pipe	8,40	1,90
35.160.6300	<b>Hollow pipe installation outlet: (Unit: Qty.)</b> Supply and installation, including brackets, pipe clips, junction, switch and socket boxes, any material and labor, of 14 to 18-mm peschel, PVC bergman hollow pipes, special wooden pipe clips depending on the type of the fixtures, and laying a guide wire in the pipe. Unit: The number of hollow pipes for each fixture shall be taken. The hollow pipe outlet lines shall include service line pipes for both power socket outlet and lighting outlet lines. If a single service line is longer than 35 meters, installation of supply line hollow pipes shall be charged per unit price no. 35.160.6101.	18,40	13,10
35.160.6350	<b>INSTALLATION DECK PIPE CLIPS (unit: qty.)</b> Transportation to the work site, including any material and labor, of pipe clips with electrical pipe bearings with rotating heads and fixed heads in compliance with the regulation on internal installation, which shall save labor time, prevent crushing and dislocation of power pipes installed beneath the iron mesh, fracture of ceiling concrete caused by the iron, material losses, and connect the iron bearing and pipe to the iron for structures that are built with wooden and metal form work. In addition to the item described above.	0,85	0,40
<b>35.160.6500</b>	<b>Cable Protection Pipes (Unit: m.)</b> Supply and installation, including any material and labor, of polyethylene corrugated pipes resistant to minimum 450 N of external pressure, used as cable protection pipes in energy and telecommunication infrastructures, and in compliance with the standard TS EN 61386-24.		
35.160.6501	Ø50 mm PE corrugated pipe	3,30	1,15
35.160.6502	Ø75 mm PE corrugated pipe	3,95	1,15
35.160.6503	Ø90 mm PE corrugated pipe	5,10	1,50
35.160.6504	Ø110 mm PE corrugated pipe	5,70	1,50
<b>35.160.8000</b>	<b>Underground cable terminal box: (Unit: Qty, Materials on construction site: 60%)</b> Supply and installation, including the special insulator, greased tape, cable clips, and any other material and labor, of a terminal box for underground cables, which may be sealed with its special fuse that is certified for compliance with the Turkish Standards.		
35.160.8001	Up to 2 x 25 A	42,80	23,60
35.160.8002	Up to 3 x 25 A	45,70	24,50
35.160.8003	Up to 3 x 63 A	80,00	25,30
35.160.8004	Up to 3 x 100 A	91,50	28,00
35.160.8005	Up to 3 x 200 A	155,00	34,30
<b>35.160.8100</b>	<b>Underground cable caps: (Unit: Qty. Materials on construction site: 60%)</b> Supply and installation of underground cables, with special insulator, greased tape, cable clips, and any other material and labor.		

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.160.8101	Up to 4 x 10 mm <sup>2</sup>	51,00	26,20
35.160.8102	Up to 3 x 35 + 16 mm <sup>2</sup>	52,50	28,00
35.160.8103	Up to 3 x 70 + 35 mm	66,50	28,00
35.160.8104	Up to 3 x 120 + 70 mm <sup>2</sup>	70,50	28,00
35.160.8105	Up to 3 x 185 + 95 mm <sup>2</sup>	97,50	28,80
35.160.8106	Up to 3 x 240 + 120 mm <sup>2</sup>	105,00	28,80
<b>35.160.8200</b>	<b>Underground cable junction box: (Unit: Qty, Materials on construction site: 60%)</b> Supply, installation, and delivery in working order, including any material and labor, of cable junctions and special insulators for underground cables.		
35.160.8201	Up to 3 x 4 + 4 mm <sup>2</sup>	52,00	37,20
35.160.8202	Up to 3 x 16 + 10 mm <sup>2</sup>	52,00	37,20
35.160.8203	Up to 3 x 35 + 16 mm <sup>2</sup>	69,00	37,20
35.160.8204	Up to 3 x 70 + 35 mm	112,00	53,50
35.160.8205	Up to 3 x 120 + 70 mm <sup>2</sup>	134,00	53,50
35.160.8206	Up to 3 x 185 + 95 mm <sup>2</sup>	150,00	53,50
35.160.8207	Up to 3 x 240 + 120 mm <sup>2</sup>	194,00	53,50
<b>35.170.0000</b>	<b>LIGHTING FIXTURES:</b>		
<b>35.170.1000</b>	<b>LED FIXTURES:</b> Every LED fixture shall be equipped with an ENEC-certified driver with a PFC value of 0.95. LEDs must be IESNA LM-80 certified. The fixtures shall have a life cycle of minimum 50,000 (L70) hours per the TM-21 calculation table, the color rendering index (CRI) of the fixtures shall be minimum 80 and homogeneous light diffusion shall be available. The fixtures shall be in compliance with the standards TS EN 60598-1, TS 8698 EN 60598-2-1, TS EN 60598-2-2, and the fixture drivers shall be in compliance with the standards TS EN 61347-1 and TS EN 61347-2-13 and the 2014/35/EU Low Voltage Directive (LVD), and released with a CE compliance marking. The fixtures shall be accompanied by a photometric measurement report as per IESNA LM-79 standards by an accredited laboratory, and IP degree of protection shall be tested as per the TS 3033 EN 60529 standard and IK degree of protection shall be tested as per the TS EN 62262 standard. Also, the fixtures shall be manufactured in compliance with the Restriction of the Use of Certain Hazardous Substances Directive. Note: The luminous flux (lm) values specified in the LED fixture items are the output values of the fixtures, and the consumption power represents the total power drawn from the mains by a fixture.		
<b>35.170.1100</b>	<b>LED Ceiling Fixtures (Unit: Qty.)</b> Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimum IP 40 degree of protection, and with a body made of minimum 0.5-mm DKP sheet metal and frame made of minimum 0.7-mm-thick DKP sheet metal and an opal PMMA diffuser minimum 1-mm in thickness.		
35.170.1101	Surface-mounted LED ceiling fixtures sized minimum 30x30 (with minimum 1000 lm light flux, and maximum 12 w consumption).	169,00	5,10
35.170.1102	Flush-mounted LED ceiling fixtures sized minimum 30x30 (with minimum 1000 lm light flux, and maximum 12 w consumption).	142,00	5,10
35.170.1103	Surface-mounted LED ceiling fixtures sized minimum 30x60 (with minimum 1,500 lm light flux, and maximum 18 w consumption).	196,00	5,40
35.170.1104	Flush-mounted LED ceiling fixtures sized minimum 30x60 (with minimum 1,500 lm light flux, and maximum 18 w consumption).	178,00	5,40

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.170.1105	Surface-mounted LED ceiling fixtures sized minimum 60x60 (with minimum 3300 lm light flux, and maximum 36 w consumption).	246,00	6,10
35.170.1106	Flush-mounted LED ceiling fixtures sized minimum 60x60 (with minimum 3300 lm light flux, and maximum 36 w consumption).	211,00	6,10
35.170.1107	Surface-mounted LED ceiling fixtures sized minimum 30x120 (with minimum 3300 lm light flux, and maximum 36 w consumption).	291,00	6,10
35.170.1108	Flush-mounted LED ceiling fixtures sized minimum 30x120 (with minimum 3300 lm light flux, and maximum 36 w consumption).	268,00	6,10
<b>35.170.1200</b>	<b>LED Indirect Lighting Fixture (Unit: Qty.)</b> Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of IP 20 degree of protection, and with a body made of 0.5-mm, and reflector made of 0.7-mm DKP sheet metal and a diffuser made of sheet metal coated with opal acrylic film.		
35.170.1201	Minimum 2000 lm light flux, maximum 30 W consumption.	258,00	6,10
35.170.1202	Minimum 3000 lm light flux, maximum 50 W consumption.	307,00	6,10
<b>35.170.1300</b>	<b>LED Clean Room Ceiling Fixture (Unit: Qty.)</b> Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimum IP 65 degree of protection, and with a body 0.5-mm DKP sheet metal and a diffuser of tempered glass.		
35.170.1301	Surface-mounted LED ceiling fixtures sized minimum 60x60 (with minimum 3300 lm light flux, and maximum 36 w consumption).	455,00	7,80
35.170.1302	Flush-mounted LED ceiling fixtures sized minimum 60x60 (with minimum 3300 lm light flux, and maximum 36 w consumption).	392,00	7,80
35.170.1303	Surface-mounted LED ceiling fixtures sized minimum 30x120 (with minimum 3300 lm light flux, and maximum 36 w consumption).	456,00	7,80
35.170.1304	Flush-mounted LED ceiling fixtures sized minimum 30x120 (with minimum 3300 lm light flux, and maximum 36 w consumption).	423,00	7,80
<b>35.170.1500</b>	<b>LED Circular (Downlight) Fixtures: (Unit: Qty.)</b> Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimum IP 40 degree of protection, and with cast aluminum body and cooler and opal PMMA diffuser.		
35.170.1501	Flush-mounted, circular LED (downlight) fixtures (with minimum 800 lm light flux, maximum 12 W consumption).	93,00	7,00
35.170.1502	Flush-mounted, circular LED (downlight) fixtures (with minimum 1,700 lm light flux, maximum 24 W consumption).	137,00	7,00
35.170.1503	Surface-mounted, circular (downlight) fixtures (with minimum 800 lm light flux, maximum 12 W consumption).	143,00	7,00
35.170.1504	Surface-mounted, circular (downlight) fixtures (with minimum 1,700 lm light flux, maximum 24 W consumption).	167,00	7,00
<b>35.170.1600</b>	<b>LED Surface-Mounted Waterproof Fixtures (with polycarbonate body): (Unit: Qty.)</b> Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimum IP 65 degree of protection, and with polycarbonate body and opal polycarbonate cover.		
35.170.1601	Minimum 1800 lm light flux, maximum 20 W consumption.	162,00	8,20
35.170.1602	Minimum 2700 lm light flux, maximum 30 W consumption.	207,00	8,20
35.170.1603	Minimum 3600 lm light flux, maximum 40 W consumption.	242,00	9,20

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.170.1700</b>	<b>Surface-Mounted Waterproof LED Fixtures (with aluminum body): (Unit: Qty.)</b> Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimum IP 65 degree of protection, and with aluminum body and opal diffuser.		
35.170.1701	Minimum 1800 lm light flux, maximum 20 W consumption.	189,00	8,20
35.170.1702	Minimum 2700 lm light flux, maximum 30 W consumption.	217,00	8,20
35.170.1703	Minimum 3600 lm light flux, maximum 40 W consumption.	252,00	9,20
<b>35.170.1800</b>	<b>LED Globe Fixtures: (Unit: Qty.)</b> Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures with aluminum or sheet metal body and opal polycarbonate cover.		
35.170.1801	Minimum 1800 lm light flux, maximum 20 W consumption (minimum IP 40 degree of protection).	95,50	7,00
35.170.1802	Minimum 1800 lm light flux, maximum 20 W consumption (minimum IP 65 degree of protection).	207,00	7,00
<b>35.170.1900</b>	<b>LED High Ceiling Fixture (Unit: Qty.)</b> Supply to the work site, and delivery in working order, including any material, labor and installation, of fixtures of minimum IP 65 protection and IK 09 mechanical impact degree, and with a body made of aluminum or minimum 0.7-mm-thick DKP sheet metal and a diffuser of tempered glass.		
35.170.1901	Minimum 10,000 lm light flux, maximum 120 W consumption.	726,00	14,00
35.170.1902	Minimum 15000 lm light flux, maximum 160 W consumption.	862,00	14,00
35.170.3000	<b>Price difference of LED lighting fixtures in compliance with the DALI protocol: (Unit: Qty.)</b> Price difference of LED fixtures with DALI-compliant drivers for use in lighting automation systems.	119,00	
35.170.3050	<b>Price difference of emergency lighting kits for LED lighting fixtures: (Unit: Qty.)</b> Supply to the work site, and delivery in working order, including any material and labor, of emergency light kits installed on the fixtures to ensure that they remain in operation in emergency, which shall provide the emergency light intensity value specified in the relevant project design up to three hours, comprise an extreme temperature type Ni-cd battery, a charging unit and a status LED, comply with the standards TS EN 61347-2-7, TS EN 60598-2-22, and which shall be released with a CE compliance marking.	174,00	
35.170.3100	<b>Price difference of LED lighting fixtures with sensors: (Unit: Qty.)</b> Price difference of the LED lighting fixture with motion sensor.	88,50	



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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.170.4000</b>	<p><b>LED Projectors (Unit: Qty.)</b>  Supply to the work site, and delivery in working order, including any material and labor, of projectors with body and front glass frame made of injected cast aluminum, which shall be coated with oven-dried paint, equipped a tempered front glass, resistant to 250°C temperature and impacts, certified with minimum IP 65 and IK 09 degree of protection, operable at -20°C to +85°C, provided with the components necessary for installation (on ceiling, wall or floor), and released with the CE compliance marking in compliance as per the standard TS EN 60598-2-5 and the 2014/35/EU Low Voltage Directive (LVD). Note: To be equipped with an ENEC-certified driver with a PFC value of 0.95. LEDs must be IESNA LM-80 certified. They shall have a life cycle of minimum 50,000 (L70) hours per the TM-21 calculation table, the color rendering index (CRI) of the fixtures shall be minimum 65.  The projectors shall be awarded a photometric measurement report as per IESNA LM-79 standards by an accredited laboratory, and IP degree of protection shall be tested as per the TS 3033 EN 60529 standard and IK degree of protection shall be tested as per the TS EN 62262 standard.</p>		
35.170.4001	Minimum 2500 lm light flux, maximum 30 W consumption.	338,00	10,90
35.170.4002	Minimum 5100 lm light flux, maximum 60 W consumption.	396,00	10,90
35.170.4003	Minimum 6800 lm light flux, maximum 80 W consumption.	743,00	10,90
35.170.4004	Minimum 8500 lm light flux, maximum 100 W consumption.	813,00	10,90
35.170.4005	Minimum 12,750 lm light flux, maximum 150 W consumption.	1.060,00	10,90
35.170.4006	Minimum 17,000 lm light flux, maximum 200 W consumption.	1.310,00	10,90
<b>35.170.5100</b>	<p><b>Fixtures with Motion Sensors: (Unit: Qty.)</b>  The fixture base shall be made of aluminum or sheet metal, equipped a opal glass diffuser, comply with IP 20 degree of protection. The internal installation shall be fireproof silicon cables. A glossy aluminum reflector shall be installed to reflect the heat and light that forms at the back of the light bulb. The detection field at the bottom of the fixture body shall be adjustable by vertical movements. The duration of activity and daylight settings shall be adjustable by the trimmers on the sensor. It shall be manufactured in compliance with the Restriction of the Use of Certain Hazardous Substances Directive, the 2014/35/EU Low Voltage Directive (LVD), and the standards TS EN 60598-1, TS 8698 EN 60598-2-1 and TS EN 60669-2-1, and released with CE compliance marking. Supply, transportation to the work site, establishment of connections and settings, and delivery in working order, including any material and labor, of surface-mounted wall-type fixtures with digital optic detection sensor, E27 light socket, 40W glow-filament light bulbs, which shall be capable of detecting a 180° field in front of the fixture for wall-type fixtures and, and a 360° field around the fixture for ceiling-type fixtures.</p>		
35.170.5101	Single-light socket with minimum IP 40 degree of protection (wall type with 180° Motion Sensor)	70,50	7,00
35.170.5102	Twin-light socket with minimum IP 40 degree of protection (ceiling type with 360° Motion Sensor)	88,00	7,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.170.5200</b>	<p><b>Motion Sensors: (Unit: Qty.)</b> Supply, transportation to the work site, establishment of the connections and settings, and delivery in working order, including any material and labor, of wall-type, flush-mounted motion sensors of IP 44 degree of protection, in compliance with the Restriction of the Use of Certain Hazardous Substances Directive, the 2014/35/EU Low Voltage Directive (LVD), TS EN 60669-2-1 standards and released with a CE compliance marking, which shall operate in 220 to 240-volt mains voltage, a temperature range of -20°C to +40°C, allow connection of loads up to 400 Watts for fluorescent lamps and up to 1000 Watts for glow-filament lamps as well as adjustment of activity period and daylight by means of trimmers. Wall-type motion sensors shall be equipped with a digital optical detector and have a detection range of 180°, and ceiling-type motion sensors shall have a detection range of 360°.</p>		
35.170.5201	180° wall-type, surface-mounted motion sensor	61,00	7,00
35.170.5202	360° ceiling-type, surface-mounted motion sensor	61,00	7,00
35.170.5203	360° ceiling-type, flush-mounted motion sensor	71,50	7,00
<b>35.170.7000</b>	<p><b>FLUORESCENT FIXTURES: (Unit: Qty.)</b> All fluorescent fixtures shall be manufactured to comply with the Restriction of the Use of Certain Hazardous Substances Directive, the 2014/35/EU Low Voltage Directive (LVD), and the standards TS EN 60598-1, TS 8698 EN 60598-2-1, TS EN 61347-1, TS EN 61347-2-3:2011 (flush-mounted ones shall also comply with the TS EN 60598-2-2 standard), and released with CE compliance marking. Also, all fluorescent fixtures shall be with electronic ballast.</p>		
<b>35.170.7100</b>	<p><b>DECORATIVE SUSPENDED CEILING FIXTURES (for Rock Wool and Plaster Suspended Ceiling) (Flush- and surface-mounted)</b> Supply to the work site, including any material and labor, of fluorescent bulbs, fireproof, locked-type sockets, and halogen-free connection cables with electronic ballast along with fixtures coated with a special oven-dried paint of a color to be approved by the administration and of the IP 20 degree of protection (Fixture efficiency shall be minimum 70%. The administration may request by the manufacturer to have the efficiency values tested and certified by the laboratory of a relevant organization where necessary), with special DKP sheet metal profile minimum 0.5-mm in thickness; 9 to 11-cm hole in width and length to fit the type and number of the bulbs; back side strengthened with additional folds; cases featuring special air vents; special frames; installation tabs that allows easy intervention and installation; double parabolic, anodized pure aluminum reflectors extending in parallel and perpendicular to fluorescent bulbs which diffuse light symmetrically in the form of a bat wing; anodized pure aluminum reflectors, which shall be made of anodized high-purity (99.9%) anodized aluminum (with anodized aluminum fin strips placed at 6 to 10-cm intervals perpendicular to the fluorescent bulbs for single parabolic reflectors).</p>		
35.170.7101	ATY2 - 4 x 18 (with double parabolic glossy reflectors)	151,00	6,10
35.170.7102	ATY4 - 4 x 18 W (with matte or clear prismatic plexiglass)	141,00	6,10
35.170.7103	ATY8 - 2 x 18 W (with double parabolic reflectors)	104,00	6,10

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.170.7200</b>	<p><b>Fluorescent fixture Type T1:</b> Supply, transportation to the work site, establishment of connections and settings, and delivery in working order, including any material and labor, of surface-mounted fixtures of special iron sheet profile minimum 0.50-mm-in thickness, with 10 to 15 cm in depth, and the width and length depending on the type and number of light bulbs, 3 to 4-mm in thickness, min 75% light transmittance, polycarbonate cover, sheet metal or aluminum frame, electronic ballast and connection cables, including lockable light sockets.</p>		
35.170.7201	T1 - 1 x 20-Watt Fixture	51,50	8,20
35.170.7202	T1 - 2 x 20-Watt Fixture	61,00	9,20
35.170.7203	T1 - 1 x 40-Watt Fixture	62,00	8,20
35.170.7204	T1 - 2 x 40-Watt Fixture	87,50	9,20
<b>35.170.7300</b>	<p><b>Waterproof fluorescent fixture Type U:</b> Supply to the work site and installation in the designated location, establishment of the connections and settings, and delivery in working order, including any material and labor, of waterproof fixtures including a fixture coated in electrostatic powder paint with minimum IP 65 degree of protection, fluorescent bulb, electronic ballast, light socket compliant with TS EN 60400 standard, with a clear polycarbonate cover, minimum 8-cm depth, width and length fitting the type and number of the bulb, which shall be sealed, hinged, can be opened, and tightened with thumb screws.</p>		
35.170.7301	U - 1 x 20-Watt Fixture	62,50	8,20
35.170.7302	U - 2 x 20-Watt Fixture (Double ballast)	82,00	9,20
35.170.7303	U - 1 x 40-Watt Fixture	78,00	8,20
35.170.7304	U - 2 x 40-Watt Fixture	104,00	9,20
<b>35.170.7400</b>	<p><b>Clean Room Fixtures (unit: qty.)</b> Supply to the work site, and delivery, including any material and labor, of lighting fixtures, including halogen-free connection cables, with similar specifications as the item 35.170.7100 with the addition of a clear, opal or prismatic acrylic lens or tempered glass, single or double parabolic aluminum reflectors, electronic ballast, stainless steel bolts on the IP 65 degree of protection external frame, sheet metal components phosphate bathed and coated with epoxy polyester paint, internal connections made with halogen-free cables, which shall offer ease of maintenance with the lens or glass suspended on the body, and all parts of which shall be earthed.</p>		
35.170.7401	ATH-2 x 18 w	265,00	7,80
35.170.7402	ATH-4 x 18 w	398,00	7,80
35.170.7403	ATH-2 x 36 w	382,00	7,80
<b>35.170.7500</b>	<p><b>PROJECTORS WITH HALOGEN BULBS: (Unit: Qty.) (in compliance with the standards TS 8702 EN 60598-2-5 and TS EN 60598-2-5)</b> The body of the component and the frame of the front glass shall be made of injected aluminum and coated in oven-dried paint; the reflector shall be made of anodized pure aluminum plates; and the front glass shall be tempered and built to resist minimum 250 C or thermal shocks and impulses. The component shall be protected against dust and rain (IP 54), the part between the glass and the body shall be protected against extreme heat with silicon seal. The connection box that is installed under the body of the projector shall be heat-resistant injected plastic. Installation shall be included. Note: The bulb is included in the price.</p>		

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.170.7501	HPR- 300 W (R 7s with Double Socket)	43,10	12,00
35.170.7502	HPR- 500 W (R 7s with Double Socket)	43,10	12,00
35.170.7503	HPR- 750 W (R 7s with Double Socket)	122,00	12,00
35.170.7600	<b>HPR-1000 W (R 7s with Double Socket)</b> Type SBPR High-Pressure Sodium Vapor Lamp Projectors. Identical with 35.170.7500 except that a tubular sodium vapor lamp and an E40/45 Goliath light socket is used (the bulb capacitor, ballast and starter are included in the price.) The post shall be paid separately if necessary.	122,00	12,00
35.170.7601	SBPR- 150 W with Symmetrical reflector	395,00	12,00
35.170.7602	SBPR- 250 W with Symmetrical reflector	480,00	12,00
35.170.7603	SBPR- 400 W with Symmetrical reflector	567,00	12,00
35.170.7604	SBPR- 1000 W with Symmetrical reflector	1.100,00	12,00
35.170.7700	<b>SBPR - 1000 W with Asymmetrical reflector</b> Type MHPR Metal Halide Lamp Projectors: Identical with 35.170.7500 except that a tubular metal halide lamp and an E 40 Goliath light socket are used (the bulb capacitor, ballast and starter are included in the price) The post shall be paid separately if necessary.	1.430,00	12,00
35.170.7701	MHPR- 250 W with Symmetrical reflector	502,00	12,00
35.170.7702	MHPR- 400 W with Symmetrical reflector	518,00	12,00
35.170.7703	MHPR- 1000 W with Symmetrical reflector	1.100,00	12,00
35.170.7704	MHPR- 1000 W with Asymmetrical reflector	1.260,00	12,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.180.0000</b>	<p><b>UNINTERRUPTIBLE POWER SUPPLY (UPS): (Unit: Qty., Materials on construction site: 60%)</b>                      Compliance is required with the Regulation 2014/35/AB on Electrical Equipment Designed for Use Within Certain Voltage Limit, the Regulation 2004/108/AT on Electromagnetic Compatibility, and the Regulation on Amendment of Energy Market Customer Services published in the Official Gazette No. 26558 dated June 20, 2007. Transportation to the work site, installation (not including the cables) and delivery in working order of on-line uninterruptible power supplies in compliance with the standards of TS EN 62040-1/2/3, with a power factor of 0.9, input power factor &gt; 0.99, and EMI/RFI filtering for all devices, the specifications provided in the relevant technical specifications document, input tolerance values of 380 V AC (3-phase) or 220 V AC (single-phase) ±15% and 50 Hz ±5% and an input harmonic distortion of &lt; 8%, equipped with a static (semiconductor) by-pass switch that switches the load to the grid or the auxiliary resource in the event of overload / short circuit / output voltage running out of limits / rectifier failure / extreme temperatures / inverter failure, a built-in mechanical by-pass switch, a dry-type, maintenance-free battery pack sufficient to run the system on full load for the required period, an LCD or graphic display panel, and a backlit mimic diagram displaying the system status on the front panel, which shall supply the required power uninterruptedly for 24 hours, have a load crest factor of 3:1, fulfill output values of 380 V AC (3-phase) or 220 V AC (single-phase) ±1% and 50 Hz ±1% as well as total harmonic distortion of &lt; 2% on linear load and &lt; 5% on non-linear load, supply the load while charging fully discharged batteries, keep fully charged batteries at buffer charge, display the values such as current / voltage / frequency / load status / battery on the front panel, perform the inversion by IGBT using PWM (Pulse Width Modulation) to generate an ideal sine wave, and allow connection of a remote monitoring panel as well as an SNMP module.                      NOTE:                      1- Power per cell of the batteries proposed to the Administration shall be calculated as follows: (Device power (VA) x Output CosQ (0.9)) / Inverter efficiency (0.95) / Number of batteries / Number of cells (6)= ... Watt/cell. Unit price per cell for calculation of batteries voltage shall be considered 1.70 V/cell. The calculation result and the batteries proposed shall be marked in the catalog and submitted to the administration. The batteries used shall be maintenance-free and TSE-certified.</p>		
<b>35.180.1100</b>	<b>Uninterruptible Power Supply with one-phase input and one-phase output (Unit: Qty., Materials on construction site: 60%)</b>		
35.180.1101	6 kVA, and minimum 10 minutes of battery supply time	5.820,00	723,00
35.180.1102	6 kVA, and minimum 20 minutes of battery supply time	7.080,00	723,00
35.180.1103	10 kVA, and minimum 10 minutes of battery supply time	6.810,00	723,00
35.180.1104	10 kVA, and minimum 20 minutes of battery supply time	8.010,00	723,00
35.180.1105	15 kVA, and minimum 10 minutes of battery supply time	11.660,00	723,00
35.180.1106	15 kVA, and minimum 20 minutes of battery supply time	12.350,00	723,00
<b>35.180.1200</b>	<b>Uninterruptible Power Supply with one-phase input and 3-phase output (Unit: Qty., Materials on construction site: 60%)</b>		
35.180.1201	10 kVA, and minimum 10 minutes of battery supply time	6.960,00	1.020,00
35.180.1202	10 kVA, and minimum 20 minutes of battery supply time	8.150,00	1.020,00
35.180.1203	15 kVA, and minimum 10 minutes of battery supply time	12.130,00	1.020,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.180.1204	15 kVA, and minimum 20 minutes of battery supply time	13.900,00	1.020,00
35.180.1205	20 kVA, and minimum 10 minutes of battery supply time	12.920,00	1.020,00
35.180.1206	20 kVA, and minimum 20 minutes of battery supply time	17.150,00	1.020,00
35.180.1207	40 kVA, and minimum 10 minutes of battery supply time	26.290,00	1.060,00
35.180.1208	40 kVA, and minimum 20 minutes of battery supply time	30.100,00	1.020,00
<b>35.180.1300</b>	<b>Uninterruptible Power Supply with 3-phase input and 3-phase output (Unit: Qty., Materials on construction site: 60%)</b>		
35.180.1301	10 kVA, and minimum 10 minutes of battery supply time	15.320,00	1.060,00
35.180.1302	10 kVA, and minimum 20 minutes of battery supply time	16.380,00	1.060,00
35.180.1303	15 kVA, and minimum 10 minutes of battery supply time	16.020,00	1.060,00
35.180.1304	15 kVA, and minimum 20 minutes of battery supply time	18.210,00	1.060,00
35.180.1305	20 kVA, and minimum 10 minutes of battery supply time	17.630,00	1.060,00
35.180.1306	20 kVA, and minimum 20 minutes of battery supply time	23.080,00	1.060,00
35.180.1307	30 kVA, and minimum 10 minutes of battery supply time	22.960,00	1.060,00
35.180.1308	30 kVA, and minimum 20 minutes of battery supply time	27.220,00	1.060,00
35.180.1309	40 kVA, and minimum 10 minutes of battery supply time	29.290,00	1.060,00
35.180.1310	40 kVA, and minimum 20 minutes of battery supply time	34.500,00	1.060,00
35.180.1311	60 kVA, and minimum 10 minutes of battery supply time	37.070,00	1.180,00
35.180.1312	60 kVA, and minimum 20 minutes of battery supply time	38.560,00	1.180,00
35.180.1313	80 kVA, and minimum 10 minutes of battery supply time	45.390,00	1.180,00
35.180.1314	80 kVA, and minimum 20 minutes of battery supply time	55.010,00	1.180,00
35.180.1315	100 kVA, and minimum 10 minutes of battery supply time	57.000,00	1.350,00
35.180.1316	100 kVA, and minimum 20 minutes of battery supply time	68.430,00	1.350,00
35.180.1317	120 kVA, and minimum 10 minutes of battery supply time	71.710,00	1.350,00
35.180.1318	120 kVA, and minimum 20 minutes of battery supply time	75.020,00	1.350,00
35.180.1319	160 kVA, and minimum 5 minutes of battery supply time	83.820,00	1.350,00
35.180.1320	160 kVA, and minimum 10 minutes of battery supply time	95.210,00	1.350,00
35.180.1321	160 kVA, and minimum 15 minutes of battery supply time	99.470,00	1.350,00
35.180.1322	160 kVA, and minimum 20 minutes of battery supply time	115.700,00	1.350,00
35.180.1323	200 kVA, and minimum 5 minutes of battery supply time	98.940,00	1.350,00
35.180.1324	200 kVA, and minimum 10 minutes of battery supply time	106.500,00	1.350,00
35.180.1325	200 kVA, and minimum 15 minutes of battery supply time	122.200,00	1.350,00
35.180.1326	200 kVA, and minimum 20 minutes of battery supply time	129.300,00	1.350,00
35.180.1327	250 kVA, and minimum 5 minutes of battery supply time	118.000,00	1.350,00
35.180.1328	250 kVA, and minimum 10 minutes of battery supply time	138.500,00	1.350,00
35.180.1329	250 kVA, and minimum 15 minutes of battery supply time	145.100,00	1.350,00
35.180.1330	250 kVA, and minimum 20 minutes of battery supply time	162.300,00	1.350,00
35.180.1331	300 kVA, and minimum 5 minutes of battery supply time	130.400,00	1.350,00
35.180.1332	300 kVA, and minimum 10 minutes of battery supply time	161.600,00	1.350,00
35.180.1333	300 kVA, and minimum 15 minutes of battery supply time	170.300,00	1.350,00
35.180.1334	300 kVA, and minimum 20 minutes of battery supply time	180.300,00	1.350,00
35.180.1335	400 kVA, and minimum 10 minutes of battery supply time	163.900,00	1.380,00
35.180.1336	400 kVA, and minimum 20 minutes of battery supply time	188.600,00	1.380,00
35.180.1337	500 kVA, and minimum 10 minutes of battery supply time	166.200,00	1.380,00
35.180.1338	500 kVA, and minimum 20 minutes of battery supply time	195.700,00	1.380,00
35.180.1339	600 kVA, and minimum 10 minutes of battery supply time	169.500,00	1.380,00
35.180.1340	600 kVA, and minimum 20 minutes of battery supply time	202.600,00	1.380,00

**High Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
<b>35.180.1400</b>	<b>Mechanical by-pass (including the external enclosure): (Unit: Qty., Materials on construction site: 60%)</b>		
35.180.1401	For 10 kVA UPS	919,00	599,00
35.180.1402	For 15 kVA UPS	975,00	599,00
35.180.1403	For 20 kVA UPS	1.040,00	599,00
35.180.1404	For 30 kVA UPS	1.160,00	599,00
35.180.1405	For 40 kVA UPS	1.480,00	599,00
35.180.1406	For 40 kVA UPS	1.490,00	603,00
35.180.1407	For 60 kVA UPS	1.700,00	658,00
35.180.1408	For 80 kVA UPS	2.130,00	658,00
35.180.1409	For 100 kVA UPS	2.730,00	763,00
35.180.1410	For 120 kVA UPS	2.810,00	763,00
35.180.1411	For 160 kVA UPS	6.240,00	763,00
35.180.1412	For 200 kVA UPS	7.110,00	763,00
35.180.1413	For 250 kVA UPS	7.970,00	763,00
35.180.1414	For 300 kVA UPS	9.270,00	763,00
<b>35.180.1500</b>	<b>Paralleling kit: (Unit: Qty., Materials on construction site: 60%)</b>		
35.180.1501	For 10 kVA UPS	2.690,00	906,00
35.180.1502	For 15 kVA UPS	2.700,00	906,00
35.180.1503	For 20 kVA UPS	2.710,00	916,00
35.180.1504	For 30 kVA UPS	2.750,00	926,00
35.180.1505	For 40 kVA UPS	2.790,00	935,00
35.180.1506	For 60 kVA UPS	2.850,00	956,00
35.180.1507	For 80 kVA UPS	2.920,00	987,00
35.180.1508	For 100 kVA UPS	2.990,00	1.010,00
35.180.1509	For 120 kVA UPS	3.080,00	1.030,00
35.180.1510	For 160 kVA UPS	3.160,00	1.060,00
35.180.1511	For 200 kVA UPS	3.220,00	1.100,00
35.180.1512	For 250 kVA UPS	3.320,00	1.120,00
35.180.1513	For 300 kVA UPS	3.410,00	1.160,00
35.180.1514	For 400 kVA UPS	3.570,00	1.160,00
35.180.1515	For 500 kVA UPS	3.660,00	1.160,00
35.180.1516	For 600 kVA UPS	3.720,00	1.160,00
35.180.1600	<p><b>Uninterruptible power supply remote monitoring panel: (Unit: Qty., Materials on construction site: 60%)</b>                      Transportation to the work site, installation (except cables) and delivery in working order of remote monitoring panels with specifications given in the relevant technical specifications, an LCD or graphic display panel, and an easy-to-understand illuminated mimic diagram indicating the system status, which shall display the values including current, voltage, frequency, load status, battery status, battery charge and discharge current precisely in on its front panel.</p>	639,00	68,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.180.1601	<p><b>SNMP software and adapter: (Unit: Qty., Materials on construction site: 60%)</b>                      Transportation to the work site, installation (except the cables) and delivery in working order of SNMP adapters and software which allow monitoring of the functions of all SNMP-compliant electronic devices at any distance, include the equipment and software required for this, display output power, input power, location and functions of the UPS, battery charge status, supply time and UPS temperature information, record mains power outages, recovery of mains power, frequencies, alarms, turning off and technical failure information with date and time, display graphic representations of such values as input voltage, frequency based on historical data, and which are capable of operating on TCP/IP-based network infrastructure, and automatically sending messages or emails to an address or group of addresses in case of an alarm or failure, and issuing signals in different colors in case of regular warnings and failures.</p>	1.570,00	303,00
35.180.2100	<p><b>Modular Uninterruptible Power Supply (UPS) (Unit: Qty.)</b>                      The modular uninterruptible power supply shall be made up of maximum 50-kVA hot-swappable (allowing replacement without causing an interruption in the load) modules. The UPS shall be 3-phase, suitable for continuous operation, solid-state, non-transformer, two-cycle, VFI (voltage- and frequency-independent). The UPS shall be capable of containing a sufficient amount of power modules for required power or redundancy. Each module shall load equally and simultaneously to share the critical load. The UPS shall incorporate minimum two hot-swappable modules to process the full load, and it shall be installed in a cabinet to ensure system integrity. If any of the power modules fails, the failing module should be capable of fully isolating itself automatically from the system. Replacement of modules shall not interrupt the system and can be performed while the critical load is shared on-line by other module(s). The UPS shall record shifts of grid and its reactions to such shifts. The records shall include date, time and the subject. Transportation to the work site, installation (not including the cables) and delivery in working order, including the batteries and cabinets, of modular uninterruptible power supplies with input tolerance values of 380 V AC (3-phase) <math>\pm 20\%</math> and 50 Hz <math>\pm 10\%</math>, a minimum output power factor of 0.9 and a minimum efficiency value of 0.95, an input current harmonic distortion of <math>&lt; 3\%</math> and a load crest factor of 3:1, complying with the standards TS EN 62040-1, TS EN 62040-2, the Regulation 2014/35/AB on Electrical Equipment Designed for Use Within Certain Voltage Limit, the Regulation 2004/108/AT on Electromagnetic Compatibility, and the Regulation on Amendment of Energy Market Customer Services published in the Official Gazette No. 26558 dated June 20, 2007 and bearing a CE compliance marking, equipped with an IGBT rectifier, a static (semiconductor) by-pass switch that switches the load to the grid or the auxiliary resource in the event of overload / short circuit / output voltage running out of limits / rectifier failure / extreme temperatures / inverter failure, a built-in mechanical by-pass switch, a dry-type, maintenance-free battery pack sufficient to run the system on full load for the required period in case of a power outage, a flexible DC busbar to ensure continuity of operation, an LCD or graphic display panel, display the values such as current / voltage / frequency / load status / battery precisely on the front panel, which shall supply the required power uninterruptedly for 24 hours, fulfill the output values of 380 V AC (3-phase) <math>\pm 1\%</math> and 50 Hz <math>\pm 0.1\%</math> as well as total harmonic distortion of <math>&lt; 2\%</math> on linear load and <math>&lt; 5\%</math> on non-linear load for the total output voltage, supply the load while charging fully discharged batteries, keep fully charged batteries at buffer charge, perform the inversion by IGBT using PWM (Pulse Width Modulation) to generate an ideal sine wave, and allow the connection of a network card for remote monitoring. NOTE: 1- The battery pack used with the uninterruptible power supply shall be fully maintenance-free, dry and TSE-certified. Power per cell of the batteries proposed to the Administration shall be calculated as follows: <math>(\text{Device power (VA)} \times \text{Output CosQ (0.9)}) / \text{Inverter efficiency (0.95)} / \text{Number of batteries} / \text{Number of cells (6)} = \dots \text{Watt/cell}</math>. For the calculation of the batteries, voltage per cell shall be considered 1.70 V/cell. The calculation result and proposed batteries shall be marked on the catalog and submitted to the administration. 2- Prices of the intermediate values of power shall be determined by interpolation.</p>		
35.180.2101	40 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity	44.790,00	982,00



### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.180.2102	60 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity	61.670,00	1.100,00
35.180.2103	80 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity	81.740,00	1.100,00
35.180.2104	100 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity	99.510,00	1.250,00
35.180.2105	120 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity	114.500,00	1.250,00
35.180.2106	140 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity	149.000,00	1.250,00
35.180.2107	160 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity	159.000,00	1.250,00
35.180.2108	180 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity	166.500,00	1.250,00
35.180.2109	200 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity	183.200,00	1.250,00
35.180.2110	300 kVA, and minimum 10 minutes of battery supply time, minimum 50% power increase capacity	256.600,00	1.250,00
35.180.2111	400 kVA, and minimum 10 minutes of battery supply time, minimum 25% power increase capacity	307.700,00	1.250,00
35.180.2112	500 kVA, and minimum 10 minutes of battery supply time	338.400,00	1.250,00
35.180.2200	40 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity	53.550,00	982,00
35.180.2201	60 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity	67.730,00	1.100,00
35.180.2202	80 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity	96.300,00	1.100,00
35.180.2203	100 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity	120.000,00	1.250,00
35.180.2204	120 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity	134.400,00	1.250,00
35.180.2205	140 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity	161.700,00	1.250,00
35.180.2206	160 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity	185.100,00	1.250,00
35.180.2207	180 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity	186.600,00	1.250,00
35.180.2208	200 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity	215.700,00	1.250,00
35.180.2209	300 kVA, and minimum 20 minutes of battery supply time, minimum 50% power increase capacity	282.200,00	1.250,00
35.180.2210	400 kVA, and minimum 20 minutes of battery supply time, minimum 25% power increase capacity	338.400,00	1.250,00
35.180.2211	500 kVA, and minimum 20 minutes of battery supply time.	372.200,00	1.250,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.180.3000</b>	<p><b>PROTECTION AND SAFETY INSULATION POWER SYSTEM (Unit: Qty., Materials on construction site: 60%)</b>  Supply to the work site, installation in its designated location and delivery in working order, of insulation power panels fulfilling the standards TS HD 60364-7-710 and IEC 61558-2-215 with residual current of the output coil to the earth or enclosure smaller than 0.5 mA when supplied with a transformer power with a nominal output of 3.15 kVA, 4 kVA, 5kVA, 6.3 kVA, 8 kVA, or 10 kVA as well as rated voltage and nominal frequency, and with maximum 100 kohm internal impedance and maximum 24 V test current, which shall be manufactured with a metering current below 50 µA, a communication protocol and alarm display panel, and equipped with a medical insulation transformer that is capable of issuing insulation error, transformer overheat and overload errors and with an insulation monitoring device that is capable of issuing insulation errors, transformer overheat and overload errors with a toroidal current transformer, and shall also be equipped with a signal lamp that is lit green during normal operation, amber when the minimum value set for insulation resistance is reached, audible alarms, an alarm panel that can communicate with the insulation monitoring device, and 20 x two-pole automated controllers to be chosen specifically for the project, and which return to normal operation once the error is cleared.</p>		
35.180.3001	3.15 kVA insulation power enclosure	14.320,00	1.320,00
35.180.3002	4 kVA insulation power enclosure	14.690,00	1.320,00
35.180.3003	5 kVA insulation power enclosure	15.330,00	1.590,00
35.180.3004	6.13 kVA insulation power enclosure	15.850,00	1.590,00
35.180.3005	8 kVA insulation power enclosure	16.210,00	1.590,00
35.180.3006	10 kVA insulation power enclosure	16.860,00	2.120,00
<b>35.185.0000</b>	<p><b>PARTS OF THE INSTALLATION TO BE MADE SEPARATELY: (Materials on construction site: 60%)</b></p>		
35.185.1100	<p><b>SWITCHES: (Unit: Qty.)</b> Supply, transportation to the work site, and installation, including its casing, any small material and labor, of regular switches compliant with TS EN 60669-1 with contacts and threaded connection terminals resistant to at least 250 V and 6 A, and fireproof housing and cover.</p>		
35.185.1101	Flush-mounted regular switch	7,05	2,30
35.185.1102	Flush-mounted commutator switch	7,75	2,30
35.185.1103	Flush-mounted two-way switch	7,25	2,30
35.185.1104	Flush-mounted deviator switch	7,70	2,30
35.185.1110	Surface-mounted regular switch	7,25	2,30
35.185.1111	Surface-mounted commutator switch	7,90	2,30
35.185.1112	Surface-mounted two-way switch	7,45	2,30
35.185.1113	Surface-mounted deviator switch	7,90	2,30
35.185.1120	Weather-proof regular switch	9,95	2,30
35.185.1121	Weather-proof commutator switch	10,70	2,30
35.185.1122	Weather-proof two-way switch	10,90	2,30
35.185.1123	Weather-proof deviator switch	10,70	2,30
35.185.1200	<p><b>POWER SOCKETS: (Unit: Qty.)</b> Supply and installation, including its casing, any small material and labor, of regular power sockets in compliance with the TS 40, with contacts that can be connected to the security line, and threaded connection terminals resistant to 250 V and 10 A, and fireproof housing.</p>		
35.185.1201	Flush-mounted earthed socket	8,10	2,30
35.185.1202	Surface-mounted earthed socket	8,30	2,30

**High Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.185.1203	<b>Weather-Proof Power Socket</b> Fully weather-proof power socket with injected aluminum housing, porcelain base, brass contacts, cover and earthing, and with conductor inlets equipped with rubber seal tips, which shall be resistant to moisture and weather conditions, and awarded at least a certificate of compliance with Turkish Standards.	10,60	2,30
35.185.1250	<b>Flush-mounted junction box: (Unit: Qty.)</b> Supply, transportation to the work site, and delivery, including any material and labor, of conductors to be flush mounted and extended with attachment that can resist up to 250 V, and junction boxes with ring (torus) terminal blocks, which shall be made of minimum 0.35-mm sheet metal or PVC housing and covers in compliance with TS-3066.	2,55	1,80
35.185.1251	<b>Surface-mounted junction box: (Unit: Qty.)</b> Surface-mounted junction box identical with the Unit Price No. 35.185.1250 except that it shall be made of PVC or fireproof material in compliance with TS 3112.	2,30	1,80
35.185.1252	<b>Waterproof junction box: (Unit: Qty.)</b> Supply, transportation to the work site, and installation in its designated location, including any material and labor, of weather-proof junction boxes with cable inlets equipped with rubber seal tips, which shall be identical with the Unit Price No. 35.185.1250 except that the switches and the materials used shall be resistant to moisture and weather conditions, and fulfill the standard TS EN 61386-1 or above.	6,10	1,90
35.185.1260	Supply to the work site and installation of regular start-stop buttons. (Unit: Qty.)	16,30	1,85
35.185.1261	Supply to the work site and installation of waterproof start-stop buttons (Unit: Qty.)	19,20	1,85
<b>35.185.1700</b>	<b>Emergency Stop Button (Unit: Qty.)</b> Supply, transportation to the work site, installation, establishment of connections and delivery in working order of plastic emergency mushroom buttons Ø40 or Ø60 mm in diameter with exposed and covered dry contacts and special adhesive that is not affected by heat and moisture, and designed for emergency stop, emergency start, emergency inactivation, and emergency activation, which shall break the system's power and switch it to the safe mode, not re-activate the system unless the button is rotated, restore to the original position when the head of the button is rotated manually, in compliance with the standards TS EN 60947-5-1, TS EN 60947-5-5/A1 and TS EN ISO 13850, manufactured with the laser inscription technique against deletion and fading, bearing a designation of "Acil Durdurma" or "Emergency Stop" in black on a yellow background, a circular warning sign 60, 75 or 90 mm in diameter and a CE compliance marking, and in compliance with the 2014/35/EU Low Voltage Directive (LVD).		
35.185.1701	2 poles (1 NA + 1 NK contacts), Ø40-mm mushroom head	22,30	8,95
35.185.1702	2 poles (1 NA + 1 NK contacts), Ø60-mm mushroom head	27,50	8,95

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.185.1750</b>	<b>Emergency Stop Button Box (Unit: Qty.)</b> Supply, transportation to the work site, installation and establishment of connections, and delivery in working order, including any material and labor, of weather-proof, fireproof, flame-retardant and halogen-free casings made up of two parts - yellow top, black or gray bottom - with stainless steel cover screws, factory-drilled cable holes and sealed PVC sleeves matching the cable diameter on the body, for installation of the emergency stop button on a wall, which shall be in compliance with TS EN 60670-1, IP 65 degree of protection and CE certified.		
35.185.1751	Single button casing	29,60	8,95
<b>35.185.1800</b>	<b>THREE-PHASE PLUGS, SOCKETS AND INSTALLATION: (Unit: Qty., Materials on construction site: 60%) (TS-40).</b>		
<b>35.185.1810</b>	<b>Supply and installation in designated locations, including any material and labor, of 3-phase bakelite power sockets and plugs with covers and earth contacts. (TS-40).</b>		
35.185.1811	Up to 3 x 25 A	9,05	3,80
35.185.1812	Max. 3 x 60 A	12,10	3,80
<b>35.190.0000</b>	<b>CABLE CARRIAGE SYSTEMS</b>		
35.190.1100	<b>Cable Tray Systems: (Unit: kg) Materials on construction site: 60%)</b> Bending and drilling holes on the sheet metal with sufficient width and height to carry the cable load, designed in compliance with the standard TS EN 61537, dimensions specified in the approved electricity project, the general technical specifications for electricity, and the standard TS EN 10130/10131, making grooves on the tray to lay transversal and longitudinal strings on the (reinforced) tray to enhance the strength and prevent further bending of the sheet metal, subjecting the tray to a chemical bath to remove grease and rust, flux coating and pre-drying the tray, then hot dip galvanizing the tray in compliance with the standard TS EN ISO 1461, transportation to the work site, installation on the ceiling or walls with suspenders or consoles, and delivery in working order, including any material and labor, of the tray. NOTE: 1- Only the weight of the tray shall be considered for measuring. 2- The attachment parts to be used for horizontal and vertical deflection, reducers, the consoles to be used as carriers, ceiling pendants, suspension elements, fixing clips, screws, nuts, washers, pins, etc. shall also be hot dip galvanized. The prices of such items shall be included in the unit price and not charged additionally. 3- The manufacturer of hot tip galvanization shall be required to present a certificate of compliance with the conditions of TS EN ISO 1461.	14,40	2,30
35.190.1101	<b>Cable Tray Systems, Sheet Metal Covers: (Unit: kg)</b> Delivery of sheet metal covers as per the item 35.190.1100 to cover the ducts specified in the approved project design, including labor and any material.	9,20	0,90
35.190.1102	<b>Cable Ladders: (Unit: Kg)</b> Delivery of cable ladders as per the item 35.190.1100 as specified in the approved project design, including labor and any material.	9,90	1,50

**High Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.190.1200	<p><b>Under-floor (Under-screed) Cable Ducts (Unit: kg)</b>                      Cutting and bending minimum 1.5-mm-thick, "pre-galvanized" sheet metal in compliance with TS EN 10143 to turn it into a sealed channel in the dimensions mentioned below, creating compartments by modifying the form of the channel, transportation to the work site, installation in the flooring material by adjusting the channel and junction box heights by set screws, placement of junction boxes at necessary locations, laying guide wires in the channel (applying "Rabitz wire" on the channel in case of an insufficient thickness of screed on the channel), in compliance with the standards TS EN 50085-1 and TS EN 50085-2-2, dimensions specified in the approved electrical installation project design, and the general specifications of the electrical installation for safe installation of power cables beneath the floor, and delivery including labor and any material. NOTE: 1- The attachment parts to be used for horizontal and vertical deflection, four-point attachment parts, level adjustment unit, cable duct junctions with outlets in four directions, duct termination units, cable duct outlet boxes, anchors, screws, nuts, washers etc. shall also be hot-dip galvanized. The cable duct junction and multi-socket box shall be charged separately based on the relevant unit prices. 2- If rabitz wires are used on the cable duct, they shall be charged separately based on the relevant unit price.</p>	9,50	1,90
35.190.1201	<p><b>Underfloor Cable Duct Junction Box (Unit: Qty.)</b>                      Supply, transportation to the work site, and delivery in working order, including labor and installation, of cable duct junction boxes with the side surfaces on four sides available for drilling to install the cable duct; minimum 2-mm in thickness bottom, top frame and lockable top cover for use as a distribution junction; stoppers to prevent the duct from penetrating into the junction box; outlets on four sides; decorative appearance; a mechanism that allows height adjustment before and after the screed; and barriers of different types within the junction box to prevent the contact between different types of cables, which shall be used at deflection points of the floor duct or where a power outlet or any other outlet is required, made of pre-galvanized steel sheet as per TS EN 10143, and comply with the standards TS EN 50085-1 and TS EN 50085-2-2 as well as the dimensions and general technical specifications provided in the approved electricity project design.</p>	39,70	1,90

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.190.1202	Under-Screed or Elevated Floor Multi-Socket Box (Unit: Qty.) Supply, transportation to the work site, installation, and delivery in working order, including any material and labor, of flame-retardant, halogen-free socket housings with special ducts fitting the junction for installation; interfaces with the floor or junction box sized minimum 235 x 235 mm; the periphery of the housing reinforced with galvanized steel sheet minimum 3-mm thickness; iron hinge pin, a lockable cover with embedded handle, which can be installed in both directions; the top surface of the cover allowing decorative coating (designed to be flush with the floor when coated); openings covered with rubber caps to allow extension of plug cables; special inclined slots placed opposite to each other to allow installation of 8 sockets of 45 x 45 modules and 16 sockets of 22.5 x 45 modules; and a mechanism to allow adjustment to the level of the floor, which shall be in compliance with the standards TS EN 50085-1 and TS EN 50085-2-2, the dimensions given in approved electricity project design and the general specifications of the electrical installation. Note: The sockets shall be charged based on the relevant items.	39,70	1,90
<b>35.190.1300</b>	<b>PVC Cable Ducts (Unit: m)</b> Supply, transportation to the work site, installation in its designated location, establishment of the connections, and delivery, including internal corners, external corners, brackets, terminals, T-brackets and frames, of flame-retardant in compliance with TS EN 60695-2-11 standard, RAL 9010 white (with internal locking and foil coating for the ducts sized 100 mm and above), self-extinguishing PVC (UL 94 V0 M1) ducts resistant to mechanical impacts, atmospheric and UV rays, and 260 kW/cm dielectric current, operable in an ambient temperature range of -25 C to +60 C, designed for safe carriage of high and low current conductors within the building, equipped with hinged and movable internal corner, external corners and brackets, and horizontal and vertical installation holes at the bottom to facilitate wall installation, which shall comply with the standards TS EN 50085-1, TS EN 50085-2-1, bear IP 40 degree of protection, was released with CE marking, and comply with the Restriction of the Use of Certain Hazardous Substances (RoHS) Directive.		
35.190.1301	Min. 20 x 12 mm (single cell)	7,95	2,45
35.190.1302	Min. 40 x 16 mm (double cell)	11,40	2,45
35.190.1303	Min. 80 x 20 mm (triple cell)	17,10	2,45
35.190.1304	Min. 100 x 35 mm (triple cell)	20,10	3,20
35.190.1305	Min. 100 x 50 mm (triple cell)	25,30	3,80
<b>35.190.1350</b>	<b>Floor-mounted (herringbone) PVC cable ducts (Unit: m)</b> Identical with Unit Price No. 35.190.1300, with 3 or 4 cells, gray or white;		
35.190.1351	Min. 50 x 12 mm	4,20	2,35
35.190.1352	Min. 60 x 15 mm	6,20	2,45
35.190.1353	Min. 75 x 20 mm	7,10	2,45
35.190.1354	Min. 90 x 20 mm	9,00	2,45

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.190.1400</b>	<b>Halogen-Free Plastic Cable Ducts (Unit: m)</b> Supply, transportation to the work site, installation in its designated location, establishment of the connections, and delivery, including internal corners, external corners, brackets, terminals, T-brackets and frames, of flame-retardant, halogen-free, RAL 9010 white (with internal locking and foil coating for the ducts sized 100 mm and above), UL 94 V0 M1 plastic ducts resistant to mechanical impacts, atmospheric and UV rays, and 260 kW/cm dielectric current, operable in an ambient temperature range of -25 C to +60 C, used for carriage of high and low current conductors within the building, equipped with hinged and movable internal corner, external corners and brackets, and horizontal and vertical installation holes at the bottom to facilitate wall installation, which shall comply with the standards TS EN 50085-1, TS EN 50085-2-1 and TS EN60695-2-11, bear IP 40 degree of protection and CE marking, and comply with the Restriction of the Use of Certain Hazardous Substances (RoHS) Directive.		
35.190.1401	Min. 100 x 50 mm (triple cell)	86,50	3,80
<b>35.190.1700</b>	<b>Cable Duct Sockets (Unit: Qty.)</b> Supply, transportation to the work site, installation, and delivery in working order, including any material and labor, of sockets made of flame-retardant (UL94 V0) material (clamping or sliding type) in compliance with the standard TS IEC 60884-1+A1+A2 for earthed mains and UPS sockets, with regular or 45°-inclined holes, child safety covers, IP 20 degree of protection, transparent label covers above the sockets, RJ-45 data sockets with spring covers, RJ-11 or RJ-12 telephone sockets with spring covers, which shall allow connection among the sockets by attachment busbars, and support both T568A and T568B connection types (Prices of the socket installation sets and frames are included in the unit price).		
35.190.1702	Earthed UPS socket (red) 16 A. - 250 V. (45 x 45 mm)	11,30	2,00
35.190.1701	Earthed socket 16 A. - 250 V. (45 x 45 mm)	10,30	2,00
35.190.1703	RJ-11 or RJ-12 telephone sockets (6 contacts) (22.5 x 45 mm)	12,60	2,00
35.190.1704	CAT 5e or CAT 6e RJ-45 data sockets (8 contacts) (22.5 x 45 mm)	16,30	2,00
<b>35.195.0000</b>	<b>ELECTRICAL MOTORS: (Unit: Qty., Materials on construction site: 70%)</b> Shall be in compliance with the standards TS EN 50347, TS EN 60034-1/8/9/11/14, TS EN 60038, TS EN 60085, Directive (2006/42/EC) Machinery, the 2014/35/EU Low Voltage Directive (LVD) and the "Communique (SGM-2012/2) on the requirements of environmentally-friendly design for Electrical Motors", and bear a CE compliance marking.		
<b>35.195.1100</b>	<b>3-phase 3,000 rpm: (Unit: Qty.)</b> Supply to the work site, installation, and delivery in working order, of enclosed electrical motors with three phases, short circuit cage, 3000 rpm synchronous speed and two-pole, 220/380-volt, asynchronous motor certified for compliance with the Turkish Standards. (The compensation capacitor required to be installed shall be charged separately.)		
35.195.1101	Up to 0.18 kW	184,00	36,90

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.195.1102	Up to 0.25 kW	191,00	36,90
35.195.1103	Up to 0.37 kW	204,00	36,90
35.195.1104	Up to 0.55 kW	219,00	36,90
35.195.1105	Up to 0.75 kW	247,00	45,30
35.195.1106	Up to 1.1 kW	266,00	45,30
35.195.1107	Up to 1.5 kW	288,00	49,80
35.195.1108	Up to 2.2 kW	334,00	49,80
35.195.1109	Up to 3 kW	424,00	59,50
35.195.1110	Up to 4 kW	569,00	59,50
35.195.1111	Up to 5.5 kW	795,00	66,00
35.195.1112	Up to 7.5 kW	886,00	66,00
35.195.1113	Up to 11 kW	1.240,00	71,50
35.195.1114	Up to 15 kW	1.460,00	79,50
35.195.1115	Up to 18.5 kW	1.700,00	89,00
35.195.1116	Up to 22 kW	2.210,00	101,00
35.195.1117	Up to 30 kW	2.970,00	117,00
35.195.1118	Up to 37 kW	3.340,00	131,00
35.195.1119	Up to 45 kW	4.710,00	143,00
35.195.1120	Up to 55 kW	6.110,00	183,00
35.195.1121	Up to 75 kW	7.470,00	183,00
35.195.1122	Up to 100 kW	11.160,00	219,00
<b>35.195.1200</b>	<b>3-PHASE 1,500 rpm: (Unit: Qty.)</b> Supply to the work site, installation, and delivery in working order, of enclosed rotors with three phases, short circuit cage, 1,500 rpm synchronous speed and two pairs of poles, 220/380-volt, asynchronous motor certified for compliance with the Turkish Standards.		
35.195.1201	Up to 0.12 kW	167,00	36,90
35.195.1202	Up to 0.18 kW	184,00	36,90
35.195.1203	Up to 0.25 kW	194,00	36,90
35.195.1204	Up to 0.37 kW	204,00	36,90
35.195.1205	Up to 0.55 kW	221,00	36,90
35.195.1206	Up to 0.75 kW	266,00	45,30
35.195.1207	Up to 1.1 kW	301,00	45,30
35.195.1208	Up to 1.5 kW	343,00	49,80
35.195.1209	Up to 2.2 kW	416,00	49,80
35.195.1210	Up to 3 kW	497,00	59,50
35.195.1211	Up to 4 kW	625,00	59,50
35.195.1212	Up to 5.5 kW	814,00	66,00
35.195.1213	Up to 7.5 kW	976,00	66,00
35.195.1214	Up to 11 kW	1.370,00	71,50
35.195.1215	Up to 15 kW	1.660,00	79,50
35.195.1216	Up to 18.5 kW	1.920,00	89,00
35.195.1217	Up to 22 kW	2.300,00	101,00
35.195.1218	Up to 30 kW	3.140,00	117,00
35.195.1219	Up to 37 kW	3.880,00	131,00
35.195.1220	Up to 45 kW	4.350,00	143,00
35.195.1221	Up to 55 kW	4.930,00	183,00



### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.195.1222	Up to 75 kW	6.580,00	183,00
35.195.1223	Up to 100 kW	10.240,00	219,00
<b>35.195.1300</b>	<b>THREE-PHASE 1000 rpm: (Unit: Qty.)</b> Supply to the work site, installation, and delivery in working order, of enclosed rotors with three phases, short circuit cage, 1000 rpm synchronous speed and three pairs of poles, 220/380-volt, asynchronous motor certified for compliance with the Turkish Standards.		
35.195.1301	Up to 0.18 kW	197,00	31,50
35.195.1302	Up to 0.25 kW	213,00	31,50
35.195.1303	Up to 0.37 kW	255,00	36,90
35.195.1304	Up to 0.55 kW	276,00	36,90
35.195.1305	Up to 0.75 kW	329,00	45,30
35.195.1306	Up to 1.1 kW	384,00	45,30
35.195.1307	Up to 1.5 kW	488,00	49,80
35.195.1308	Up to 2.2 kW	617,00	49,80
35.195.1309	Up to 3 kW	798,00	59,50
35.195.1310	Up to 4 kW	880,00	59,50
35.195.1311	Up to 5.5 kW	976,00	66,00
35.195.1312	Up to 7.5 kW	1.360,00	66,00
35.195.1313	Up to 11 kW	1.630,00	71,50
35.195.1314	Up to 15 kW	2.290,00	79,50
35.195.1315	Up to 18.5 kW	2.850,00	89,00
35.195.1316	Up to 22 kW	3.410,00	101,00
35.195.1317	Up to 30 kW	4.320,00	117,00
35.195.1318	Up to 37 kW	5.330,00	117,00
35.195.1319	Up to 45 kW	6.880,00	140,00
35.195.1320	Up to 55 kW	8.390,00	183,00
<b>35.200.0000</b>	<b>PHOTOVOLTAIC SOLAR POWER SYSTEMS</b>		

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.200.1000</b>	<p><b>Photovoltaic Panels: (Unit: Qty.)</b> Photovoltaic panels shall be of the number and energy capacity provided in the relevant project design in 1000 W/m<sup>2</sup> radiation, AM 1.5 air mass and 25°C cell temperature conditions (in standard test conditions). The instantaneous power output tolerance of solar panels shall be maximum +3%. The panels shall be equipped with by-pass diodes against power drops caused by shading. Panels shall be protected to prevent passage of current when no power is generated. The panels shall have a minimum system voltage of 1000 V and a maximum short inverse current protection of 15 A. Panel frames shall be pressed and also punched. A drainage hole, earthing hole and installation holes shall be available on the frame. Installation shall be made without bolts. The frame shall be corrosion-resistant and rust-free. The frame shall be designed to allow installation without drilling, etc. The glass/plastic covering the solar panels shall not reflect the sun rays. The glass shall be tempered per the standard EN 12150 and offer 91% permeability. The strength of the glass estimated per EN 12150 shall be 90 N/mm<sup>2</sup>. The solar panels and fittings shall be resistant to minimum 130 km/h or 2400 Pascal wind speed and snow load (minimum 5400 Pascal). The terminal boxes of panels shall be of minimum IP 65 protection class. The back side of the panels shall comply with TS EN 61730-1 and allow installation of the panels at the relevant area. (+) and (-) terminals of the DC output cables and connectors of the panels shall be distinguishable. Cells used in the panels shall be laminated in both directions with ethylene-vinyl acetate (EVA) that complies with the standard TS EN 61215. The panels shall be capable of operating at -40 C to +85 C, at the elevation of the designated location of installation, and under a relative humidity of 0 to 85%, and compliance of the panels with the said conditions shall be guaranteed in written by the manufacturer. The photovoltaic panels shall be guaranteed for 10 (ten) years for product and physical strength, and 25 (twenty-five) years for linear energy. The linear energy warranty shall ensure minimum 90% of the panel power in 10 (ten) years and minimum 80% of the panel power in 25 (twenty-five) years. Above each panel shall be a product label affixed by the manufacturer, which at least contains the Manufacturer's name, PV Cell Type, Serial No, Nominal Power, Pmax, Voc, Isc, Dimensions and Max. System Voltage, Date of Production, and Country of Origin. Product labels shall be affixed beneath the glass, at the back of the product or on the edge of the frame in an indelible form. The contractor should submit to the Administration the flash test and EL (electroluminescence) test reports of the proposed panels in digital media before the installation of the panels on site. The faults or critical cracks in panel cells, if any, shall be identified by the test reports, and those panels which are not approved shall not be used on site. The installation shall not commence before the said test reports are delivered. If the installation site is located by the sea, the result of the salt water corrosion strength with minimum magnitude of 3 per TS EN 61701 shall be submitted to the Administration. If the installation site is located close to a farm, the result of the ammonia corrosion test per TS EN 62716 shall be submitted to the Administration. Those panels which fail to fulfill the standards required by the environmental conditions shall not be used in the system. The maximum period between the dates of production and transportation to the site of the panels to be used in the system shall be 3 (three) months. Supply, transportation to the work site and delivery in working order, including the connectors, any material and installation, of photovoltaic panels manufactured in compliance with the standards TS EN 61215, TS EN 61730-1 and TS EN 61730-2 and released with a CE marking. Note: The items 111-100, 111-200 or 111-300 shall be used for panel carrier systems.</p>		
<b>35.200.1100</b>	<b>Photovoltaic Panels with minimum 60 cells:</b>		
35.200.1101	Photovoltaic panel with minimum 270 Wp output power.	689,00	9,50
35.200.1102	Photovoltaic panel with minimum 275 Wp output power.	708,00	9,50
35.200.1103	Photovoltaic panel with minimum 280 Wp output power.	731,00	9,50
35.200.1104	Photovoltaic panel with minimum 285 Wp output power.	751,00	9,50
35.200.1105	Photovoltaic panel with minimum 290 Wp output power.	772,00	9,50

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.200.1106	Photovoltaic panel with minimum 295 Wp output power.	811,00	9,50
35.200.1107	Photovoltaic panel with minimum 300 Wp output power.	827,00	9,50
35.200.1108	Photovoltaic panel with minimum 305 Wp output power.	849,00	9,50
35.200.1109	Photovoltaic panel with minimum 310 Wp output power.	872,00	9,50
35.200.1110	Photovoltaic panel with minimum 315 Wp output power.	889,00	9,50
35.200.1111	Photovoltaic panel with minimum 320 Wp output power.	906,00	9,50
<b>35.200.1200</b>	<b>Photovoltaic Panels with minimum 72 cells:</b>		
35.200.1201	Photovoltaic panel with minimum 320 Wp output power.	835,00	11,40
35.200.1202	Photovoltaic panel with minimum 325 Wp output power.	860,00	11,40
35.200.1203	Photovoltaic panel with minimum 330 Wp output power.	882,00	11,40
35.200.1204	Photovoltaic panel with minimum 335 Wp output power.	899,00	11,40
35.200.1205	Photovoltaic panel with minimum 340 Wp output power.	921,00	11,40
35.200.1206	Photovoltaic panel with minimum 345 Wp output power.	943,00	11,40
35.200.1207	Photovoltaic panel with minimum 350 Wp output power.	966,00	11,40
35.200.1208	Photovoltaic panel with minimum 355 Wp output power.	988,00	11,40
35.200.1209	Photovoltaic panel with minimum 360 Wp output power.	1.020,00	11,40
35.200.1210	Photovoltaic panel with minimum 365 Wp output power.	1.040,00	11,40
35.200.1211	Photovoltaic panel with minimum 370 Wp output power.	1.060,00	11,40
35.200.1212	Photovoltaic panel with minimum 375 Wp output power.	1.080,00	11,40
<b>35.200.5000</b>	<p><b>Solar Inverter: (Unit: Qty.)</b> Maximum input voltage shall be minimum 1000 VDC. For 15 kW and above, the inverters shall have at least 98% maximum efficiency and 97% Euro efficiency. For below 15 kW, the maximum efficiency shall be min. 97%, and the Euro efficiency shall be min. 96%. The inverters shall be equipped with a RS485 communication port. THD (Total Harmonic Distortion) of the inverters shall be &lt; %3. The environmental protection of the inverters shall be minimum IP 65. The operating temperature range shall be -25 C to +60 C. The grid operating frequency range shall be 47 to 52 Hz. The grid operating voltage range (phase-neutral) shall be 190 to 270 V. The ambient relative humidity shall be up to 95%. The inverters shall be equipped with a "residual current monitoring unit" sensitive to all terminals. The inverters shall have an integrated web server, and the following data shall be accessible free of charge both on the Internet (remote monitoring system) and on the inverter throughout the life cycle of the system. Instantaneous power generation (overall and separate for each panel group), energy generated per day, the energy generated since installation, panel voltage, grid voltage. The system shall not require any payment throughout its life cycle for remote monitoring after the installation. The contractor shall obtain from the manufacturer a written commitment that the latter shall not charge any monitoring fee throughout the life cycle of the system. The Protection Rate I as per TS EN 62477-1 standards and Protection Class III per TS EN 60664 High Voltage Category shall be provided and each MPPT shall be protected by a surge arrester. The inverters in compliance with the standards TS EN 62109-1, TS EN 62109-2, TS EN 61727, TS EN 61000-6-2, and TS EN 61000-6-3 and released with CE marking shall be delivered with the connection accessories, any material and installation. Note: The surge arrester is not included in the price.</p>		
35.200.5001	Min. 3 kW solar inverter (Max. 2 mppts)	5.580,00	253,00
35.200.5002	Min. 5 kW solar inverter (Max. 2 mppts)	7.010,00	253,00

### High Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.200.5003	Min. 7 kW solar inverter (Max. 2 mppts)	9.520,00	253,00
35.200.5004	Min. 10 kW solar inverter (Max. 2 mppts)	10.290,00	317,00
35.200.5005	Min. 15 kW solar inverter (Max. 2 mppts)	13.240,00	317,00
35.200.5006	Min. 20 kW solar inverter (Max. 2 mppts)	15.090,00	317,00
35.200.5007	Min. 25 kW solar inverter (Max. 2 mppts)	16.160,00	317,00
35.200.5008	Min. 30 kW solar inverter (Max. 2 mppts)	17.330,00	317,00
35.200.5009	Min. 35 kW solar inverter (Max. 2 mppts)	19.100,00	380,00
35.200.5010	Min. 40 kW solar inverter (Max. 2 mppts)	20.130,00	380,00
35.200.5011	Min. 50 kW solar inverter (Max. 2 mppts)	23.020,00	380,00
35.200.5012	Min. 60 kW solar inverter (Max. 2 mppts)	26.800,00	380,00
35.200.5013	Min. 40 kW solar inverter (3 or more mppts)	21.320,00	380,00
35.200.5014	Min. 50 kW solar inverter (3 or more mppts)	24.380,00	380,00
35.200.5015	Min. 60 kW solar inverter (3 or more mppts)	28.390,00	380,00
35.200.5016	Min. 100 kW solar inverter (3 or more mppts)	34.280,00	399,00
<b>35.200.7000</b>	<b>H1Z2Z2-K Solar Cable (Unit: m):</b> Delivery in working order, including any material and labor, of solar cables manufactured as per TS EN 50618.		
35.200.7001	1.5 mm <sup>2</sup> solar cable	3,55	1,65
35.200.7002	2.5 mm <sup>2</sup> solar cable	4,20	1,65
35.200.7003	4-mm <sup>2</sup> solar cable	5,20	1,65
35.200.7004	6-mm <sup>2</sup> solar cable	7,05	2,50
35.200.7005	10-mm <sup>2</sup> solar cable	9,65	2,50
35.200.7006	16-mm <sup>2</sup> solar cable	13,30	2,50
35.200.7007	25 mm <sup>2</sup> solar cable	19,00	2,50
35.200.7008	35 mm <sup>2</sup> solar cable	27,30	4,05
35.200.7009	50-mm <sup>2</sup> solar cable	37,10	4,05
35.200.7010	70-mm <sup>2</sup> solar cable	49,60	4,05
35.200.7011	95 mm <sup>2</sup> solar cable	64,00	4,05
35.200.7012	120-mm <sup>2</sup> solar cable	81,50	4,05
35.200.7013	150-mm <sup>2</sup> solar cable	102,00	4,05
35.200.7014	185 mm <sup>2</sup> solar cable	119,00	4,05
35.200.7015	240-mm <sup>2</sup> solar cable	164,00	4,05
35.200.7016	300-mm <sup>2</sup> solar cable	199,00	4,05



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**LOW CURRENT INTERIOR WIRING  
UNIT PRICES AND DEFINITIONS**

**2019**

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.400.0000	<b>HOSPITAL CALL SYSTEM</b>		
35.400.1000	<p><b>HOSPITAL CALL SYSTEM (IP SYSTEM):</b>                      It is a communication and automation system that governs and integrates the Hospital Call Systems, the Nurse Call System, the Code Blue System, the Code Pink System, the Code White System, and the Consultant Call System. The system's central server communicates with room control units through a TCP/IP socket connection in the hospital's existing network. It has passed immunity and propagation tests to meet TS EN 60601-1-2 standard. It has also underwent TS EN 60950-1 standard tests. It complies with the Directive (2014/35/EU) Electrical Equipment Designed for Use within Certain Voltage Limits and the Directive (2004/108/EC) Electromagnetic Compatibility.</p>		
35.400.1001	<p><b>Nurse Call Panel: (Unit: Qty.)</b>                      Supply, transportation to the work site, installation, making electrical connections, and delivery in working order of a desktop or wall-mounted panel with at least 15" LCD monitor, at least 1 GB system memory, at least 160 GB hard disk, a Turkish operating system and 10/100 MB LAN features. The panel can rank calls in the service according to call type and level of emergency, and inform the nurses about the calls in the rooms.</p>	5.980,00	24,00
35.400.1002	<p><b>Room Control Panel: (Unit: Qty.)</b>                      Supply, installation, making electrical connections and delivery in working order of the panel that supplies power to and regulates voltage level in bedside call units, Toilet-Bathroom call units and over door lights. It can be built-in or surface-mounted that cannot be disassembled. It communicates with the Nurse Call Panel and Hospital Call Server via Ethernet network. It can scan smart cards, has at least 4.3" LCD touch-screen monitor, and 220 VAC or 12-24 VDC power supply. It can contain at least 50 records until the Hospital Call Server confirms that it received the calls and measurement information. It can scan Personnel Smart Cards. It can supply power to and regulate voltage level in at least two bedside call units and at least one Toilet-Bathroom call unit. It can connect with other devices in the room via an RS485 system or CAN bus.</p>	1.080,00	24,00
35.400.1003	<p><b>Bedside Call Unit: (Unit: Qty.)</b>                      Supply, transportation to the work site, installation, making electrical connections and delivery in working order of an edge-lit, aesthetic and durable call unit that can be mounted to the bedside console, communicates with the room control panel via in-room communication network, can easily be connected to or disconnected from Patient Handset Call Units, as it has a single connector, can connect to the Room Control Panel via an RS485 system or CAN bus, has a call button to call the nurse, is made of high-quality flame-resistant material.</p>	149,00	24,00

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.400.1004	<b>Patient Handset Call Unit: (Unit: Qty.)</b> Supply, transportation to the work site, installation, making electrical connections and delivery in working order of a call unit that is ergonomic for the hand, can be connected to the bedside unit via a separate spiral RJ45 cable and has a call button to call the nurse.	137,00	24,00
35.400.1005	<b>Patient Toilet-Bathroom Call Unit: (Unit: Qty.)</b> Supply, transportation to the work site, installation, making electrical connections of the call unit which can be surface- or flush-mounted. It communicates with the Room Control Panel via in-room communication network. It can connect to the Room Control Panel via an RS485 system or CAN bus. It can make emergency calls if the rope under the panel is pulled.	149,00	24,00
35.400.1006	<b>Over Door Light: (Unit: Qty.)</b> Supply, transportation to the work site, installation, making electrical connections and delivery in working order of a noticeable LED over door light that utilizes red, green and blue colors.	131,00	24,00
35.400.1007	<b>Hospital Server: (Unit: Qty.)</b> Supply, transportation to the work site, installation and making electrical connections of the Hospital Server that has at least 1.6 GHz dual core CPU, at least 2 GB system memory, at least 160 GB HDD, and an integrated 4-port internal line input. It employs Interactive Voice Response (IVR), and is compatible with IP and analogue switchboards. It includes Caller ID support, and can run round the clock. It includes the settings of the Nurse Call Unit System, the Code Blue System, the Code Pink System, the Code White System and the Consultant Call System. It can manage, direct, record and report all calls, and produce statistics. It can contain records and reports for at least 10 years.	22.050,00	112,00
35.400.1008	<b>Personnel Smart Card: (Unit: Qty.)</b> ISO/IEC 14443 Type A. 13.56 MHz MIFARE classic (Standard - 1 KB) contactless smart card.	12,50	
35.400.1009	<b>Pager: (Unit: Qty.)</b> Supply of the pager that operates on Industrial, Scientific, and Medical frequency bands described in regulations on the use of Short-Range Devices. It has Turkish interface, and records the time and date the message is sent or received. It can keep up to 30 messages, give low battery warnings, and has sound and vibration settings for notifications. It can run on a single rechargeable AA-battery. This pocket-size device can also warn the user when it is out of coverage area. It has 8-line message display, and uses POCSAG coding.	1.170,00	
35.400.1010	<b>Wireless Transmitter: (Unit: Qty.)</b> Supply, transportation to the work site, installation and making electronic connections of the transmitter that communicates messages to pagers. It consists of a central and several auxiliary antennas positioned at where the signal fades. It operates on Industrial, Scientific, and Medical frequency bands described in regulations on the use of Short-Range Devices. It uses POCSAG coding, and can communicate with other devices without needing a data cable. Its coverage area can easily be increased by adding a transmitter nearby the blind spot. It has a 220 VAC or 12-24 VDC power supply.	1.540,00	34,00

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.400.1011	<b>Emergency Service Call Panel: (Unit: Qty.)</b> Supply, transportation to the work site, installation and making electronic connections of the wall-mounted panel that has at least 19" LCD touch-screen monitor, at least 1 GB system memory, at least 16 GB hard disk, and a Turkish operating system. It supports 10/100 MB LAN features. It can scan Personnel Smart Cards, transmit messages via several devices and report the messages.	8.150,00	24,00
35.400.2000	<b>NURSE CALL SYSTEM (manufactured in compliance with TS EN ISO 11197 and 93/42/EEC Medical Devices Directive, and released with the CE compliance marking)</b>		
35.400.2001	<b>Nurse Call Console: (Unit: Qty., Materials on construction site: 60%)</b> Supply to the work site, installation and delivery in working order, including any material and labor, of a console (including the nurse call main unit with solid-state relays with output protection for all connections and controls including the power unit, indicator lamps, controls and communication, short circuit, open circuit and thermal protection, and EMI filter) with ABS housing, membrane front panel, LCD indicator panel with necessary buttons depending on the number of rooms, LED indicators, and a sufficient number of inputs and outputs for data, printer, PC and room connections, which shall be capable of data and audio communication with the central unit, printing and transferring to PC all details with all nurse call functions with timestamps and operating with other consoles in a network, and which shall allow nurses to carry out all monitoring and inspection tasks.		
35.400.2002	24 address capacity,	4.010,00	843,00
35.400.2003	31 address capacity	4.390,00	915,00
35.400.2004	62 address capacity	5.440,00	1.100,00
35.400.2005	<b>Room / bed address control module (Unit: Qty., Materials on construction site: 60%)</b> Supply to the work site and delivery in working order, including any material and labor, of a device enclosed in special casings with IP54 protection, and inputs and outputs with optical insulation, which shall allow monitoring and control of patient rooms, operate automatically, have a microprocessor, and transfers signals to the panel by means of a call input, door warning light and bathroom button connections.	291,00	39,60
35.400.2006	<b>Call / reset unit (Unit: Qty., Materials on construction site: 60%)</b> Supply to the work site and delivery in working order, including any material and labor, of a unit that consists of a nurse and physician call reset push-button and warning lights installed on patient bedside units.	76,00	12,10
35.400.2007	<b>Call handset (Unit: Qty., Materials on construction site: 60%)</b> Supply to the work site and delivery in working order, including any material and labor, of a patient handset with membrane, PVC, etc., with 2-meter cable, a call button, and buttons to control the lights on the patient bedside unit.	98,00	16,90
35.400.2008	<b>WC / Bathroom emergency call button with a cord (Unit: Qty., Materials on construction site: 60%)</b> Supply to the work site and delivery in working order, including any material and labor, of a unit made up of a module containing call and reset buttons, a warning light and a braided nylon cord with a pull ring at the tip. The unit shall be protected against moisture and dust.	115,00	16,90



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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.400.2009	<b>Door-top warning light (Unit: Qty., Materials on construction site: 60%)</b> Supply to the work site and delivery in working order, including any material and labor, of a lamp with plexiglass casing, red and green in color, which shall be used above patient doors, highly diffusive of light, and shall operate with 12V or 24V voltage.	113,00	19,50
<b>35.405.0000</b>	<b>SYNCHRONIZED CLOCK SYSTEM</b>		
<b>35.405.1000</b>	<b>Master clock and wiring: (Unit: Qty., Materials on construction site: 70%) (TS EN 60708)</b> Supply, installation, and delivery in working order, including any small material and labor, of a master clock described in the technical specifications, which shall be capable of managing a sufficient amount of slave clocks.		
35.405.1010	Regular master clock	955,00	112,00
35.405.1020	Compensated master clock	1.190,00	129,00
35.405.1030	Signal clock (that can also control the bell circuit when necessary)	1.380,00	142,00
<b>35.405.1100</b>	<b>Slave clock and installation: (Unit: Qty., Materials on construction site: 70%)</b> Supply, installation, and delivery in working order, including any small material and labor, of a slave clock described in the technical specifications.		
35.405.1110	Ø30 cm, single sided	113,00	23,90
35.405.1120	Ø30 cm, single sided, with the second hand	217,00	23,90
35.405.1130	Ø30 cm, single sided, weather-proof	97,50	23,90
35.405.1140	Ø30 cm, single sided, 110/220 V or 1.5-V battery-powered	75,50	23,90
35.405.1150	Signal clock	407,00	23,90
35.405.1160	<b>Clock supply line: (Unit: m, Materials on construction site: 60%)</b> Installing a flush-mounted or surface-mounted clock supply line by laying plastic-insulated conductors with 1.5-mm <sup>2</sup> section through peschel, bergman or PVC pipes. Junction boxes, terminal blocks and any small material and labor shall be included.	5,70	4,20
35.405.1170	<b>Weather-proof clock supply line: (Unit: m, Materials on construction site: 60%)</b> Clock supply line with the same as the item 35.405.1160 except non-lead antigron cables resistant to moisture.	5,95	4,80
35.405.2000	<b>IP Master Clock</b> Supply, installation and delivery in working order, including any small material and labor, of a master clock bearing the CE compliance marking of compliance and equipped with RJ45 network connectors, which shall be capable of sending signals to, and operating, analog and digital slave clocks; being set as a server on the network and sending and receiving time information to and from all devices on the network; setting daylight saving time automatically; and which supports GPS antenna connectivity and installation on 19-inch rack cabinets, and has a backup battery to backup the settings on the device during power outage; starts running automatically when the power is restored; and can be operated remotely by network connection.	12.270,00	112,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.405.2100</b>	<b>IP Analog Slave Clock</b> Supply, installation and delivery in working order, including any small material and labor, of a slave clock bearing the CE compliance marking of compliance and equipped with RJ45 network connectors and PoE (Power over Ethernet) power supply, which operates synchronously with the IP master clock by means of its TCP/IP configuration, indicates hour and minute, has an operating temperature of -10 to +50 degrees, including a two-sided installation apparatus for the two-sided type.		
35.405.2110	min. Ø30 cm, single sided	1.160,00	23,90
35.405.2120	min. Ø30 cm, double-sided	2.370,00	23,90
35.405.2130	min. Ø40 cm, single sided	1.730,00	23,90
35.405.2140	min. Ø40 cm, double-sided	3.590,00	23,90
<b>35.405.2200</b>	<b>IP Digital Slave Clock</b> Supply, installation and delivery in working order, including any small material and labor, of a slave clock bearing the CE compliance marking of compliance and equipped with PoE (Power over Ethernet) power supply, which operates synchronously with the IP master clock by means of its TCP/IP configuration, an LED indicator, and 4-digit hour and minutes indicator which indicates hour and minute, has an operating temperature of -10 to +50 degrees, including a two-sided installation apparatus for the two-sided type.		
35.405.2210	min. 5-cm-high digits, single sided	1.590,00	23,90
35.405.2220	min. 5-cm-high digits, double-sided	2.540,00	23,90
35.405.2230	min. 7-cm-high digits, single sided	1.940,00	23,90
35.405.2240	min. 7-cm-high digits, double-sided	3.250,00	23,90
35.405.2250	min. 10-cm-high digits, single sided	2.370,00	23,90
35.405.2260	min. 10-cm-high digits, double-sided	3.800,00	23,90
35.405.2300	<b>GPS Antenna</b> Supply and installation, including any material and labor, of the antenna that must be suitable for outdoor conditions, and produced in accordance with the IP 67 protection class, at least. It must be able to operate in temperatures between -30 C and 70 C. This 12-channel receiver must come on the market with CE compliance marking. The GPS antenna will be supplied with a 20 meter-long cable and a mounting leg.	699,00	23,90
<b>35.410.0000</b>	<b>ADDRESSABLE FIRE DETECTION AND ALARM SYSTEM</b> All fire detection, extinction and alarm systems will be manufactured in compliance with the Regulation (EU) No. 305/2011 Construction Products, and be released to the market with a CE compliance marking.		

### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.410.1100</b>	<p><b>Address fire alarm control panel (Unit: Qty., Materials on construction site: 80%)</b>            Addressable smoke, heat, gas, flame and temperature detectors shall be modular, equipped with a microprocessor, and compatible with the connectors of addressable internal and external fire alarm buttons, input and output interface units, short circuit insulators and addressable audible and visual alarm devices, which can be connected to each other by a fire alarm control panel network system with minimum 16 addresses in a large distributed system, support Modbus, Bacnet or another accepted communication module for communication with other control and automation systems of the building, allow different event types (fire, error, security, alarm, information, etc.) to be defined on all addressable devices by the user, ensure full compatibility among the locations and fire scenarios for which the system is installed, allow additional devices to be installed on the system in a manner that does not upset the existing local addressing order, and provided with Turkish and English control panel firmware and Turkish front-end firmware. The control panel with minimum 2 programmable audible alarm outputs as well as controlled alarm and failure outputs dedicated to signalization to the fire department or a remote firefighting center; a pre-alarm function for early response (before the alarm activates) from the control panel in case of low smoke density; an overall fire alarm and failure lamp and individual alarm and failure lamps for each fire zone; an alphanumeric indicator and local audible warning device; zone numbers next to the fire lamps indicating the zone which each fire lamp is assigned to; and with a fully enclosed, sealed, maintenance-free accumulator that will ensure that the fire alarm system performs the detection functions for min. 24 hours and keep all alarm, control and communication functions up and running for min. 30 minutes at the end of the said period, which shall support RS communication module for remote access, and TCP/IP (compatible with IPv4 and IPv6) for remote access over LAN, WAN and the Internet; send the event details including the "date, time, event type, location, etc." to a predetermined mobile phone number (SMS) during the event by means of a GPRS communication module that can be installed on the control panel or integrated in the control panel by means of an external GPRS communication module; integrated in the existing audio system and allow monitoring of errors and failures in the connection by the control panel; provide a programmable alarm relay output to the camera, hence allow automatic switching to the location of fire as part of its integration with the closed circuit television (CCTV) system; continuously check the detectors for contamination and issue a "Service Required" alert if it detects contamination; allow connection of repeater and mimic panels to the control panel; allow continuous inspection of all cables and connections for broken wires, short circuit and earth leakage; store min. last 1000 events on its fail-proof memory; and allow connection of a mini thermal printer. The control panel shall be manufactured in compliance with the standards TS EN 54-2 and TS EN 54-4, the Regulation (EU) No.305/2011 Construction Products - CPR, released with the CE compliance marking, and awarded the manufacturer's declaration of performance, and Certificate of Constancy of Performance by an organization accredited by the European Union. Supply, transportation to the work site, installation, connection to alarm outlet lines, adjustment, and delivery in working order, including any material and labor, of the control panel.</p> <p>Note: Specifications of the module given in the description shall be in compliance with the relevant descriptions in the unit price descriptions. The said module prices are not included in the unit price of the control panel.</p>		
35.410.1101	Single-loop, addressable fire alarm control panel, with min. 120 address capacity.	10.880,00	983,00
35.410.1102	Two-loop, addressable fire alarm control panel, with min. 240 address capacity.	11.500,00	983,00
35.410.1103	Three-loop, addressable fire alarm control panel, with min. 360 address capacity.	13.600,00	1.070,00
35.410.1104	Four-loop, addressable fire alarm control panel, with min. 480 address capacity.	14.780,00	1.210,00
35.410.1105	Five-loop, addressable fire alarm control panel, with min. 600 address capacity.	16.820,00	1.280,00

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<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.410.1106	Six-loop, addressable fire alarm control panel, with min. 720 address capacity.	19.020,00	1.340,00
35.410.1107	Seven-loop, addressable fire alarm control panel, with min. 840 address capacity.	21.000,00	1.450,00
35.410.1108	Eight-loop, addressable fire alarm control panel, with min. 960 address capacity.	23.320,00	1.550,00
35.410.1109	Nine-loop, addressable fire alarm control panel, with min. 1080 address capacity.	26.410,00	1.690,00
35.410.1110	10-loop, addressable fire alarm control panel, with min. 1200 address capacity.	28.270,00	1.790,00
35.410.1111	11-loop, addressable fire alarm control panel, with min. 1320 address capacity.	30.180,00	1.950,00
35.410.1112	12-loop, addressable fire alarm control panel, with min. 1440 address capacity.	32.030,00	1.980,00
35.410.1113	13-loop, addressable fire alarm control panel, with min. 1560 address capacity.	33.920,00	2.120,00
35.410.1114	14-loop, addressable fire alarm control panel, with min. 1680 address capacity.	35.800,00	2.180,00
35.410.1115	15-loop, addressable fire alarm control panel, with min. 1800 address capacity.	37.660,00	2.260,00
35.410.1116	16-loop, addressable fire alarm control panel, with min. 1920 address capacity.	39.630,00	2.580,00
35.410.1117	Network interface card (to be installed on each control panel or repeater panel) should be able to operate on up to 32 addressable alarm panels and repeater panel network.	2.170,00	128,00
35.410.1118	Mini thermal printer	1.540,00	88,50
<b>35.410.1500</b>	<b>Addressable fire alarm control panel, RS communication module (Unit: Qty., Materials on construction site: 60%)</b> It shall be used for cable remote access to the addressable fire alarm control panel. The RS-232 communication module that supports the RS-232 communication protocol used for distances up to 10 meters, and the RS-485 communication module that supports the RS-485 communication protocol used for distances above 10 meters shall be powered by a switched (SMPS) power supply with the specifications provided in the item 35.410.6000, and the price of the power supply shall not be included in the unit price. Supply, transportation to the work site, and delivery in working order, of a module manufactured by a company that is awarded ISO 9001 Quality Management System certificates.		
35.410.1501	RS-232 Communication Module	1.070,00	256,00
35.410.1502	RS-485 Communication Module	1.180,00	256,00
35.410.1510	<b>Addressable fire alarm control panel, TCP/IP communication module (Unit: Qty., Materials on construction site: 60%)</b> It shall be used for remote access of the addressable fire alarm system over LAN, WAN and the Internet. The TCP/IP communication module (compatible with IPv4 and IPv6) shall have the same technical specifications with the unit price no. 35.410.6000, be supplied power by a switched-mode power supply (SMPS), and the price of the power supply shall not be included in the unit price. Supply, transportation to the work site, and delivery in working order, of a module manufactured by a company that is awarded ISO 9001 Quality Management System certificates.	3.160,00	273,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.1520	<p><b>Addressable fire alarm control panel, GPRS communication module (Unit: Qty., Materials on construction site: 60%)</b>                      It shall be used for remote access of the addressable fire alarm system over the Internet using the mobile communication protocol GPRS. It shall send the event details including the "date, time, event type, location, etc." to a predetermined mobile phone number (SMS) during the event by means of a GPRS communication module. The GPRS communication module shall have the same technical specifications with the unit price no. 35.410.6000, be supplied power by a switched-mode power supply (SMPS), and the price of the power supply shall not be included in the unit price. Supply, transportation to the work site, and delivery in working order, of a module manufactured by a company that is awarded ISO 9001 Quality Management System certificates.</p>	3.940,00	256,00
35.410.1530	<p><b>Addressable fire alarm control panel, MODBUS communication module (Unit: Qty., Materials on construction site: 60%)</b>                      The modbus communication module shall be designed to operate in integration with the PLC systems of the fire alarm system using the modbus protocol, which are used for direct data exchange with other building control and automation systems of the plant. The modbus communication module shall allow the use of the data corresponding to the register addresses on the memory map for PLC automation. The modbus communication module shall be capable of fire, pre-alarm, error, test and disabling events on the system. Any event that occurs on the system shall be detailed up to the device address. Modbus module settings shall be made by means of hardware on the card and by means of software using the modbus master, and modbus RTU/ASCII modes shall be supported as settings and communication shall take place by the modbus protocol through RS 232/485. The modbus module shall be equipped with memory protection. The unavailable fields on the memory shall be both reading- and writing-protected. The modbus query time shall be min. 100 ms. Supply, transportation to the work site, and delivery in working order, of a module manufactured by a company that is awarded ISO 9001 Quality Management System certificates.</p>	4.130,00	256,00
35.410.1540	<p><b>Addressable fire alarm control panel, BACnet communication module (Unit: Qty., Materials on construction site: 60%)</b>                      Supply, transportation to the work site, testing and delivery in working order, including any small material, of a BACnet communication module which operates as integrated with the systems that use the BACnet protocol, operate directly with the BACnet systems with MS/TP layer and through a router with the BACnet systems with an Ethernet layer, indicates fire, pre-alarm, error and disabling events, configures BACnet communication module settings by hardware on the card, and is manufactured by a company that is certified for compliance with the ISO 9001 Quality Management System.</p>	4.130,00	256,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.2000	<p><b>Addressable fire alarm repeater panel (Unit: Qty., Materials on construction site: 80%)</b>                      The repeater panel should be equipped with all indicator and control buttons on the master fire alarm control panel, allow monitoring of all alarm and failure states related to the system and conduct system checks. The repeater panel should have a master fire alarm and failure lamp, and individual alarm, failure lamps and illuminated alphanumeric indicator for each fire zone as well as local audible alarm component. Location numbers indicating the assigned location of a fire lamp should be placed next to each local fire lamp. In case of mains power outage, the fire alarm system shall continue to perform detection functions for min. 24 hours, and be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period. The control panel shall be earthed for the required ohm value independently. The control panel shall be manufactured in compliance with the TS EN 54-2 and TS EN 54-4 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the repeater panel.</p>	4.810,00	381,00
35.410.2010	<p><b>Addressable Fire Alarm System Fire Telephone Control Unit (Unit: Qty., Materials on construction site: 60%)</b>                      As part of the addressable fire alarm system, a control unit of a capacity stated in the relevant item shall be used to establish communication between the security center and field fire telephones located at strategic points on site. Field fire telephones shall not require dialing to call the security center. The fire telephone control unit of the addressable fire alarm system shall be equipped with the technical infrastructure necessary for fire telephones to call the relevant number automatically. Once an operator at the security center has answered an incoming call, the telephone call shall begin and if warnings are received from other fire telephones, they shall be able to join the call (conference). Addressable fire alarm system fire telephone control unit shall be equipped with sufficient technical infrastructure to allow all fire telephones to join a conference call simultaneously. Conference calls shall be started automatically by the control module without the need for any operator action. Supply, transportation to the work site, and delivery in working order, of a module manufactured by a company that is awarded ISO 9001 Quality Management System certificates.</p>		
35.410.2011	12 fire telephone capacity	10.330,00	578,00
35.410.2012	16 fire telephone capacity	12.940,00	665,00
35.410.2013	32 fire telephone capacity	17.550,00	770,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.2020	<p><b>Addressable optical smoke detector (Unit: Qty., Materials on construction site: 60%)</b>                      The microprocessor-controlled detector shall be equipped with a photoelectric smoke cell that operates by emitting light. Minimum one LED shall be available on the detector for visibility from a distance. It shall be compatible with the parallel remote indicator connector and equipped with a socket that ensures attachment and removal. Detectors should be addressable automatically by any location switch, handheld detector programming device or fire detection and alarm control panel. The detector shall be manufactured in compliance with the TS EN 54-7 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector.</p>	217,00	25,50
35.410.2030	<p><b>Addressable optical smoke detector with short circuit insulator (Unit: Qty.):</b>                      The detector shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the loop line. The detector shall be manufactured in compliance with the TS EN 54-7 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. The rest of the specifications shall be the same as the item 35.410.2020, and it shall be transported to the work site, installed at the location specified in the project design, tested and delivered with any small material.</p>	268,00	25,50
35.410.2040	<p><b>Addressable temperature detector (Unit: Qty., Materials on construction site: 60%)</b>                      It shall be possible to program the detector for operating as a fixed temperature detector or a temperature rate of increase detector. The detector shall be equipped with min. LED for visibility from a distance, and a socket compatible with parallel remote indicators for installation and removal of such lamps. Detectors should be addressable automatically by any location switch, handheld detector programming device or fire detection and alarm control panel. The microprocessor-controlled detector shall be manufactured in compliance with the TS EN 54-5 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector.</p>	217,00	25,50
35.410.2050	<p><b>Addressable temperature detector with short circuit insulator (Unit: Qty.):</b>                      The detector shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the loop line. The detector shall be manufactured in compliance with the TS EN 54-5 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. The rest of the specifications shall be the same as the item 35.410.2040, and it shall be supplied, transported to the work site, installed at the location specified in the project design, tested and delivered with any small material.</p>	268,00	25,50

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.2060	<p><b>Addressable combined optical smoke and temperature detector (Unit: Qty., Materials on construction site: 60%)</b>                      The microprocessor-controlled detector shall be equipped with a photoelectric smoke cell that operates by emitting light. It shall also be possible to program the detector to operate as a fixed temperature detector or temperature increase rate detector. The detector shall be equipped with min. LED for visibility from a distance, and a socket compatible with parallel remote indicators for installation and removal of such lamps. Detectors should be addressable automatically by any location switch, handheld detector programming device or fire detection and alarm control panel. The detector shall be manufactured in compliance with the TS EN 54-5 and TS EN 54-7 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector.</p>	262,00	21,60
35.410.2070	<p>Addressable combined optical smoke and temperature detector with short circuit insulator (Unit: Qty.):                      The detector shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the loop line. The detector shall be manufactured in compliance with the TS EN 54-5, TS EN 54-7 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. The rest of the specifications shall be the same as the item 35.410.2060, and it shall be supplied, transported to the work site, installed at the location specified in the project design, tested and delivered with any small material.</p>	324,00	21,60



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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.2500	<p><b>Active air sampling precision smoke detector (Unit: Qty., Materials on construction site: 60%)</b></p> <p>The active air sampling precision smoke detector which can detect fire at its initial stage for the locations that require very fast and precise smoke detection and protection shall operate by the principle of sampling the air at the relevant location. The detector shall be capable of operating at precision classes A (very high precision), B (enhanced precision) and C (normal precision). The detector shall be able to detect and report the operator any blockage or fracture at the pipe that transfers the air at the location to the panel. The pipes shall be drilled in the number and diameter as per the pneumatic calculations, and installed at their designated location specified in the application project. The pipes shall be secured by clamps to avoid deflection. The active air sampling precision smoke detector shall be in a PVC cabinet, and made up of a laser or LED-based high-power detection cell, an aspirator that absorbs the air, and a filter and electronic control equipment. The light source shall be semiconductor laser or high-power LED, and have a minimum life loop of 10 years. It shall adjust precision automatically based on the ambient conditions using its microprocessor controller design. The detector shall detect at min. 2 grades: alarm and pre-alarm. The device shall be equipped with pre-alarm, alarm and error relays. The active air sampling fire detector shall communicate by RS-485.</p> <p>The system should allow monitoring by PC using its own software. Air sampling panels shall be able to report events retrospectively and keep the events (such as reset, alarm, silencing an alarm, discharge, etc.) on its memory.</p> <p>The active air sampling precision smoke detector shall be equipped with a 24 V DC switching-mode power supply (SMPS) unit with the item number 35.410.6000 and in compliance with TS EN 54-4 to maintain the operability of detection functions for min. 24 hours and keep all functions of alarming, control and communication up and running for min. 30 minutes after the said period. The power supply shall not be included in the unit price.</p> <p>The active air sampling precision smoke detector shall be integrable with addressable fire detection systems through control modules. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of active air-sampling precision smoke detectors and sensing pipes manufactured in compliance with the TS EN 54-20 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p> <p>Note: Square meter values specified in the item description indicate the area that the device can protect in the configuration class C. It should be kept in mind that the protection area is reduced in the configuration class A and B.</p>		
35.410.2501	A system with active sampling precision smoke detector with a protection area of min. 500 m <sup>2</sup> in configuration class C.	4.260,00	1.050,00
35.410.2502	A system with active sampling precision smoke detector with a protection area of min. 750 m <sup>2</sup> in configuration class C.	5.020,00	1.400,00
35.410.2503	A system with active sampling precision smoke detector with a protection area of min. 1250 m <sup>2</sup> in configuration class C.	6.730,00	1.730,00
35.410.2504	A system with active sampling precision smoke detector with a protection area of min. 2000 m <sup>2</sup> in configuration class C.	8.600,00	2.030,00

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.2510	<p><b>Ventilation duct sampling device with an Addressable Optical Smoke Detector (Unit: Qty., Materials on construction site: 60%)</b>                      It should be used for smoke detection in ventilation ducts using the addressable optical smoke detector integrated in the item. It should perform sampling by optimum air flow from the ventilation duct to the addressable optical smoke detector and should be designed to ensure an appropriate speed for a safe detection. It should have an ABS or metal housing with a transparent cover that allows the functions of the detector in the housing to be seen. The sampling pipe shall be made of aluminum to prevent corrosion. Supply, installation, connection to fire alarm outlet lines, and delivery in working order, including any small material and labor, of a ventilation shaft sampling device with addressable optical smoke detector manufactured in compliance with the TS EN 54-7 and TS EN 54-27 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	1.110,00	129,00
35.410.2520	<p><b>Addressable water leak detector (Unit: Qty., Materials on construction site: 60%)</b>                      Transportation to the work site, and delivery in working order, including any small material, of an address water leak detector that consists of a cable and detection probe, performs data communication with the addressable fire alarm control panel by a loop cable, directly connects to the loop line, and which was manufactured by a manufacturer that is certified for compliance with the ISO 9001 Quality Management System.</p>	193,00	23,50
35.410.2530	<p><b>Resettable addressable fire alarm button (Unit: Qty., Materials on construction site: 60%)</b>                      The resettable addressable fire alarm button shall be microprocessor-controlled. It should activate once the flexible non-breakable glass on the button is pressed, and remain in that state until it is reset. The LED located on the fire alarm button shall flash while the button is queried through the loop and flash continuously during an alarm. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of buttons manufactured in compliance with the TS EN 54-11 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	207,00	21,60
35.410.2540	<p><b>The addressable (resettable) fire alarm button (Unit: Qty.; Materials on site: 60%)</b> The addressable resettable fire alarm button will act as a manual warning component in the system. It will be flush- or surface-mounted, and controlled by a microprocessor. It should activate once the flexible non-breakable glass on the button is pressed, and remain activated until it is reset. The LED located on the fire alarm button will flash while the button is queried through the cycle and turn solid when activated manually and switched to the alarm status. The button shall be weather-proof and comply with min. IP 65 protection class. Supply, transportation to the work site, testing, and delivery in working order of buttons manufactured in compliance with the TS EN 54-11 standard and the Regulation (EU) No. 305/2011 Construction Products, and released with a CE compliance marking, with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union.</p>	451,00	44,80

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.2550	<p><b>Resettable, addressable fire alarm button with short circuit insulator (Unit: Qty., Materials on construction site: 60%)</b>                      The fire alarm button with addressable short circuit insulator shall operate as a manual alarm component and short circuit insulator on the system. The button shall be compatible with flush mounting and surface mounting, and controlled by a microprocessor. The button should activate once the flexible non-breakable glass on the button is pressed, and remain in that state until it is reset. The fire alarm button shall have a LED. The red LED on the button shall turn on when the button is queried by the control panel through the loop line or activated manually and switches to the alarm state. In case of a short circuit in the loop line, the short circuit insulator in the button shall activate automatically and the yellow LED on the button shall turn on. Once the short circuit is eliminated, the insulator shall be disabled automatically and the yellow LED shall turn off. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of buttons manufactured in compliance with the TS EN 54-11 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	312,00	44,80
35.410.2560	<p><b>The fire alarm button with addressable short-circuit resettable insulator (Unit: Qty.):</b> The fire alarm button with addressable short circuit resettable insulator will operate as a manual alarm component and short circuit insulator on the system. The protection class will be minimum IP 65. Supply, transportation to the work site, testing, and delivery in working order of buttons manufactured in compliance with the TS EN 54-11 and TS EN 54-17 standards and the Regulation (EU) No. 305/2011 Construction Products, and released with a CE marking, with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union. The rest of the specifications is identical with the item 35.410.2540.</p>	516,00	44,80
35.410.2570	<p><b>Addressable audible alarm control module (Unit: Qty., Materials on construction site: 60%)</b>                      The control module to be connected to the addressable fire alarm control panel should be used to activate the audible alarm devices. The device should have the modular expansion function. Each output of the audible alarm control module should be activated by any combination of individual input devices. The outputs should be programmable for operating continuously or intermittently. Audible alarm circuits should always be checked against open circuits and short circuits. The microprocessor-controlled module should be equipped with an illuminated indicator that indicates operating, alarm and failure statuses of the device. An installation box, 24 V DC supply unit, charger and batteries should be provided with the module. The module shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are included in the unit price). Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	472,00	32,30

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.2580	<p><b>Addressable short circuit insulator audible alarm control module (Unit: Qty.):</b>                      The addressable audible alarm control module with short circuit insulator shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the loop line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-17 and TS EN 54-18 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union, and the same as the item 35.410.2570 in other respects.</p>	624,00	32,30
35.410.2590	<p><b>Addressable zone control module (Unit: Qty., Materials on construction site: 60%)</b>                      The zone control module to be connected to the addressable fire alarm control panel should be used for connection of a conventional fire zone to the system. The module should perform failure check for both short circuits and open circuits on the conventional zone circuit. The device should have the modular expansion function. It should be activated individually by any combination of the module input devices. The microprocessor-controlled module should be equipped with an illuminated indicator that indicates operating, alarm and failure statuses of the device. An installation box, 24 V DC supply unit, charger and batteries should be provided with the module.                      The module shall be powered by a the loop line or 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are included in the unit price). Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	483,00	32,30
35.410.2600	<p><b>Addressable zone control module with short circuit insulator (Unit: Qty.):</b>                      The addressable zone control module with short circuit insulator shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the loop line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-17 and TS EN 54-18 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union, and the same as the item 35.410.2590 in other respects.</p>	581,00	32,30

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.2610	<p><b>Addressable, intrinsically safe zone control module (Unit: Qty., Materials on construction site: 60%)</b></p> <p>The intrinsically safe zone control module to be connected to the addressable fire alarm control panel should be used to connect an intrinsically safe or fireproof conventional fire zone (fireproof infrared gas, fire proof fire detector, intrinsically safe smoke and temperature detectors or intrinsically safe alarm buttons) to the system. The module should perform failure check for both short circuits and open circuits on the conventional zone circuit. The device should have the modular expansion function. It should be activated individually by any combination of the module input devices. The microprocessor-controlled module should be equipped with an illuminated indicator that indicates operating, alarm and failure statuses of the device. An installation box, 24 V DC supply unit, charger and batteries should be provided with the module. The module shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are not included in the unit price). Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	793,00	140,00
35.410.2620	<p><b>Addressable relay module (Unit: Qty., Materials on construction site: 60%)</b></p> <p>A relay module to be connected to the addressable fire alarm control panel should be used to activate the devices to be controlled in case of fire. They should be able to operate normally open and normally closed by non-voltage, single-pole contacts. The microprocessor-controlled module should be activated individually by any combination of the module input devices. The module should have a an illuminated indicator that indicates the operating, alarm and failure statuses of the device. The module should not require an external 24 V DC supply unit and draw its power by a loop cable. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	504,00	32,30
35.410.2630	<p><b>Addressable relay module with short circuit insulator (Unit: Qty.):</b></p> <p>The addressable relay module with short circuit insulator shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the loop line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-17 and TS EN 54-18 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union, and the same as the item 35.410.2620 in other respects.</p>	537,00	32,30

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.2640	<p><b>Addressable relay module resistant to high current (Unit: Qty., Materials on construction site: 60%)</b>                      A relay module to be connected to the addressable fire alarm control panel should be used to activate the devices to be controlled in case of fire. The relay module should be activated by any combination of the input devices. It should be possible to use the module in applications that require high current by means of its 250 V AC, 8 A contacts. They should be able to operate normally open and normally closed by non-voltage, single-pole contacts. The microprocessor-controlled module should be equipped with an illuminated indicator that indicates operating, alarm and failure statuses of the device. The module should not require a 24 V DC supply unit and draw its power from the loop cable. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	597,00	44,80
35.410.2650	<p><b>Addressable contact monitoring module (Unit: Qty., Materials on construction site: 60%)</b>                      A contact monitoring module to be connected to the addressable fire alarm control panel should be used to monitor the positions of the sprinkler systems, alarm inputs, general-purpose fire devices, control switches and other safety devices. It should be able to monitor normally open and normally closed contacts. The microprocessor-controlled module should have a modular expansion function. It should be activated individually by any combination of the module input devices. The module should be equipped with an illuminated indicator that indicates operating, alarm and failure statuses of the device. The module should not require a 24 V DC supply unit and draw its power from the loop cable. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-18 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	447,00	32,30
35.410.2660	<p><b>Addressable contact monitoring module with short circuit insulator (Unit: Qty.):</b>                      The addressable contact monitoring module with short circuit insulator shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the loop line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-17 and TS EN 54-18 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union, and the same as the item 35.410.2650 in other respects.</p>	559,00	32,30

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.2670	<p><b>Addressable short circuit insulator module (Unit: Qty., Materials on construction site: 60%)</b>  Short circuit insulators to be connected to the loop of the addressable fire alarm control panel shall be connected among detectors, buttons and modules in a closed loop and prevent the loop from being disabled in case of a short circuit.  Then the insulators should activate one at a time starting from both connection points of the loop until they reach the malfunctioning section to insulate such sections. The insulator module should be used while switching to another fire zone. The modules shall be manufactured in compliance with the TS EN 54-17 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the microprocessor-controlled module.</p>	238,00	32,30
35.410.3000	<p><b>Addressable loop-powered fire siren (Unit: Qty., Materials on construction site: 60%)</b>  The microprocessor-controlled siren shall have a minimum sound volume of 75 db/mt. The device shall communicate with the fire alarm control panel through, and powered by, the loop cable. No external 24 V DC supply voltage shall be required. It shall be programmable and can be included in fire scenarios. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of sirens manufactured in compliance with the TS EN 54-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	438,00	28,40
35.410.3010	<p><b>Addressable loop-powered fire siren with short-circuit insulator (Unit: Qty.):</b>  The addressable, loop-powered fire alarm siren shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the loop line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-3 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union, and the same as the item 35.410.3000 in other respects.</p>	519,00	28,40

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.3020	<p><b>Addressable loop-powered fire siren with strobe light (Unit: Qty., Materials on construction site: 60%)</b>                      The fire siren with strobe lights shall have minimum 75 db/mt volume and 1 Hz flashing frequency. The device shall communicate with the addressable fire alarm control panel through, and powered by, the loop cable. No external 24 V DC supply voltage shall be required. It shall be programmable and can be included in fire scenarios. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of sirens manufactured in compliance with the TS EN 54-3 and TS EN 54-23 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	495,00	44,80
35.410.3030	<p><b>Addressable loop-powered fire siren with short-circuit insulator and strobe light (Unit: Qty.):</b>                      The addressable, loop-powered fire alarm siren with strobe light shall be equipped with a short circuit insulator to ensure that the system keeps operating in case of short circuits that may occur in the loop line. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of modules manufactured in compliance with the TS EN 54-3, TS EN 54-23 and TS EN 54-17 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union, and the same as the item 35.410.3020 in other respects.</p>	545,00	44,80
35.410.3100	<p><b>Addressable fire alarm system fire zone telephone (Unit: Qty., Materials on construction site: 60%)</b>                      Addressable fire alarm system field fire telephones shall be used to enable authorized persons to communicate with the security center and other field telephones. They shall be activated when the handset is picked up. They shall call the security center automatically without the need to dial any number.                      They shall be connected to the fire telephone control module with the item no. 833-380. The field phones shall be enclosed in red, non-corrosive and locked metal housings. The glass on the front surface of the housing shall make the handset within the housing visible. Supply, transportation to the work site, and delivery in working order, of a fire zone telephone manufactured by a company that is awarded ISO 9001 Quality Management System certificates.</p>	2.750,00	792,00



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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.3110	<p><b>Linear wire temperature sensor control unit for the addressable fire alarm system (Unit: Qty., Materials on construction site: 80%)</b>                      Supply, transportation to the work site, testing, and delivery in working order, including any small material, of a linear wire temperature sensor control unit with separate relay outputs, a protection password, the technical specifications provided in the item no. 35.410.6000, and an external 24V DC switched-mode power supply (SMPS), and integrated with communication modules, which reports fire and error data to the addressable fire alarm system, reports control unit communication errors, sensor and cable failures, sensor system modbus or BACnet communication errors, measuring point disabled, and ROM and EEPROM failures; measures temperature values with min. 0.10 C precision through the addressable control panel menu; allows to create zones by uniting sensors, to set a differential alarm threshold, to define a pre-alarm, to program sensor scanning and data acquisition times, to define baseline values for differential alarm thresholds and to program the number of measurements to set the baseline; and which shall be manufactured in compliance with the standard TS EN 54-4, 305/2011/EU Construction Products Directive, released with the CE compliance marking, and awarded the manufacturer's declaration of performance, and Certificate of Constancy of Performance by an organization accredited by the European Union.</p>	17.540,00	5.930,00
35.410.3120	<p>Linear wire temperature detector for the addressable fire alarm system (Unit: m., Materials on construction site: 60%)                      Supply, transportation to the work site, testing and delivery in working order, including any small material, of detectors, distribution, termination and connection boxes where microprocessor sensors placed in a halogen-free cable at certain intervals are protected from environmental impacts, measurements are made with min. 0.10 C precision at the intervals and operating conditions specified in the relevant project, and more cables can be connected by a distribution panel to be installed adjacent to the control unit with item number 35.410.3110 if more sensor cables are to be connected, and a terminal box or a protective cap is available at cable ends. The items shall be manufactured in compliance with the standard TS EN 54-5, the Regulation (EU) No.305/2011 Construction Products - CPR, released with the CE compliance marking, and awarded the manufacturer's declaration of performance, and Certificate of Constancy of Performance by an organization accredited by the European Union.</p>	236,00	27,40
35.410.3130	<p><b>External wire temperature sensor for the addressable fire alarm system (Unit: Qty., Materials on construction site: 60%)</b>                      Supply, transportation to the work site, testing and delivery in working order, including any small material, of an external temperature sensor, sensor module and connection boxes with stainless steel-plated external semiconductor sensors where such data as the differential alarm threshold, alarm threshold, min. threshold of the sensor are transferred to the detection system with item no. 35.410.3110 by means of an external sensor module, which shall be manufactured by a company certified for compliance with the ISO 9001 Quality Management System.</p>	549,00	27,40

### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.410.4000</b>	<p><b>Addressable fire detection system, graphical monitoring/management software and hardware (Unit: Qty., Materials on construction site: 80%)</b></p> <p>Supply, transportation to the work site, testing and delivery in working order, including any small material, of a graphical monitoring/management software and hardware pack compatible with IPv4 and IPv6 and manufactured by a manufacturer certified for compliance with the ISO 9001 Quality Management System, with PC software and hardware, Turkish and English language options for the software, a program operating under Windows and other operating systems, and graphical monitoring and control of fire alarm control panels with min. 32 addresses using a single program on a computer; which allows to check on a computer the alarm, error and status data on the fire alarm system and to monitor graphically the fire alarm systems with a network structure made up of min. 32 control and/or repeater panels, and to communicate by means of the connection between the PC and the control panel, or RS-232 / RS-485 or TCP/IP communication port; which sends full screen or pop-up warning messages automatically or manually to different computers in case of fire online through LAN or WAN by individually defined IP addresses or domain names using the graphical monitoring software and hardware; sends the event log data including the "date, time, event type, location, etc." kept in the memory by the control panel to predefined email address(es) or as a short message (SMS) to predefined mobile phone number(s) during the event; allows to send all events or only selected events logged on the fire system; sends the email or SMS during the event or on a daily or weekly basis as reports; sends Alarm, Reset, Cancel Alarm commands to all fire alarm control panels running in the system or network; displays all events (fire, error, etc.) on the control panel(s) on the messages window of the graphic monitoring program; allows software IP telephone integration as fire telephone in the PC software; allows communication using a headset, modem and fire telephone control unit connected to the PC; starts a telephone call once the operator at the security center has answered a call by the IP telephone and join a conference call if a warning is received from other fire telephones at the same time; and easily calls the field telephones or fire alarm control panels with telephone through the IP telephone at the security center in case of an emergency detected during fire monitoring; allows the design of the location to be saved in jpg, jpeg, bmp, ico, emf and wmf formats; saves architectural projects of the location in Autocad (dwg) format by converting them into wmf format, and allows navigation by shortcuts in such projects; keeps event logs of the graphic monitoring software and hardware system; displays event logs by date ranges, fire and error states and prints them; boots with the operating system and never shuts down by disabling the buttons used for shutting down the Windows operating system; allows minimum 10 users to be defined; emits a different sound for each event type; allows customization of event sounds by users and multiple users and multi-step password input for different ranks of users and the operator.</p>		
35.410.4001	Addressable fire detection system, graphical monitoring/management software and hardware for 1 Control Panel	6.700,00	472,00
35.410.4002	Addressable fire detection system, graphical monitoring/management software and hardware for 4 Control Panels	9.200,00	473,00
35.410.4003	Addressable fire detection system, graphical monitoring/management software and hardware for 8 Control Panels	11.850,00	521,00
35.410.4004	Addressable fire detection system, graphical monitoring/management software and hardware for 16 Control Panels	14.100,00	511,00
35.410.4006	Graphic monitoring/management user software for 10 users	3.490,00	53,50
35.410.4007	Graphic monitoring/management user software for 25 users	6.920,00	53,50

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.4008	Graphic monitoring/management user software for 50 users	12.080,00	53,50
<b>35.410.5000</b>	<p><b>Software for integration of the fire detection and alarm system with the CCTV system (Unit: Qty)</b>            Supply, testing and delivery in working order, including any small material, of the integration software and hardware which integrate the fire detection and alarm system with the CCTV system on the software, and display the image of the location of alarm on the graphic display of the fire detection and alarm system or the screen of the CCTV system, and direct the moving cameras to the location of the alarm based on the alarm warning received from the panel.</p>		
35.410.5001	Software for integration of the fire detection and alarm system for 1 Control Panel with the CCTV system	4.120,00	174,00
35.410.5002	Software for integration of the fire detection and alarm system for 4 Control Panels with the CCTV system	4.980,00	211,00
35.410.5003	Software for integration of the fire detection and alarm system for 8 Control Panels with the CCTV system	6.010,00	254,00
35.410.5004	Software for integration of the fire detection and alarm system for 16 Control Panels with the CCTV system	7.210,00	304,00
35.410.5005	Software for integration of the fire detection and alarm system for 32 Control Panels with the CCTV system	8.750,00	368,00
<b>35.410.6000</b>	<p><b>Switch-mode power supply unit (Unit: Qty., Materials on construction site: 60%) (TS EN 54-4)</b>            The switch-mode power supply unit shall provide 24 V DC voltage and the output power specified in its item description. The power supply unit shall continuously check itself and be able to detect such errors as earthing, battery, fuse and 220 V AC mains supply outages or 24 V fuse malfunctions. It shall be equipped with a dry-contact relay that reports errors as well as overcurrent, short circuit protection and automatic fuse protection. The power supply shall check the presence of a battery, charging loop time and low voltage status of the battery and report errors. The battery temperature shall be measured with a thermistor and the battery charging current shall be set automatically to ensure longevity of the batteries used in the power supply. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of switch-mode power supply units including batteries, manufactured in compliance with the TS EN 54-4 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.410.6001	Switch-mode power supply unit; 1 Ah	773,00	32,70
35.410.6002	Switch-mode power supply unit; 3 Ah	921,00	66,00
35.410.6003	Switch-mode power supply unit; 5 Ah	1.150,00	139,00
35.410.6004	Switch-mode power supply unit; 10 Ah	1.860,00	202,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.410.7000</b>	<b>WIRELESS FIRE DETECTION AND WARNING SYSTEM</b>		
35.410.7010	<p><b>Addressable Wireless Fire Alarm Transceiver Unit: (Unit: Qty.)</b> Supply, including any small material, transportation to the work site, testing and delivery in working order of a addressable wireless fire alarm transceiver. When it is connected to a compatible cycle, it connects addressable wireless field devices to the fire detection and alarm system. It offers automatic channel selection and allows communication through minimum 7 different channels. It will be manufactured in accordance with the TS EN 54-18 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Materials. It must be released with a CE compliance marking, and with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union.</p>	1.080,00	65,00
35.410.7020	<p><b>Addressable Wireless Fire Alarm Expansion Module: (Unit: Qty.)</b> Supply, including any small material, transportation to the work site, testing and delivery in working order of the addressable wireless fire alarm expansion module that increases the signals coming from the transceiver units, and therefore expands the coverage area of the wireless fire alarm system. It offers automatic channel selection. It will be manufactured in accordance with the TS EN 54-18 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Materials. It must come on the market with a CE compliance marking, and with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union.</p>	1.030,00	62,00
35.410.7030	<p><b>Addressable Wireless Smoke Detector: (Unit: Qty.)</b> Supply to the work site, and delivery in working order, including any small material, of the microprocessor-controlled detector that will be equipped with a photoelectric smoke cell which operates by emitting light. Minimum one LED will be available on the detector for visibility from a distance. This detector will be powered by a dual battery system that lasts minimum 3 years. It must allow double-sided communication as a transceiver and employ automatic channel selection features. The detector will be manufactured in compliance with the TS EN 54-7 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Products. It must be released with a CE marking and a Declaration of Performance by the manufacturer, and a Performance Stability Certificate issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector.</p>	817,00	23,50
35.410.7040	<p><b>Addressable Wireless Heat Detector: (Unit: Qty.)</b> Addressable wireless heat detector can be programmed as fixed temperature detector or rate-of-rise detector. Minimum one LED will be available on the detector for visibility from a distance. It will run on a dual battery system with a life expectancy of at least 3 years. It must allow double-sided communication as a transceiver and automatic channel selection. The detector will be manufactured in accordance with the TS EN 54-5 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Products. It must be released with a CE marking and a Declaration of Performance by the manufacturer, and a Performance Stability Certificate issued by an organization accredited by the European Union.</p>	800,00	23,50

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.410.7050	<p><b>Addressable Wireless Smoke and Heat Detector: (Unit: Qty.)</b>                      The addressable heat and smoke detector will be equipped with a microprocessor-controlled photoelectric smoke cell which operates by emitting light. It should be programmed as fixed temperature detector or rate-of-rise detector. Minimum one LED will be available on the detector for visibility from a distance. This detector will be powered by a dual battery system that lasts at least 3 years. It allows double-sided communication as a transceiver and employs automatic channel selection features. The detector will be manufactured in compliance with the TS EN 54-5 and TS EN 54-7 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Products. It must be released with a CE marking and a Declaration of Performance by the manufacturer, and a Performance Stability Certificate issued by an organization accredited by the European Union.</p>	851,00	23,50
35.410.7060	<p><b>Addressable Wireless Resettable Fire Alarm Button: (Unit: Qty.)</b>                      Supply, including any small material, transportation to the work site, testing and delivery in working order a the wireless fire alarm button that will operate as a manual alarm component. This microprocessor controlled button can be flush- or surface-mounted. It will be powered by a dual battery system that lasts minimum 3 years. It offers automatic channel selection and double-sided communication as a transceiver. It will be manufactured in accordance with the TS EN 54-11 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Materials. It must come on the market with a CE compliance marking, and with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union.</p>	952,00	23,50
35.410.7070	<p><b>Addressable Wireless Fire Alarm Input Module: (Unit: Qty.)</b>                      Supply, including any small material, transportation to the work site, testing and delivery in working order of the addressable wireless fire alarm entrance module that allows double-sided communication with the wireless transceiver unit. It will be powered by a dual battery system that lasts minimum 3 years and offer automatic channel selection. It will be manufactured in accordance with the TS EN 54-18 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Materials. It must come on the market with a CE compliance marking, and with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union.</p>	737,00	23,50
35.410.7080	<p><b>Addressable Wireless Fire Alarm Output Module: (Unit: Qty.)</b>                      Supply, including any small material, transportation to the work site, testing and delivery in working order of the wireless fire alarm output module that allows double-sided communication with the wireless transceiver unit. It will be powered by a dual battery system that lasts minimum 3 years. It offers automatic channel selection and double-sided communication as a transceiver. It will be manufactured in accordance with the TS EN 54-18 and TS EN 54-25 standards, and the Regulation (EU) No. 305/2011 Construction Materials. It must be released with a CE compliance marking, and with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union.</p>	722,00	23,50

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.415.0000	<b>CONVENTIONAL FIRE DETECTION, EXTINCTION AND ALARM SYSTEM</b> All fire detection, extinction and alarm systems will be manufactured in compliance with the Regulation (EU) No. 305/2011 Construction Products, and be released to the market with a CE compliance marking.		
35.415.1100	<b>Conventional Fire Alarm Control Panel (Unit: Qty., Materials on construction site: 80%)</b> The conventional fire alarm control panel shall be compatible with the connections of conventional optical smoke detectors, fixed temperature detectors, temperature increase rate detectors, optical smoke and temperature detectors, flame detectors, natural gas, LPG and carbon-monoxide detectors, conventional internal and external fire alarm buttons, audible and visual alarm devices. As standard, the fire alarm control panel should be equipped with min. 1 output for audible alarm as well as alarm and failure outputs for sending signals to a nearby fire station, a remote firefighting center or a fire lookout station. The fire alarm control panel should be able to operate standalone or with a repeater panel. The conventional fire alarm control panel should continuously keep all lines entering the detection and alarm devices under control against such failures as broken lines, short circuit or removal of the devices on the line. The fire alarm control panel should have a master fire alarm and failure lamp, and individual alarm and failure lamps for each fire zone as well as local audible alarm component. The control panel shall be equipped with a locking mechanism to prevent unauthorized access. In case of mains power outage, the fire alarm system shall continue to perform detection functions for min. 24 hours, and be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period. The control panel shall be earthed for max. 5 ohm independently and in compliance with the Regulation on Earthing for Power Plants. The control panel shall be manufactured in compliance with the TS EN 54-2 and TS EN 54-4 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply, installation, and delivery in working order, including any small material and labor, of a conventional fire control panel.		
35.415.1110	Up to 4 Zones (including 4)	985,00	84,50
35.415.1111	Up to 8 Zones (including 8)	1.200,00	106,00
35.415.1112	Up to 12 Zones (including 12)	1.730,00	128,00
35.415.1113	Up to 16 Zones (including 16)	2.040,00	153,00
35.415.1200	<b>Conventional panel driver card: (Unit: Qty., Materials on construction site: 80%)</b> Supply to the work site and delivery in working order of a conventional panel driver card which shall be within the modular structure of the conventional fire alarm control panel, operates in a network with repeater panels, is installed in the fire alarm control panel, and manufactured by a company that is awarded with ISO 9001 Quality Management System.	608,00	55,50

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.415.1300	<p><b>Conventional fire alarm repeater panel (Unit: Qty., Materials on construction site: 80%)</b>                      The fire alarm repeater panel should communicate with the master fire alarm control panel and monitor all alarm and failure states of the system. The fire alarm repeater panel should have a master fire alarm and failure lamp, and individual alarm and failure lamps for each fire zone as well as local audible alarm component. The control panel shall be equipped with a locking mechanism to prevent unauthorized access. In case of mains power outage, the fire alarm system shall continue to perform detection functions for min. 24 hours, and be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period. The control panel shall be earthed for the required ohm value independently and in compliance with the Regulation on Earthing for Power Plants. The control panel shall be manufactured in compliance with the TS EN 54-2 and TS EN 54-4 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply, installation, and delivery in working order, including any small material and labor, of a conventional fire repeater panel as described in the relevant technical specifications.</p>	993,00	68,50
35.415.1400	<p><b>Conventional fire button and its installation (Unit: Qty.)</b>                      Conventional fire buttons shall be activated by breaking the plastic film-coated glass cover. Once the glass is broken, a microswitch that is normally leaned on the glass should release and change position, and remain in that position until the glass is replaced. It should be possible to test the button by a test switch without breaking the glass. The button shall be manufactured in compliance with the TS EN 54-11 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply, installation, connection to fire warning outlet lines, and delivery in working order, including any small material and labor, of conventional fire buttons.</p>	48,70	7,15
35.415.1410	<p><b>Conventional resettable fire button and its installation (Unit: Qty.)</b>                      The conventional resettable fire button should activate once the flexible non-breakable glass on the button is pressed, and remain in that state until it is reset. It shall be manufactured in compliance with the TS EN 54-11 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply, installation, connection to fire alarm outlet lines, and delivery in working order, including any small material and labor, of buttons.</p>	66,50	7,15

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.415.1420	<p><b>Conventional, resettable, exterior fire button and its installation (Unit: Qty.)</b>                      The conventional, resettable, exterior fire button should activate once the flexible non-breakable glass on the button is pressed, and remain in that state until it is reset. The protection class of the buttons shall be minimum IP 65. The buttons shall be manufactured in compliance with the TS EN 54-11 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the button.</p>	272,00	7,15
35.415.1430	<p><b>Conventional fixed temperature detector and its installation (Unit: Qty., Materials on construction site: 60%)</b>                      By a semi-conductor temperature detection technology, the detector shall detect temperature once it has reached a certain threshold regardless of the rate of increase. The detector shall be compatible with the parallel remote indicator connector and equipped with a socket that ensures easy attachment and removal. The detector shall be manufactured in compliance with the TS EN 54-5 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector.</p>	118,00	9,45
35.415.1440	<p><b>Conventional temperature increase rate detector (Unit: Qty., Materials on construction site: 60%)</b>                      By a semi-conductor temperature detection technology, the detector shall perform detection once the increase rate of the ambient temperature per unit time has reached a certain threshold and the temperature increase rate has reached a certain value. The detector shall be capable of operating as a fixed temperature detector or temperature increase rate detector. The detector shall be compatible with the parallel remote indicator connector and equipped with a socket that ensures attachment and removal. The detector shall be manufactured in compliance with the TS EN 54-5 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector.</p>	134,00	9,45
35.415.1450	<p><b>Conventional optical smoke detector and its installation (Unit: Qty., Materials on construction site: 60%)</b>                      The detector shall detect smoke by optical means. The detector shall be equipped with a photoelectric smoke cell that operates by emitting light. The detector shall be compatible with the parallel remote indicator connector and equipped with a socket that ensures attachment and removal. The detector shall be manufactured in compliance with the TS EN 54-7 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector.</p>	156,00	8,65



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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.415.1460	<p><b>Parallel remote indicator (Unit: Qty., Materials on construction site: 60%)</b>                      It shall be operated by the signal from the parallel remote indicator output when fire alarm detectors detect an event. It shall be used where it is difficult or impossible to see and monitor the indicator (light (LED)) on the detector. The indicator (light (LED)) on the parallel remote indicator shall be red and min. 10 mm for ease of monitoring. The parallel remote indicator shall be manufactured by a manufacturer that is awarded ISO 9001 Quality Management System certificates. Supply, installation, and delivery in working order, including any small material and labor, of a parallel remote indicator.</p>	26,30	8,65
35.415.1470	<p><b>Conventional optical smoke and temperature detector and its installation (Unit: Qty., Materials on construction site: 60%)</b>                      The detector shall detect smoke by optical means. The detector shall be equipped with a photoelectric smoke cell that operates by emitting light. The detector shall also sense temperature by a heat-sensitive semiconductor. The detector shall be compatible with the parallel remote indicator connector and equipped with a socket that ensures attachment and removal. The detector shall be manufactured in compliance with the TS EN 54-7 and TS EN 54-5 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector.</p>	272,00	32,30
35.415.1500	<p><b>Conventional beam-type smoke detector (Unit: Qty., Materials on construction site: 60%)</b>                      Conventional, or transceiver or transceiver reflector beam-type smoke detectors for large and high-ceiling areas shall be used for the fire alarm system. The detector should have min. three different grades of smoke sensitivity settings. The detector should be reset on the switchboard without the need for an external resetting unit. The beam-type smoke detector should perform drift compensation, and issue an error signal when the drift level has reached the critical threshold. A parallel remote indicator output shall be available on the detector. For the transceiver model, fireproof cables of an appropriate type and section for should be used to ensure synchronized operation and data communication between the receiver and the transmitter.                      The beam-type smoke detector shall be manufactured in compliance with the TS EN 54-12 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the detector.</p>		
35.415.1501	Transceiver type with a range of 10 to 100 m between the transmitter and the receiver	4.200,00	278,00
35.415.1502	Transceiver - reflector type with a range of 10 to 50 m between the transceiver and the reflector	2.830,00	278,00
35.415.1503	Transceiver - reflector type with a range of 10 to 100 m between the transceiver and the reflector	3.220,00	278,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.415.1550	<p><b>Ventilation duct sampling device with a conventional optical smoke detector (Unit: Qty., Materials on construction site: 60%)</b>                      Supply, transportation to the work site, installation, connection to fire alarm outlet lines, testing and adjustment, and delivery in working order, including any material and labor, of the device with an ABS or metal housing, a transparent cover that enables the functions within the detector to be seen, and an aluminum sampling pipe; which is manufactured in compliance with the standards TS EN 54-7 and TS EN 54-27, the Regulation (EU) No.305/2011 Construction Products - CPR, released with the CE compliance marking, and awarded the manufacturer's declaration of performance, and Certificate of Constancy of Performance by an organization accredited by the European Union; and which detects smoke in ventilation ducts by means of a conventional optical smoke sensor integrated in the device, and performs sampling by supplying an air flow with appropriate values from the ventilation duct to the optical smoke detector.</p>	1.520,00	159,00
35.415.1560	<p><b>Internal electronic fire siren (Unit: Qty., Materials on construction site: 60%)</b>                      The internal siren shall have a durable, heat-resistant, red housing and an aesthetic appearance. It shall have a minimum sound volume of 100 db/1 mt. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of sirens with min. IP 42 protection class, manufactured in compliance with the TS EN 54-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	149,00	32,30
35.415.1570	<p><b>Internal electronic fire strobe light (Unit: Qty., Materials on construction site: 60%)</b>                      The internal strobe light should have a durable and heat-resistant housing. The strobe light should have a minimum flashing energy of 2.5 Joules and a flashing frequency of 1 Hz. The strobe light should be visible even from a considerable distance. Its protection class should be min. IP 44. The strobe lights shall be manufactured in compliance with the TS EN 54-23 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the strobe light.</p>	170,00	21,60
35.415.1580	<p><b>Internal electronic fire siren with strobe light (Unit: Qty., Materials on construction site: 60%)</b>                      The siren strobe light shall have a minimum sound volume of 100 db/1 mt. The strobe light siren should have a minimum flashing energy of 2.5 Joules and a flashing frequency of 1 Hz. The siren strobe light should be visible even from a considerable distance. Its protection class should be min. IP 42. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of siren strobe lights manufactured in compliance with the TS EN 54-3 and TS EN 54-23 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	244,00	21,60

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.415.1590	<p><b>External electronic fire siren (Unit: Qty., Materials on construction site: 60%)</b>                      The internal siren shall have a durable, heat-resistant, red housing and an aesthetic appearance. It shall have a minimum sound volume of 100 db/1 mt. The siren should be protected against moisture and coated to withstand aging. Its protection class should be min. IP 65. The siren shall be manufactured in compliance with the TS EN 54-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the siren.</p>	200,00	21,60
35.415.1600	<p><b>External electronic fire siren with strobe light (Unit: Qty., Materials on construction site: 60%)</b>                      The internal siren strobe light should have a durable and heat-resistant housing. The siren strobe light shall have a minimum sound volume of 100 db/1 mt. The strobe light siren should have a minimum flashing energy of 2.5 Joules and a flashing frequency of 1 Hz. The siren strobe light should be visible even from a considerable distance and coated to withstand aging. Its protection class should be min. IP 65. The siren strobe lights shall be manufactured in compliance with the TS EN 54-3 and TS EN 54-23 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the siren strobe light.</p>	343,00	21,60
35.415.1610	<p><b>Conventional external fire alarm button: (Unit: Qty., Materials on construction site: 60%)</b>                      Conventional fire buttons shall be activated by breaking the 0.1-mm plastic film-coated glass cover. Once the glass is broken, a microswitch that is normally leaned on the glass should release and change position, and remain in that position until the glass is replaced. It should be possible to test the button by a test switch without breaking the glass. Its protection class should be min. IP 65. The buttons shall be manufactured in compliance with the TS EN 54-11 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, and delivery in working order, including any small material, of the button.</p>	133,00	21,60
35.415.1620	<p><b>Fire alarm detector kit for installation on suspended ceiling (Unit: Qty., Materials on construction site: 60%)</b>                      It shall be used for installation of conventional detectors or fire alarm detectors such as optical smoke, temperature, combined temperature and smoke detectors on any suspended ceiling types including rock wool, plasterboard, metal, etc. in order to prevent sagging or deformations and to ensure architectural integrity. The suspended ceiling unit where the detector sockets are to be installed shall be ABS and of the same color and material as the detectors. The unit shall be installed on the suspended ceiling material by fastening with min. two metal tabs. The metal tabs shall be made of stainless steel material and operate in screwing principle. No spring-loaded mechanisms shall be used. The suspended ceiling unit shall be manufactured by a manufacturer that is awarded ISO 9001 Quality Management System certificates.</p>	42,80	21,60

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.415.1630	<p><b>Detector flush mounting box (Unit: Qty., Materials on construction site: 60%)</b>                      Supply, transportation to the work site, testing and delivery, including any small material, of installation boxes made of non-corrosive material by a manufacturer certified for compliance with the ISO 9001 Quality Management System for use in application of conventional or addressable fire detectors in weather-proof environments or surface-mounted installations.</p>	47,00	25,50
35.415.1640	<p><b>Internal electronic fire bell (Unit: Qty., Materials on construction site: 60%)</b>                      The internal electronic fire alarm bell shall have a low current consumption. The micro-motor unit of the bell shall be designed to reduce the effects of electromagnetic fields and radio frequencies. Its protection class should be min. IP 51. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of internal electronic fire alarm bell manufactured in compliance with the TS EN 54-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	158,00	42,80

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.415.2000	<p><b>Conventional fire extinguishing control panel (Unit: Qty., Materials on construction site: 80%)</b></p> <p>The conventional fire extinguishing control panel shall be compatible with the connections of conventional optical smoke detectors, fixed temperature detectors, temperature increase rate detectors, optical smoke and temperature detectors, flame detectors, conventional internal and external fire alarm buttons, audible and visual alarm devices, and start extinguishing and stop extinguishing buttons. A three-state (automatic, manual, off) switch for fire extinguishing should be available on the conventional fire extinction control panel. In case of fire, only the fire alarm should activate if the alarm is issued by only one zone. If the alarm is issued by two zones, the extinguishing outlet should activate. The extinguishing outlet should be assigned a period of delay. A "start extinguishing" button should be available to start extinguishing and a "stop extinguishing" button should be available to pause or stop extinguishing. As standard, the fire extinction control panel should be equipped with min. 1 output for audible alarm as well as alarm and failure outputs for sending signals to a nearby fire station, a remote firefighting center or a fire lookout station.</p> <p>The conventional fire extinguishing control panel should continuously keep all lines entering the detection, extinction and alarm devices under control against such failures as broken lines, short circuit or removal of the devices on the line.</p> <p>The fire extinguishing control panel should have a master fire alarm and failure lamp, and individual alarm and failure lamps for each fire zone as well as local audible alarm component. The audible and visual alarm devices should operate intermittently during the countdown for extinguishing and continuously during the extinguishing operation. The control panel shall be equipped with a locking mechanism to prevent unauthorized access. The control panel shall be equipped with an internal memory that is capable of storing min. 500 events even in case of a power outage. It shall be possible to transfer the events kept in the memory to a computer or a printer. In case of mains power outage, the fire alarm system shall continue to perform detection functions for min. 24 hours, and be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period. The control panel shall be earthed for max. 5 ohm independently.</p> <p>The control panel shall be manufactured in compliance with the TS EN 54-2, TS EN 54-4 and TS EN 12094-1 standards, the Regulation (EU) No. 305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply, installation, and delivery in working order, including any small material and labor, of a conventional fire control panel as described in the relevant technical specifications.</p>		
35.415.2001	2 detection circuits and 1 extinction circuit	3.240,00	961,00
35.415.2002	3 detection circuits and 1 extinction circuit	3.560,00	1.010,00
35.415.2003	4 detection circuits and 1 extinction circuit	4.080,00	1.080,00
35.415.2004	4 detection circuits and 2 extinction circuits	5.230,00	1.440,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.415.2050	<p><b>Start extinguishing button (Unit: Qty., Materials on construction site: 60%)</b>                      Start extinguishing buttons should activate once the flexible, unbreakable glass and the button are pressed, and remain in that state until the button is reset by a switch. Fire alarm buttons should be yellow to be easily distinguishable and bear a word of alarm. The button shall be manufactured in compliance with the TS EN 12094-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply, installation, connection to fire alarm outlet lines, and delivery in working order, including any small material and labor, of start extinguishing buttons.</p>	105,00	23,50
35.415.2060	<p><b>Stop (pause) extinguishing button (Unit: Qty., Materials on construction site: 60%)</b>                      Stop extinguishing buttons should activate once the flexible, unbreakable glass and the button are pressed, and remain active as long as the button is pressed. Fire alarm buttons should be blue to be easily distinguishable and bear a word of warning. The button shall be manufactured in compliance with the TS EN 12094-3 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply, installation, connection to fire alarm outlet lines, and delivery in working order, including any small material and labor, of stop extinguishing buttons.</p>	105,00	23,50
<b>35.417.0000</b>	<b>FIBER OPTIC HEAT DETECTION SYSTEM</b>		
35.417.1000	<p><b>Smart analogue linear fiber optic heat detection cable control system: (Unit: Qty.)</b> Supply, transportation to the work site, including any small material, testing and delivering in working order of a detector, distribution, termination and connection boxes. The system uses an optical time domain reflectometer (OTDR) and Raman amplification. It will detect changes in temperature during a fire with a 1 C margin of error. It will then inform the user about these temperature changes, alarms and malfunctions within a minimum 8 km area with a 1 km margin of error. It can integrate with communication modules, and inform the user about control unit and sensor errors or downed electrical wires. It can cover an area up to 20,000 meters by connecting with fiber optic cables through one-, two- or four-channel options. It can define minimum 250 or 500 virtual fire zones, depending on its coverage area. It has minimum 40 dry contact outputs, and therefore can send fire zone information to the fire alarm control panel. It can send information to Scada systems with ModBus RS485 or ModBus TCP/IP outputs. It can ascribe special alarm threshold values by defining a rate of increase and a fixed temperature value for each virtual fire zone. It offers pre-alarm settings and password protection. It does not contain a cooling fan unit, and can continue to operate, detect fire and activate alarms even when fiber optic cables break. It uses an external 24 VDC (SMPS) switched-mode power supply. It must be released with an internationally-valid Approval Certificate based on TS EN 54-22 standard, and with a Declaration of Performance by the manufacturer.</p>		

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.417.1001	1-channel, 1x1000 m coverage area	120.600,00	265,00
35.417.1002	2-channel, 2x1000 m coverage area	127.900,00	265,00
35.417.1003	4-channel, 4x1000 m coverage area	139.100,00	265,00
35.417.1004	1-channel, 1x2000 m coverage area	143.100,00	265,00
35.417.1005	2-channel, 2x2000 m coverage area	147.600,00	265,00
35.417.1006	4-channel, 4x2000 m coverage area	157.400,00	265,00
35.417.1007	1-channel, 1x4000 m coverage area	176.000,00	265,00
35.417.1008	2-channel, 2x4000 m coverage area	201.200,00	265,00
35.417.1009	4-channel, 4x4000 m coverage area	226.400,00	265,00
35.417.1010	1-channel, 1x6000 m coverage area	231.600,00	265,00
35.417.1011	2-channel, 2x6000 m coverage area	256.800,00	265,00
35.417.1012	4-channel, 4x6000 m coverage area	282.100,00	265,00
35.417.1013	1-channel, 1x8000 m coverage area	258.100,00	265,00
35.417.1014	2-channel, 2x8000 m coverage area	283.300,00	265,00
35.417.1015	4-channel, 4x8000 m coverage area	308.600,00	265,00
35.417.1016	1-channel, 1x10000 m coverage area	284.600,00	265,00
35.417.1017	2-channel, 2x10000 m coverage area	309.800,00	265,00
35.417.1018	4-channel, 4x10000 m coverage area	335.100,00	265,00
35.417.1200	<p><b>Plastic linear fiber optic cable standard temperature sensor: (Unit: Qty.)</b> Supply, transportation to the work site, including any small material, testing and delivery in working order of the fiber optic sensor cable. The halogen-free, flame-retardant LSZH thermoplastic cable will include two MultiMode 50/125 µm or 62.5/125 µm fibers. It must be resistant against outdoor conditions. It must have a flexible structure with an external diameter of 4 mm. It must have a minimum crushing strength of 100 N/cm, breaking strength of 500 N, and operate in temperatures between -30 C and 80 C. It will be directly connected to the control unit with the Unit Price No. 35.417.1000 via pigtails. It will be manufactured in accordance with TS EN54-22, IEC 60331-25, IEC 620332-1/2/3-24, and EN 18700 standards, and must be accompanied by a Declaration of Performance by the manufacturer.</p>	11,00	3,45
35.417.1300	<p><b>Plastic linear fiber optic cable standard temperature sensor in a steel pipe: (Unit: Qty.)</b> Supply, transportation to the work site, including any small material, testing and delivery in working order of the fiber optic sensor cable. The steel pipe will include two MultiMode 50/125 µm or 62.5/125 µm fibers. It will be resistant against outdoor conditions and external impacts. It will have an external diameter of 4 mm, and operate in temperatures between -40 C and 85 C. It will be directly connected to the control unit with the Unit Price No. 35.417.1000 via pigtails. It will be manufactured in accordance with TS EN 54-22, IEC 60332-3, IEC 60331-25, IEC 620332-1/2/3-24, EN18700 standards, and must be accompanied by a Declaration of Performance by the manufacturer.</p>	23,30	3,45

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.420.0000	<b>GAS CONTROL SYSTEMS</b>		
35.420.1000	<p><b>Addressable Combined CO-NO-NO2 Gas Control Panel (Unit: Qty.)</b>                      The device shall offer an alarm threshold level and gas alarm zones that comply with the standards of the combined gas control panels which are used in indoor parks and tunnels, operate concurrently with CO (carbon monoxide), NO (nitrogen oxide), NO2 (nitrogen dioxide) gas detectors, and control electromechanical jet fan or gas/ smoke discharge systems for detecting and discharging gases. The panel shall be equipped with central error and gas alarm relay outputs as well as relay outputs for each zone at each detection level. It shall be included in the gas discharge automation by relay output required for each zone. It shall allow monitoring and directing of the operating status data on its integrated display. It shall be possible to make the necessary settings and configurations using the Turkish menu. The gas control panel shall always check all lines entering the detection and alarm devices against such problems as broken lines, short circuits and removal of the devices on the line. The control panel can be switched to the alarm state, the alarm state can be canceled and the system can be reset using the remote control inputs of the control panel. The gas alarm system shall continue to perform its functions for min. 24 hours in case of mains power outage, be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period, and powered by a power supply manufactured in compliance with the TS EN 54-4 standard and Regulation (EU) No.305/2011 Construction Products - CPR. The panel shall be in compliance with the 2014/35/EU Low Voltage Directive and TS EN 50545-1 standard, released with the CE compliance marking, and the manufacturer shall be certified for a declaration of performance. The panel shall be supplied, transported to the work site, installed, connected, tested and adjusted, including any material and labor.</p>		
35.420.1001	Single-loop	2.730,00	450,00
35.420.1002	2-loop	3.310,00	541,00
35.420.1050	<p><b>Addressable electrochemical carbon monoxide (CO) gas detector (Unit: Qty.)</b>                      Transportation to the work site, installation, connection to gas alarm outlet lines, testing and adjustment, and delivery in working order, including any material and labor, of the device that operates by connecting to the gas control panel, has a carbon monoxide measuring range of 0 to 300 ppm, a supply voltage of 24 V DC, a sensor lifeloop of min. 2 years, an operation indicator LED, which is in compliance with TS EN 50545-1, manufactured by a company certified for compliance with the ISO 9001 Quality Management System, released with the CE compliance marking and certified with the manufacturer's declaration of performance.</p>	492,00	121,00



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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.420.1100	<p><b>Addressable Nitrogen Dioxide (NO2) gas detector (Unit: Qty.)</b>                      Transportation to the work site, installation, connection to gas alarm outlet lines, testing and adjustment, and delivery in working order, including any material and labor, of the device that operates by connecting to the gas control panel, has a nitrogen dioxide measuring range of 0 to 30 ppm, a supply voltage of 24 V DC, a sensor lifelooop of min. 2 years, an operation indicator LED, which is in compliance with TS EN 50545-1, manufactured by a company certified for compliance with the ISO 9001 Quality Management System, released with the CE compliance marking and certified with the manufacturer's declaration of performance.</p>	919,00	82,00
35.420.1150	<p><b>Addressable LPG - Natural Gas (Methane - CH4) gas panel (Unit: Qty.)</b>                      The device shall offer an alarm threshold level and gas alarm zones that comply with the standards of conventional combined gas control panels, operate concurrently with gas detectors that detect explosive gases, LPG and Natural Gas (Methane-CH4), and control electromechanical jet fan or gas/smoke discharge systems for detecting and discharging gases. The panel shall be equipped with central error and gas alarm relay outputs as well as relay outputs for each zone at each detection level. It shall be included in the gas discharge automation by relay output required for each zone. It shall allow monitoring and directing of the operating status data on its integrated display. It shall be possible to make the necessary settings and configurations using the Turkish menu. This menu shall allow to perform such functions as selecting locked or unlocked gas alarms, assigning input delay to the zones, assigning output delays to the sirens, testing the zones, disabling error relays, alarm zones and internal sirens, and monitoring the status of such actions. Access levels shall be password-protected. The gas control panel shall continuously keep all lines entering the detection and alarm devices under control against such failures as broken lines, short circuit or removal of the devices on the line. The control panel shall be able to start, cancel alarms and reset the system by means of its remote control inputs. The gas alarm system shall continue to perform its functions for min. 24 hours in case of mains power outage, be equipped with enclosed, sealed, maintenance-free accumulators to ensure that the functions of alarm, control and communication remain enabled for min. 30 minutes at the end of the said period, and powered by a power supply manufactured in compliance with the TS EN 54-4 standard and Regulation (EU) No.305/2011 Construction Products - CPR.                      The panel shall be in compliance with the 2014/35/EU Low Voltage Directive, released with the CE compliance marking, and the manufacturer shall be certified for a declaration of performance. The panel shall be supplied, transported to the work site, installed, connected, tested and adjusted, including any material and labor.</p>	3.020,00	510,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.420.1200	<p><b>Addressable LPG gas detectors (Unit: Qty.)</b>                      It shall detect LPG and once the gas level has reached 20% of LEL (lower explosion limit), it shall sound an 85-dB alarm. The addressable explosive gas detector shall be controlled by a microprocessor. Minimum three LEDs shall be available on the detector for visibility from a distance. It shall indicate whether the system is online, or in alarm or error state. Function tests of the LEDs and the internal siren shall be run by the test button on the detector. The detector shall operate by external 24 V DC supply voltage.</p> <p>It shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are not included in the unit price). Supply, transportation to the work site, testing and delivery, including any small material, of the detector manufactured per TS EN 50194-1, released with the CE compliance marking, and certified with the manufacturer's declaration of performance.</p>	322,00	82,00
35.420.1250	<p><b>LPG gas detectors (Unit: Qty.)</b>                      The detector shall sound an 85-dB alarm if 20% LEL (lower explosion limit) of LPG is detected, automatically restore to the normal running state once the level of LPG in the environment has dropped below the lower explosion limit, and be equipped with min. 3 LEDs for visibility from a distance. It shall indicate whether the system is online, or in alarm or error state. Function tests of the LEDs and the internal siren shall be run by the test button on the detector. Supply, transportation to the work site, installation, connection to the gas alarm outlet lines, testing and adjustment, and delivery in working order, including any material and labor, of a detector with 220 V AC or 24 V DC supply voltage, in compliance with TS EN 50194-1 and released with the CE compliance marking. If the device is used as 24 V DC, a switch-mode power supply (SMPS) unit with the item number 35.410.6000 shall be used and the power supply shall not be included in the unit price.</p>	216,00	21,60
35.420.1300	<p><b>Addressable natural gas detectors (Unit: Qty.)</b>                      It shall detect natural gas and once the gas level has reached 20% of LEL (lower explosion limit), it shall sound an 85-dB alarm. The addressable natural gas detector shall be controlled by a microprocessor. Minimum three LEDs shall be available on the detector for visibility from a distance. It shall indicate whether the system is online, or in alarm or error state. Function tests of the LEDs and the internal siren shall be run by the test button on the detector. The detector shall operate by external 24 V DC supply voltage.</p> <p>The module shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are not included in the unit price). Supply, transportation to the work site, testing and delivery, including any small material, of the detector manufactured per TS EN 50194-1, released with the CE compliance marking, and certified with the manufacturer's declaration of performance.</p>	322,00	82,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.420.1350	<p><b>Natural gas detectors (Unit: Qty.)</b>                      It shall detect natural gas and sound an 85-db alarm. Minimum three LEDs shall be available on the detector for visibility from a distance, and indicate if the system is on-line or in alarm or error state.                      It shall be possible to test the functionality of the LEDs and the internal siren on the detector. It shall operate with a supply voltage of 220 V AC or 12/24 V DC. The module shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are not included in the unit price). Supply, transportation to the work site, testing and delivery, including any small material, of the detector manufactured per TS EN 50194-1, released with the CE compliance marking, and certified with the manufacturer's declaration of performance.</p>	216,00	21,60
35.420.1400	<p><b>Addressable carbon monoxide gas detector (Unit: Qty.)</b>                      It shall detect carbon monoxide and alarm at two different levels of gas. The first alarm shall sound at 100 ppm, and the second alarm at 200 ppm. The alarm volume shall be 85 dB. The module shall be equipped with a dry-contact output for each alarm level. The addressable carbon monoxide gas detector shall be controlled by a microprocessor. Minimum three LEDs shall be available on the detector for visibility from a distance. It shall indicate whether the system is online, or in alarm or error state. Function tests of the LEDs and the internal siren shall be run by the test button on the detector. The detector shall operate by external 24 V DC supply voltage. It shall be powered by a 24 V DC switch-mode power supply (SMPS). (The battery and SMPS are not included in the unit price). It shall be connected to the loop cable of a smart, analogue, addressable loop cable. Supply, transportation to the work site, and delivery in working order, of a detector manufactured by a company that complies with the TS EN 50291-1 standard and is awarded ISO 9001 Quality Management System certificates.</p>	468,00	25,80
35.420.1450	<p>Carbon monoxide gas detector (Unit: Qty.)                      It shall detect carbon monoxide and sound a 85-db alarm. Minimum three LEDs shall be available on the detector for visibility from a distance, and indicate if the system is on-line or in alarm or error state. It shall be possible to test the functionality of the LEDs and the internal siren on the detector. It shall operate with a supply voltage of 220 V AC or 12/24 V DC. The module shall be powered by a 24 V DC switching-mode power supply (SMPS) described in the item 35.410.6000 (The battery and SMPS are not included in the unit price). Supply, transportation to the work site, testing and delivery, including any small material, of the detector manufactured per TS EN 50291-1, released with the CE compliance marking, and certified with the manufacturer's declaration of performance.</p>	447,00	25,50

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.420.2000	<p><b>Industrial combined gas alarm control panel (Unit: Qty., Materials on construction site: 80%)</b></p> <p>The industrial gas control panel should be designed to assess the measurements received from the gas detectors and sound an alarm. The panel's capacity should be scalable. Fire ducts should have a regular detector line outlet and a detector line outlet protected by a zener barrier in case the fire detectors are used in such zones where there is a risk of explosion. The industrial gas control panel should be equipped with a backlit, alphanumeric, large LCD display that indicates system details, detector locations and all gas levels simultaneously. It should indicate the type of measurement (ppm, % LEL, % VOL) on the same display depending on the type of the gas detector. It should be equipped with buttons for all system processes and maintenance functions, warning lights for alarm and fault details, and a min. 85-dB internal siren.</p> <p>The gas ducts should be adjustable for alarming at two different levels (high and low). Low and high alarm relay and error relay outputs should be available for each duct. Depending on the gas level on the gas detector, 4 - 20 mA or 1-5 V analog outputs should be available for each gas duct.</p> <p>A RS485 Modbus output should be available for monitoring and control through DCS/SCADA/PLC systems. The industrial type should keep the latest events indicating the alarms, errors and system interventions in its memory. Its software should give access the records on the memory from any computer. The control panel should be resettable from an external location by a switch. The device should be of IP 54 protection class. The panel should issue a warning when calibration is required and all inputs and outputs should be tested easily at the push of a button. The industrial combined gas alarm control panel shall be manufactured in compliance with the standards TS EN 50270 and TS EN 61010-1, and 2014/35/EU Low Voltage Directive (LVD), and released with the CE compliance marking. Supply, transportation to the work site, testing and delivery in working order, including any small material, of industrial combined gas alarm control panels.</p>		
35.420.2001	1 duct	8.960,00	1.180,00
35.420.2002	2 ducts	9.810,00	1.300,00
35.420.2003	3 ducts	10.640,00	1.420,00
35.420.2004	4 ducts	11.520,00	1.660,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.420.2050	<p><b>Flame-proof infrared (IR) gas detector (Unit: Qty., Materials on construction site: 60%)</b>                      Flame-proof infrared (IR) gas detector shall detect hydrocarbon gases by absorption of infrared light, and explosive gases should be detected at 0 to 100% LEL. Instant reaction time should be shorter than 3 seconds at T90 and repeatability should be max. 2% FSD. The housing of the flame-proof infrared (IR) gas detector should be coated with LM aluminum alloy and polyester powder. The detector should operate perfectly up to 90% blockage. It should be able to issue a drift warning if the optical (mirror) assembly gets 75% dirty. The system should be equipped with a heating component to prevent evaporation. Calibration by a single person should be possible by an infrared output and intrinsically safe connection where there is a hazard of explosion. The detector should have RS-485 and 4/20 mA signal outputs for communication. Light indicators on the flame-proof, infrared (IR) gas detector should indicate normal operation, error and gas alarm states by different colors (green, yellow, red) of lights. The MTBF (mean time between failures) should be min. 10 years. Min. IP 66 protection class should be offered. It should be possible to connect the item to the combined gas alarm control panel. It should fulfill the flame-proof infrared (IR) gas detector standards. It should be in compliance with the Directive of Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres (2014/34/EU), the Electromagnetic Compatibility Directive 2014/30/EU, the TS EN 60079-0 standard, certified for EEx d II C T6 approvals, manufactured in compliance with the standards TS EN 50270, and TS EN 61000-6-4 on RF emission, bearing the manufacturer's declaration of performance and the CE compliance marking. Supply to the work site, and delivery in working order, including any small material, of flame-proof infrared (IR) gas detectors.</p>	7.780,00	1.120,00
35.420.2100	<p><b>The flame-proof infrared (IR) flame detector (Unit: Qty.; Materials on Construction Site 60%)</b>                      The flame-proof infrared (IR) flame detector should be designed to detect flame and respond quickly, and to be unaffected by the impurities, grease and dust in the environment where it is used. The flame-proof IR flame detector should be equipped with 3 IR sensors and check the information received from those 3 sensors to eliminate the risk of false alarm. The flame-proof IR flame detector should give a signal within max. 2 seconds if a flame start to burn in the relevant area, and it should be designed to set this delay up to 30 seconds upon the user's request. The flame-proof IR flame detector should detect sudden flashes of flame in 90° vertical and 90° horizontal axes. The IR flame detector should have 4-20 mA output. It should give normal status, error and alarm information with this output. It must be able to provide information on alarms, malfunctions and impurities via contact outputs. It must have 2A alarm and error relay contact at 30 VDC or 5A at 250 VAC. The MTBF (mean time between failures) should be min. 100,000 hours. The device should be of IP 66 protection class or above. It should be connected to the industrial combined gas alarm control panel, and to the addressable fire alarm control panel through the intrinsically-safe zone control module. The flame-proof infrared (IR) flame detector should fulfill the standards of FM, NFPA, class I Div. 1 Groups B, C &amp; D, NFPA class II Div. 1 Groups E, F &amp; G and CENELEC EExd II B TS. It must be manufactured by a company that is awarded ISO 9001 Quality Management System certificates. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of flame-proof infrared (IR) flame detectors manufactured in compliance with the TS EN 54-10 standard, the Regulation (EU) No. 305/2011 Construction Products, and released with a CE marking, with a Declaration of Performance by the manufacturer and a Performance Stability Certificate issued by an organization accredited by the European Union.</p>	10.240,00	1.120,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.420.2150	<p><b>Automatic gas and power cutoff device that detects earthquakes (Unit: Qty, Materials on construction site: 60%)</b>                      Supply, transportation to the work site, connection, and delivery in working order, including any material and labor, of a device in compliance with TS 12884 and bearing the CE compliance marking, with microprocessor control and overload protection relay outputs, sensors that monitor momentum in two axes, and a rechargeable battery and charging circuit that gives audible and visible warnings and supplies power to the system during a power outage of min. 24 hours, which detects the seismic motions with the momentum specified in TS standards during an earthquake and generate control signals to automatically cut off the building's power supply as well as the gas supply lines of the devices that burn combustible and flammable gases such as natural gas / LPG, disables power generators and prevents them from automatically stepping in during a power outage, switches elevators to the emergency mode, makes them stop on the nearest floor and open their doors to ensure quick evacuation, automatically disables other electric devices that may be hazardous during an earthquake, minimizes post-earthquake damages, tests itself when powered or reset, is not affected by small shocks that are not caused by earthquakes, allows monitoring of operation and failure on the device (by means of LEDs/displays/LCD screens, etc.), and operates in coordination with the existing security systems and sensors installed in the building. NOTE: The electric solenoid valve to be used for cutting off gas shall be paid separately per the relevant items.</p>	697,00	258,00
<b>35.430.0000</b>	<b>EMERGENCY PUBLIC ADDRESS SYSTEMS</b>		
35.430.1000	<p><b>Emergency Digital Public Address System Control Unit</b>                      The system control unit should operate with digital signal processing technology and communicate on the network. It should allow the systems of different buildings to be controlled from a single location and operate as a single system. The system control unit should supervise all speaker lines against short and open circuit problems. The system control unit should be able to make announcements to minimum 8 zones and be scalable to min. 200 zones by means of additional units. It should be able to record messages in CD quality and have a monitorable memory. It should be possible to assign priority to announcements. It should have min. 8 contact inputs for emergency and automatic announcements with the ability to broadcast messages alternately with each of them. A hand-held microphone should be available on the control unit for use during emergency. It should be possible to connect minimum 4 public address microphones to the system. The cable distance between the public address microphones and the center should be extendable to 300 meters. The system control unit should have a monitorable 24 V DC trigger output for each zone. Local audio setting units should be turned on using these outputs even if they are turned off. The control unit shall be powered by a power supply that fulfill the technical specifications provided in the item 35.430.1330 and comply with TS EN 54-4. The power supply shall not be included in the unit price. System control unit equipment shall be manufactured in compliance with the TS EN 54-16 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, installation, testing and delivery, including any small material, of an emergency digital public address system control unit including expansion units for more than 8 zones.</p>		
35.430.1001	Emergency public address system control unit, min. 8 zones	10.030,00	788,00
35.430.1002	Emergency public address system control unit, min. 16 zones	18.900,00	1.490,00
35.430.1003	Emergency public address system control unit, min. 24 zones	24.590,00	1.950,00
35.430.1004	Emergency public address system control unit, min. 32 zones	30.380,00	2.390,00
35.430.1005	Emergency public address system control unit, min. 40 zones	36.150,00	2.850,00

### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.430.1100</b>	<p><b>Emergency Digital Public Address Call Station</b>                      The Emergency Public Address Call Station should be desktop type and used to address desired zones. Priority levels, and pre-announcement and post-announcement warning tones of the Emergency Public Address Call Station shall be customizable. The emergency public address station shall be controlled by buttons or a touch screen. The emergency public address station shall be manufactured in compliance with the TS EN 54-16 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. Supply to the work site, installation, and delivery in working order, including any small material, of the digital emergency public address station.</p>		
35.430.1101	Emergency digital public address call station, min. 8 zones	2.960,00	271,00
35.430.1102	Emergency digital public address call station, min. 16 zones	3.120,00	285,00
35.430.1103	Emergency digital public address call station, min. 24 zones	3.300,00	302,00
35.430.1104	Emergency digital public address call station, min. 32 zones	3.450,00	315,00
35.430.1105	Emergency digital public address call station, min. 40 zones	3.620,00	332,00
<b>35.430.1200</b>	<p><b>Power Amplifiers</b>                      Power Amplifiers shall be determined according to the relevant power requirement, and comply with the 19" rack installation standard. A temperature-controlled fan should be available on the amplifier.                      The amplifier should be protected against short circuit and overload. The amplifier should be equipped with a 70 V in addition to 100 V power output. The power amplifiers shall be powered by a power supply that fulfill the technical specifications provided in the item 35.430.1330 and comply with TS EN 54-4. The power supply shall not be included in the unit price. Transportation to the work site, installation, testing, and delivery in working order, including any small material, of power amplifiers manufactured in compliance with the TS EN 54-16 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.430.1201	120 W (rms) Power Amplifier	2.780,00	217,00
35.430.1202	240 W (rms) Power Amplifier	4.850,00	317,00
35.430.1203	300 W (rms) Power Amplifier	5.190,00	341,00
35.430.1204	400 W (rms) Power Amplifier	5.470,00	430,00
35.430.1205	500 W (rms) Power Amplifier	5.680,00	520,00
35.430.1206	4 x 125 W (rms) Power Amplifier	6.840,00	627,00
35.430.1207	2 x 500 W (rms) Power Amplifier	9.620,00	880,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.430.1300	<p>Remote Controllers and Firefighter Panel for the Emergency Public Address System</p> <p>Remote controller equipment shall be used to transfer the front and back sides of controllers and routers to a remote location. It should be possible to enter and confirm an emergency, troubleshoot, and reset an emergency on the firefighter panel. It should be possible to connect the remote control panels and firefighter panel to the controllers and routers at the system center by a CAT-5 cable. The power amplifiers shall be powered by a power supply that fulfill the technical specifications provided in the item 35.430.1330 and comply with TS EN 54-4. The power supply shall not be included in the unit price. Transportation to the work site, installation, testing, and delivery in working order, including any small material, of emergency public address system remote controllers and firefighter panel manufactured in compliance with the TS EN 54-16 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	3.050,00	318,00
35.430.1310	<p><b>Ceiling Speaker</b></p> <p>The speaker should be equipped with a transformer and can be driven by 6 W, 3 W, 1.5 W and 0.75 W. A support box to be mounted on the back of the speaker should protect the speaker from dust and dripping water. The Ceiling Speaker should be in compliance with TS EN 54-24 and released with the CE compliance marking. The speaker should be equipped with a threaded terminal block, a thermal fuse and a heat-resistant high-temperature connection. Maximum power shall be min. 9 W (nominal 6/3/1.5/0.75). The sound pressure at 6 W shall be min. 90 dB which shall be expressly declared by the manufacturer in the product data sheet. Transportation to the work site, installation, testing, and delivery in working order, including any small material, of ceiling speakers manufactured in compliance with the TS EN 54-24 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	127,00	13,30
35.430.1320	<p><b>Wall Speaker</b></p> <p>The speaker should be equipped with a transformer and can be driven by 6 W, 3 W, 1.5 W and 0.75 W The speaker should be made of a metallic material. The sound pressure at 6 W shall be min. 90 dB which shall be expressly declared by the manufacturer in the product data sheet. Transportation to the work site, installation, testing, and delivery in working order, including any small material, of wall speakers manufactured in compliance with the TS EN 54-24 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>	222,00	23,20



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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.430.1330</b>	<p><b>Power supply unit (TS EN 54-4)</b>                      The power supply unit shall have the voltage required for the device that it will power and the output power specified in the relevant item. The power supply unit shall continuously check itself and be able to detect such errors as earthing, battery, fuse and 220 V AC mains supply outages or fuse malfunctions. It shall be equipped with a dry-contact relay that reports errors as well as overcurrent, short circuit protection and automatic fuse protection. The power supply shall check the presence of a battery, charging loop time and low voltage status of the battery and report errors. The battery temperature shall be measured by a thermistor and battery charging current shall be set automatically so that the batteries used in the power supply last longer. Supply, transportation to the work site, testing, and delivery in working order, including any small material, of power supply units including batteries manufactured in compliance with the TS EN 54-4 standard, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, with the manufacturer awarded a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.430.1331	Power supply unit; 55 Ah	7.940,00	521,00
35.430.1332	Power supply unit; 100 Ah	8.540,00	610,00
	<b>EMERGENCY LIGHTING FIXTURES</b>		
<b>35.440.1000</b>	<p><b>Emergency lighting fixture (with fluorescent lamp) (Unit: Qty., Materials on construction site: 60%)</b>                      Supply, transportation to the work site and installation of emergency lighting fixtures with special profile made of iron sheet or aluminum and 1 x 8 W fluorescent bulb, with the ones that activate in case of power outage automatically stepping in during mains voltage outage, and the continuously active ones being active when the mains voltage is available and connected by a special, slip-in socket that automatically steps in and provides light as long as the determined emergency operating time in case of mains voltage outage, including a dry-type, high-temperature-resistant, maintenance-free nickel cadmium battery that can run continuously at 70°C, an electronic lamp supply, battery charge and transfer circuit, battery low voltage and over-discharge protection circuits, battery charge lamps and matte or transparent plexiglass; which shall be manufactured to comply with the Restriction of the Use of Certain Hazardous Substances Directive, the standards TS EN 60598-2-22, TS ISO 3864-1/2, TS EN ISO 7010, TS EN 60598-1, TS EN 60598-2-22, TS EN 1838 and TS EN 50172, 2014/35/AB Low Voltage Directive, and released with the CE compliance marking.                      Note: The items shall have undergone type tests.</p>		
35.440.1001	Surface-mounted emergency lighting fixture (with fluorescent lamp) that operates for 1 hour in case of power outage	128,00	9,65
35.440.1002	Surface-mounted emergency lighting fixture (with fluorescent lamp) that operates for 2 hours in case of power outage	146,00	9,65
35.440.1003	Surface-mounted emergency lighting fixture (with fluorescent lamp) that operates for 3 hours in case of power outage	153,00	9,65
35.440.1004	Flush-mounted emergency lighting fixture (with fluorescent lamp) that operates for 1 hour in case of power outage	215,00	14,40

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.440.1005	Flush-mounted emergency lighting fixture (with fluorescent lamp) that operates for 2 hours in case of power outage	239,00	16,90
35.440.1006	Flush-mounted emergency lighting fixture (with fluorescent lamp) that operates for 3 hours in case of power outage	247,00	16,90
35.440.1007	Surface-mounted emergency lighting fixture (with fluorescent lamp) with 1-hour timer, which shall be continuously on	158,00	9,65
35.440.1008	Surface-mounted emergency lighting fixture (with fluorescent lamp) with 2-hour timer, which shall be continuously on	178,00	12,10
35.440.1009	Surface-mounted emergency lighting fixture (with fluorescent lamp) with 3-hour timer, which shall be continuously on	186,00	12,10
35.440.1010	Flush-mounted emergency lighting fixture (with fluorescent lamp) with 1-hour timer, which shall be continuously on	202,00	33,70
35.440.1011	Flush-mounted emergency lighting fixture (with fluorescent lamp) with 2-hour timer, which shall be continuously on	229,00	39,60
35.440.1012	Flush-mounted emergency lighting fixture (with fluorescent lamp) with 3-hour timer, which shall be continuously on	310,00	51,50
<b>35.440.1100</b>	<p><b>Emergency directional lights (with fluorescent lamp) (Unit: Qty., Materials on construction site: 60%)</b></p> <p>Supply, transportation to the work site and installation of single-side or two-side emergency directional lighting fixtures with special profile made of iron sheet or aluminum and 1 x 8 W fluorescent bulb, with the ones that activate in case of power outage automatically stepping in during mains voltage outage, and the continuously active ones being active when the mains voltage is available and connected by a special, slip-in socket that automatically steps in and provides light as long as the determined emergency operating time in case of mains voltage outage, including a dry-type, high-temperature-resistant, maintenance-free nickel cadmium battery that can run continuously at 70°C, an electronic lamp supply, battery charge and transfer circuit, battery low voltage and over-discharge protection circuits, battery charge lamps and matte or transparent plexiglass; which shall be manufactured to comply with the standards related to the color and sign formats, the Restriction of the Use of Certain Hazardous Substances Directive, the Regulation on Fire Protection of Buildings, the standards TS ISO 3864-1/2, TS ISO 7010, TS EN 60598-1, TS EN 60598-2-22, TS EN 1838 and TS EN 50172, 2014/35/AB Low Voltage Directive, and released with the CE compliance marking.</p>		
35.440.1101	Emergency directional light fixture (with fluorescent lamp) with a single side, which operates for 1 hour in case of a power outage.	132,00	9,65
35.440.1102	Emergency directional light fixture (with fluorescent lamp) with a single side, which operates for 2 hours in case of a power outage.	153,00	9,65
35.440.1103	Emergency directional light fixture (with fluorescent lamp) with a single side, which operates for 3 hours in case of a power outage.	161,00	12,10
35.440.1104	Emergency directional light fixture (with fluorescent lamp) with two sides, which operates for 1 hour in case of a power outage.	178,00	12,10
35.440.1105	Emergency directional light fixture (with fluorescent lamp) with two sides, which operates for 2 hours in case of a power outage.	195,00	12,10
35.440.1106	Emergency directional light fixture (with fluorescent lamp) with two sides, which operates for 3 hours in case of a power outage.	204,00	14,40
35.440.1107	Emergency directional light fixture (with fluorescent lamp) with a single side and a 1-hour timer, which operates continuously.	166,00	12,10

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.440.1108	Emergency directional light fixture (with fluorescent lamp) with a single side and a 2-hour timer, which operates continuously.	183,00	12,10
35.440.1109	Emergency directional light fixture (with fluorescent lamp) with a single side and a 3-hour timer, which operates continuously.	198,00	12,10
35.440.1110	Emergency directional light fixture (with fluorescent lamp) with a two sides and a 1-hour timer, which operates continuously.	202,00	14,40
35.440.1111	Emergency directional light fixture (with fluorescent lamp) with a two sides and a 2-hour timer, which operates continuously.	213,00	14,40
35.440.1112	Emergency directional light fixture (with fluorescent lamp) with a two sides and a 3-hour timer, which operates continuously.	227,00	14,40
<b>35.440.1200</b>	<p><b>Emergency Lighting Kits (Unit: Qty., Materials on construction site: 60%)</b>                      Supply to the work site, and delivery in working order, including any material and labor, of emergency lighting kits with a minimum ballast/lumen factor of 0.2 and selected conversion units manufactured in compliance with the standards TS EN 61347-2-7 and TS EN 60598-2-22, which shall be installed on the fixtures to ensure that the fixtures in required zones keep operating in emergency, made up of a high-temperature Ni-cd battery, charging unit and status LED, and compatible with electronic ballast.</p>		
35.440.1201	For 20 W, 4-pin fluorescent lamps, with 1-hour operating period,	90,00	7,25
35.440.1202	For 20 W, 4-pin fluorescent lamps, with 3-hour operating period,	153,00	7,25
35.440.1203	For 65 W, 4-pin fluorescent lamps, with 1-hour operating period,	96,50	7,25
35.440.1204	For 65 W, 4-pin fluorescent lamps, with 3-hour operating period,	166,00	7,25
35.440.1205	For 26 W, 2-pin fluorescent lamps, with 1-hour operating period,	77,00	7,25
35.440.1206	For 26 W, 2-pin fluorescent lamps, with 3-hour operating period,	136,00	7,25
35.440.1207	For 20 W, halogen lamps, with 1-hour operating period,	162,00	7,25
35.440.1208	For 20 W, halogen lamps, with 3-hour operating period,	254,00	7,25
35.440.1209	For 50 W, halogen lamps, with 1-hour operating period,	194,00	7,25
35.440.1210	For 50 W, halogen lamps, with 3-hour operating period,	300,00	7,25
<b>35.440.2000</b>	<p><b>Emergency LED lighting fixture (Unit: Qty.)</b>                      Supply, transportation to the work site, and installation of an emergency lighting fixture with a special sheet iron profile, LED light source, with the ones that activate in case of power outage automatically stepping in during mains voltage outage, and the continuously active ones being active when the mains voltage is available and connected by a special, slip-in socket that automatically steps in and provides light as long as the determined emergency operating time in case of mains voltage outage, including a dry-type, high-temperature-resistant, maintenance-free nickel cadmium battery that can run continuously at 70°C, battery low voltage circuit, over-discharge protection circuits, and battery charge lamp, and matte or transparent plexiglass; which shall be manufactured to comply with the Restriction of the Use of Certain Hazardous Substances Directive, the Regulation on Fire Protection of Buildings, the standards TS ISO 3864-1 /2, TS EN ISO 7010, TS EN 60598-2-22, TS EN 1838, TS EN 50172, and TS EN 60598-2-22, and 2014/35/EU Low Voltage Directive, and released with the CE compliance marking.</p>		
35.440.2001	Surface-mounted emergency lighting fixture that operates for an hour in case of outage (LED, provides min. 130 lm of light for 1 hour)	206,00	9,65

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.440.2002	Surface-mounted emergency lighting fixture that operates for 3 hours in case of outage (LED, provides min. 130 lm of light for 3 hours)	211,00	9,65
35.440.2003	Flush-mounted emergency lighting fixture that operates for an hour in case of outage (LED, provides min. 130 lm of light for 1 hour)	218,00	9,65
35.440.2004	Flush-mounted emergency lighting fixture that operates for 3 hours in case of outage (LED, provides min. 130 lm of light for 3 hours)	222,00	9,65
35.440.2005	Surface-mounted emergency lighting fixture with 1-hour timer that operates continuously (LED, provides min. 130 lm of light for 1 hour)	212,00	9,65
35.440.2006	Surface-mounted emergency lighting fixture with 3-hour timer that operates continuously (LED, provides min. 130 lm of light for 3 hours)	217,00	9,65
35.440.2007	Flush-mounted emergency lighting fixture with 1-hour timer that operates continuously (LED, provides min. 130 lm of light for 1 hour)	224,00	9,65
35.440.2008	Flush-mounted emergency lighting fixture with 3-hour timer that operates continuously (LED, provides min. 130 lm of light for 3 hours)	228,00	9,65
<b>35.440.2100</b>	<b>Emergency LED directional lighting fixture</b> Supply, transportation to the work site, and installation, of a single-side or double-side directional fixture complying with the standards related to color and sign formats, the Restriction of the Use of Certain Hazardous Substances Directive, the Regulation on Fire Protection of Buildings, the standards TS ISO 3864-1 /2, TS ISO 7010, TS EN 1838, TS EN 50172, and TS EN 60598-2-22, and 2014/35/EU Low Voltage Directive, and released with the CE compliance marking.		
35.440.2101	Emergency directional light fixture (with LED) with a single side, which operates for 1 hour in case of a power outage.	186,00	9,65
35.440.2102	Emergency directional light fixture (with LED) with a single side, which operates for 3 hours in case of a power outage.	218,00	9,65
35.440.2103	Emergency directional light fixture (with LED) with two sides, which operates for 1 hour in case of a power outage.	192,00	9,65
35.440.2104	Emergency directional light fixture (with LED) with two sides, which operates for 3 hours in case of a power outage.	218,00	9,65
<b>35.440.2200</b>	<b>Emergency Lighting Fixtures (portable) (Unit: Qty.)</b> Supply to the work site and delivery in working order of a standalone and portable lighting fixture for emergency use and in compliance with TS EN 60598-2-22, with an operating temperature range of 0 to 40°C, min. IP 40 protection class, and a capacity to provide illumination for the specified period, which shall be equipped with a sealed, dry-type, fully maintenance-free, lead-acid battery, a charging circuit, supply voltage controller and lamp driver circuit		
35.440.2201	2 x 9 W, LED, 3 hours of operation	306,00	
35.440.2202	2 x 15 W, LED, 3 hours of operation	372,00	

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.450.0000	<p><b>HALL SOUND SYSTEMS: (Unit: Qty., Materials on construction site: 60%)</b>                      The devices here shall comply with the annexed standards (TS 7370 IEC 50-161, TS EN 61672-1, TS 9712 HD 369.18 S1, TS EN 60268-3, TS 5989, TS 6024, TS 6331, TS EN 60268-7, TS 6505, TS 4376, TS 6506, TS 6509, TS EN 60268-4, TS 6537, TS 6538, TS 6539, TS EN 61305-3, TS 6665, TS 6909, TS 6910, TS 6024, TS EN 61938, TS 5989, TS 8063, TS 9712 HD 369.18 S1, TS EN 61672-1, CE Marking Decision (768/2008/EC) and RS 422 Electromagnetic Compatibility Directive (2004/108/EC), and Low Voltage Directive (2014/35/EU)).</p>		
35.450.1000	<p><b>AUDIO CONTROL AND RECORDING MIXERS: (Unit: Qty., Materials on construction site: 60%)</b>                      Delivery in working order, including any small material and labor, of an operator audio control mixer used for audio broadcast and control with the number of channels with high input capacity and stereo equalizer, mono and stereo inputs, aux output, recording outputs with faders, and digital effects, and a switched audio mixer with automatic voltage selecting power supply. Other values shall be interpolated.</p>		
35.450.1001	12-channel Audio Mixer	1.760,00	101,00
35.450.1002	16-channel Audio Mixer	2.130,00	124,00
35.450.1003	24-channel Audio Mixer	3.120,00	135,00
35.450.1004	32-channel Audio Mixer	6.810,00	179,00
35.450.1100	<p><b>GRAPHIC EQUALIZER: (Unit: Qty., Materials on construction site: 60%)</b>                      Delivery in working order, including any small material and labor, of a selectable, filtered digital stereo graphic equalizer with the specified frequency value and compatible with rack installation, which shall be equipped with an input volume control and balanced inputs and outputs for each channel, and feedback, reverb, block and delay settings (including an acoustic measurement microphone), and high and low transition. Other values shall be interpolated.</p>		
35.450.1101	1 x 31 Band Graphic Equalizer	557,00	67,50
35.450.1102	2 x 15 Band Graphic Equalizer	661,00	79,00
35.450.1103	2 x 31 Band Graphic Equalizer	961,00	124,00
35.450.1200	<p><b>OPERATOR MONITOR: (Unit: Qty., Materials on construction site: 60%)</b>                      Delivery in working order, including any small material and labor, of an operator monitor speaker with min. 10-watt, 10-cm full-range speakers, 75 Hz to 18 kHz operating frequency, bass and treble equalizer settings adjustable using the knobs on the speaker, speaker line in - out and microphone input, Bass - Reflex configuration, and a power on/off button on the speaker.</p>	1.020,00	135,00
35.450.1300	<p><b>Line transformer and its installation: (Unit: Qty., Materials on construction site: 60%)</b>                      Installation, and delivery in working order, including any small material and labor, of line transformers with appropriate impedance for installation at the locations indicated in the project design to reduce the potential losses in such systems as speakers, telephones, intercoms, etc.</p>		
35.450.1301	Internal type	16,80	5,30
35.450.1302	External type	19,80	5,30

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.450.1400</b>	<b>Speaker and its installation: (Unit: Qty., Materials on construction site: 60%)</b> Supply, installation, and delivery in working order, including any small material and labor, of speakers and speaker boxes in compliance with the standard TS 976 EN 60268-5 and the technical specifications.		
35.450.1401	3 to 5-Watt, single-sided speaker.	40,60	5,30
35.450.1402	3 to 5-Watt, double-side speaker.	54,50	5,30
35.450.1403	5-Watt, impact-resistant, single-sided speaker.	45,20	5,30
35.450.1404	5-Watt, impact-resistant, double-side speaker.	60,50	6,75
35.450.1405	External-type, isobaric loudspeakers up to 10 W.	72,50	6,75
35.450.1406	3 x 6-Watt, column-type speaker.	92,50	6,20
35.450.1407	3 x 10-Watt, column-type speaker.	105,00	6,20
35.450.1408	10 W, single-sided speaker	108,00	6,20
35.450.1409	10 W, double-side speaker	228,00	6,20
35.450.2000	<b>DIGITAL PROCESSOR CROSSOVER: (Unit: Qty., Materials on construction site: 60%)</b> Delivery in working order, including any small material and labor, of a digital processor crossover with digital 24 bit/96 kHz configuration, 3 analog inputs and 6 analog outputs, adjustable delay for all inputs and outputs, electronically balanced XLR for input and output connections, and 1 x RS485 connector.	952,00	79,00
<b>35.450.2100</b>	<b>MONITOR SPEAKER: (Unit: Qty., Materials on construction site: 60%)</b> Delivery in working order, including any small material and labor, of a full-range monitor speaker with a continuous power of 500 W and AES power of 350 W/8 ohm, a frequency range of 65 Hz to 18kHz, a crossover frequency of 3.5 kHz, full-range 125 dB SPL continuous, 128 dB peak sound pressure, 12" woofer and 1" HF speaker, CD Elliptic horn, and 90° x 60° sound propagation angle. Other values shall be interpolated.		
35.450.2101	10" Monitor Speaker	1.720,00	169,00
35.450.2102	12" Monitor Speaker	2.030,00	203,00
35.450.2103	15" Monitor Speaker	2.350,00	225,00
<b>35.450.2200</b>	<b>SUBWOOFER SPEAKER: (Unit: Qty., Materials on construction site: 60%)</b> Delivery in working order, including any small material and labor, of a professional, weather-proof, LF speaker with 100 W / 400 W rms power and 35 to 150 Hz frequency response.		
35.450.2201	15" Subwoofer Speaker	2.450,00	246,00
35.450.2202	18" Subwoofer Speaker	2.870,00	293,00
<b>35.450.2300</b>	<b>FULL-RANGE SPEAKER: (Unit: Qty., Materials on construction site: 60%)</b> Delivery in working order, including any small material and labor, of a full-range monitor speaker with a continuous power of 500 W and AES power of 350 W/8 ohm, a frequency range of 65 Hz to 18kHz, crossover frequency of 3.5 kHz, full-range 116 dB SPL continuous, 119 dB peak sound pressure, 1" HF speaker, 8-ohm speaker impedance, and sound propagation angle.		
35.450.2301	12" Range Speaker	2.040,00	203,00
35.450.2302	15" Range Speaker	2.360,00	237,00

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.450.2400	<b>SPEAKER HANGING KIT: (Unit: Qty., Materials on construction site: 60%)</b> Delivery, including any small material and labor, of a mechanically secure wall hanging kit for mounting a speaker on a wall.	239,00	113,00
<b>35.450.2500</b>	<b>AUDIO CABLES: (Unit: BALANCED: m., Materials on construction site: 60%)</b> Delivery, including any small material and labor, of a cable apparatus of international quality, which shall be made up of a pair of live cables and braided copper shielding for a balanced transmission of audio signals. Note: Payment shall be made per item 35.500.2000 and the relevant items.		
<b>35.450.2600</b>	<b>TWINAX SPEAKER CABLE: (Unit: Qty., Materials on construction site: 60%)</b> Delivery, including any small material and labor, of a cable apparatus of international quality, which shall be made up of a pair of live cables and braided copper shielding for a balanced transmission of audio signals. Note: Payment shall be made per item 35.500.2000 and the relevant items.		
<b>35.450.2700</b>	<b>MULTICORE AUDIO CABLE: (Unit: Qty., Materials on construction site: 60%)</b> Delivery, including any small material and labor, of a multicore audio cable apparatus that is made up of eight numbered wires for transfer of audio signal. Note: Payment shall be made per item 35.500.2000 and the relevant items.		
35.450.2800	<b>STAGE BOX: (Unit: Qty., Materials on construction site: 60%)</b> Delivery, including any small material and labor, of a professional static black DKP sheet metal stage box with a connection panel with min. 8 audio connections and Neutrik or equivalent audio connectors, which shall be used for audio connections on stage.	555,00	56,50
<b>35.450.2900</b>	<b>RACK CABINET: (Unit: Qty., Materials on construction site: 60%)</b> Note: The item 35.550.0000 shall be applicable.		
35.450.3000	<b>(NEUTRIK CONNECTORS): (Unit: Qty., Materials on construction site: 60%)</b> Delivery, including any small material and labor, of Neutrik connectors with Neutrik or equivalent voltage regulators used for installation, which shall be installed in 8-compartment stage boxes on both sides of the stage, allow microphone connection from the hall, and for which 8-wire multicore cables are laid.	22,00	6,65
35.450.3100	<b>Potentiometer and its wiring: (Unit: Qty., Materials on construction site: 60%)</b> Installation of a flush-mounted or surface-mounted potentiometer outlet line using min. 0.75-mm <sup>2</sup> plastic-insulated conductors (TS-3930) within peschel, bergman or PVC pipes, with potentiometers with compatible characteristics with the speakers that it will be used with, including junction boxes, terminal blocks and any small material and labor.	25,90	6,65
35.450.3200	Channel selector (three channels)	15,10	6,65
<b>35.450.5000</b>	<b>Microphone: (Unit: Qty: Materials on construction site 60%)</b> Installation, and delivery, including any small material and labor, of crystal or dynamic microphones complying with TS 6509 and the relevant technical specifications, with min. 10-meter-long microphone cable, microphone socket and plug.		
35.450.5001	Desktop microphone.	154,00	6,65
35.450.5002	Free-standing microphone.	173,00	6,65
35.450.5003	Hand-held microphone.	126,00	6,65

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.450.5100	<b>Microphone line wiring (Unit: m., Materials on construction site: 60%)</b> Installation of a microphone line by shielded conductors through peschel, bergman or PVC pipes with hinged and lockable cover, min. 1-mm-thick DKP sheet metal coated with light gray, including flush-mounted or surface-mounted terminal boxes, junction boxes, terminal blocks, iron consoles, cable clips, paint, any small material and labor.	7,75	5,55
<b>35.450.5200</b>	<b>16-CHANNEL UHF RADIO MICROPHONE SET: (Unit: Set, Materials on construction site: 60%)</b> The radio microphone system shall operate as a transceiver on UHF. Delivery in working order with a microphone stand, transceivers, internal and external antennae, and any small material and labor.		
35.450.5201	Hand type	1.170,00	
35.450.5202	Lapel type	1.170,00	
35.450.5203	Head type	1.250,00	
35.450.5300	<b>MICROPHONE STAND (Unit: Qty., Materials on construction site: 60%)</b> Delivery in working order, including any small material and labor, of a microphone stand that can be installed easily on a desktop and used with an XLR connector and gooseneck microphone.	269,00	45,50
35.450.5400	<b>VOCAL DYNAMIC MICROPHONE: (Unit: Qty., Materials on construction site: 60%)</b> Delivery in working order, including any small material and labor, of a professional, weather-proof microphone with 100 W / 400 W rms speakers.	205,00	
35.450.5500	<b>DYNAMIC MICROPHONE INSTRUMENT (Unit: Qty., Materials on construction site: 60%)</b> Delivery in working order, including any small material and labor, of a dynamic microphone instrument with a frequency range of 50 to 1600 Hz (near) and 100 to 14000 Hz (far), supercardioid polar pattern, open circuit voltage of 2.4 mV/Pa at 1 kHz (0 dB = 1 V/Pa), an on/off switch on the device, a nominal impedance of 600 ohms, and a load impedance greater than 1000 ohms.	257,00	
35.450.5600	<b>MICROPHONE STAND (Unit: Qty., Materials on construction site: 60%)</b> Delivery in working order, including any small material and labor, of a microphone stand compatible with the stage, height and instrument use.	93,50	10,90
<b>35.450.5700</b>	<b>Amplifier and its installation: (Unit: Qty., Materials on construction site: 60%)</b> Delivery in working order, including any small material and labor, of a sound amplifier in compliance with the relevant technical specifications and installation of the amplifier on the designated location on an iron frame, including the frame and coating.		
35.450.5701	25 W	453,00	12,40
35.450.5702	40 W	553,00	12,40
35.450.5703	75 W	605,00	12,40
35.450.5704	100 W	757,00	12,40
35.450.5705	200 W	1.620,00	12,90
35.450.5706	300 W	1.980,00	15,20
<b>35.460.0000</b>	<b>STAGE LIGHTING SYSTEM</b>		



**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.460.1000</b>	<b>LIGHT CONTROL MIXERS: (Unit: Qty., Materials on construction site: 60%)</b> Delivery, including any small material and labor, of light controller mixer with light, chaser, stage memory and MB flash card, which shall be programmable by a PC, suitable for theater applications, support the DMX 512 protocol, and control programs equal to the number of channels. Other values shall be interpolated.		
35.460.1010	24-channel Light Controller Mixer	2.410,00	261,00
35.460.1020	48-channel Light Controller Mixer	4.620,00	562,00
<b>35.460.1100</b>	<b>HALL LIGHTING CONTROLLER, DIMMER: (Unit: Qty., Materials on construction site: 60%)</b> The device shall be microprocessor-controlled with each channel supplying 12 A. Thus, such functions as channel status, channel levels, pre-heating and balancing curve shall be performed on the device. The device shall be equipped with a cooling mechanism to prevent heat-related problems and the device shall be capable of operating without the need for external control equipment. It shall be possible to update the firmware and install new versions easily by an RS-232 connection. Power connectors on the back of the device shall be equipped with 3-phase supply and automatic line protection, and the device shall be delivered with any small material and labor.		
35.460.1110	6-channel Digital Dimmer	3.580,00	562,00
35.460.1120	12-channel Digital Dimmer	6.890,00	562,00
<b>35.460.1200</b>	<b>PROFILE SPOT: (Unit: Qty., Materials on construction site: 60%)</b> Delivery with any small material and labor of a profile spot 14°/32° with a security chain and suspension apparatus, iris diaphragm and gobo holder, equipped with an adjustable light source, a protection system that cuts off power when it is necessary to replace the lamp, which shall operate with a tungsten lamp of desired power, provide a uniform focus and light beam control by 50% more lamps than the number of spots required, and provide a light level of 200 to 2800 lux in various distances, and IP 55-certified.		
35.460.1210	650-W Profile Spot	2.760,00	468,00
35.460.1220	1000-W Profile Spot	3.450,00	468,00
35.460.1230	2000-W Profile Spot	5.440,00	468,00
<b>35.460.1300</b>	<b>PC SPOT, BARN DOOR: (Unit: Qty., Materials on construction site: 60%)</b> Delivery, including any small material and labor, of an IP-55-certified barn-door PC spot operating with a tungsten lamp, which shall be equipped with the desired number of spotlight lamps, a PC optical system to provide a sharp and smooth light beam, an adjustable light source, and a light beam of 200 to 2800 lux or more at various distances, complete with a color filter holder, safety guard, 4-wing shutter epoxy powder coating.		
35.460.1310	300/500 W PC Spot, Barndoor, 500 W light bulb	944,00	98,50
35.460.1320	650/1000 W PC SpoT, Barn Door, 1000 W light bulb	984,00	98,50

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.460.1400</b>	<b>FRESNEL SPOTLIGHT, BARN DOOR: (Unit: Qty., Materials on construction site: 60%)</b> Delivery, including any small material and labor, of Fresnel spotlights with barndoors and tungsten lamp, with a smoother light beam compared to PC spots and adjustable to different angles offered by the number of Fresnel optical systems supplied with spotlight lamps equal to the number of spotlights; with an illuminance value of 250 to 1900 lux and IP 55 certificate, equipped with a color filter, holder, safety guard, 4-wing shutter, and epoxy powder coating.		
35.460.1410	300/500w Frensel Spotlight Barn Door, 500 W light bulb	842,00	98,50
35.460.1420	650/1000w Frensel Spotlight Barn Door, 1000 W light bulb	984,00	98,50
<b>35.460.1500</b>	<b>PAR SPOTLIGHT AND LIGHT BULB: (Unit: Qty., Materials on construction site: 60%)</b> Delivery, including any small material and labor, of IP-55-certified PAR spotlights and lightbulbs with color filter holder and epoxy powder exterior coating, which shall operate with a 1000-W tungsten lamp.		
35.460.1510	PAR 56 Spotlight and light bulb	155,00	10,90
35.460.1520	PAR 64 Spotlight and light bulb	180,00	10,90
<b>35.470.0000</b>	<b>VIDEO DATA PROJECTION SYSTEMS</b>		
<b>35.470.1000</b>	<b>PROJECTOR: (Unit: Qty., Materials on construction site: 60%)</b> Delivery, including any small material and labor, of a Projector with ANSI lumen power, compatible with video systems and computers, complete with a suspension apparatus and a distance lens for use of the device from the operator room.		
35.470.1001	2000 ANSI lumens, 1024 x 768 resolution	2.250,00	178,00
35.470.1002	2500 ANSI lumens, 1024 x 768 resolution	2.960,00	178,00
35.470.1003	3000 ANSI lumens, 1024 x 768 resolution	3.670,00	178,00
35.470.1004	3500 ANSI lumens, 1024 x 768 resolution	4.380,00	178,00
35.470.1005	4000 ANSI lumens, 1024 x 768 resolution	5.070,00	178,00
35.470.1006	4500 ANSI lumens, 1024 x 768 resolution	5.780,00	178,00
35.470.1007	5000 ANSI lumens, 1024 x 768 resolution	6.500,00	178,00
35.470.1008	6500 ANSI lumens, 1024 x 768 resolution	7.280,00	178,00

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.470.2000</b>	<p><b>HYDRAULIC STAGE PLATFORM (WITH A LIFT) (Unit: Qty., Materials on construction site: 60%)</b>                      Delivery in working order, including materials and labor, of a system to be used for taking decoration elements or actors from the orchestra pit to the stage on the ground floor, bearing the CE compliance marking and in compliance with the standards TS EN 50347, TS EN 60034-1 , TS EN 50347, and TS EN 60034-1, with electric motors complying with the Machinery Directive (2006/42/ EC), panels complying with TS EN 61439-1, and switches and contactors complying with TS 4915 EN 60669-1 as well as the mechanical and electrical project designs; with a sufficient bar value for its lifting capacity, an upper chassis and truss system made of ST 37 NPU profile, the bottom chassis placed in the platform pit made of trusses coupled by roller bearings, a 3-phase electric motor, a hydraulic safety valve operating in compliance with the operating pressure, lifting and capacity, speed setting, locking and directional valve, hydraulic hose burst valve, and hydraulic steel pipes, hoses and bushes that connect them, pistons and fittings with clamps made of ST 52 shafts and chrome-plated materials over C 1050, two-bearing truss castors made of C 1050, splines made of DBR 14 bronze material, and equipped with an electric control panel, lower and upper limit breakers, power limiters (compression contacts) connected using 4 x 2.5 TTR cables, and with earthing, which moves vertically up to 5 m. with the main frame moved by an actuator cylinder driven by a wing pump placed in the oil tank.                      Note: For the systems where trusses are not used and that are not driven directly, installed unit prices shall be reduced by 30%, and the installation fees shall remain unchanged.</p>		
35.470.2001	Lifting capacity: up to 5 tons	41.070,00	5.730,00
35.470.2002	Lifting capacity: up to 10 tons	49.490,00	8.010,00
35.470.2003	Lifting capacity: up to 20 tons	61.010,00	10.270,00
35.470.2004	Lifting capacity: up to 30 tons	75.030,00	11.420,00
35.470.2005	Lifting capacity: up to 40 tons	91.730,00	12.550,00
<b>35.470.3000</b>	<p><b>ELECTRIC PROJECTOR SCREEN: (Unit: Qty., Materials on construction site: 60%)</b>                      Delivery, including any small material and labor, of an electric projector screen in 4:3 format and of front projection type, with a screen video gain of min. 1.2 and viewing angle of min. 150°, with aluminum guards for the screen and motor, which shall be motorized and remote controllable, and awarded the M1 7201-96 certificate for fire protection.</p>		
35.470.3001	200 x 150 motorized screen	634,00	67,50
35.470.3002	250 x 190 motorized screen	925,00	79,00
35.470.3003	300 x 225 motorized screen	1.220,00	89,50
35.470.3004	350 x 265 motorized screen	1.280,00	101,00
35.470.3005	400 x 300 motorized screen	1.580,00	113,00
35.470.3006	450 x 340 motorized screen	1.770,00	135,00
35.470.3007	500 x 375 motorized screen	2.210,00	158,00
35.470.3008	600 x 450 motorized screen	2.580,00	225,00
35.470.3009	700 x 575 motorized screen	3.120,00	293,00

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.470.4000</b>	<b>POWER AMPLIFIER (Unit: Qty., Materials on construction site: 60%)</b> It shall be a professional device compatible with the microphones in the system, and equipped with full protection (overload, short circuit, DC output protection, thermal, ultrasonic and RF protection). Delivery in working order, including any small material and labor, of a power amplifier with IEC 265-8 Wrms output power; 2x280 W rms/8 ohms; 2 x 450 W rms / 4 ohms; 2 x 700 W rms / 2 ohms of output power, and Power, Signal and Clip LED indicators on the front panel. Other values shall be interpolated.		
35.470.4001	2 x 100 W Power Amplifier	884,00	91,50
35.470.4002	2 x 150 W Power Amplifier	1.330,00	103,00
35.470.4003	2 x 250 W Power Amplifier	1.780,00	163,00
35.470.4004	2 x 450 W Power Amplifier	2.530,00	174,00
35.470.4005	2 x 800 W Power Amplifier	2.990,00	203,00
35.470.4006	2 x 1150 W Power Amplifier	3.780,00	245,00
<b>35.480.0000</b>	<b>ANTENNA INSTALLATION (Materials on construction site: 60%)</b>		
35.480.1000	Television outlet line (Unit: Qty.) Installation and delivery in working order, including any small material and labor, of a television outlet line with an antenna downlead and special power socket distributor terminal block, laid as a coaxial cable through an appropriate PVC pipe in compliance with the technical specifications (shielded microphone cables shall not be used). Unit: No additional charge shall apply unless the length of the outlet line exceeds 20 m. The part of the outlet line exceeding 20 m shall be charged per the item 35.505.1000.	36,50	29,80
35.480.1100	<b>Television antenna (Unit: Qty.)</b> Supply and installation, including any material and labor, of a television antenna in compliance with TS 489 and the relevant technical specifications (with a min. 3-m long 25-mm diameter galvanized pipe paid separately per the relevant unit price with installation free of charge). 4-element Antenna	43,70	29,80
35.480.1101	10-element Antenna	61,00	29,80
35.480.1102	14-element Antenna	70,00	29,80
35.480.1103	17-element Antenna	78,00	29,80
<b>35.480.1200</b>	<b>Collective distribution amplifier for television antenna (Unit: Qty.)</b> Supply, installation at the relevant location, and delivery in working order, including any small material and labor, of a collective distribution amplifier for television antenna in compliance with the relevant technical specifications, with 220-volt supply line, a downlead between the antenna and the amplifier, and a distribution panel.		
35.480.1201	Distribution amplifier with 4 to 20 db antenna gain	324,00	84,50
35.480.1202	Distribution amplifier with 21 to 40 db antenna gain	338,00	84,50
<b>35.480.1300</b>	<b>Splitters (Unit: Qty., Materials on construction site: 60%) (in compliance with TS EN 60728-6)</b> Supply of splitters with a main input and auxiliary outputs, resistance, capacitor, winding, and connectors equal to the number of inputs and outputs, compatible with the coaxial cables used in Radio, TV, Radar, Fire Control, several transmitter devices, security, satellite aerials, CCTV aerials and metering systems, which can operate in the frequency range of 40 to 862 MHz, Distributor type Max dB loss		
35.480.1301	1/2 4.0	10,00	1,85
35.480.1302	1/3 6.5	13,40	1,85

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.480.1303	1/4 8.0	14,00	1,85
35.480.1304	1/6 11.0	34,20	1,85
35.480.1305	1/8 12.0	40,30	1,85
<b>35.480.1400</b>	<b>Tars (Tap Off) (Unit: Qty., Materials on construction site: 60%)</b> Supply of distributors with a main input and auxiliary outputs, resistance, capacitor, winding, and connectors equal to the number of inputs and outputs, compatible with the coaxial cables used in Radio, TV, Radar, Fire Control, several transmitter devices, security, satellite aerials, CCTV aerials and metering systems, which can operate in the frequency range of 40 to 862 MHz. Distributor type Main output      max dB loss      Auxiliary      output max dB loss		
35.480.1401	2/1                          2.2                          20	19,10	2,00
35.480.1402	2/2                          4.5                          20	22,10	2,00
35.480.1403	2/4                          4.5                          15.5	30,50	2,00
35.480.1404	2/6                          8.0                          17.5	35,80	2,00
35.480.1405	2/8                          9.5                          19.5	40,50	2,00
<b>35.485.0000</b>	<b>ACCUMULATOR AND RECTIFIER INSTALLATION: (Materials on construction site: 60%)</b> (* ) [2] To be performed with the provisions of the "Regulation on Waste Battery and Accumulator Control" published in the Official Gazette no. 25569 dated 31 August 2004.		
<b>35.485.1000</b>	<b>Rectifier and its installation: (Unit: Qty., Materials on construction site: 60%)</b> Supply of a dry rectifier in compliance with TS 9592 and the relevant Technical Specifications, installation with charge and discharge relays, metering instruments (ammeter and voltmeter) on the panel, breaker and control switches, wiring until the batteries, and delivery in working order including any small material and labor.		
35.485.1001	Up to 24 V 20 A	317,00	27,80
35.485.1002	Up to 24 V 10 A	256,00	27,80
35.485.1003	Up to 24 V 5 A	240,00	27,80
35.485.1004	Up to 24 V 2 A	162,00	27,80
<b>35.490.0000</b>	<b>INTERCOM WIRING: (Unit: Qty: Materials on construction site 60%)</b>		
<b>35.490.1100</b>	<b>Intercom Panel and its installation: (Unit: Qty., Materials on construction site: 60%)</b> Installation and delivery in working order, including any small material and labor, of an intercom panel with the sufficient number of intercom sub-stations (not including the supply line).		
35.490.1101	Intercom panel with 5 sub-stations	248,00	33,70
35.490.1102	Intercom panel with 10 sub-stations	300,00	33,70
35.490.1103	Intercom panel with 15 sub-stations	385,00	33,70
35.490.1104	Intercom panel with 20 sub-stations	480,00	33,70
35.490.1105	<b>Intercom panel with 24 sub-stations</b> (A 5-sub-station Panel has 1 Intercom Panel and 5 sub-stations).	531,00	33,70
35.490.1200	<b>Additional intercom sub-station, and installation (Unit: Qty.)</b> Installation and delivery, including any small material and labor, of intercom sub-stations.	20,20	4,45

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.490.1300	<b>Intercom supply line (Unit: m.)</b> Installation of a flush-mounted or surface-mounted intercom supply line using min. 0.75-mm <sup>2</sup> plastic-insulated conductors with 2 cladding layers (TS-3930) with two cores through a peschel, bergman or PVC pipe, including any small material and labor.	5,05	4,45
<b>35.500.0000</b>	<b>FIRE ALARM AND SIGNAL CABLES</b>		
<b>35.500.1000</b>	<b>J-Y(St)Y Fire Alarm Cables (Unit: m) (VDE 0815)</b> Supply to the work site, including the gateway and safety pipes, any material and labor, of fire alarm cables with conductors complying with TS EN 60228, an operating temperature range of -30°C to +70°C (for fixed wiring) as per DIN VDE 0815, PVC cladding insulation as per TS EN 50290-2-21, twisted strands, aluminum foil wrapping and earth wire, where the exterior casing shall be RAL 3000 red in compliance with TS EN 50290-2-22, flame retardation and self-extinction of PVC in compliance with TS EN 60332-1-2, and TSEK 173 certification, which shall be used for security systems, communication, indoor and dry areas. (The PVC pipe is included for the internal wiring.) Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.		
35.500.1001	1 x 2 x 0.8 + 0.8 mm <sup>2</sup>	2,65	1,20
35.500.1002	2 x 2 x 0.8 + 0.8 mm <sup>2</sup>	3,05	1,20
35.500.1003	3 x 2 x 0.8 + 0.8 mm <sup>2</sup>	3,55	1,20
35.500.1004	4 x 2 x 0.8 + 0.8 mm <sup>2</sup>	4,40	1,20
35.500.1005	5 x 2 x 0.8 + 0.8 mm <sup>2</sup>	4,65	1,20
35.500.1006	6 x 2 x 0.8 + 0.8 mm <sup>2</sup>	5,20	1,20
35.500.1007	8 x 2 x 0.8 + 0.8 mm <sup>2</sup>	6,10	1,20
35.500.1008	10 x 2 x 0.8 + 0.8 mm <sup>2</sup>	7,30	1,20
35.500.1009	1 x 2 x 1 + 1 mm <sup>2</sup>	3,55	1,20
35.500.1010	2 x 2 x 1 + 1 mm <sup>2</sup>	4,45	1,20
35.500.1011	3 x 2 x 1 + 1 mm <sup>2</sup>	5,85	1,20
35.500.1012	4 x 2 x 1 + 1 mm <sup>2</sup>	6,80	1,20
35.500.1013	5 x 2 x 1 + 1 mm <sup>2</sup>	8,35	1,20
35.500.1014	6 x 2 x 1 + 1 mm <sup>2</sup>	9,65	1,20
35.500.1015	8 x 2 x 1 + 1 mm <sup>2</sup>	11,40	1,20
35.500.1016	10 x 2 x 1 + 1 mm <sup>2</sup>	14,60	1,20
35.500.1017	1 x 2 x 1.5 + 1.5 mm <sup>2</sup>	4,60	1,20
35.500.1018	2 x 2 x 1.5 + 1.5 mm <sup>2</sup>	6,20	1,20
35.500.1019	3 x 2 x 1.5 + 1.5 mm <sup>2</sup>	8,15	1,20
35.500.1020	4 x 2 x 1.5 + 1.5 mm <sup>2</sup>	10,30	1,20
35.500.1021	5 x 2 x 1.5 + 1.5 mm <sup>2</sup> .	11,30	1,20
35.500.1022	6 x 2 x 1.5 + 1.5 mm <sup>2</sup>	12,60	1,20
35.500.1023	8 x 2 x 1.5 + 1.5 mm <sup>2</sup>	15,90	1,20
35.500.1024	10 x 2 x 1.5 + 1.5 mm <sup>2</sup>	19,80	1,20

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.500.1025	1 x 2 x 2.5 + 2.5 mm <sup>2</sup>	5,05	1,20
35.500.1026	2 x 2 x 2.5 + 2.5 mm <sup>2</sup>	8,35	1,20
35.500.1027	3 x 2 x 2.5 + 2.5 mm <sup>2</sup>	11,30	1,20
35.500.1028	4 x 2 x 2.5 + 2.5 mm <sup>2</sup>	14,90	1,20
35.500.1029	5 x 2 x 2.5 + 2.5 mm <sup>2</sup>	17,60	1,20
35.500.1030	6 x 2 x 2.5 + 2.5 mm <sup>2</sup>	22,70	1,20
35.500.1031	8 x 2 x 2.5 + 2.5 mm <sup>2</sup>	28,10	1,20
35.500.1032	10 x 2 x 2.5 + 2.5 mm <sup>2</sup>	35,60	1,20
<b>35.500.2000</b>	<p><b>LIYCY, LIYC2Y or LIY(St)CY-TP Type Instrumentation, signal and controller cables: (Unit: m) (VDE 0812)</b>                      Supply to the work site, including gateway and security pipes, any material and labor, of instrument, signal and controller cables certified for compliance with TSEK 173 and in compliance with TS EN 60332-1-2 with a flexible structure, made by twisting the layers of cladding formed by insulating multiple-twisted copper conductors complying with TS EN 60228 in colors complying with the DIN-47100 standard with semi-hard PVC as per TS EN 50290-2-21, and with its core would helically with transparent PES winding tape, which shall be optionally sheathed with aluminum foil earth wire and braided coaxial cables covered by 85% with tinned copper wires, and which are used as signal and data communication cables for connections of electronic control systems, sound frequency transfer.                      Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
<b>35.500.2100</b>	<b>LIYCY, LIYC2Y Signal cables</b>		
35.500.2101	2 x 0.14 mm <sup>2</sup>	1,20	0,65
35.500.2102	12 x 0.14 mm <sup>2</sup>	3,70	0,65
35.500.2103	14 x 0.14 mm <sup>2</sup>	4,05	0,65
35.500.2104	16 x 0.14 mm <sup>2</sup>	4,25	0,65
35.500.2105	18 x 0.14 mm <sup>2</sup>	4,75	0,65
35.500.2106	20 x 0.14 mm <sup>2</sup>	5,35	0,65
35.500.2107	25 x 0.14 mm <sup>2</sup>	6,15	0,65
35.500.2108	3 x 0.14 mm <sup>2</sup>	1,90	0,65
35.500.2109	4 x 0.14 mm <sup>2</sup>	2,10	0,65
35.500.2110	5 x 0.14 mm <sup>2</sup>	2,15	0,65
35.500.2111	6 x 0.14 mm <sup>2</sup>	2,50	0,65
35.500.2112	7 x 0.14 mm <sup>2</sup>	2,65	0,65
35.500.2113	8 x 0.14 mm <sup>2</sup>	3,15	0,65
35.500.2114	9 x 0.14 mm <sup>2</sup>	3,30	0,65
35.500.2115	10 x 0.14 mm <sup>2</sup>	3,35	0,65
35.500.2116	2 x 0.25 mm <sup>2</sup>	1,50	0,65
35.500.2117	14 x 0.25 mm <sup>2</sup>	4,75	0,65

### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.500.2118	16 x 0.25 mm <sup>2</sup>	5,35	0,65
35.500.2119	18 x 0.25 mm <sup>2</sup>	6,05	0,65
35.500.2120	20 x 0.25 mm <sup>2</sup>	6,75	0,65
35.500.2121	25 x 0.25 mm <sup>2</sup>	7,75	0,65
35.500.2122	3 x 0.25 mm <sup>2</sup>	1,90	0,65
35.500.2123	4 x 0.25 mm <sup>2</sup>	2,10	0,65
35.500.2124	5 x 0.25 mm <sup>2</sup>	2,65	0,65
35.500.2125	6 x 0.25 mm <sup>2</sup>	2,95	0,65
35.500.2126	7 x 0.25 mm <sup>2</sup>	3,15	0,65
35.500.2127	8 x 0.25 mm <sup>2</sup>	3,30	0,65
35.500.2128	10 x 0.25 mm <sup>2</sup>	3,95	0,65
35.500.2129	12 x 0.25 mm <sup>2</sup>	4,25	0,65
35.500.2130	2 x 0.34 mm <sup>2</sup>	2,15	0,85
35.500.2131	14 x 0.34 mm <sup>2</sup>	6,05	0,85
35.500.2132	16 x 0.34 mm <sup>2</sup>	6,80	0,85
35.500.2133	18 x 0.34 mm <sup>2</sup>	7,50	0,85
35.500.2134	20 x 0.34 mm <sup>2</sup>	8,10	0,85
35.500.2135	25 x 0.34 mm <sup>2</sup>	9,70	0,85
35.500.2136	3 x 0.34 mm <sup>2</sup>	2,15	0,85
35.500.2137	4 x 0.34 mm <sup>2</sup>	2,70	0,85
35.500.2138	5 x 0.34 mm <sup>2</sup>	3,20	0,85
35.500.2139	6 x 0.34 mm <sup>2</sup>	3,35	0,85
35.500.2140	7 x 0.34 mm <sup>2</sup>	3,65	0,85
35.500.2141	8 x 0.34 mm <sup>2</sup>	4,10	0,85
35.500.2142	10 x 0.34 mm <sup>2</sup>	4,85	0,85
35.500.2143	12 x 0.34 mm <sup>2</sup>	5,40	0,85
35.500.2144	2 x 0.50 mm <sup>2</sup>	2,20	0,85
35.500.2145	3 x 0.50 mm <sup>2</sup>	2,45	0,85
35.500.2146	4 x 0.50 mm <sup>2</sup>	2,90	0,85
35.500.2147	5 x 0.50 mm <sup>2</sup>	3,30	0,85
35.500.2148	6 x 0.50 mm <sup>2</sup>	3,80	0,85
35.500.2149	7 x 0.50 mm <sup>2</sup>	4,00	0,85
35.500.2150	8 x 0.50 mm <sup>2</sup>	4,45	0,85
35.500.2151	9 x 0.50 mm <sup>2</sup>	4,75	0,85
35.500.2152	10 x 0.50 mm <sup>2</sup>	5,40	0,85
35.500.2153	12 x 0.50 mm <sup>2</sup>	6,10	0,85
35.500.2154	14 x 0.50 mm <sup>2</sup>	7,00	0,85
35.500.2155	16 x 0.50 mm <sup>2</sup>	7,85	0,85
35.500.2156	18 x 0.50 mm <sup>2</sup>	8,45	0,85
35.500.2157	20 x 0.50 mm <sup>2</sup>	9,30	0,85
35.500.2158	25 x 0.50 mm <sup>2</sup>	11,20	0,85



### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.500.2159	2 x 0.75 mm <sup>2</sup>	2,45	0,85
35.500.2160	3 x 0.75 mm <sup>2</sup>	3,00	0,85
35.500.2161	4 x 0.75 mm <sup>2</sup>	3,55	0,85
35.500.2162	5 x 0.75 mm <sup>2</sup>	3,95	0,85
35.500.2163	6 x 0.75 mm <sup>2</sup>	4,60	0,85
35.500.2164	7 x 0.75 mm <sup>2</sup>	5,10	0,85
35.500.2165	8 x 0.75 mm <sup>2</sup>	5,70	0,85
35.500.2166	9 x 0.75 mm <sup>2</sup>	5,90	0,85
35.500.2167	10 x 0.75 mm <sup>2</sup>	6,65	0,85
35.500.2168	12 x 0.75 mm <sup>2</sup>	8,00	0,85
35.500.2169	14 x 0.75 mm <sup>2</sup>	9,00	0,85
35.500.2170	16 x 0.75 mm <sup>2</sup>	10,10	0,85
35.500.2171	18 x 0.75 mm <sup>2</sup>	11,10	0,85
35.500.2172	20 x 0.75 mm <sup>2</sup>	12,00	0,85
35.500.2173	25 x 0.75 mm <sup>2</sup>	15,30	0,85
35.500.2174	2 x 1.0 mm <sup>2</sup>	3,00	1,10
35.500.2175	3 x 1.0 mm <sup>2</sup>	3,60	1,10
35.500.2176	4 x 1.0 mm <sup>2</sup>	4,05	1,10
35.500.2177	5 x 1.0 mm <sup>2</sup>	4,75	1,10
35.500.2178	6 x 1.0 mm <sup>2</sup>	5,65	1,10
35.500.2179	7 x 1.0 mm <sup>2</sup>	6,25	1,10
35.500.2180	8 x 1.0 mm <sup>2</sup>	6,90	1,10
35.500.2181	9 x 1.0 mm <sup>2</sup>	7,35	1,10
35.500.2182	10 x 1.0 mm <sup>2</sup>	8,30	1,10
35.500.2183	12 x 1.0 mm <sup>2</sup>	9,60	1,10
35.500.2184	14 x 1.0 mm <sup>2</sup>	11,00	1,10
35.500.2185	16 x 1.0 mm <sup>2</sup>	12,60	1,10
35.500.2186	18 x 1.0 mm <sup>2</sup>	13,80	1,10
35.500.2187	20 x 1.0 mm <sup>2</sup>	15,10	1,10
35.500.2188	25 x 1.0 mm <sup>2</sup>	19,40	1,10
35.500.2189	2 x 1.5 mm <sup>2</sup>	3,50	1,10
35.500.2190	3 x 1.5 mm <sup>2</sup>	4,20	1,10
35.500.2191	4 x 1.5 mm <sup>2</sup>	5,20	1,10
35.500.2192	5 x 1.5 mm <sup>2</sup>	6,20	1,10
35.500.2193	6 x 1.5 mm <sup>2</sup>	7,35	1,10
35.500.2194	7 x 1.5 mm <sup>2</sup>	8,05	1,10
35.500.2195	8 x 1.5 mm <sup>2</sup>	9,40	1,10
35.500.2196	9 x 1.5 mm <sup>2</sup>	9,25	1,10
35.500.2197	10 x 1.5 mm <sup>2</sup>	11,00	1,10
35.500.2198	12 x 1.5 mm <sup>2</sup>	13,10	1,10
35.500.2199	14 x 1.5 mm <sup>2</sup>	14,60	1,10

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.500.2200	16 x 1.5 mm <sup>2</sup>	16,80	1,10
35.500.2201	18 x 1.5 mm <sup>2</sup>	18,50	1,10
35.500.2202	20 x 1.5 mm <sup>2</sup>	20,30	1,10
35.500.2203	25 x 1.5 mm <sup>2</sup>	25,70	1,10
35.500.2204	2 x 2.5 mm <sup>2</sup>	4,60	1,10
35.500.2205	3 x 2.5 mm <sup>2</sup>	5,95	1,10
35.500.2206	4 x 2.5 mm <sup>2</sup>	7,35	1,10
35.500.2207	5 x 2.5 mm <sup>2</sup>	9,00	1,10
35.500.2208	6 x 2.5 mm <sup>2</sup>	10,30	1,10
35.500.2209	7 x 2.5 mm <sup>2</sup>	11,30	1,10
35.500.2210	8 x 2.5 mm <sup>2</sup>	13,50	1,10
35.500.2211	9 x 2.5 mm <sup>2</sup>	13,70	1,10
35.500.2212	10 x 2.5 mm <sup>2</sup>	16,80	1,10
35.500.2213	12 x 2.5 mm <sup>2</sup>	20,00	1,10
35.500.2214	14 x 2.5 mm <sup>2</sup>	22,50	1,10
35.500.2215	16 x 2.5 mm <sup>2</sup>	25,20	1,10
35.500.2216	18 x 2.5 mm <sup>2</sup>	28,70	1,10
35.500.2217	20 x 2.5 mm <sup>2</sup>	31,10	1,10
35.500.2218	25 x 2.5 mm <sup>2</sup>	39,50	1,10
	<b>LIY (St) CY-TP signal cable</b>		
35.500.2401	2 x 2 x 0.22 mm <sup>2</sup>	2,95	1,20
35.500.2402	3 x 2 x 0.22 mm <sup>2</sup>	3,15	1,20
35.500.2403	4 x 2 x 0.22 mm <sup>2</sup>	3,40	1,20
35.500.2404	5 x 2 x 0.22 mm <sup>2</sup>	3,90	1,20
35.500.2405	6 x 2 x 0.22 mm <sup>2</sup>	4,05	1,20
35.500.2406	7 x 2 x 0.22 mm <sup>2</sup>	4,55	1,20
35.500.2407	8 x 2 x 0.22 mm <sup>2</sup>	4,85	2,00
35.500.2408	10 x 2 x 0.22 mm <sup>2</sup>	5,40	2,00
35.500.2409	12 x 2 x 0.22 mm <sup>2</sup>	6,15	2,00
35.500.2410	15 x 2 x 0.22 mm <sup>2</sup>	6,85	2,00
35.500.2411	18 x 2 x 0.22 mm <sup>2</sup>	7,25	2,00
35.500.2412	20 x 2 x 0.22 mm <sup>2</sup>	8,25	2,00
35.500.2413	2 x 25 x 0.22 mm <sup>2</sup>	9,80	1,20
35.500.2414	2 x 2 x 0.34 mm <sup>2</sup>	3,30	1,20
35.500.2415	3 x 2 x 0.34 mm <sup>2</sup>	3,45	1,20
35.500.2416	4 x 2 x 0.34 mm <sup>2</sup>	3,90	1,20
35.500.2417	5 x 2 x 0.34 mm <sup>2</sup>	4,70	1,20
35.500.2418	6 x 2 x 0.34 mm <sup>2</sup>	5,15	1,20
35.500.2419	7 x 2 x 0.34 mm <sup>2</sup>	5,30	1,20
35.500.2420	8 x 2 x 0.34 mm <sup>2</sup>	5,85	1,20
35.500.2421	10 x 2 x 0.34 mm <sup>2</sup>	6,75	2,00

### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.500.2422	12 x 2 x 0.34 mm <sup>2</sup>	8,00	2,00
35.500.2423	15 x 2 x 0.34 mm <sup>2</sup>	8,75	2,00
35.500.2424	2 x 2 x 0.50 mm <sup>2</sup>	3,20	1,20
35.500.2425	3 x 2 x 0.50 mm <sup>2</sup>	4,15	1,20
35.500.2426	4 x 2 x 0.50 mm <sup>2</sup>	4,65	1,20
35.500.2427	5 x 2 x 0.50 mm <sup>2</sup>	5,15	1,20
35.500.2428	6 x 2 x 0.50 mm <sup>2</sup>	5,65	1,20
35.500.2429	7 x 2 x 0.50 mm <sup>2</sup>	6,40	1,20
35.500.2430	8 x 2 x 0.50 mm <sup>2</sup>	6,90	1,20
35.500.2431	9 x 2 x 0.50 mm <sup>2</sup>	7,45	1,20
35.500.2432	10 x 2 x 0.50 mm <sup>2</sup>	8,70	2,00
35.500.2433	12 x 2 x 0.50 mm <sup>2</sup>	8,75	2,00
35.500.2434	2 x 2 x 0.75 mm <sup>2</sup>	4,15	1,20
35.500.2435	3 x 2 x 0.75 mm <sup>2</sup>	4,60	1,20
35.500.2436	4 x 2 x 0.75 mm <sup>2</sup>	5,15	1,20
35.500.2437	5 x 2 x 0.75 mm <sup>2</sup>	5,85	1,20
35.500.2438	6 x 2 x 0.75 mm <sup>2</sup>	6,50	1,20
35.500.2439	7 x 2 x 0.75 mm <sup>2</sup>	7,45	1,20
35.500.2440	8 x 2 x 0.75 mm <sup>2</sup>	8,35	1,20
35.500.2441	10 x 2 x 0.75 mm <sup>2</sup>	9,25	2,00
35.500.2442	12 x 2 x 0.75 mm <sup>2</sup>	10,10	2,00
35.500.2443	14 x 2 x 0.75 mm <sup>2</sup>	11,00	2,00
35.500.2444	16 x 2 x 0.75 mm <sup>2</sup>	11,70	2,00
35.500.2445	18 x 2 x 0.75 mm <sup>2</sup>	12,90	2,00
35.500.2446	20 x 2 x 0.75 mm <sup>2</sup>	14,50	2,00
35.500.2447	25 x 2 x 0.75 mm <sup>2</sup>	15,80	2,00
35.500.2448	2 x 2 x 1.00 mm <sup>2</sup>	4,60	1,20
35.500.2449	3 x 2 x 1.00 mm <sup>2</sup>	5,15	1,20
35.500.2450	4 x 2 x 1.00 mm <sup>2</sup>	5,85	1,20
35.500.2451	5 x 2 x 1.00 mm <sup>2</sup>	6,90	1,20
35.500.2452	6 x 2 x 1.00 mm <sup>2</sup>	7,45	1,20
35.500.2453	7 x 2 x 1.00 mm <sup>2</sup>	8,35	1,20
35.500.2454	8 x 2 x 1.00 mm <sup>2</sup>	9,20	1,20
35.500.2455	10 x 2 x 1.00 mm <sup>2</sup>	10,10	2,00
35.500.2456	12 x 2 x 1.00 mm <sup>2</sup>	11,40	2,00
35.500.2457	14 x 2 x 1.00 mm <sup>2</sup>	12,00	2,00
35.500.2458	16 x 2 x 1.00 mm <sup>2</sup>	13,30	2,00
35.500.2459	18 x 2 x 1.00 mm <sup>2</sup>	15,00	2,00
35.500.2460	20 x 2 x 1.00 mm <sup>2</sup>	16,30	2,00
35.500.2461	25 x 2 x 1.00 mm <sup>2</sup>	17,40	2,00
35.500.2462	2 x 2 x 1.50 mm <sup>2</sup>	5,15	1,20

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.500.2463	3 x 2 x 1.50 mm <sup>2</sup>	6,05	1,20
35.500.2464	4 x 2 x 1.50 mm <sup>2</sup>	6,50	1,20
35.500.2465	5 x 2 x 1.50 mm <sup>2</sup>	7,65	1,20
35.500.2466	6 x 2 x 1.50 mm <sup>2</sup>	8,35	1,20
35.500.2467	7 x 2 x 1.50 mm <sup>2</sup>	9,20	1,20
35.500.2468	8 x 2 x 1.50 mm <sup>2</sup>	10,50	1,20
35.500.2469	10 x 2 x 1.50 mm <sup>2</sup>	11,40	2,00
35.500.2470	12 x 2 x 1.50 mm <sup>2</sup>	12,70	2,00
35.500.2471	14 x 2 x 1.50 mm <sup>2</sup>	14,00	2,00
35.500.2472	16 x 2 x 1.50 mm <sup>2</sup>	15,40	2,00
35.500.2473	18 x 2 x 1.50 mm <sup>2</sup>	16,70	2,00
35.500.2474	20 x 2 x 1.50 mm <sup>2</sup>	18,80	2,00
35.500.2475	25 x 2 x 1.50 mm <sup>2</sup>	20,90	2,00
35.500.2476	2 x 2 x 2.50 mm <sup>2</sup>	6,50	1,20
35.500.2477	3 x 2 x 2.50 mm <sup>2</sup>	7,45	1,20
35.500.2478	4 x 2 x 2.50 mm <sup>2</sup>	8,60	1,20
35.500.2479	5 x 2 x 2.50 mm <sup>2</sup>	9,50	1,20
35.500.2480	6 x 2 x 2.50 mm <sup>2</sup>	10,50	1,20
35.500.2481	7 x 2 x 2.50 mm <sup>2</sup>	11,30	1,20
35.500.2482	8 x 2 x 2.50 mm <sup>2</sup>	12,70	1,20
35.500.2483	10 x 2 x 2.50 mm <sup>2</sup>	13,90	1,20
35.500.2484	12 x 2 x 2.50 mm <sup>2</sup>	15,20	1,20
35.500.2485	14 x 2 x 2.50 mm <sup>2</sup>	16,50	1,20
35.500.2486	16 x 2 x 2.50 mm <sup>2</sup>	18,00	1,20
35.500.2487	18 x 2 x 2.50 mm <sup>2</sup>	20,00	1,20
35.500.2488	20 x 2 x 2.50 mm <sup>2</sup>	22,80	1,20
35.500.2489	25 x 2 x 2.50 mm <sup>2</sup>	25,00	1,20
<b>35.505.0000</b>	<b>COAXIAL AND COPPER DATA CABLES</b>		
<b>35.505.1000</b>	<p><b>Coaxial Cables (Unit: m)</b>                      Supply to the work site, including gateway and security pipes, any material and labor, of coaxial cables manufactured as per TS EN 50117-1 and 2014/35/EU Low Voltage Directive and released with the CE compliance marking, for use with radio, TV, radar, fire control, several transmitter devices, security satellite aeriels, CCTV aeriels and measurement systems, and applications where signal loss should be minimized or external interference should be avoided. Note: The peschel, bergman or PVC pipe is included for the internal wiring.                      Cable Type      Impedance (ohm)</p>		
35.505.1001	RG 6AU                      75	5,10	2,00
35.505.1002	RG 11 A/U                75	4,55	2,00
35.505.1003	RG 59 B/U                75	3,10	2,00
35.505.1004	RG 216 U                   75	5,70	2,00

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.505.1005	RF 75-7-1 75	4,25	2,00
35.505.1006	RF 75-7-3 75	5,70	2,00
35.505.1007	RG 8A/U 50	4,90	2,00
35.505.1008	RG 58 A/U 50	2,75	2,00
35.505.1009	RG 58 C/U 50	3,15	2,00
35.505.1010	RG 58-U 50	3,05	2,00
35.505.1011	RG 174-U 50	2,75	2,00
35.505.1012	RG 212 -U 50	7,40	2,00
35.505.1013	RG 213-U 50	5,20	2,00
35.505.1014	RG 214-U 50	11,20	2,00
35.505.1015	RG 59-U-4 75	3,00	2,00
35.505.1016	RG 59-U-6 75	3,10	2,00
35.505.1017	RG 6/U-4 75	3,10	2,00
35.505.1018	RG 6/U-4P 75	3,30	2,00
35.505.1019	RG 6/U-4A 75	4,00	2,00
35.505.1020	RG 6/U-6 75	3,40	2,00
35.505.1021	RG 6/U-6P 75	3,40	2,00
35.505.1022	RG 6/U-6A 75	4,55	2,00
35.505.1023	RG 11/U-4 75	4,55	2,00
35.505.1024	RG 11/U-4P 75	4,55	2,00
35.505.1025	RG 11/U-4A 75	4,95	2,00
35.505.1026	RG 11/U-6 75	4,60	2,00
35.505.1027	RG 11/U-6 A 75	5,85	2,00
35.505.1028	RG 11/U-6P 75	4,70	2,00
35.505.1029	HF 7537 75	2,70	2,00
35.505.1030	RG 62 A/U 93/105	3,05	2,00
35.505.1031	RG 62 A/U-1 93/105	3,30	2,00
35.505.1032	RG 62 A/U-2 93/105	3,05	2,00
35.505.1033	RG 71 B/U 93/105	3,85	2,00
<b>35.505.2000</b>	<b>COPPER DATA CABLES (Unit: m., Materials on construction site: 60%)</b>		
35.505.2010	<p><b>UTP CAT 5e Cable: (Unit: m., Materials on construction site: 60%)</b>  Supply, transportation to the work site, installation and testing, including any small materials and labor, of cables compliant with the standards ANSI/TIA/EIA-568, TS EN 50288-3-1,2, and ISO 11801, with 4 pairs, 4 color codes (blue - blue white, orange - orange white, green - green white, brown - brown white) unshielded twisted pairs (Unshielded Helical Twist) and PVC outer casing for all of the wires in CAT 5E standard and in compliance with the 24 AWG (American Wire Gauge) 0.5-mm bare-stranded copper coating criteria, which shall be used for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN) (The pipes, if the cable is laid through pipes, or the trays, if the cable is laid on trays, shall be charged per the relevant item).</p>	2,35	1,20

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.505.2020	<p><b>FTP CAT 5e Cable: (Unit: m., Materials on construction site: 60%)</b>                      Supply, transportation to the work site, installation and testing, including any small materials and labor, of cables compliant with the standards ANSI/TIA/EIA-568, TS EN 50288-3-1,2, and ISO 11801, with 4 pairs, 4 color codes (blue - blue white, orange - orange white, green - green white, brown - brown white) twisted pairs with shielding made of a polyester strip and tin foil winding (Shielded Helical Twist) and PVC outer casing for all of the wires in CAT 5E standard and in compliance with the 24 AWG (American Wire Gauge) 0.5-mm bare-stranded copper coating criteria, which shall be used for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN) (The pipes, if the cable is laid through pipes, or the trays, if the cable is laid on trays, shall be charged per the relevant item).</p>	2,80	1,20
35.505.2030	<p><b>UTP CAT 6 Cable: (Unit: m., Materials on construction site: 60%)</b>                      Supply, transportation to the work site, installation and testing, including any small materials and labor, of cables compliant with the standards ANSI/TIA/EIA-568, TS EN 50288-3-1,2, and ISO 11801, with 4 pairs, 4 color codes (blue - blue white, orange - orange white, green - green white, brown - brown white) unshielded twisted pairs and PVC outer casing around a star splitter for all of the wires in CAT 6 standard and in compliance with the 23 AWG (American Wire Gauge) 0.57-mm bare-stranded copper coating criteria, which shall be used for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN) (The pipes, if the cable is laid through pipes, or the trays, if the cable is laid on trays, shall be charged per the relevant item).</p>	3,00	1,20
35.505.2040	<p><b>FTP CAT 6 Cable: (Unit: m., Materials on construction site: 60%)</b>                      Supply, transportation to the work site, installation and testing, including any small materials and labor, of cables compliant with the standards ANSI/TIA/EIA-568, TS EN 50288-3-1,2, and ISO 11801, with 4 pairs, 4 color codes (blue - blue white, orange - orange white, green - green white, brown - brown white) unshielded twisted pairs fully wrapped in a polyester strip and tin foil and PVC outer casing around a star splitter for all of the wires in CAT 6 standard and in compliance with the 23 AWG (American Wire Gauge) 0.57-mm bare-stranded copper coating criteria, which shall be used for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN) (The pipes, if the cable is laid through pipes, or the trays, if the cable is laid on trays, shall be charged per the relevant item).</p>	3,55	1,20
35.505.6100	<p><b>UTP CAT 5e Flush-mounted Single Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact in CAT 5e Standards cores with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, flush-mounted, single-port, PVC frame, spring-loaded cover, including labor, labels, installation, testing and transportation.</p>	16,30	1,20
35.505.6110	<p><b>UTP CAT 5e Flush-mounted Double Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, flush-mounted, two-port, PVC frame, spring-loaded cover, including labor, labels, installation, testing and transportation.</p>	29,80	1,20

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.505.6120	<p><b>UTP CAT 5e Surface-mounted Single Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, single-port, PVC frame, Socket Box, spring-loaded cover, including labor, labels, installation, testing and transportation.</p>	16,70	1,20
35.505.6130	<p><b>UTP CAT 5e Surface-mounted Double Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, double-port, PVC frame, Socket Box, spring-loaded cover, including labor, labels, installation, testing and transportation.</p>	30,30	1,20
35.505.6140	<p><b>FTP CAT 5e Surface-mounted Single Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Shielded, fully-protected exterior made of corrosion-resistant metal, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, single-port, PVC frame, spring-loaded socket cover, backbox, label, including labor, installation, testing and transportation.</p>	18,20	1,20
35.505.6150	<p><b>FTP CAT 5e Surface-mounted Double Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, with fully-protected non-corrosive metal exterior, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, double-port, PVC frame, backbox, spring-loaded cover, label, including labor, installation, labels, testing and transportation.</p>	31,30	1,20
35.505.6160	<p><b>FTP CAT 5e Flush-mounted Single Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, with fully-protected non-corrosive metal exterior, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, flush-mounted, single-port, PVC frame, spring-loaded cover, label, including labor, installation, testing and transportation.</p>	25,80	1,20

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.505.6170	<p><b>FTP CAT 5e Flush-mounted Double Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact cores in CAT 5e Standards with connector contact points coated with a highly conductive material for use for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN). Unshielded, with fully-protected non-corrosive metal exterior, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, flush-mounted, double-port, PVC frame, spring-loaded cover, label, including labor, installation, testing and transportation.</p>	45,00	1,20
35.505.6180	<p><b>UTP CAT 6 Surface-mounted Single Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact cores in CAT 6 Standards with connector contact points coated with a highly conductive material for use for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN) in CAT 6 standard. Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, single-port, PVC frame, spring-loaded socket cover, including labor, installation, testing and transportation.</p>	28,90	1,20
35.505.6190	<p><b>UTP CAT 6 Surface-mounted Double Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact cores in CAT 6 Standards with connector contact points coated with a highly conductive material for use for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN), in CAT 6 standards. Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, surface-mounted, double-port, PVC frame, Socket Box, spring-loaded cover, and labels, including labor, installation, testing and transportation.</p>	50,50	1,20
35.505.6200	<p><b>UTP CAT 6 Flush-mounted Single Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact cores with connector contact points coated with a highly conductive material for use for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN), in CAT 6 standards. Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, ISO-certified, flush-mounted, single-port, PVC frame, Socket Box, spring-loaded cover, and labels, including labor, installation, testing and transportation.</p>	29,00	1,20
35.505.6210	<p><b>UTP CAT 6 Flush-mounted Double Socket (Unit: Qty., Materials on construction site: 60%)</b>                      The product with 8 x RJ-45 contact cores in CAT 6 Standards with connector contact points coated with a highly conductive material for use for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks (LAN), in CAT 6 standards. Unshielded, compliant with the standards ANSI/TIA/EIA-568B.2 and ISO/IEC -11801, flush-mounted, double-port, PVC frame, Socket Box, spring-loaded cover, and labels, including labor, installation, testing and transportation.</p>	53,00	1,20



**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.505.7100</b>	<p><b>UTP CAT 5e Patch Panel (Unit: Qty., Materials on construction site: 60%)</b>                      The item shall be in CAT 5E standards, 19 inches wide, unshielded, with RJ-45 8-contact female connector, and the Connector Contact Point coated with a highly conductive material, which shall be used at 100-MHz bandwidth and 100-Mbps data transfer rate for cable terminations at the points of contact in local area networks (LAN), horizontal distribution and telecommunication rooms, equipment terminations and noisy environments.                      It shall be made of steel, aluminum, aluminum alloy or anodized aluminum, in compliance with the standards ANSI/TIA/EIA-568 B and ISO/IEC -11801, and labels, labor, installation, testing and transportation shall be included.</p>		
35.505.7101	24 Ports	235,00	64,50
35.505.7102	48 Ports	458,00	99,00
<b>35.505.7200</b>	<p><b>FTP CAT 5e Patch Panel (Unit: Qty., Materials on construction site: 60%)</b>                      The item shall be in CAT 5E standards, 19 inches wide, shielded, with RJ-45 8-contact female connector, and the Connector Contact Point coated with a highly conductive material, which shall be used at 100-MHz bandwidth and 100-Mbps data transfer rate for cable terminations at the points of contact in local area networks (LAN), horizontal distribution and telecommunication rooms, equipment terminations and noisy environments. It shall be made of steel, aluminum, aluminum alloy or anodized aluminum, in compliance with the standards ANSI/TIA/EIA-568 B and ISO/IEC -11801, and labels, labor, installation, testing and transportation shall be included.</p>		
35.505.7201	24 Ports	382,00	56,50
35.505.7202	48 Ports	384,00	71,50
<b>35.505.7300</b>	<p><b>UTP CAT 6 Patch Panel (Unit: Qty., Materials on construction site: 60%)</b>                      The item shall be in CAT 6 standards, 19 inches wide, unshielded, with RJ-45 8-contact female connector, and the Connector Contact Point coated with a highly conductive material, which shall be used at 250-MHz bandwidth and 1000-Mbps data transfer rate for cable terminations at the points of contact in local area networks (LAN), horizontal distribution and telecommunication rooms, equipment terminations. It shall be made of steel, aluminum, aluminum alloy or anodized aluminum, in compliance with the standards ANSI/TIA/EIA-568 B.2-1 and ISO/IEC -11801, and labels, labor, installation, and testing shall be included.</p>		
35.505.7301	24 Ports	483,00	91,00
35.505.7302	48 Ports	941,00	128,00
<b>35.510.0000</b>	<b>MAIN LINE INSTALLATION (Materials on construction site: 60%) (TS-3930)</b>		
<b>35.510.1100</b>	<p><b>Trunk line installation within the building: (Unit: m)</b>                      Installing trunk line wires with PVC-insulated and PVC-sheathed telephone cables 0.5 mm in diameter with conductors color-coded as per the standards and installed to prevent through peschel, bergman or PVC pipes within the building, including any small material and labor.</p>		
35.510.1101	Up to 1 pair (with ground) P.14	2,60	1,60
35.510.1102	Up to 2 pairs (with ground) P.14	2,90	1,85
35.510.1103	Up to 4 pairs (with ground) P.14	3,45	1,85
35.510.1104	Up to 6 pairs (with ground) P.18	4,75	2,85

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.510.1105	Up to 10 pairs (with ground) P.18	5,40	3,00
35.510.1106	Up to 16 pairs (with ground) P.26	6,75	3,35
35.510.1107	Up to 20 pairs (with ground) P.26	8,60	3,45
35.510.1108	Up to 30 pairs (with ground) P.26	10,50	3,70
35.510.1109	Up to 50 pairs (with ground) P.37	14,80	4,00
35.510.1110	Up to 100 pairs (with ground) P.37	24,00	4,45
<b>35.510.1200</b>	<b>Trunk line installation within the building: (Unit: m) (TS-3930)</b> Installation of main line wiring at building interior or exterior using exterior type telephone cables 0.5 mm in diameter, manufactured as certified for compliance with the TS EN 60708 standard, colored as per the relevant standards and positioned to prevent crosstalk, resistant to moisture and water, with annealed electrolytic copper conductors, polyethylene insulator, polyethylene interior jacket, aluminum shield and polyethylene exterior jacket laid through cable ducts, reinforced concrete ducts, PVC pipes or directly through earth at building exterior, and through peschel, bergman and PVC pipes or cable clips at building interior, including any small material and labor (installation of PVC pipes, cable ducts, conduits, bricks, briquettes and laying sand at building exterior shall be charged per the relevant items.)		
35.510.1201	Up to 2 pairs (with ground)	3,95	1,60
35.510.1202	Up to 6 pairs (with ground)	5,30	1,85
35.510.1203	Up to 10 pairs (with ground)	6,55	2,85
35.510.1204	Up to 20 pairs (with ground)	8,90	3,00
35.510.1205	Up to 30 pairs (with ground)	11,50	3,45
35.510.1206	Up to 50 pairs (with ground)	15,10	3,70
35.510.1207	Up to 100 pairs (with ground)	23,10	4,20
35.510.1208	Up to 150 pairs (with ground)	33,30	5,20
35.510.1209	Up to 200 pairs (with ground)	42,70	5,65
<b>35.510.1300</b>	<b>Exterior-type telephone cable with suspension wires and 0.5 mm in diameter (Unit: m.)</b>		
35.510.1301	Up to 10 pairs (with ground)	6,30	1,85
35.510.1302	Up to 20 pairs (with ground)	9,10	2,85
35.510.1303	Up to 30 pairs (with ground)	10,40	3,00
35.510.1304	Up to 50 pairs (with ground)	15,20	3,45
35.510.1305	Up to 100 pairs (with ground)	25,40	3,45
35.510.1306	Up to 150 pairs (with ground)	33,90	4,00
35.510.1307	Up to 200 pairs (with ground)	42,70	4,45
<b>35.510.1400</b>	<b>Exterior-type telephone cable with suspension wires and 0.9 mm in diameter (Unit: m.)</b>		
35.510.1401	Up to 10 pairs (with ground)	11,40	1,85
35.510.1402	Up to 20 pairs (with ground)	18,90	2,85
35.510.1403	Up to 30 pairs (with ground)	26,10	3,00
35.510.1404	Up to 50 pairs (with ground)	38,70	3,45

### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.510.1500</b>	<b>Trunk line installation within the building: (Unit: m)</b> Installation of main line wiring at building interior or exterior using exterior type telephone cables 0.9 mm in diameter, manufactured as certified for compliance with the TS EN 60708 standard, colored as per the relevant standards and positioned to prevent crosstalk, resistant to moisture and water, with annealed electrolytic copper conductors, polyethylene insulator, polyethylene interior jacket, aluminum shield and polyethylene exterior jacket as described in the item 35.510.1200.		
35.510.1501	Up to 10 pairs (with ground)	12,10	2,85
35.510.1502	Up to 20 pairs (with ground)	19,80	3,00
35.510.1503	Up to 30 pairs (with ground)	26,10	3,45
35.510.1504	Up to 50 pairs (with ground)	38,50	3,70
35.510.1505	Up to 100 pairs (with ground)	66,50	4,20
<b>35.510.1600</b>	<b>Telephone distribution panels: (Unit: Qty, Materials on construction site: 60%).</b> A flush-mounted or surface-mounted distribution panel on each floor with hinged and lockable door and made of 1-mm-thick DKP sheet metal and coated with gun-sprayed paint of the desired color, including small fixtures and fittings, special telephone terminal box, duly forming and soldering the cable tips entering the box, any small material and labor.		
35.510.1601	Up to 10 pairs	64,50	31,80
35.510.1602	Up to 30 pairs	103,00	39,60
35.510.1603	Up to 50 pairs	139,00	57,50
35.510.1604	Up to 100 pairs	233,00	91,50
35.510.1605	Up to 150 pairs	310,00	129,00
35.510.1606	Up to 200 pairs	377,00	162,00
<b>35.510.1700</b>	<b>Self-extinguishing plastic telephone distribution panels: (Unit: Qty., Materials on construction site: 60%)</b> Self-extinguishing plastic telephone distribution panel, including a cable termination module that couples cables without screws or solder and by separating the cable insulator without using any other tool, and a (seamless) stainless steel roof and coupling of the flush-mounted or surface-mounted cables by appropriate color codes. The other specifications shall be the same as the item 35.510.1600.		
35.510.1701	Up to 20 pairs	89,50	31,80
35.510.1702	Up to 30 pairs	108,00	39,60
35.510.1703	Up to 50 pairs	153,00	55,50
35.510.1704	Up to 100 pairs	274,00	88,00
35.510.1705	Up to 150 pairs	394,00	123,00
35.510.1706	Up to 200 pairs	493,00	153,00

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.510.1800</b>	<p><b>Weather-proof plastic distribution panels: (Unit: Qty., Materials on construction site: 60%) (TSE Certificate of Quality)</b>                      Glass-fiber-reinforced polyester weather-proof telephone box: Cable termination module coupled by a coupling instrument without using screws or solder, by peeling off the cable insulator. The panel shall have a weather-proof (seamless) stainless steel roof, and the cables entering the panel shall be contacted according to the color codes. Other specifications the same as the item 35.510.1600.</p>		
35.510.1801	Up to 30 pairs	149,00	39,60
35.510.1802	Up to 50 pairs	195,00	55,50
35.510.1803	Up to 80 pairs	270,00	69,50
35.510.1804	Up to 100 pairs	297,00	88,00
35.510.1805	Up to 150 pairs	414,00	123,00
35.510.1806	Up to 200 pairs	536,00	153,00
<b>35.510.1900</b>	<p><b>Telephone device and its installation: (Unit: Qty., Materials on construction site: 70%).</b>                      Supply and delivery in working order, including any small material and labor, of a desktop or wall-mounted telephone. Quality certified by TSE.</p>		
35.510.1901	Service type	17,00	
35.510.1902	Push-button, automatic type	78,00	
35.510.2000	<p><b>Telephone wiring outlet line: (Unit: Qty., Materials on construction site: 60%)</b>                      Installation of a flush-mounted or surface-mounted telephone outlet line by a plastic-sheath telephone cable (TS EN 60708) with plastic-insulated conductors 0.50 mm in diameter in peschel, bergman or PVC. Junction box, special telephone socket, plug, casing and any small material and labor shall be included. (An individual line shall be installed for each telephone from the floor distribution panel, including the ground line and excluding the trunk line and the device.) Unit: No payment shall be made unless the length of the outlet line exceeds 20 m. The part of the outlet line exceeding 20 m shall be charged per the item 35.510.0000.</p>	41,40	27,80
35.510.2100	<p><b>Parallel telephone outlet line: (Unit: Qty., Materials on construction site: 60%)</b>                      Installation of a flush-mounted or surface-mounted parallel telephone outlet line by a plastic-sheath telephone cable (TS EN 60708) with plastic-insulated conductors 0.5 mm in diameter in peschel, bergman or PVC pipe. Junction box, terminal block, special telephone socket, plug, casing and any small material and labor shall be included (the main line and the device shall be included but the earth line shall not be included). Unit: No additional charge shall apply unless the length of the outlet line exceeds 20 m. The part of the outlet line exceeding 20 m shall be charged per the item 35.510.0000.</p>	19,80	14,40
35.510.2200	<p><b>Weather-proof telephone outlet line: (Unit: Qty., Materials on construction site: 60%)</b>                      The same as the item 35.510.2000 except that the telephone outlet line shall only be made of weather-proof materials and with PVC-insulated polyethylene-sheathed telephone wires. Unit: No additional charge shall apply unless the length of the outlet line exceeds 20 m. The part of the outlet line exceeding 20 m shall be charged per the item 35.510.0000.</p>	52,00	31,80
35.510.2300	<p><b>Telephone plug - socket (Unit: Qty.)</b>                      Installation, including the housing and any small material and labor, of telephone plugs and sockets with threaded connection leads and fireproof housing, for use with telephones, which shall be equipped with male and female contacts, used as flush mounted and surface mounted, and designed differently from the plugs and sockets to be used with high current.</p>	5,90	2,30

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.515.0000</b>	<b>HALOGEN-FREE CABLES</b>		
<b>35.515.1000</b>	<p><b>J-H(S)tH HALOGEN-FREE FIRE ALARM CABLES (Unit: m.) (VDE 0815)</b>                      Supply to the work site, including the gateway and safety pipes, any material and labor, of insulated fire alarm cables with copper conductors complying with TS EN 60228, an operating temperature range of -30°C to +70°C (for fixed installation) as per DIN VDE 0815, halogen-free, flame-retardant cladding insulation as per TS EN 50290-2-26, twisted strands, aluminum foil wrapping and earth wire, where the exterior casing shall be RAL 7032 gray, halogen-free, flame-retardant in compliance with TS EN 50290-2-27, which shall be used for security systems, communication, indoor and dry areas. Note: HFFR pipe is included for the internal installation. Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.515.1001	1 x 2 x 0.8 + 0.8 mm <sup>2</sup>	2,85	1,20
35.515.1002	2 x 2 x 0.8 + 0.8 mm <sup>2</sup>	3,40	1,20
35.515.1003	3 x 2 x 0.8 + 0.8 mm <sup>2</sup>	4,15	1,20
35.515.1004	4 x 2 x 0.8 + 0.8 mm <sup>2</sup>	5,35	1,20
35.515.1005	5 x 2 x 0.8 + 0.8 mm <sup>2</sup>	5,90	1,20
35.515.1006	6 x 2 x 0.8 + 0.8 mm <sup>2</sup>	6,75	1,20
35.515.1007	8 x 2 x 0.8 + 0.8 mm <sup>2</sup>	8,00	1,20
35.515.1008	10 x 2 x 0.8 + 0.8 mm <sup>2</sup>	9,25	1,20
35.515.1009	1 x 2 x 1 + 1 mm <sup>2</sup>	4,35	1,20
35.515.1010	2 x 2 x 1 + 1 mm <sup>2</sup>	6,30	1,20
35.515.1011	3 x 2 x 1 + 1 mm <sup>2</sup>	8,25	1,20
35.515.1012	4 x 2 x 1 + 1 mm <sup>2</sup>	9,65	1,20
35.515.1013	5 x 2 x 1 + 1 mm <sup>2</sup>	12,00	1,20
35.515.1014	6 x 2 x 1 + 1 mm <sup>2</sup>	14,10	1,20
35.515.1015	8 x 2 x 1 + 1 mm <sup>2</sup>	17,90	1,20
35.515.1016	10 x 2 x 1 + 1 mm <sup>2</sup>	21,70	1,20
35.515.1017	1 x 2 x 1.5 + 1.5 mm <sup>2</sup>	6,20	1,20
35.515.1018	2 x 2 x 1.5 + 1.5 mm <sup>2</sup>	8,70	1,20
35.515.1019	3 x 2 x 1.5 + 1.5 mm <sup>2</sup>	11,30	1,20
35.515.1020	4 x 2 x 1.5 + 1.5 mm <sup>2</sup>	14,30	1,20
35.515.1021	5 x 2 x 1.5 + 1.5 mm <sup>2</sup> .	16,20	1,20
35.515.1022	6 x 2 x 1.5 + 1.5 mm <sup>2</sup>	18,20	1,20
35.515.1023	8 x 2 x 1.5 + 1.5 mm <sup>2</sup>	22,30	1,20
35.515.1024	10 x 2 x 1.5 + 1.5 mm <sup>2</sup>	26,90	1,20
35.515.1025	1 x 2 x 2.5 + 2.5 mm <sup>2</sup>	7,05	1,20
35.515.1026	2 x 2 x 2.5 + 2.5 mm <sup>2</sup>	11,30	1,20
35.515.1027	3 x 2 x 2.5 + 2.5 mm <sup>2</sup>	16,20	1,20

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.515.1028	4 x 2 x 2.5 + 2.5 mm <sup>2</sup>	20,90	1,20
35.515.1029	5 x 2 x 2.5 + 2.5 mm <sup>2</sup>	25,40	1,20
35.515.1030	6 x 2 x 2.5 + 2.5 mm <sup>2</sup>	30,20	1,20
35.515.1031	8 x 2 x 2.5 + 2.5 mm <sup>2</sup>	39,70	1,20
35.515.1032	10 x 2 x 2.5 + 2.5 mm <sup>2</sup>	42,50	1,20
<b>35.515.2000</b>	<p><b>LIH(St)H HALOGEN-FREE SIGNAL and CONTROLLER CABLE (Unit: m.) (VDE 0812)</b>                      Supply to the worksite, including gateways and security pipes as well as any material and labor of halogen-free, unshielded control and internal connection cables, flexible cables used for signal and control cables used for connections of electronic systems, sound frequency transfer in any communication system, electronic data transfer, and industrial electronics, and made by twisting of cladding formed by insulation in colors in compliance with DIN 47100 and multiple twisted, annealed copper, halogen-free, flame-retardant materials in layers (operating temperature: -30°C and +70°C), shielded by AL-PES wrapping tape with an earthing wire, with the outer jacket made of flame-retardant HFFR compound in RAL 7001 gray, in compliance with the standards IEC-332-1, IEC-332-3, IEC-60754, IEC-60332, TS EN 60332-1-2, TS EN 60754-1 and TS EN 61034-2, and certified for passing the flame test. Note: HFFR pipes are included for the internal wiring.                      Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.515.2001	2 x 0.14 mm <sup>2</sup>	2,50	1,10
35.515.2002	3 x 0.14 mm <sup>2</sup>	3,15	1,10
35.515.2003	4 x 0.14 mm <sup>2</sup>	3,20	1,10
35.515.2004	5 x 0.14 mm <sup>2</sup>	3,55	1,10
35.515.2005	6 x 0.14 mm <sup>2</sup>	3,85	1,10
35.515.2006	7 x 0.14 mm <sup>2</sup>	3,95	1,10
35.515.2007	8 x 0.14 mm <sup>2</sup>	4,80	1,10
35.515.2008	9 x 0.14 mm <sup>2</sup>	5,05	1,10
35.515.2009	10 x 0.14 mm <sup>2</sup>	5,25	1,10
35.515.2010	12 x 0.14 mm <sup>2</sup>	5,65	1,10
35.515.2011	14 x 0.14 mm <sup>2</sup>	6,50	1,10
35.515.2012	16 x 0.14 mm <sup>2</sup>	7,10	1,10
35.515.2013	18 x 0.14 mm <sup>2</sup>	7,55	1,10
35.515.2014	20 x 0.14 mm <sup>2</sup>	8,15	1,10
35.515.2015	25 x 0.14 mm <sup>2</sup>	9,55	1,10
35.515.2016	2 x 0.25 mm <sup>2</sup>	2,95	1,10
35.515.2017	3 x 0.25 mm <sup>2</sup>	3,15	1,10
35.515.2018	4 x 0.25 mm <sup>2</sup>	3,40	1,10
35.515.2019	5 x 0.25 mm <sup>2</sup>	3,95	1,10

### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.515.2020	6 x 0.25 mm <sup>2</sup>	4,30	1,10
35.515.2021	7 x 0.25 mm <sup>2</sup>	4,80	1,10
35.515.2022	8 x 0.25 mm <sup>2</sup>	5,25	1,10
35.515.2023	10 x 0.25 mm <sup>2</sup>	6,15	1,10
35.515.2024	12 x 0.25 mm <sup>2</sup>	7,10	1,10
35.515.2025	14 x 0.25 mm <sup>2</sup>	7,55	1,10
35.515.2026	16 x 0.25 mm <sup>2</sup>	8,40	1,10
35.515.2027	18 x 0.25 mm <sup>2</sup>	9,20	1,10
35.515.2028	20 x 0.25 mm <sup>2</sup>	10,20	1,10
35.515.2029	25 x 0.25 mm <sup>2</sup>	11,90	1,10
35.515.2030	2 x 0.34 mm <sup>2</sup>	3,45	1,20
35.515.2031	3 x 0.34 mm <sup>2</sup>	3,65	1,20
35.515.2032	4 x 0.34 mm <sup>2</sup>	4,35	1,20
35.515.2033	5 x 0.34 mm <sup>2</sup>	4,95	1,20
35.515.2034	6 x 0.34 mm <sup>2</sup>	5,30	1,20
35.515.2035	7 x 0.34 mm <sup>2</sup>	5,65	1,20
35.515.2036	8 x 0.34 mm <sup>2</sup>	6,55	1,20
35.515.2037	10 x 0.34 mm <sup>2</sup>	7,50	1,20
35.515.2038	12 x 0.34 mm <sup>2</sup>	8,45	1,20
35.515.2039	14 x 0.34 mm <sup>2</sup>	9,35	1,20
35.515.2040	16 x 0.34 mm <sup>2</sup>	10,30	1,20
35.515.2041	18 x 0.34 mm <sup>2</sup>	11,50	1,20
35.515.2042	20 x 0.34 mm <sup>2</sup>	12,30	1,20
35.515.2043	25 x 0.34 mm <sup>2</sup>	15,60	1,20
35.515.2044	2 x 0.50 mm <sup>2</sup>	3,10	1,20
35.515.2045	3 x 0.50 mm <sup>2</sup>	3,60	1,20
35.515.2046	4 x 0.50 mm <sup>2</sup>	4,15	1,20
35.515.2047	5 x 0.50 mm <sup>2</sup>	4,95	1,20
35.515.2048	6 x 0.50 mm <sup>2</sup>	5,50	1,20
35.515.2049	7 x 0.50 mm <sup>2</sup>	6,15	1,20
35.515.2050	8 x 0.50 mm <sup>2</sup>	6,50	1,20
35.515.2051	9 x 0.50 mm <sup>2</sup>	7,25	1,20
35.515.2052	10 x 0.50 mm <sup>2</sup>	6,85	1,20
35.515.2053	12 x 0.50 mm <sup>2</sup>	8,80	1,20
35.515.2054	14 x 0.50 mm <sup>2</sup>	10,40	1,20
35.515.2055	16 x 0.50 mm <sup>2</sup>	11,70	1,20
35.515.2056	18 x 0.50 mm <sup>2</sup>	12,50	1,20
35.515.2057	20 x 0.50 mm <sup>2</sup>	13,80	1,20
35.515.2058	25 x 0.50 mm <sup>2</sup>	17,10	1,20
35.515.2059	2 x 0.75 mm <sup>2</sup>	3,30	1,20
35.515.2060	3 x 0.75 mm <sup>2</sup>	4,15	1,20

### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.515.2061	4 x 0.75 mm <sup>2</sup>	4,65	1,20
35.515.2062	5 x 0.75 mm <sup>2</sup>	5,50	1,20
35.515.2063	6 x 0.75 mm <sup>2</sup>	6,40	1,20
35.515.2064	7 x 0.75 mm <sup>2</sup>	6,90	1,20
35.515.2065	8 x 0.75 mm <sup>2</sup>	7,50	1,20
35.515.2066	9 x 0.75 mm <sup>2</sup>	9,15	1,20
35.515.2067	10 x 0.75 mm <sup>2</sup>	8,70	1,20
35.515.2068	12 x 0.75 mm <sup>2</sup>	11,70	1,20
35.515.2069	14 x 0.75 mm <sup>2</sup>	13,50	1,20
35.515.2070	16 x 0.75 mm <sup>2</sup>	14,40	1,20
35.515.2071	18 x 0.75 mm <sup>2</sup>	16,40	1,20
35.515.2072	20 x 0.75 mm <sup>2</sup>	17,60	1,20
35.515.2073	25 x 0.75 mm <sup>2</sup>	22,90	1,20
35.515.2074	2 x 1.0 mm <sup>2</sup>	4,70	2,00
35.515.2075	3 x 1.0 mm <sup>2</sup>	5,45	2,00
35.515.2076	4 x 1.0 mm <sup>2</sup>	6,30	2,00
35.515.2077	5 x 1.0 mm <sup>2</sup>	7,40	2,00
35.515.2078	6 x 1.0 mm <sup>2</sup>	8,20	2,00
35.515.2079	7 x 1.0 mm <sup>2</sup>	9,35	2,00
35.515.2080	8 x 1.0 mm <sup>2</sup>	10,30	2,00
35.515.2081	9 x 1.0 mm <sup>2</sup>	11,60	2,00
35.515.2082	10 x 1.0 mm <sup>2</sup>	11,70	2,00
35.515.2083	12 x 1.0 mm <sup>2</sup>	14,20	2,00
35.515.2084	14 x 1.0 mm <sup>2</sup>	16,80	2,00
35.515.2085	16 x 1.0 mm <sup>2</sup>	18,90	2,00
35.515.2086	18 x 1.0 mm <sup>2</sup>	20,70	2,00
35.515.2087	20 x 1.0 mm <sup>2</sup>	22,70	2,00
35.515.2088	25 x 1.0 mm <sup>2</sup>	28,50	2,00
35.515.2089	2 x 1.5 mm <sup>2</sup>	5,20	2,00
35.515.2090	3 x 1.5 mm <sup>2</sup>	6,50	2,00
35.515.2091	4 x 1.5 mm <sup>2</sup>	7,85	2,00
35.515.2092	5 x 1.5 mm <sup>2</sup>	9,05	2,00
35.515.2093	6 x 1.5 mm <sup>2</sup>	10,30	2,00
35.515.2094	7 x 1.5 mm <sup>2</sup>	11,60	2,00
35.515.2095	8 x 1.5 mm <sup>2</sup>	12,70	2,00
35.515.2096	9 x 1.5 mm <sup>2</sup>	14,70	2,00
35.515.2097	10 x 1.5 mm <sup>2</sup>	15,50	2,00
35.515.2098	12 x 1.5 mm <sup>2</sup>	18,90	2,00
35.515.2099	14 x 1.5 mm <sup>2</sup>	22,00	2,00
35.515.2100	16 x 1.5 mm <sup>2</sup>	24,00	2,00
35.515.2101	18 x 1.5 mm <sup>2</sup>	26,70	2,00



**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.515.2102	20 x 1.5 mm <sup>2</sup>	28,50	2,00
35.515.2103	25 x 1.5 mm <sup>2</sup>	36,30	2,00
35.515.2104	2 x 2.5 mm <sup>2</sup>	7,15	2,00
35.515.2105	3 x 2.5 mm <sup>2</sup>	8,80	2,00
35.515.2106	4 x 2.5 mm <sup>2</sup>	11,20	2,00
35.515.2107	5 x 2.5 mm <sup>2</sup>	13,10	2,00
35.515.2108	6 x 2.5 mm <sup>2</sup>	15,60	2,00
35.515.2109	7 x 2.5 mm <sup>2</sup>	17,70	2,00
35.515.2110	8 x 2.5 mm <sup>2</sup>	19,50	2,00
35.515.2111	9 x 2.5 mm <sup>2</sup>	22,00	2,00
35.515.2112	10 x 2.5 mm <sup>2</sup>	24,00	2,00
35.515.2113	12 x 2.5 mm <sup>2</sup>	27,10	2,00
35.515.2114	14 x 2.5 mm <sup>2</sup>	32,40	2,00
35.515.2115	16 x 2.5 mm <sup>2</sup>	34,90	2,00
35.515.2116	18 x 2.5 mm <sup>2</sup>	39,60	2,00
35.515.2117	20 x 2.5 mm <sup>2</sup>	42,70	2,00
35.515.2118	25 x 2.5 mm <sup>2</sup>	56,00	2,00
<b>35.515.3000</b>	<p><b>LIH(St)H-TP HALOGEN-FREE SIGNAL and CONTROLLER CABLE (Unit: m.) (VDE 0812)</b>                      Supply to the work site, and delivery, including gateway and protection pipes, any material and labor, of halogen-free, shielded control and internal connection cables with an operating temperature of -30°C to +70°C, and used for connections of electronic systems, sound frequency transfer in any communication system, electronic data transfer, and industrial electronics; made of multi-wire fine electrolytic copper in compliance with TS EN 60228 and HFFR compound in compliance with TS EN 50290-2-26; insulated as color coded as per DIN 47100; formed by twisting of the cladding components in double-twisted layers; shielded with an earth wire and AL-PES winding tape; flame-retardant HFFR-compound outer jacket in compliance with EN 50290-2-27; in RAL 7001 gray color; certified for passing the flame tests IEC-332-1, IEC-332-3, IEC- 60754 and IEC-60332; in compliance with the standards TS EN 60332-1-2, TS EN 60754-1 and TS EN 61034-2, which shall be capable of providing protection against external signals. Note: HFFR pipe is included for the internal wiring.                      Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE compliance marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p>		
35.515.3001	2 x 2 x 0.22 mm <sup>2</sup>	3,15	1,20
35.515.3002	3 x 2 x 0.22 mm <sup>2</sup>	3,30	1,20
35.515.3003	4 x 2 x 0.22 mm <sup>2</sup>	3,75	1,20
35.515.3004	5 x 2 x 0.22 mm <sup>2</sup>	4,15	1,20
35.515.3005	6 x 2 x 0.22 mm <sup>2</sup>	4,30	1,20
35.515.3006	7 x 2 x 0.22 mm <sup>2</sup>	5,00	1,20
35.515.3007	8 x 2 x 0.22 mm <sup>2</sup>	5,30	1,20

### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.515.3008	10 x 2 x 0.22 mm <sup>2</sup>	6,40	1,20
35.515.3009	12 x 2 x 0.22 mm <sup>2</sup>	7,35	1,20
35.515.3010	15 x 2 x 0.22 mm <sup>2</sup>	8,55	1,20
35.515.3011	18 x 2 x 0.22 mm <sup>2</sup>	9,10	1,20
35.515.3012	20 x 2 x 0.22 mm <sup>2</sup>	9,90	1,20
35.515.3013	25 x 2 x 0.22 mm <sup>2</sup>	12,20	1,20
35.515.3014	2 x 2 x 0.34 mm <sup>2</sup>	4,10	1,20
35.515.3015	3 x 2 x 0.34 mm <sup>2</sup>	4,15	1,20
35.515.3016	4 x 2 x 0.34 mm <sup>2</sup>	4,75	1,20
35.515.3017	5 x 2 x 0.34 mm <sup>2</sup>	5,90	1,20
35.515.3018	6 x 2 x 0.34 mm <sup>2</sup>	6,60	1,20
35.515.3019	7 x 2 x 0.34 mm <sup>2</sup>	6,80	1,20
35.515.3020	8 x 2 x 0.34 mm <sup>2</sup>	7,55	2,00
35.515.3021	10 x 2 x 0.34 mm <sup>2</sup>	8,75	2,00
35.515.3022	12 x 2 x 0.34 mm <sup>2</sup>	10,10	2,00
35.515.3023	15 x 2 x 0.34 mm <sup>2</sup>	11,30	2,00
35.515.3024	2 x 2 x 0.50 mm <sup>2</sup>	4,10	1,20
35.515.3025	3 x 2 x 0.50 mm <sup>2</sup>	5,20	1,20
35.515.3026	4 x 2 x 0.50 mm <sup>2</sup>	5,65	1,20
35.515.3027	5 x 2 x 0.50 mm <sup>2</sup>	5,90	1,20
35.515.3028	6 x 2 x 0.50 mm <sup>2</sup>	6,60	1,20
35.515.3029	7 x 2 x 0.50 mm <sup>2</sup>	7,40	1,20
35.515.3030	8 x 2 x 0.50 mm <sup>2</sup>	8,55	1,20
35.515.3031	9 x 2 x 0.50 mm <sup>2</sup>	9,20	1,20
35.515.3032	10 x 2 x 0.50 mm <sup>2</sup>	10,00	2,00
35.515.3033	12 x 2 x 0.50 mm <sup>2</sup>	10,90	2,00
35.515.3034	2 x 2 x 0.75 mm <sup>2</sup>	5,30	1,20
35.515.3035	3 x 2 x 0.75 mm <sup>2</sup>	5,90	1,20
35.515.3036	4 x 2 x 0.75 mm <sup>2</sup>	6,60	1,20
35.515.3037	5 x 2 x 0.75 mm <sup>2</sup>	7,10	1,20
35.515.3038	6 x 2 x 0.75 mm <sup>2</sup>	7,75	1,20
35.515.3039	7 x 2 x 0.75 mm <sup>2</sup>	8,60	1,20
35.515.3040	8 x 2 x 0.75 mm <sup>2</sup>	9,55	1,20
35.515.3041	10 x 2 x 0.75 mm <sup>2</sup>	10,90	2,00
35.515.3042	12 x 2 x 0.75 mm <sup>2</sup>	12,30	2,00
35.515.3043	14 x 2 x 0.75 mm <sup>2</sup>	13,90	2,00
35.515.3044	16 x 2 x 0.75 mm <sup>2</sup>	14,90	2,00
35.515.3045	18 x 2 x 0.75 mm <sup>2</sup>	16,50	2,00
35.515.3046	20 x 2 x 0.75 mm <sup>2</sup>	18,80	2,00
35.515.3047	25 x 2 x 0.75 mm <sup>2</sup>	21,00	2,00
35.515.3048	2 x 2 x 1.00 mm <sup>2</sup>	5,90	1,20

### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.515.3049	3 x 2 x 1.00 mm <sup>2</sup>	6,60	1,20
35.515.3050	4 x 2 x 1.00 mm <sup>2</sup>	7,10	1,20
35.515.3051	5 x 2 x 1.00 mm <sup>2</sup>	7,75	1,20
35.515.3052	6 x 2 x 1.00 mm <sup>2</sup>	8,60	1,20
35.515.3053	7 x 2 x 1.00 mm <sup>2</sup>	9,55	1,20
35.515.3054	8 x 2 x 1.00 mm <sup>2</sup>	10,50	1,20
35.515.3055	10 x 2 x 1.00 mm <sup>2</sup>	12,70	2,00
35.515.3056	12 x 2 x 1.00 mm <sup>2</sup>	13,40	2,00
35.515.3057	14 x 2 x 1.00 mm <sup>2</sup>	14,90	2,00
35.515.3058	16 x 2 x 1.00 mm <sup>2</sup>	16,50	2,00
35.515.3059	18 x 2 x 1.00 mm <sup>2</sup>	18,80	2,00
35.515.3060	20 x 2 x 1.00 mm <sup>2</sup>	21,00	2,00
35.515.3061	25 x 2 x 1.00 mm <sup>2</sup>	21,80	2,00
35.515.3062	2 x 2 x 1.50 mm <sup>2</sup>	6,80	1,20
35.515.3063	3 x 2 x 1.50 mm <sup>2</sup>	7,40	1,20
35.515.3064	4 x 2 x 1.50 mm <sup>2</sup>	8,25	1,20
35.515.3065	5 x 2 x 1.50 mm <sup>2</sup>	9,30	1,20
35.515.3066	6 x 2 x 1.50 mm <sup>2</sup>	10,20	1,20
35.515.3067	7 x 2 x 1.50 mm <sup>2</sup>	11,50	1,20
35.515.3068	8 x 2 x 1.50 mm <sup>2</sup>	12,60	1,20
35.515.3069	10 x 2 x 1.50 mm <sup>2</sup>	14,00	2,00
35.515.3070	12 x 2 x 1.50 mm <sup>2</sup>	15,50	2,00
35.515.3071	14 x 2 x 1.50 mm <sup>2</sup>	18,30	2,00
35.515.3072	16 x 2 x 1.50 mm <sup>2</sup>	21,00	2,00
35.515.3073	18 x 2 x 1.50 mm <sup>2</sup>	22,50	2,00
35.515.3074	20 x 2 x 1.50 mm <sup>2</sup>	24,90	2,00
35.515.3075	25 x 2 x 1.50 mm <sup>2</sup>	27,60	2,00
35.515.3076	2 x 2 x 2.50 mm <sup>2</sup>	8,25	1,20
35.515.3077	3 x 2 x 2.50 mm <sup>2</sup>	8,90	1,20
35.515.3078	4 x 2 x 2.50 mm <sup>2</sup>	10,50	1,20
35.515.3079	5 x 2 x 2.50 mm <sup>2</sup>	11,50	1,20
35.515.3080	6 x 2 x 2.50 mm <sup>2</sup>	12,60	1,20
35.515.3081	7 x 2 x 2.50 mm <sup>2</sup>	14,90	1,20
35.515.3082	8 x 2 x 2.50 mm <sup>2</sup>	16,90	1,20
35.515.3083	10 x 2 x 2.50 mm <sup>2</sup>	18,30	2,00
35.515.3084	12 x 2 x 2.50 mm <sup>2</sup>	21,00	2,00
35.515.3085	14 x 2 x 2.50 mm <sup>2</sup>	23,20	2,00
35.515.3086	16 x 2 x 2.50 mm <sup>2</sup>	25,00	2,00
35.515.3087	18 x 2 x 2.50 mm <sup>2</sup>	28,50	2,00
35.515.3088	20 x 2 x 2.50 mm <sup>2</sup>	30,90	2,00
35.515.3089	25 x 2 x 2.50 mm <sup>2</sup>	33,50	2,00

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.515.4000</b>	<b>LIH(St)H-TP HALOGEN-FREE SIGNAL and CONTROLLER CABLE (Unit: m.) (VDE 0812)</b> Supply to the work site, including gateways and security pipes as well as any material and labor of halogen-free, unshielded control and internal connection cables, flexible cables used for signal and control cables used for connections of electronic systems, sound frequency transfer in any communication system, electronic data transfer, and industrial electronics, and made by twisting of cladding formed by insulation in colors in compliance with DIN 47100 and multiple twisted, annealed copper, halogen-free, flame-retardant materials in layers (operating temperature: -30 C and +70 C), shielded by AL-PES wrapping tape with an earthing wire, with the outer jacket that meets the TS EN 50290-2-26 standard and is made of flame-retardant HFFR compound in RAL 7001 gray, in compliance with the standards TS 13734:2017, IEC-332-1, IEC-332-3, IEC-60754, IEC-60332, TS EN 60332-1-2, TS EN 60754-1 and TS EN 61034-2, and certified for passing the flame test. Note: HFFR pipes are included for the internal wiring. Note: The item will be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No. 305/2011 Construction Products, and released with a CE marking. The manufacturer must have a Declaration of Performance and a Performance Stability Certificate issued by an organization accredited by the European Union.		
35.515.4001	2x0.22 mm <sup>2</sup>	1,95	0,65
35.515.4002	3x0.22 mm <sup>2</sup>	2,20	0,65
35.515.4003	4x0.22 mm <sup>2</sup>	2,45	0,65
35.515.4004	5x0.22 mm <sup>2</sup>	2,75	0,65
35.515.4005	6x0.22 mm <sup>2</sup>	3,10	0,65
35.515.4006	7x0.22 mm <sup>2</sup>	3,35	0,65
35.515.4007	8x0.22 mm <sup>2</sup>	3,70	0,65
35.515.4008	10x0.22 mm <sup>2</sup>	4,35	0,65
35.515.4009	2x0.50 mm <sup>2</sup>	2,70	0,85
35.515.4010	3x0.50 mm <sup>2</sup>	3,15	0,85
35.515.4011	4x0.50 mm <sup>2</sup>	3,75	0,85
35.515.4012	5x0.50 mm <sup>2</sup>	4,45	0,85
35.515.4013	6x0.50 mm <sup>2</sup>	5,00	0,85
35.515.4014	7x0.50 mm <sup>2</sup>	5,40	0,85
35.515.4015	8x0.50 mm <sup>2</sup>	6,00	0,85
35.515.4016	10x0.50 mm <sup>2</sup>	7,15	0,85
35.515.4017	2x0.75 mm <sup>2</sup>	3,15	0,85
35.515.4018	3x0.75 mm <sup>2</sup>	3,85	0,85
35.515.4019	4x0.75 mm <sup>2</sup>	4,60	0,85
35.515.4020	5x0.75 mm <sup>2</sup>	5,55	0,85
35.515.4021	6x0.75 mm <sup>2</sup>	6,40	0,85
35.515.4022	7x0.75 mm <sup>2</sup>	6,90	0,85
35.515.4023	8x0.75 mm <sup>2</sup>	7,85	0,85
35.515.4024	10x0.75 mm <sup>2</sup>	9,35	0,85

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.515.4025	2x1.0 mm <sup>2</sup>	3,90	1,10
35.515.4026	3x1.0 mm <sup>2</sup>	4,80	1,10
35.515.4027	4x1.0 mm <sup>2</sup>	5,75	1,10
35.515.4028	5x1.0 mm <sup>2</sup>	6,80	1,10
35.515.4029	6x1.0 mm <sup>2</sup>	7,85	1,10
35.515.4030	7x1.0 mm <sup>2</sup>	8,65	1,10
35.515.4031	8x1.0 mm <sup>2</sup>	9,85	1,10
35.515.4032	10x1.0 mm <sup>2</sup>	11,90	1,10
35.515.4033	2x1.5 mm <sup>2</sup>	4,80	1,10
35.515.4034	3x1.5 mm <sup>2</sup>	6,10	1,10
35.515.4035	4x1.5 mm <sup>2</sup>	7,45	1,10
35.515.4036	5x1.5 mm <sup>2</sup>	8,85	1,10
35.515.4037	6x1.5 mm <sup>2</sup>	10,50	1,10
35.515.4038	7x1.5 mm <sup>2</sup>	11,60	1,10
35.515.4039	8x1.5 mm <sup>2</sup>	13,20	1,10
35.515.4040	10x1.5 mm <sup>2</sup>	16,20	1,10
35.515.4041	2x2.5 mm <sup>2</sup>	6,60	1,10
35.515.4042	3x2.5 mm <sup>2</sup>	8,65	1,10
35.515.4043	4x2.5 mm <sup>2</sup>	10,90	1,10
35.515.4044	5x2.5 mm <sup>2</sup>	13,20	1,10
35.515.4045	6x2.5 mm <sup>2</sup>	15,50	1,10
35.515.4046	7x2.5 mm <sup>2</sup>	17,50	1,10
35.515.4047	8x2.5 mm <sup>2</sup>	20,00	1,10
35.515.4048	10x2.5 mm <sup>2</sup>	24,40	1,10
<b>35.515.7000</b>	<b>HALOGEN-FREE COPPER DATA CABLES</b>		
35.515.7010	<p><b>UPT CAT 5H HALOGEN-FREE 4 x 2 x 24 AWG: Unit: m.</b>                      Materials on construction site: 60%. Supply, transportation to the work site, installation and testing, including any small material and labor, of 4 pairs of cables at ISO class D - CAT6 H standard and complying with the 24 AWG 0.5 mm bare-stranded copper coating criteria for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks (LAN), which retard fire and usually extinguish itself, and do not release toxic gases or smoke due to 4-pair, 4-color coded, unshielded twisted pairs enclosed in HFFR outer jacket; which are certified for passing the IEC 60332-1 IEC 60754 tests. Depending on the cable installation conditions, materials of production shall be charged by the relevant items (Payment for the pipes if cables are laid through pipes, or for the trays if cables are laid through cable trays)</p>	2,85	1,20

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.515.7020	<p><b>FTP CAT 5H HALOGEN-FREE 4 x 2 x 24 AWG. Unit: m.</b>                      (Materials on construction site: 60%). Supply, transportation to the work site, installation and testing, including any small material and labor, of 4 pairs of cables at ISO class D - CAT 5 H standard and complying with the 24 AWG 0.5 mm bare-stranded copper coating criteria for 100-Mbps data communication at 100 MHz bandwidth for horizontal installations of local area networks, which retard fire and usually extinguish itself, and do not release toxic gases or smoke due to 4-pair, 4-color coded, shielded twisted pairs enclosed in HFFR outer jacket; which are certified for passing the IEC 60332-1 IEC 60754 tests. Depending on the cable installation conditions, materials of production shall be charged by the relevant items (Payment for the pipes if cables are laid through pipes, or for the trays if cables are laid through cable trays)</p>	3,10	1,20
35.515.7030	<p><b>Utp Cat6H HALOGEN-FREE 4 x 2 x 23 AWG Unit: m</b>                      Materials on construction site: 60%. Supply, transportation to the work site, installation and testing, including any small material and labor, of 4 pairs of cables at ISO class D - CAT 6e standard and complying with the 23 AWG 0.57 mm bare-stranded copper coating criteria for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks, which retard fire and usually extinguish itself, and do not release toxic gases or smoke due to 4-pair, 4-color coded, unshielded twisted pairs enclosed in HFFR outer jacket; which are certified for passing the IEC 60332-1 IEC 60754 tests. Depending on the cable installation conditions, materials of production shall be charged by the relevant items (Payment for the pipes if cables are laid through pipes, or for the trays if cables are laid through cable trays)</p>	3,35	1,20
35.515.7040	<p><b>Ftp Cat 6H HALOGEN-FREE 4 x 2 x 23 AWG Unit: m</b> Supply, transportation to the work site, installation and testing, including any small material and labor, of 4 pairs of cables at ISO class D - CAT 6 H standard and complying with the 23 AWG 0.57 mm bare-stranded copper coating criteria for 250-Mbps data communication at 250 MHz bandwidth for horizontal installations of local area networks, which retard fire and usually extinguish itself, and do not release toxic gases or smoke due to 4-pair, 4-color coded, shielded twisted pairs enclosed in HFFR outer jacket; which are certified for passing the IEC 60332-1 and IEC 60754 tests. Depending on the cable installation conditions, materials of production shall be charged by the relevant items (Payment for the pipes if cables are laid through pipes, or for the trays if cables are laid through cable trays)</p>	4,20	1,20

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.520.0000</b>	<b>FIRE-RESISTANT CABLES</b>		
<b>35.520.5000</b>	<p><b>JE-H(St)H FE180 PH120 FIRE-PF, HALOGEN-FREE FIRE ALARM CABLES (Unit: m.) (VDE 0815)</b>                      Supply to the work site, including gateways and security pipes, any material and labor, of fire alarm cables used with security systems, communication, indoor and dry areas, with halogen-free and fireproof signal and communication cables with the cable core made by twisting in layers of the cladding insulated by a halogen-free jackets in compliance with TS EN 50290-2-26 in colors as per VDE 0815 over mono-annealed copper wire in compliance with TS EN 60228 fixed with polyester tape, wrapped in a special flame-retardant glass fiber tape along with an aluminum-coated polyester tape, screened with a tinned earth conductor, with an outer jacket in compliance with TSE K 178, colored RAL 3000 red or RAL 2003 orange, halogen-free outer jacket as per TS EN 50290-2-27, temperature in fixed conditions between -30°C to +70°C, provides circuit integrity for 180 minutes as per IEC 60331-21 and 120 minutes as per EN 50200, and certified for flame retardance as per TS EN 60332-1-2 and TS EN 60332-3-24, and for smoke density as per TS EN 61034-2. Note: HFFR pipe is included for the internal wiring.</p>		
35.520.5001	1 x 2 x 0.8 + 0.8 mm <sup>2</sup>	3,00	1,30
35.520.5002	2 x 2 x 0.8 + 0.8 mm <sup>2</sup>	4,05	1,30
35.520.5003	3 x 2 x 0.8 + 0.8 mm <sup>2</sup>	5,30	1,30
35.520.5004	4 x 2 x 0.8 + 0.8 mm <sup>2</sup>	6,55	1,30
35.520.5005	10 x 2 x 0.8 + 0.8 mm <sup>2</sup>	13,30	1,30
35.520.5006	1 x 2 x 1 + 0.8 mm <sup>2</sup>	3,45	1,30
35.520.5007	2 x 2 x 1 + 0.8 mm <sup>2</sup>	4,90	1,30
35.520.5008	3 x 2 x 1 + 0.8 mm <sup>2</sup>	6,75	1,30
35.520.5009	4 x 2 x 1 + 0.8 mm <sup>2</sup>	8,55	1,30
35.520.5010	10 x 2 x 1 + 0.8 mm <sup>2</sup>	18,70	1,30
35.520.5011	1 x 2 x 1.5 + 0.8 mm <sup>2</sup>	4,50	1,30
35.520.5012	2 x 2 x 1.5 + 0.8 mm <sup>2</sup>	6,80	1,30
35.520.5013	3 x 2 x 1.5 + 0.8 mm <sup>2</sup>	10,20	1,30
35.520.5014	4 x 2 x 1.5 + 0.8 mm <sup>2</sup>	13,50	1,30
35.520.5015	10 x 2 x 1.5 + 0.8 mm <sup>2</sup>	30,60	1,30

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.520.6000</b>	<p><b>LIH(St)H FE180 PH120 FIRE-PROOF, HALOGEN-FREE SIGNAL AND CONTROLLER CABLE (Unit: m) (VDE 0812)</b>                      Supply to the work site, including gateways and security pipes, any material and labor, of fire alarm cables used with security systems, communication, indoor and dry areas, with halogen-free and fireproof signal and communication cables with the cable core made by twisting in layers of the cladding insulated by a halogen-free jackets in compliance with TS EN 50290-2-26 in colors as per DIN 47100 over electrolytic copper wire in compliance with TS EN 60228 fixed with polyester tape, wrapped in a special flame-retardant glass fiber tape along with an aluminum-coated polyester tape, screened with a tinned earth conductor, with an outer jacket in compliance with TSE K 178, colored RAL 2003 orange as per DIN 47100, halogen-free outer jacket as per TS EN 50290-2-27, temperature in fixed conditions between -30°C to +70°C, provides circuit integrity for 180 minutes as per IEC 60331-21 and 120 minutes as per EN 50200, and certified for flame retardance as per TS EN 60332-1-2 and TS EN 60332-3-24, and for smoke density as per TS EN 61034-2. Note: HFFR pipe is included for the internal wiring.</p>		
35.520.6001	2 x 0.75 mm <sup>2</sup>	3,55	1,30
35.520.6002	3 x 0.75 mm <sup>2</sup>	4,05	1,30
35.520.6003	4 x 0.75 mm <sup>2</sup>	4,45	1,30
35.520.6004	5 x 0.75 mm <sup>2</sup>	5,25	1,30
35.520.6005	6 x 0.75 mm <sup>2</sup>	5,90	1,30
35.520.6006	7 x 0.75 mm <sup>2</sup>	6,40	1,30
35.520.6007	8 x 0.75 mm <sup>2</sup>	7,00	1,30
35.520.6008	10 x 0.75 mm <sup>2</sup>	8,40	1,30
35.520.6009	2 x 1 mm <sup>2</sup>	4,80	2,00
35.520.6010	3 x 1 mm <sup>2</sup>	5,45	2,00
35.520.6011	4 x 1 mm <sup>2</sup>	5,95	2,00
35.520.6012	5 x 1 mm <sup>2</sup>	6,85	2,00
35.520.6013	6 x 1 mm <sup>2</sup>	7,70	2,00
35.520.6014	7 x 1 mm <sup>2</sup>	8,35	2,00
35.520.6015	8 x 1 mm <sup>2</sup>	9,05	2,00
35.520.6016	10 x 1 mm <sup>2</sup>	10,90	2,00
35.520.6017	2 x 1.5 mm <sup>2</sup>	5,50	2,00
35.520.6018	3 x 1.5 mm <sup>2</sup>	6,35	2,00
35.520.6019	4 x 1.5 mm <sup>2</sup>	7,00	2,00
35.520.6020	5 x 1.5 mm <sup>2</sup>	8,20	2,00
35.520.6021	6 x 1.5 mm <sup>2</sup>	9,35	2,00
35.520.6022	7 x 1.5 mm <sup>2</sup>	10,40	2,00
35.520.6023	8 x 1.5 mm <sup>2</sup>	11,40	2,00
35.520.6024	10 x 1.5 mm <sup>2</sup>	13,70	2,00



**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.520.7000</b>	<b>LIHCH FE180 PH120 FIRE-PROOF, HALOGEN-FREE SIGNAL AND CONTROLLER CABLE (Unit: m) (VDE 0812)</b> Supply to the work site, including gateways and security pipes as well as any material and labor of halogen-free, unshielded control and internal connection cables, flexible cables used for signal and control cables used for connections of electronic systems, sound frequency transfer in any communication system, electronic data transfer, and industrial electronics, and made by twisting of cladding formed by insulation in colors in compliance with DIN 47100 and multiple twisted, annealed copper, halogen-free, flame-retardant materials in layers (operating temperature: -30 C and +70 C), shielded by AL-PES wrapping tape with an earthing wire, with the outer jacket that meets TS EN 50290-2-26 standard and is made of flame-retardant HFFR compound in RAL 7001 gray, in compliance with the standards TS 13734 :2017, IEC-332-1, IEC-332-3, IEC-60754, IEC-60332, TS EN 60332-1-2, TS EN 60754-1 and TS EN 61034-2, and certified for passing the flame test. Note: HFFR pipes are included for the internal wiring.		
35.520.7001	2x0.75 mm <sup>2</sup>	4,15	1,30
35.520.7002	3x0.75 mm <sup>2</sup>	5,05	1,30
35.520.7003	4x0.75 mm <sup>2</sup>	6,05	1,30
35.520.7004	5x0.75 mm <sup>2</sup>	7,20	1,30
35.520.7005	6x0.75 mm <sup>2</sup>	8,25	1,30
35.520.7006	7x0.75 mm <sup>2</sup>	9,00	1,30
35.520.7007	8x0.75 mm <sup>2</sup>	10,10	1,30
35.520.7008	10x0.75 mm <sup>2</sup>	12,20	1,30
35.520.7009	2x1.0 mm <sup>2</sup>	5,45	2,00
35.520.7010	3x1.0 mm <sup>2</sup>	6,50	2,00
35.520.7011	4x1.0 mm <sup>2</sup>	7,70	2,00
35.520.7012	5x1.0 mm <sup>2</sup>	9,00	2,00
35.520.7013	6x1.0 mm <sup>2</sup>	10,30	2,00
35.520.7014	7x1.0 mm <sup>2</sup>	11,30	2,00
35.520.7015	8x1.0 mm <sup>2</sup>	12,60	2,00
35.520.7016	10x1.0 mm <sup>2</sup>	14,90	2,00
35.520.7017	2x1.5 mm <sup>2</sup>	6,50	2,00
35.520.7018	3x1.5 mm <sup>2</sup>	7,90	2,00
35.520.7019	4x1.5 mm <sup>2</sup>	9,50	2,00
35.520.7020	5x1.5 mm <sup>2</sup>	11,50	2,00
35.520.7021	6x1.5 mm <sup>2</sup>	13,20	2,00
35.520.7022	7x1.5 mm <sup>2</sup>	14,40	2,00
35.520.7023	8x1.5 mm <sup>2</sup>	16,10	2,00
35.520.7024	10x1.5 mm <sup>2</sup>	19,70	2,00
35.520.7025	2x2.5 mm <sup>2</sup>	7,55	1,20
35.520.7026	3x2.5 mm <sup>2</sup>	10,10	1,20
35.520.7027	4x2.5 mm <sup>2</sup>	12,50	1,20
35.520.7028	5x2.5 mm <sup>2</sup>	15,80	1,20

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.520.7029	6x2.5 mm <sup>2</sup>	17,90	1,20
<b>35.540.0000</b>	<b>FIBER OPTIC CABLES</b>		
<b>35.540.1000</b>	<b>MULTI-MODE FIBER OPTIC CABLE (Unit: m.)</b> Multi-mode (MM) fiber optic cables are used for high-quality audio, data and video transfer at local area networks (LAN), closed circuit television (CCTV) systems, and industrial automation systems (SCADA). Fiber core/cladding diameter: 62.5 / 125 µm (OM1), 50/125 µm (OM2, OM3). It will be corrugated, grooved, with or without a steel wire armor, with an external polyethylene casing and "Thixotropic Gel" filling in buffer tubes to prevent water carryover. The maximum optical attenuation must be 3 dB/km at 850 nm and 1 dB/km at 1300 nm. It should meet TS EN 60793-1-1 and TS EN 60794-1-23 standards. It will be put into service only after it is terminated by "fusion splice" method using a special welding machine and tested end-to-end with an OTDR tester. Each fiber optic cable will be tested with an OTDR test device after it is laid and terminated in a termination box, and the test reports will be submitted to the administration. Any material and labor will be included.		
35.540.1001	Central Single Loose Tube with 2 fibers 1x2 62.5/125 OM1 MM Armored F/O Cable	6,40	3,45
35.540.1002	Central Single Loose Tube with 4 fibers 1x4 62.5/125 OM1 MM Armored F/O Cable	6,80	3,45
35.540.1003	Central Single Loose Tube with 6 fibers 1x6 62.5/125 OM1 MM Armored F/O Cable	7,45	3,45
35.540.1004	Central Single Loose Tube with 8 fibers 1x8 62.5/125 OM1 MM Armored F/O Cable	8,35	3,70
35.540.1005	Central Single Loose Tube with 12 fibers 1x12 62.5/125 OM1 MM Armored F/O Cable	10,10	4,00
35.540.1006	Central Single Loose Tube with 24 fibers 1x24 62.5/125 OM1 MM Armored F/O Cable	15,50	4,80
35.540.1007	Central Multi Loose Tube with 24 fibers 2x12 62.5/125 OM1 MM Armored F/O Cable	17,90	4,80
35.540.1008	Central Single Loose Tube with 2 fibers 1x2 62.5/125 OM1 MM Non-Armored F/O Cable	5,85	3,45
35.540.1009	Central Single Loose Tube with 4 fibers 1x4 62.5/125 OM1 MM Non-Armored F/O Cable	6,25	3,45
35.540.1010	Central Single Loose Tube with 6 fibers 1x6 62.5/125 OM1 MM Non-Armored F/O Cable	6,95	3,45
35.540.1011	Central Single Loose Tube with 8 fibers 1x8 62.5/125 OM1 MM Non-Armored F/O Cable	7,90	3,70
35.540.1012	Central Single Loose Tube with 12 fibers 1x12 62.5/125 OM1 MM Non-Armored F/O Cable	9,55	4,00
35.540.1013	Central Single Loose Tube with 24 fibers 1x24 62.5/125 OM1 MM Non-Armored F/O Cable	14,90	4,80
35.540.1014	Central Multi Loose Tube with 24 fibers 2x12 62.5/125 OM1 MM Non-Armored F/O Cable	16,80	4,80
35.540.1015	Central Single Loose Tube with 2 fibers 1x2 50/125 OM2 MM Armored F/O Cable	6,10	3,45
35.540.1016	Central Single Loose Tube with 4 fibers 1x4 50/125 OM2 MM Armored F/O Cable	6,25	3,45
35.540.1017	Central Single Loose Tube with 6 fibers 1x6 50/125 OM2 MM Armored F/O Cable	6,65	3,45

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.540.1018	Central Single Loose Tube with 8 fibers 1x8 50/125 OM2 MM Armored F/O Cable	7,30	3,70
35.540.1019	Central Single Loose Tube with 12 fibers 1x12 50/125 OM2 MM Armored F/O Cable	8,45	4,00
35.540.1020	Central Single Loose Tube with 24 fibers 1x24 50/125 OM2 MM Armored F/O Cable	12,50	4,80
35.540.1021	Central Multi Loose Tube with 24 fibers 2x12 50/125 OM2 MM Armored F/O Cable	14,70	4,80
35.540.1022	Central Single Loose Tube with 2 fibers 1x2 50/125 OM2 MM Non-Armored F/O Cable	5,55	3,45
35.540.1023	Central Single Loose Tube with 4 fibers 1x4 50/125 OM2 MM Non-Armored F/O Cable	5,75	3,45
35.540.1024	Central Single Loose Tube with 6 fibers 1x6 50/125 OM2 MM Non-Armored F/O Cable	6,15	3,45
35.540.1025	Central Single Loose Tube with 8 fibers 1x8 50/125 OM2 MM Non-Armored F/O Cable	6,75	3,70
35.540.1026	Central Single Loose Tube with 12 fibers 1x12 50/125 OM2 MM Non-Armored F/O Cable	7,85	4,00
35.540.1027	Central Single Loose Tube with 24 fibers 1x24 50/125 OM2 MM Non-Armored F/O Cable	11,70	4,80
35.540.1028	Central Multi Loose Tube with 24 fibers 2x12 50/125 OM2 MM Non-Armored F/O Cable	13,50	4,80
35.540.1029	Central Single Loose Tube with 2 fibers 1x2 50/125 OM3 MM Armored F/O Cable	6,85	3,45
35.540.1030	Central Single Loose Tube with 4 fibers 1x4 50/125 OM3 MM Armored F/O Cable	7,30	3,45
35.540.1031	Central Single Loose Tube with 6 fibers 1x6 50/125 OM3 MM Armored F/O Cable	8,25	3,45
35.540.1032	Central Single Loose Tube with 8 fibers 1x8 50/125 OM3 MM Armored F/O Cable	9,50	3,70
35.540.1033	Central Single Loose Tube with 12 fibers 1x12 50/125 OM3 MM Armored F/O Cable	11,70	4,00
35.540.1034	Central Single Loose Tube with 24 fibers 1x24 50/125 OM3 MM Armored F/O Cable	18,80	4,80
35.540.1035	Central Multi Loose Tube with 24 fibers 2x12 50/125 OM3 MM Armored F/O Cable	21,40	4,80
35.540.1036	Central Single Loose Tube with 2 fibers 1x2 50/125 OM3 MM Non-Armored F/O Cable	6,35	3,45
35.540.1037	Central Single Loose Tube with 4 fibers 1x4 50/125 OM3 MM Non-Armored F/O Cable	6,80	3,45
35.540.1038	Central Single Loose Tube with 6 fibers 1x6 50/125 OM3 MM Non-Armored F/O Cable	7,75	3,45
35.540.1039	Central Single Loose Tube with 8 fibers 1x8 50/125 OM3 MM Non-Armored F/O Cable	8,95	3,70
35.540.1040	Central Single Loose Tube with 12 fibers 1x12 50/125 OM3 MM Non-Armored F/O Cable	11,20	4,00
35.540.1041	Central Single Loose Tube with 24 fibers 1x24 50/125 OM3 MM Non-Armored F/O Cable	18,20	4,80
35.540.1042	Central Multi Loose Tube with 24 fibers 2x12 50/125 OM3 MM Non-Armored F/O Cable	20,30	4,80

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.540.2000</b>	<b>SINGLE-MODE FIBER OPTIC CABLE (Unit:m.)</b> Single-mode (SM) optical fiber cables are used for high-quality audio, data and video transfer over long distances at wide and local area networks (WAN - LAN), closed circuit television (CCTV) systems, industrial automation systems (SCADA), and cable TV systems. Fiber core/cladding diameter shall be 9/125 µm, and each cladding shall be wrapped in a buffer 250 microns in diameter. It will be corrugated, grooved, with or without a steel wire armor, with an external polyethylene casing, and "Thixotropic Gel" filling in buffer tubes to prevent water carryover. The maximum optical attenuation must be 0.38 dB/km at 1310 nm and 0.25 dB/km at 1550 nm. It should meet TS EN 60793-1-1 and TS EN 60794-1-23 standards. It will be put into service only after it is terminated by "fusion splice" method using a special welding machine and tested end-to-end with an OTDR tester. Each optical fiber cable will be tested with an OTDR test device after it is laid, and the test reports shall be submitted to the administration. Any material and labor will be included.		
35.540.2001	Central Single Loose Tube with 2 fibers 1x2 9/125 SM Armored F/O Cable	5,75	3,45
35.540.2002	Central Single Loose Tube with 4 fibers 1x4 9/125 SM Armored F/O Cable	5,90	3,45
35.540.2003	Central Single Loose Tube with 6 fibers 1x6 9/125 SM Armored F/O Cable	6,10	3,45
35.540.2004	Central Single Loose Tube with 8 fibers 1x8 9/125 SM Armored F/O Cable	6,55	3,70
35.540.2005	Central Single Loose Tube with 12 fibers 1x12 9/125 SM Armored F/O Cable	7,30	4,00
35.540.2006	Central Single Loose Tube with 24 fibers 1x24 9/125 SM Armored F/O Cable	10,00	4,80
35.540.2007	Central Multi Loose Tube with 24 fibers 2x12 9/125 SM Armored F/O Cable	11,90	4,80
35.540.2008	Central Single Loose Tube with 2 fibers 1x2 9/125 SM Non-Armored F/O Cable	5,20	3,45
35.540.2009	Central Single Loose Tube with 4 fibers 1x4 9/125 SM Non-Armored F/O Cable	5,35	3,45
35.540.2010	Central Single Loose Tube with 6 fibers 1x6 9/125 SM Non-Armored F/O Cable	5,55	3,45
35.540.2011	Central Single Loose Tube with 8 fibers 1x8 9/125 SM Non-Armored F/O Cable	6,05	3,70
35.540.2012	Central Single Loose Tube with 12 fibers 1x12 9/125 SM Non-Armored F/O Cable	6,80	4,00
35.540.2013	Central Single Loose Tube with 24 fibers 1x24 9/125 SM Non-Armored F/O Cable	9,35	4,80
35.540.2014	Central Multi Loose Tube with 24 fibers 2x12 9/125 SM Non-Armored F/O Cable	10,80	4,80

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.540.3000</b>	<b>MULTI-MODE FIBER OPTIC CABLE - LSOH (Unit: m.)</b> Multi-mode (MM) fiber optic cables are used for high-quality audio, data and video transfer at local area networks (LAN), closed circuit television (CCTV) systems, and industrial automation systems (SCADA). Fiber core/cladding diameter: 62.5 / 125 µm (OM1), 50/125 µm (OM2, OM3). It will be corrugated, grooved, with or without a steel wire armor, with an external LSOH casing and "Thixotropic Gel" filling in buffer tubes to prevent water carryover. The maximum optical attenuation must be 3 dB/km at 850 nm and 1 dB/km at 1300 nm. It should meet TS EN 60332-1, TS EN 60793-1-1, TS EN 60794-1-23, TS EN 61034-1/2 and TS EN 60754-1/2 standards. It will be put into service only after it is terminated by "fusion splice" method using a special welding machine and tested end-to-end with an OTDR tester. Each fiber optic cable will be tested with an OTDR test device after it is laid and terminated in a termination box, and the test reports will be submitted to the administration. Any material and labor will be included. Note: The item will be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, and the Regulation (EU) No. 305/2011 Construction Products. It will be released with a CE marking, and the Declaration of Performance by the manufacturer and Performance Stability Certificate issued by an organization accredited by the European Union.		
35.540.3001	Central Single Loose Tube with 2 fibers 1x2 62.5/125 OM1 MM Armored LSOH F/O Cable	7,00	3,45
35.540.3002	Central Single Loose Tube with 4 fibers 1x4 62.5/125 OM1 MM Armored LSOH F/O Cable	7,35	3,45
35.540.3003	Central Single Loose Tube with 6 fibers 1x6 62.5/125 OM1 MM Armored LSOH F/O Cable	8,00	3,45
35.540.3004	Central Single Loose Tube with 8 fibers 1x8 62.5/125 OM1 MM Armored LSOH F/O Cable	8,95	3,70
35.540.3005	Central Single Loose Tube with 12 fibers 1x12 62.5/125 OM1 MM Armored LSOH F/O Cable	10,60	4,00
35.540.3006	Central Single Loose Tube with 24 fibers 1x24 62.5/125 OM1 MM Armored LSOH F/O Cable	16,10	4,80
35.540.3007	Central Multi Loose Tube with 24 fibers 2x12 62.5/125 OM1 MM Armored LSOH F/O Cable	18,70	4,80
35.540.3008	Central Single Loose Tube with 2 fibers 1x2 62.5/125 OM1 MM Non-Armored LSOH F/O Cable	6,20	3,45
35.540.3009	Central Single Loose Tube with 4 fibers 1x4 62.5/125 OM1 MM Non-Armored LSOH F/O Cable	6,60	3,45
35.540.3010	Central Single Loose Tube with 6 fibers 1x6 62.5/125 OM1 MM Non-Armored LSOH F/O Cable	7,30	3,45
35.540.3011	Central Single Loose Tube with 8 fibers 1x8 62.5/125 OM1 MM Non-Armored LSOH F/O Cable	8,20	3,70
35.540.3012	Central Single Loose Tube with 12 fibers 1x12 62.5/125 OM1 MM Non-Armored LSOH F/O Cable	9,85	4,00
35.540.3013	Central Single Loose Tube with 24 fibers 1x24 62.5/125 OM1 MM Non-Armored LSOH F/O Cable	15,20	4,80
35.540.3014	Central Multi Loose Tube with 24 fibers 2x12 62.5/125 OM1 MM Non-Armored LSOH F/O Cable	17,50	4,80
35.540.3015	Central Single Loose Tube with 2 fibers 1x2 50/125 OM2 MM Armored LSOH F/O Cable	6,65	3,45
35.540.3016	Central Single Loose Tube with 4 fibers 1x4 50/125 OM2 MM Armored LSOH F/O Cable	6,80	3,45

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.540.3017	Central Single Loose Tube with 6 fibers 1x6 50/125 OM2 MM Armored LSOH F/O Cable	7,25	3,45
35.540.3018	Central Single Loose Tube with 8 fibers 1x8 50/125 OM2 MM Armored LSOH F/O Cable	7,90	3,70
35.540.3019	Central Single Loose Tube with 12 fibers 1x12 50/125 OM2 MM Armored LSOH F/O Cable	9,05	4,00
35.540.3020	Central Single Loose Tube with 24 fibers 1x24 50/125 OM2 MM Armored LSOH F/O Cable	12,90	4,80
35.540.3021	Central Multi Loose Tube with 24 fibers 2x12 50/125 OM2 MM Armored LSOH F/O Cable	15,50	4,80
35.540.3022	Central Single Loose Tube with 2 fibers 1x2 50/125 OM2 MM Non-Armored LSOH F/O Cable	5,90	3,45
35.540.3023	Central Single Loose Tube with 4 fibers 1x4 50/125 OM2 MM Non-Armored LSOH F/O Cable	6,05	3,45
35.540.3024	Central Single Loose Tube with 6 fibers 1x6 50/125 OM2 MM Non-Armored LSOH F/O Cable	6,50	3,45
35.540.3025	Central Single Loose Tube with 8 fibers 1x8 50/125 OM2 MM Non-Armored LSOH F/O Cable	7,15	3,70
35.540.3026	Central Single Loose Tube with 12 fibers 1x12 50/125 OM2 MM Non-Armored LSOH F/O Cable	8,30	4,00
35.540.3027	Central Single Loose Tube with 24 fibers 1x24 50/125 OM2 MM Non-Armored LSOH F/O Cable	12,10	4,80
35.540.3028	Central Multi Loose Tube with 24 fibers 2x12 50/125 OM2 MM Non-Armored LSOH F/O Cable	14,30	4,80
35.540.3029	Central Single Loose Tube with 2 fibers 1x2 50/125 OM3 MM Armored LSOH F/O Cable	7,45	3,45
35.540.3030	Central Single Loose Tube with 4 fibers 1x4 50/125 OM3 MM Armored LSOH F/O Cable	7,90	3,45
35.540.3031	Central Single Loose Tube with 6 fibers 1x6 50/125 OM3 MM Armored LSOH F/O Cable	8,80	3,45
35.540.3032	Central Single Loose Tube with 8 fibers 1x8 50/125 OM3 MM Armored LSOH F/O Cable	10,00	3,70
35.540.3033	Central Single Loose Tube with 12 fibers 1x12 50/125 OM3 MM Armored LSOH F/O Cable	12,20	4,00
35.540.3034	Central Single Loose Tube with 24 fibers 1x24 50/125 OM3 MM Armored LSOH F/O Cable	19,40	4,80
35.540.3035	Central Multi Loose Tube with 24 fibers 2x12 50/125 OM3 MM Armored LSOH F/O Cable	22,20	4,80
35.540.3036	Central Single Loose Tube with 2 fibers 1x2 50/125 OM3 MM Non-Armored LSOH F/O Cable	6,65	3,45
35.540.3037	Central Single Loose Tube with 4 fibers 1x4 50/125 OM3 MM Non-Armored LSOH F/O Cable	7,15	3,45
35.540.3038	Central Single Loose Tube with 6 fibers 1x6 50/125 OM3 MM Non-Armored LSOH F/O Cable	8,10	3,45
35.540.3039	Central Single Loose Tube with 8 fibers 1x8 50/125 OM3 MM Non-Armored LSOH F/O Cable	9,25	3,70
35.540.3040	Central Single Loose Tube with 12 fibers 1x12 50/125 OM3 MM Non-Armored LSOH F/O Cable	11,50	4,00

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.540.3041	Central Single Loose Tube with 24 fibers 1x24 50/125 OM3 MM Non-Armored LSOH F/O Cable	18,50	4,80
35.540.3042	Central Multi Loose Tube with 24 fibers 2x12 50/125 OM3 MM Non-Armored LSOH F/O Cable	21,00	4,80
<b>35.540.4000</b>	<p><b>SINGLE-MODE FIBER OPTIC CABLE - LSOH (Unit:m.)</b> Single-mode (SM) optical fiber cables are used for high-quality audio, data and video transfer over long distances at wide and local area networks (WAN - LAN), closed circuit television (CCTV) systems, industrial automation systems (SCADA), and cable TV systems. Fiber core/cladding diameter shall be 9/125 µm, and each cladding shall be wrapped in a buffer 250 microns in diameter. It will be corrugated, grooved, with or without a steel wire armor, with an external LSOH casing and "Thixotropic Gel" filling in buffer tubes to prevent water carryover. The maximum optical attenuation must be 0.38 dB/km at 1310 nm and 0.25 dB/km at 1550 nm. It should meet TS EN 60332-1, TS EN 60793-1-1, TS EN 60794-1-23, TS EN 61034-1/2 and TS EN 60754-1/2 standards. It will be put into service only after it is terminated by "fusion splice" method using a special welding machine and tested end-to-end with an OTDR tester. Each optical fiber cable will be tested with an OTDR test device after it is laid, and the test reports shall be submitted to the administration. Any material and labor will be included. Note: The item will be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, and the Regulation (EU) No. 305/2011 Construction Products. It will be released with a CE marking, and the Declaration of Performance by the manufacturer and Performance Stability Certificate issued by an organization accredited by the European Union.</p>		
35.540.4001	Central Single Loose Tube with 2 fibers 1x2 9/125 SM Armored LSOH F/O Cable	6,30	3,45
35.540.4002	Central Single Loose Tube with 4 fibers 1x4 9/125 SM Armored LSOH F/O Cable	6,40	3,45
35.540.4003	Central Single Loose Tube with 6 fibers 1x6 9/125 SM Armored LSOH F/O Cable	6,60	3,45
35.540.4004	Central Single Loose Tube with 8 fibers 1x8 9/125 SM Armored LSOH F/O Cable	7,10	3,70
35.540.4005	Central Single Loose Tube with 12 fibers 1x12 9/125 SM Armored LSOH F/O Cable	7,85	4,00
35.540.4006	Central Single Loose Tube with 24 fibers 1x24 9/125 SM Armored LSOH F/O Cable	10,60	4,80
35.540.4007	Central Multi Loose Tube with 24 fibers 2x12 9/125 SM Armored LSOH F/O Cable	12,70	4,80
35.540.4008	Central Single Loose Tube with 2 fibers 1x2 9/125 SM Non-Armored LSOH F/O Cable	5,55	3,45
35.540.4009	Central Single Loose Tube with 4 fibers 1x4 9/125 SM Non-Armored LSOH F/O Cable	5,65	3,45
35.540.4010	Central Single Loose Tube with 6 fibers 1x6 9/125 SM Non-Armored LSOH F/O Cable	5,90	3,45
35.540.4011	Central Single Loose Tube with 8 fibers 1x8 9/125 SM Non-Armored LSOH F/O Cable	6,35	3,70
35.540.4012	Central Single Loose Tube with 12 fibers 1x12 9/125 SM Non-Armored LSOH F/O Cable	7,10	4,00
35.540.4013	Central Single Loose Tube with 24 fibers 1x24 9/125 SM Non-Armored LSOH F/O Cable	9,70	4,80

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.540.4014	Central Multi Loose Tube with 24 fibers 2x12 9/125 SM Non-Armored LSOH F/O Cable	11,60	4,80
<b>35.545.0000</b>	<b>FIBER OPTIC CONNECTION COMPONENTS</b>		
<b>35.545.1000</b>	<b>PIG TAIL (Unit: Qty., Materials on construction site: 60%)</b> An optical fiber cable with a connector at one end, which is used in optical fiber termination sets. The exterior jacket is 0.9 mm in diameter. SM and MM optical fiber cables have outer jackets of the same diameter. Pigtail length is 1.5 m. It is available with ST, SC, FC, LC, MTRJ connectors. Interference loss values should be max. 0.3 dB, and the test results shall be submitted to the administration. Any material and labor shall be included.		
35.545.1001	SM LC pigtail	45,20	5,65
35.545.1002	SM SC pigtail	53,50	7,75
35.545.1003	SM FC pigtail	54,00	7,75
35.545.1004	SM MTRJ pigtail	65,50	8,90
35.545.1005	SM ST pigtail	43,20	5,65
35.545.1006	MM LC pigtail	29,30	3,45
35.545.1007	MM SC pigtail	27,90	3,45
35.545.1008	MM FC pigtail	58,50	7,95
35.545.1009	MM MTRJ pigtail	63,50	8,45
35.545.1010	MM ST pigtail	36,80	5,65
<b>35.545.2000</b>	<b>PATCH CORD (Unit: Qty., Materials on construction site: 60%)</b> An optical fiber cable with connectors at both ends, which is used for transmission between optical termination sets and active devices or among active devices. The exterior jacket is 3 mm in diameter. Patch cord length is 3 meters and 6 meters. SM and MM optical fiber cables have outer jackets of the same diameter. Type ST-SC-FC-LC-MTRJ connectors are available. Interference loss values should be below 0.3 dB, and the test results shall be submitted to the administration. Any material and labor shall be included.		
<b>35.545.2100</b>	<b>3-METER SM PATCHCORDS</b>		
35.545.2101	SM LC-LC patch cord	66,50	7,75
35.545.2102	SM LC-ST patch cord	55,50	6,40
35.545.2103	SM LC-SC patch cord	55,50	6,40
35.545.2104	SM LC-FC patch cord	60,50	6,95
35.545.2105	SM ST-ST patch cord	29,60	3,45
35.545.2106	SM ST-SC patch cord	34,30	4,00
35.545.2107	SM ST-FC patch cord	42,10	4,80
35.545.2108	SM SC-SC patch cord	36,60	4,20
35.545.2109	SM SC-FC patch cord	46,50	5,45
35.545.2110	SM FC-FC patch cord	50,50	5,80
35.545.2111	SM MTRJ-MTRJ patch cord	57,00	6,65
35.545.2112	SM MTRJ-ST patch cord	57,00	6,65
35.545.2113	SM MTRJ-SC patch cord	57,00	6,65
35.545.2114	SM MTRJ-LC patch cord	57,00	6,65
35.545.2115	SM MTRJ-FC patch cord	57,00	6,65
<b>35.545.2200</b>	<b>6-METER SM PATCHCORDS</b>		



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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.545.2201	SM LC-LC patch cord	71,00	7,95
35.545.2202	SM LC-ST patch cord	59,00	6,75
35.545.2203	SM LC-SC patch cord	59,00	6,75
35.545.2204	SM LC-FC patch cord	63,50	7,25
35.545.2205	SM ST-ST patch cord	33,70	4,00
35.545.2206	SM ST-SC patch cord	38,70	4,45
35.545.2207	SM ST-FC patch cord	47,10	5,45
35.545.2208	SM SC-SC patch cord	40,70	4,60
35.545.2209	SM SC-FC patch cord	49,10	5,65
35.545.2210	SM FC-FC patch cord	55,00	6,05
35.545.2211	SM MTRJ-MTRJ patch cord	61,00	7,00
35.545.2212	SM MTRJ-ST patch cord	61,00	7,00
35.545.2213	SM MTRJ-SC patch cord	61,00	7,00
35.545.2214	SM MTRJ-LC patch cord	61,00	7,00
35.545.2215	SM MTRJ-FC patch cord	61,00	7,00
<b>35.545.2300</b>	<b>3-METER MM PATCHCORDS</b>		
35.545.2301	MM LC-LC patch cord	81,50	9,45
35.545.2302	SM LC-ST patch cord	60,50	6,75
35.545.2303	SM LC-SC patch cord	62,50	7,25
35.545.2304	SM LC-FC patch cord	68,00	7,75
35.545.2305	MM ST-ST patch cord	23,30	2,85
35.545.2306	MM ST-SC patch cord	26,20	3,30
35.545.2307	MM ST-FC patch cord	58,00	6,65
35.545.2308	MM SC-SC patch cord	28,30	3,45
35.545.2309	MM SC-FC patch cord	59,00	6,75
35.545.2310	MM FC-FC patch cord	62,00	6,95
35.545.2311	MM MTRJ-MTRJ patch cord	57,00	6,65
35.545.2312	MM MTRJ-ST patch cord	57,00	6,65
35.545.2313	MM MTRJ-SC patch cord	57,00	6,65
35.545.2314	MM MTRJ-LC patch cord	57,00	6,65
35.545.2315	MM MTRJ-FC patch cord	57,00	6,65
<b>35.545.2400</b>	<b>6-METER MM PATCHCORDS</b>		
35.545.2401	MM LC-LC patch cord	86,50	9,90
35.545.2402	SM LC-ST patch cord	65,50	7,65
35.545.2403	SM LC-SC patch cord	68,00	7,75
35.545.2404	SM LC-FC patch cord	71,00	7,95
35.545.2405	MM ST-ST patch cord	28,20	3,30
35.545.2406	MM ST-SC patch cord	31,00	3,45
35.545.2407	MM ST-FC patch cord	63,50	7,25
35.545.2408	MM SC-SC patch cord	33,70	4,00
35.545.2409	MM SC-FC patch cord	63,50	7,25

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.545.2410	MM FC-FC patch cord	66,50	7,75
35.545.2411	MM MTRJ-MTRJ patch cord	57,00	6,65
35.545.2412	MM MTRJ-ST patch cord	57,00	6,65
35.545.2413	MM MTRJ-SC patch cord	57,00	6,65
35.545.2414	MM MTRJ-LC patch cord	57,00	6,65
35.545.2415	MM MTRJ-FC patch cord	57,00	6,65
<b>35.545.3000</b>	<p><b>Rack Mount Fiber Optic Termination (Unit: Qty., Materials on construction site: 60%):</b>                      To be used for connecting optical fiber equipment for high-quality and wideband data, audio and video transfer on local area networks, closed circuit television systems, industrial automation systems, telecommunication rooms, and between transfer points with min. 90-meter distance to each other. 1U-high, compatible with 19" rack cabinets, and optical fiber cables of ITU G 651, 652 and 655 standards, equipped with two detachable and (V0) fireproof plastic adapter panels, fireproof plastic dust caps for unused adapter slots, additional modular cassettes made of fireproof plastic with transparent covers and min. 16 fiber capacity each for direct transmissions and terminations; cable inputs on the sides and at the back compatible with cable inputs, outputs and tee connectors and equipped with plastic dust caps compatible with such inputs; and adapters, panels, additional cassettes and additional guards, and available for insertion of simplex and duplex ST, SC, FC, LC, MTRJ optical adapters. Any material and labor shall be included.</p>		
35.545.3001	4 Fiber ST / MM	352,00	173,00
35.545.3002	6 Fiber ST / MM	360,00	176,00
35.545.3003	8 Fiber ST / MM	370,00	182,00
35.545.3004	12 Fiber ST / MM	387,00	189,00
35.545.3005	24 Fiber ST / MM	623,00	304,00
35.545.3006	4 Fiber SC / MM	354,00	173,00
35.545.3007	6 Fiber SC / MM	368,00	178,00
35.545.3008	8 Fiber SC / MM	380,00	186,00
35.545.3009	12 Fiber SC / MM	402,00	197,00
35.545.3010	24 Fiber SC / MM	563,00	276,00
35.545.3011	4 Fiber FC / MM	380,00	186,00
35.545.3012	6 Fiber FC / MM	406,00	198,00
35.545.3013	8 Fiber FC / MM	432,00	212,00
35.545.3014	12 Fiber FC / MM	482,00	235,00
35.545.3015	4 Fiber MTRJ / MM	350,00	173,00
35.545.3016	6 Fiber MTRJ / MM	360,00	176,00
35.545.3017	8 Fiber MTRJ / MM	362,00	177,00
35.545.3018	12 Fiber MTRJ / MM	372,00	182,00
35.545.3019	24 Fiber MTRJ / MM	505,00	246,00
35.545.3020	4 Fiber LC / MM	380,00	186,00
35.545.3021	6 Fiber LC / MM	399,00	197,00

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ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.545.3022	8 Fiber LC / MM	421,00	205,00
35.545.3023	12 Fiber LC / MM	462,00	225,00
35.545.3024	24 Fiber LC / MM	664,00	324,00
35.545.3025	4 Fiber ST / SM	362,00	177,00
35.545.3026	6 Fiber ST / SM	378,00	186,00
35.545.3027	8 Fiber ST / SM	391,00	192,00
35.545.3028	12 Fiber ST / SM	422,00	205,00
35.545.3029	24 Fiber ST / SM	687,00	334,00
35.545.3030	4 Fiber SC / SM	376,00	184,00
35.545.3031	6 Fiber SC / SM	395,00	195,00
35.545.3032	8 Fiber SC / SM	418,00	203,00
35.545.3033	12 Fiber SC / SM	461,00	225,00
35.545.3034	24 Fiber SC / SM	578,00	283,00
35.545.3035	4 Fiber FC / SM	380,00	186,00
35.545.3036	6 Fiber FC / SM	406,00	198,00
35.545.3037	8 Fiber FC / SM	432,00	212,00
35.545.3038	12 Fiber FC / SM	482,00	235,00
35.545.3039	4 Fiber MTRJ / SM	352,00	173,00
35.545.3040	6 Fiber MTRJ / SM	360,00	176,00
35.545.3041	8 Fiber MTRJ / SM	363,00	177,00
35.545.3042	12 Fiber MTRJ / SM	376,00	184,00
35.545.3043	24 Fiber MTRJ / SM	510,00	247,00
35.545.3044	4 Fiber LC / SM	387,00	189,00
35.545.3045	6 Fiber LC / SM	411,00	202,00
35.545.3046	8 Fiber LC / SM	435,00	213,00
35.545.3047	12 Fiber LC / SM	486,00	237,00
35.545.3048	24 Fiber LC / SM	712,00	348,00
<b>35.545.4000</b>	<p><b>Rack Mount Fiber Optic Termination (Unit: Qty., Materials on construction site: 60%)</b>                      To be used for connecting optical fiber equipment for high-quality and wideband data, audio and video transfer on local area networks, closed circuit television systems, industrial automation systems, telecommunication rooms, and between transfer points with min. 90-meter distance to each other. 4U-high, compatible with 19" rack cabinets, and optical fiber cables of ITU G 651, 652 and 655 standards, equipped with min. 14 detachable and (V0) fireproof plastic adapter panels, fireproof plastic dust caps for unused adapter slots, additional modular cassettes made of fireproof plastic with transparent covers, special compartments for 5 cassettes, a fiber distribution panel, and min. 16 fiber capacity each for direct transmissions and terminations; cable inputs on the sides and at the back compatible with cable inputs, outputs and tee connectors and equipped with plastic dust caps compatible with such inputs; and adapters, panels, additional cassettes and additional guards, and available for insertion of simplex and duplex ST, SC, FC, LC, MTRJ optical adapters. Any material and labor shall be included.</p>		
35.545.4001	4 Fiber ST / MM	647,00	318,00

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.545.4002	6 Fiber ST / MM	658,00	322,00
35.545.4003	8 Fiber ST / MM	665,00	324,00
35.545.4004	12 Fiber ST / MM	685,00	334,00
35.545.4005	24 Fiber ST / MM	859,00	418,00
35.545.4006	36 Fiber ST / MM	1.020,00	494,00
35.545.4007	48 Fiber ST / MM	1.150,00	560,00
35.545.4008	4 Fiber SC / MM	652,00	321,00
35.545.4009	6 Fiber SC / MM	663,00	324,00
35.545.4010	8 Fiber SC / MM	671,00	324,00
35.545.4011	12 Fiber SC / MM	701,00	342,00
35.545.4012	24 Fiber SC / MM	885,00	430,00
35.545.4013	36 Fiber SC / MM	1.060,00	516,00
35.545.4014	48 Fiber SC / MM	1.210,00	589,00
35.545.4015	4 Fiber FC / MM	677,00	328,00
35.545.4016	6 Fiber FC / MM	702,00	343,00
35.545.4017	8 Fiber FC / MM	727,00	355,00
35.545.4018	12 Fiber FC / MM	777,00	377,00
35.545.4019	24 Fiber FC / MM	795,00	387,00
35.545.4020	36 Fiber FC / MM	1.310,00	632,00
35.545.4021	48 Fiber FC / MM	1.540,00	739,00
35.545.4022	4 Fiber MTRJ / MM	646,00	318,00
35.545.4023	6 Fiber MTRJ / MM	664,00	324,00
35.545.4024	8 Fiber MTRJ / MM	677,00	328,00
35.545.4025	12 Fiber MTRJ / MM	719,00	348,00
35.545.4026	24 Fiber MTRJ / MM	916,00	448,00
35.545.4027	36 Fiber MTRJ / MM	971,00	347,00
35.545.4028	48 Fiber MTRJ / MM	1.380,00	671,00
35.545.4029	4 Fiber LC / MM	677,00	328,00
35.545.4030	6 Fiber LC / MM	701,00	342,00
35.545.4031	8 Fiber LC / MM	720,00	351,00
35.545.4032	12 Fiber LC / MM	768,00	376,00
35.545.4033	24 Fiber LC / MM	1.020,00	493,00
35.545.4034	36 Fiber LC / MM	1.260,00	607,00
35.545.4035	48 Fiber LC / MM	1.470,00	704,00
35.545.4036	4 Fiber ST / SM	658,00	322,00
35.545.4037	6 Fiber ST / SM	674,00	327,00
35.545.4038	8 Fiber ST / SM	687,00	334,00
35.545.4039	12 Fiber ST / SM	719,00	348,00
35.545.4040	24 Fiber ST / SM	927,00	452,00
35.545.4041	36 Fiber ST / SM	1.120,00	542,00
35.545.4042	48 Fiber ST / SM	1.260,00	567,00

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.545.4043	4 Fiber SC / SM	670,00	326,00
35.545.4044	6 Fiber SC / SM	690,00	336,00
35.545.4045	8 Fiber SC / SM	711,00	347,00
35.545.4046	12 Fiber SC / SM	756,00	368,00
35.545.4047	24 Fiber SC / SM	998,00	486,00
35.545.4048	36 Fiber SC / SM	1.230,00	595,00
35.545.4049	48 Fiber SC / SM	1.440,00	700,00
35.545.4050	4 Fiber FC / SM	677,00	328,00
35.545.4051	6 Fiber FC / SM	702,00	343,00
35.545.4052	8 Fiber FC / SM	727,00	355,00
35.545.4053	12 Fiber FC / SM	777,00	377,00
35.545.4054	24 Fiber FC / SM	795,00	387,00
35.545.4055	36 Fiber FC / SM	1.310,00	627,00
35.545.4056	48 Fiber FC / SM	1.540,00	739,00
35.545.4057	4 Fiber MTRJ / SM	647,00	318,00
35.545.4058	6 Fiber MTRJ / SM	665,00	324,00
35.545.4059	8 Fiber MTRJ / SM	677,00	328,00
35.545.4060	12 Fiber MTRJ / SM	720,00	351,00
35.545.4061	24 Fiber MTRJ / SM	922,00	450,00
35.545.4062	36 Fiber MTRJ / SM	1.100,00	533,00
35.545.4063	48 Fiber MTRJ / SM	1.410,00	678,00
35.545.4064	4 Fiber LC / SM	685,00	334,00
35.545.4065	6 Fiber LC / SM	711,00	347,00
35.545.4066	8 Fiber LC / SM	738,00	362,00
35.545.4067	12 Fiber LC / SM	795,00	387,00
35.545.4068	24 Fiber LC / SM	1.060,00	516,00
35.545.4069	36 Fiber LC / SM	1.330,00	642,00
35.545.4070	48 Fiber LC / SM	1.560,00	755,00
<b>35.545.5000</b>	<p><b>Wall Mount Fiber Optical Termination (Unit: Qty., Materials on construction site: 60%)</b>                      Compatible with lightweight, ABS, "V0" fireproof fiber cables with plastic, lockable cover in ITU G 651, 652 and 655 standards as well as simplex and duplex adapters body used for connection of optical fiber equipment, equipped with fireproof plastic dust caps on idle adapter slots, additional cassettes integrated with the housing, 12 fiber capacity, and with cable inputs and outputs compatible with tee connectors, and cable inputs on the top and on the bottom, and with adapters, panels, additional guards, and equipped with a detachable (V0) fireproof adapter panel and an adapter panel that is compatible with ST, SC, FC, LC, MTRJ optical adapters, for high-quality and wideband data, audio and video transfer at all transmission points positioned farther than 90 meters to each other in local area networks, closed circuit television systems, industrial automation systems or telecommunication rooms. Any material and labor shall be included.</p>		
35.545.5001	4 Fiber ST / MM	281,00	135,00

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.545.5002	6 Fiber ST / MM	290,00	143,00
35.545.5003	8 Fiber ST / MM	298,00	144,00
35.545.5004	12 Fiber ST / MM	316,00	154,00
35.545.5005	4 Fiber SC / MM	285,00	139,00
35.545.5006	6 Fiber SC / MM	297,00	144,00
35.545.5007	8 Fiber SC / MM	310,00	152,00
35.545.5008	12 Fiber SC / MM	326,00	157,00
35.545.5009	4 Fiber FC / MM	310,00	152,00
35.545.5010	6 Fiber FC / MM	336,00	164,00
35.545.5011	4 Fiber MTRJ / MM	278,00	135,00
35.545.5012	6 Fiber MTRJ / MM	289,00	142,00
35.545.5013	8 Fiber MTRJ / MM	297,00	144,00
35.545.5014	12 Fiber MTRJ / MM	313,00	153,00
35.545.5015	4 Fiber LC / MM	310,00	152,00
35.545.5016	6 Fiber LC / MM	331,00	163,00
35.545.5017	8 Fiber LC / MM	354,00	173,00
35.545.5018	12 Fiber LC / MM	402,00	197,00
35.545.5019	4 Fiber ST / SM	293,00	143,00
35.545.5020	6 Fiber ST / SM	308,00	152,00
35.545.5021	8 Fiber ST / SM	322,00	157,00
35.545.5022	4 Fiber SC / SM	304,00	149,00
35.545.5023	6 Fiber SC / SM	324,00	157,00
35.545.5024	8 Fiber SC / SM	346,00	169,00
35.545.5025	12 Fiber SC / SM	380,00	186,00
35.545.5026	4 Fiber FC / SM	310,00	152,00
35.545.5027	6 Fiber FC / SM	336,00	164,00
35.545.5028	12 Fiber MTRJ / SM	316,00	154,00
35.545.5029	4 Fiber LC / SM	316,00	154,00
35.545.5030	6 Fiber LC / SM	345,00	169,00
35.545.5031	8 Fiber LC / SM	372,00	182,00
35.545.5032	12 Fiber LC / SM	423,00	205,00

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.545.6000</b>	<p><b>Wall Mount Fiber Optical Termination (Unit: Qty., Materials on construction site: 60%):</b>                      To be used for connecting optical fiber equipment for high-quality and wideband data, audio and video transfer on local area networks, closed circuit television systems, industrial automation systems, telecommunication rooms, and between transfer points with min. 90-meter distance to each other. Locked, with two covers and the additional cassette compartment and the panel connection compartment accessible through separate covers, and optical fiber cables of ITU G 651, 652 and 655 standards, equipped with 4 detachable and (V0) fireproof plastic adapter panels, fireproof plastic dust caps for idle adapter slots, additional modular cassettes made of fireproof plastic with transparent covers, compartments with min. 3 additional cassettes, a fiber distribution panel, and min. 16 fiber capacity each for direct transmissions and terminations; cable inputs on the sides and at the back compatible with cable inputs, outputs and tee connectors and equipped with plastic dust caps compatible with such inputs; and adapters, panels, additional cassettes and additional guards, and available for insertion of simplex and duplex ST, SC, FC, LC, MTRJ optical adapters. Any material and labor shall be included.</p>		
35.545.6001	4 Fiber ST / MM	383,00	186,00
35.545.6002	6 Fiber ST / MM	394,00	195,00
35.545.6003	8 Fiber ST / MM	405,00	198,00
35.545.6004	12 Fiber ST / MM	425,00	211,00
35.545.6005	24 Fiber ST / MM	599,00	293,00
35.545.6006	36 Fiber ST / MM	757,00	371,00
35.545.6007	48 Fiber ST / MM	894,00	435,00
35.545.6008	4 Fiber SC / MM	389,00	192,00
35.545.6009	6 Fiber SC / MM	387,00	189,00
35.545.6010	8 Fiber SC / MM	412,00	202,00
35.545.6011	12 Fiber SC / MM	435,00	213,00
35.545.6012	24 Fiber SC / MM	623,00	304,00
35.545.6013	36 Fiber SC / MM	801,00	391,00
35.545.6014	48 Fiber SC / MM	944,00	462,00
35.545.6015	4 Fiber FC / MM	415,00	203,00
35.545.6016	6 Fiber FC / MM	440,00	216,00
35.545.6017	8 Fiber FC / MM	465,00	226,00
35.545.6018	12 Fiber FC / MM	514,00	254,00
35.545.6019	24 Fiber FC / MM	779,00	378,00
35.545.6020	36 Fiber FC / MM	1.040,00	502,00
35.545.6021	48 Fiber FC / MM	1.270,00	613,00
35.545.6022	4 Fiber MTRJ / MM	381,00	186,00
35.545.6023	6 Fiber MTRJ / MM	391,00	192,00
35.545.6024	8 Fiber MTRJ / MM	402,00	197,00
35.545.6025	12 Fiber MTRJ / MM	437,00	213,00
35.545.6026	24 Fiber MTRJ / MM	649,00	321,00

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.545.6027	36 Fiber MTRJ / MM	766,00	376,00
35.545.6028	48 Fiber MTRJ / MM	859,00	418,00
35.545.6029	4 Fiber LC / MM	412,00	202,00
35.545.6030	6 Fiber LC / MM	435,00	213,00
35.545.6031	8 Fiber LC / MM	462,00	225,00
35.545.6032	12 Fiber LC / MM	488,00	232,00
35.545.6033	24 Fiber LC / MM	766,00	376,00
35.545.6034	36 Fiber LC / MM	986,00	481,00
35.545.6035	48 Fiber LC / MM	1.200,00	583,00
35.545.6036	4 Fiber ST / SM	395,00	195,00
35.545.6037	6 Fiber ST / SM	411,00	202,00
35.545.6038	8 Fiber ST / SM	427,00	211,00
35.545.6039	12 Fiber ST / SM	460,00	225,00
35.545.6040	24 Fiber ST / SM	665,00	324,00
35.545.6041	36 Fiber ST / SM	859,00	418,00
35.545.6042	48 Fiber ST / SM	1.030,00	501,00
35.545.6043	4 Fiber SC / SM	410,00	198,00
35.545.6044	6 Fiber SC / SM	415,00	203,00
35.545.6045	8 Fiber SC / SM	453,00	221,00
35.545.6046	12 Fiber SC / SM	491,00	239,00
35.545.6047	24 Fiber SC / SM	738,00	362,00
35.545.6048	36 Fiber SC / SM	965,00	472,00
35.545.6049	48 Fiber SC / SM	1.180,00	570,00
35.545.6050	4 Fiber FC / SM	415,00	203,00
35.545.6051	6 Fiber FC / SM	440,00	216,00
35.545.6052	8 Fiber FC / SM	465,00	226,00
35.545.6053	12 Fiber FC / SM	514,00	254,00
35.545.6054	24 Fiber FC / SM	779,00	378,00
35.545.6055	36 Fiber FC / SM	1.040,00	502,00
35.545.6056	48 Fiber FC / SM	1.270,00	613,00
35.545.6057	4 Fiber MTRJ / SM	383,00	186,00
35.545.6058	6 Fiber MTRJ / SM	394,00	195,00
35.545.6059	8 Fiber MTRJ / SM	404,00	198,00
35.545.6060	12 Fiber MTRJ / SM	440,00	216,00
35.545.6061	24 Fiber MTRJ / SM	655,00	321,00
35.545.6062	36 Fiber MTRJ / SM	773,00	376,00
35.545.6063	48 Fiber MTRJ / SM	870,00	423,00
35.545.6064	4 Fiber LC / SM	422,00	205,00
35.545.6065	6 Fiber LC / SM	449,00	221,00
35.545.6066	8 Fiber LC / SM	478,00	234,00
35.545.6067	12 Fiber LC / SM	531,00	261,00



**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.545.6068	24 Fiber LC / SM	815,00	396,00
35.545.6069	36 Fiber LC / SM	1.060,00	516,00
35.545.6070	48 Fiber LC / SM	1.310,00	632,00
<b>35.545.7000</b>	<b>PE Optical Fiber Cable Protection Pipes (Unit: m.)</b> Installation, including any material and labor, of polyethylene pipes in minimum 450 N pressure class. They will be used as cable protection pipes in telecommunication infrastructure systems. They must meet EN50086-2-4 and EN 61386-24 standards.		
35.545.7001	single pipe, Ø32 mm	4,05	1,15
35.545.7002	single pipe, Ø40 mm	5,05	1,15
35.545.7003	dual multiplexer pipe, Ø2 x 32 mm	7,60	1,15
35.545.7004	dual multiplexer pipe, Ø2 x 40 mm	9,30	1,15
35.545.7005	triple multiplexer pipe, Ø40 x 32 x 32 mm	9,85	1,15
<b>35.550.0000</b>	<b>RACK CABINETS (Unit: Qty., Materials on construction site: 60%)</b> (As per TS EN 61587-1)		
<b>35.550.1000</b>	<b>Wall-mounted cabinets:</b> Supply, and installation in working order, including any small material, of cabinets coated with electrostatic powder paint, with type tests conducted and results submitted to the administration; min. 2-mm-thick back covers and internal rails (2 in front, 2 at the back), min. 1.5-mm-thick DKP sheet metal internal surfaces, 19-inch-wide gaps between the rails, bottom chassis with a cable input section that prevents dust ingress and secures cables, key-lock, detachable front and side covers, front cover made of tempered, anti-static, secure, smoke gray glass with 4-mm grinding and 135 degrees of angle, which can be opened with a key and detached, with at least a 3-cm diameter screw-fixed frame with metal fittings around the glass that hold it to enhance its strength, with ventilation gratings on the top and/or side surfaces, with the edges of the holes on the rails sized min. $9.5 \pm 0.01$ mm each, and with the rails moveable along the depth of the cabinet.		
35.550.1001	7U 600 mm x 500 mm 19" cabinet	363,00	12,10
35.550.1002	9U 600 mm x 500 mm 19" cabinet	407,00	12,10
35.550.1003	12U 600 mm x 500 mm 19" cabinet	461,00	12,10
35.550.1004	7U 600 mm x 600 mm 19" cabinet	417,00	12,10
35.550.1005	9U 600 mm x 600 mm 19" cabinet	453,00	12,10
35.550.1006	12U 600 mm x 600 mm 19" cabinet	513,00	12,10

**Low Current Interior Wiring**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.550.2000</b>	<p><b>Floor-standing cabinets:</b> Cabinets shall be coated with electrostatic powder paint, with lockable castors with 200 kg capacity, type tests conducted and results submitted to the administration; min. 2-mm-thick back covers and internal rails (2 in front, 2 at the back), min. 1.5-mm-thick DKP sheet metal internal surfaces, 19-inch-wide gaps between the rails, bottom chassis with a cable input section that prevents dust ingress and secures cables, key-lock, detachable front, back and side covers, front cover made of tempered, anti-static, secure, smoke gray glass with 4-mm grinding and 135 degrees of angle, which can be opened with a key and detached, with at least a 3-cm diameter screw-fixed frame with metal fittings around the glass that hold it to enhance its strength, with ventilation gratings on the top and/or side surfaces, with the edges of the holes on the rails sized <math>9.5 \pm 0.01</math> mm each, and with the rails movable along the depth of the cabinet, designed to access the fan group when the top cover and/or the cap is removed.</p>		
35.550.2001	15U 600 mm x 600 mm 19" floor-standing cabinet	571,00	12,10
35.550.2002	16U 600 mm x 600 mm 19" floor-standing cabinet	733,00	12,10
35.550.2003	20U 600 mm x 600 mm 19" floor-standing cabinet	872,00	12,10
35.550.2004	25U 600 mm x 600 mm 19" floor-standing cabinet	917,00	12,10
35.550.2005	27U 600 mm x 600 mm 19" floor-standing cabinet	958,00	12,10
35.550.2006	30U 600 mm x 600 mm 19" floor-standing cabinet	1.460,00	12,10
35.550.2007	32U 600 mm x 600 mm 19" floor-standing cabinet	1.510,00	8,45
35.550.2008	35U 600 mm x 600 mm 19" floor-standing cabinet	1.570,00	8,45
35.550.2009	37U 600 mm x 600 mm 19" floor-standing cabinet	1.620,00	8,45
35.550.2010	39U 600 mm x 600 mm 19" floor-standing cabinet	1.670,00	8,45
35.550.2011	42U 600 mm x 600 mm 19" floor-standing cabinet	1.790,00	8,45
35.550.2012	45U 600 mm x 600 mm 19" floor-standing cabinet	1.920,00	8,45
35.550.2013	15U 600 mm x 800 mm 19" floor-standing cabinet	737,00	8,45
35.550.2014	16U 600 mm x 800 mm 19" floor-standing cabinet	893,00	8,45
35.550.2015	20U 600 mm x 800 mm 19" floor-standing cabinet	1.130,00	8,45
35.550.2016	25U 600 mm x 800 mm 19" floor-standing cabinet	1.240,00	8,45
35.550.2017	27U 600 mm x 800 mm 19" floor-standing cabinet	1.310,00	8,45
35.550.2018	30U 600 mm x 800 mm 19" floor-standing cabinet	1.480,00	8,45
35.550.2019	32U 600 mm x 800 mm 19" floor-standing cabinet	1.530,00	8,45
35.550.2020	35U 600 mm x 800 mm 19" floor-standing cabinet	1.610,00	8,45
35.550.2021	37U 600 mm x 800 mm 19" floor-standing cabinet	1.630,00	8,45
35.550.2022	39U 600 mm x 800 mm 19" floor-standing cabinet	1.680,00	8,45
35.550.2023	42U 600 mm x 800 mm 19" floor-standing cabinet	1.510,00	7,70
35.550.2024	45U 600 mm x 800 mm 19" floor-standing cabinet	1.610,00	7,70
35.550.2025	30U 800 mm x 800 mm 19" floor-standing cabinet	1.270,00	7,70
35.550.2026	32U 800 mm x 800 mm 19" floor-standing cabinet	1.310,00	7,70

### Low Current Interior Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.550.2027	35U 800 mm x 800 mm 19" floor-standing cabinet	1.370,00	7,70
35.550.2028	37U 800 mm x 800 mm 19" floor-standing cabinet	1.390,00	7,70
35.550.2029	39U 800 mm x 800 mm 19" floor-standing cabinet	1.430,00	7,70
35.550.2030	42U 800 mm x 800 mm 19" floor-standing cabinet	1.560,00	7,70
35.550.2031	45U 800 mm x 800 mm 19" floor-standing cabinet	1.630,00	7,70
<b>35.550.3000</b>	<b>Server cabinets</b>		
35.550.3001	30U 800 mm x 1000 mm 19" Server cabinet	1.940,00	7,70
35.550.3002	32U 800 mm x 1000 mm 19" Server cabinet	1.990,00	7,70
35.550.3003	35U 800 mm x 1000 mm 19" Server cabinet	2.120,00	7,70
35.550.3004	37U 800 mm x 1000 mm 19" Server cabinet	2.170,00	7,70
35.550.3005	39U 800 mm x 1000 mm 19" Server cabinet	2.260,00	7,70
35.550.3006	42U 800 mm x 1000 mm 19" Server cabinet	2.480,00	7,70
35.550.3007	45U 800 mm x 1000 mm 19" Server cabinet	2.590,00	7,70
<b>35.550.4000</b>	<b>Product Accessories:</b>		
35.550.4001	Fixed shelf for 500 mm depth	29,30	
35.550.4002	Fixed shelf for 600 mm depth	31,30	
35.550.4003	Fixed shelf for 800 mm depth	38,80	
35.550.4004	Fixed shelf for 1000 mm depth	49,70	
35.550.4005	Adjustable shelf for 600 mm depth	59,50	
35.550.4006	Adjustable shelf for 800 mm depth	74,50	
35.550.4007	Adjustable shelf for 1000 mm depth	93,50	
35.550.4008	Brake castor group (Front wheels with brakes)	105,00	
35.550.4009	Thermostatic fan module (1 fan)	112,00	7,70
35.550.4010	Thermostatic fan module (2 fans)	147,00	7,70
35.550.4011	Thermostatic fan module (4 fans)	208,00	7,70
35.550.4012	19" rack-type 3-outlet socket with switch	34,10	7,70
35.550.4013	19" rack-type 4-outlet socket with switch	45,00	7,70
35.550.4014	19" rack-type 6-outlet socket with switch	59,00	7,70
35.550.4015	19" rack-type 8-outlet socket with switch	70,50	7,70
35.550.4016	19" rack-type 4-outlet socket with fuse	106,00	7,70
35.550.4017	19" rack-type 6-outlet socket with fuse	117,00	7,70
35.550.4018	19" rack-type 8-outlet socket with fuse	147,00	7,70
35.550.4019	19" 1U horizontal cable organizer	32,00	7,70
35.550.4020	19" 2U horizontal cable organizer	40,60	7,70
35.550.4021	7U vertical cable organizer (single side)	24,60	7,70
35.550.4022	9U vertical cable organizer (single side)	26,60	7,70
35.550.4023	12U vertical cable organizer (single side)	27,00	7,70
35.550.4024	15U vertical cable organizer (single side)	32,00	7,70
35.550.4025	16U vertical cable organizer (single side)	34,10	7,70
35.550.4026	20U vertical cable organizer (single side)	40,60	7,70
35.550.4027	25U vertical cable organizer (single side)	49,10	7,70

**Low Current Interior Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.550.4028	27U vertical cable organizer (single side)	52,50	7,70
35.550.4029	30U vertical cable organizer (single side)	57,00	7,70
35.550.4030	32U vertical cable organizer (single side)	59,00	7,70
35.550.4031	35U vertical cable organizer (single side)	63,50	7,70
35.550.4032	37U vertical cable organizer (single side)	66,00	7,70
35.550.4033	39U vertical cable organizer (single side)	68,00	7,70
35.550.4034	42U vertical cable organizer (single side)	70,50	7,70
35.550.4035	45U vertical cable organizer (single side)	75,50	7,70



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**TELEPHONE EXCHANGE WIRING  
UNIT PRICES AND DEFINITIONS**

2019

### Telephone Exchange Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.700.1100</b>	<p><b>Electronic Type Fully Automated Telephone Exchange: (Unit: Qty.: Materials on construction site: 80%)</b></p> <p>The supply and installation on site of the telephone exchange manufactured in accordance with the Directive (1999/5/EC) Radio Equipment and Telecommunications Terminal Equipment, introduced to the market with the CE compliance marking, of which specifications are defined in the Technical Specification, comprising fully solid state semi-conductor circuit components, micro-processor controlled, of modular electronic automatic type; the installation of the internal and external subscriber distribution panel, the making of the cable connections coming from the telephone exchange and subscribers; the provision of a special battery (TS 1352-1 EN 60896-11, TS 1352-2 EN 60896-21, TS 1352-3 EN 60896-22) and a rectifier for the exchange, all kinds of small materials, workmanship and the delivery of the telephone exchange in working order.</p> <p>Note: There will be robot operator and voice message system port at a quantity of 15% of the number of external lines for the proposed telephone exchange.</p>		
35.700.1101	5/ 10	2.890,00	676,00
35.700.1102	4/ 20	3.870,00	676,00
35.700.1103	4/ 24	4.400,00	812,00
35.700.1104	4/ 28	4.630,00	812,00
35.700.1105	6/ 28	4.890,00	812,00
35.700.1106	4/ 32	5.020,00	812,00
35.700.1107	5/ 50	6.490,00	901,00
35.700.1108	4/ 56	7.910,00	923,00
35.700.1109	8/ 56	8.560,00	923,00
35.700.1110	8/ 96	12.750,00	1.150,00
35.700.1111	12/ 96	13.520,00	1.270,00
35.700.1112	10/ 100	13.630,00	1.360,00
35.700.1113	8/ 104	13.400,00	1.510,00
35.700.1114	12/ 104	14.200,00	1.620,00
35.700.1115	12/ 144	17.050,00	1.850,00
35.700.1116	12/ 152	17.880,00	2.060,00
35.700.1117	16/ 152	18.470,00	2.180,00
35.700.1118	20/ 200	22.670,00	2.420,00
35.700.1119	20/ 216 (at least 50% expandable) type	29.890,00	2.670,00
35.700.1120	24/ 200 (at least 50% expandable) type	33.010,00	2.800,00
35.700.1121	28/ 248 (at least 50% expandable) type	38.900,00	5.220,00
35.700.1122	28/ 304 (at least 50% expandable) type	48.370,00	3.840,00
35.700.1123	32/ 304 (at least 50% expandable) type	48.890,00	3.380,00
35.700.1124	36/ 360 (at least 50% expandable) type	56.010,00	3.620,00
35.700.1125	40/ 400 (at least 50% expandable) type	64.200,00	4.060,00
35.700.1126	44/ 456 (at least 50% expandable) type	74.370,00	4.360,00
35.700.1127	50/ 500 (at least 50% expandable) type	79.180,00	4.360,00
35.700.1128	52/ 504 (at least 50% expandable) type	88.700,00	4.410,00
35.700.1129	60/ 600 (at least 50% expandable) type	105.100,00	4.450,00
35.700.1130	70/ 700 (at least 50% expandable) type	123.800,00	4.530,00
35.700.1131	72/ 704 (at least 50% expandable) type	131.000,00	4.790,00
35.700.1132	80/ 800 (at least 50% expandable) type	149.500,00	4.150,00
35.700.1133	92/ 904 (at least 50% expandable) type	158.700,00	5.530,00
35.700.1134	100/ 1000 (at least 50% expandable) type	180.600,00	5.980,00
35.700.1135	104/ 1008 (at least 50% expandable) type	182.600,00	6.150,00
35.700.1136	4/ 16	3.820,00	676,00

### Telephone Exchange Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.700.1137	4/ 48	7.180,00	812,00
35.700.1138	6/ 16	4.040,00	676,00
35.700.1139	6/ 24	4.600,00	812,00
35.700.1140	6/ 32	5.350,00	812,00
35.700.1141	6/ 40	5.730,00	812,00
35.700.1142	6/ 56	7.170,00	901,00
35.700.1143	8/ 16	4.380,00	812,00
35.700.1144	8/ 24	4.970,00	812,00
35.700.1145	8/ 32	5.850,00	812,00
35.700.1146	8/ 48	7.800,00	812,00
35.700.1147	8/ 64	8.870,00	901,00
35.700.1148	8/ 72	11.100,00	901,00
35.700.1149	8/ 80	11.110,00	1.150,00
35.700.1150	12/ 80	12.210,00	1.270,00
35.700.1151	12/ 88	12.820,00	1.510,00
35.700.1152	12/ 112	14.670,00	1.620,00
35.700.1153	12/ 136	16.710,00	2.060,00
35.700.1154	12/ 120	15.280,00	1.730,00
35.700.1155	16/ 128	16.740,00	1.850,00
35.700.1156	16/ 144	17.670,00	1.960,00
35.700.1157	16/ 160	18.830,00	2.180,00
35.700.1158	16/ 176	20.220,00	2.320,00
35.700.1159	16/ 192	21.450,00	2.320,00
35.700.1160	16/ 208	26.880,00	2.420,00
35.700.1161	20/ 184	24.720,00	2.320,00
35.700.1162	20/ 120	19.950,00	2.060,00
35.700.1163	20/ 208	28.690,00	2.560,00
35.700.1164	20/ 232	31.730,00	2.560,00
35.700.1165	24/ 208	29.880,00	2.560,00
35.700.1200	<p><b>ISDN PRA CONNECTION (Unit Qty.)</b>                      It is an external line connection with 2 Mbit/s (30B+D) capacity supporting the characteristics at ITU-T standards associated with the below specified standards and services. Will be 0.3% (three per thousand) of number of the internal lines of the exchange with the item number 890-500 in the project. (For example, it will be maximum 3 units for a telephone exchange with 1000 internal lines) Caller ID (CLIP) ETS 300 092 Caller ID Restriction (CLIR) ETS 300 093 Connected Line ID (COLP) ETS 300 097 Connected Line ID Restriction (COLR) ETS 300 098 Direct Call (DDI) ETS 300 064 Fee setting (AOC-D and E) ETS 300 182 Note: The system shall not contain BRA when PRA is used.</p>	526,00	137,00
<b>35.700.2000</b>	<p><b>HYBRID IP DIGITAL TELEPHONE EXCHANGE (Unit: Qty.) (Materials on construction site: 80 percent)</b> Shall be manufactured in accordance with Directive (1999/5/EC) Radio Equipment and Telecommunications Terminal Equipment, released to the market with CE compliance marking. The procedures and principles specified in the Regulation on the Protection of Personal Data and Protection of Privacy in the Electronic Communications Sector shall be complied with. The telephone exchange shall fully comply with the recently published books and recommendations (including the country options specified by the service provider company), standards of ITU-T (International Telecommunication Union) and ETSI (European Telecommunication Standards Institution). -The exchange must fully support the state-of-the-art IP (Internet Protocol) and DECT (wireless telephone system) applications.</p>		

### Telephone Exchange Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
	<p>IP (Internet protocol) and DECT system features shall be applied on the telephone exchange and then be handed over to the administration. Additionally, DECT telephone sets shall support Caller ID (CLIP), Connected Line ID (COLP), Caller Name ID (CNIP), Dialed Name ID (CONP), dialing by name, leaving message, roaming features and the subscriber will be able to use these features when they want. IP (Internet protocol) and DECT system features shall be applied on the telephone exchange and then be handed over to the administration. -There must be at least two processors in the systems exceeding the capacity of 250 ports and they must be operated as hot stand by (full load sharing). -Systems exceeding the total capacity of 250 ports capacity should be extendable by at least 50%. -At least three (3) persons should be included in the conference in a conference circuit. However, the telephone exchange should support multiple conferences as hardware and software. -The telephone exchange shall support all current ISDN standards and recommendations published by the Information and Communication Technologies Authority and ITU-T. -It shall be a completely modular system as software and hardware. -The system shall be accessed and intervened by modem for malfunctions and system programming. -The exchange must support analogue and digital junction connections (2 and 4-wire E and M, ISDN, Ethernet, R2, etc.) in order to be able to work in networks that are created and can be created. -Together with a rectifier unit, a maintenance-free type dry battery group capable to feed the system for at least 8 hours must be included. - For each 20 analog external lines and 30 digital external lines (PRI) in the system configuration, 1 operator console and headset shall be supplied. -Robot operator and voicemail system: For each 24 analog external lines, a 4 channel capacity robot operator and voice mail system shall be included. -With regard to the extension capacities, all kinds of software and hardware that will serve the subscriber shall be included in the additional capacity and the service quality of the exchange will not decrease. -At least one computer or an equivalent device that perform the same function shall be supplied for remote intervention, maintenance and programming of the exchange. -The main distribution frame (MDF) to be supplied must be two-sided (exchange and building side). Analog TT lines must be protected against high voltage and current. The grounding and power supply of the system shall be established separately and independently. -The system shall be guaranteed for at least two years. -The whole system, including all materials and workmanship, shall be delivered in working order. Robot operator and message recording system: -The system will serve in at least in two languages (Turkish and English). -Message recording time shall be at least 100 hours for systems with a total capacity of up to 250 subscribers and the time will be increased by the same ratio as the increment in the number of subscribers for the systems with more than 250 subscribers. -For the security of personal information, the system will be password protected. -The system will be powered by the exchange. Pricing: - Programs or information for call billing shall be in the format requested by the administration. Note: 1- As the monopoly of Turk Telekom in the field of telecommunication since the beginning of 2004 will be lifted in accordance with the legislation, the decisions of the authority to replace TT shall be valid. 2- It shall be calculated as 1 Analogue or ISDN BRA subscriber = 1 port 1 trunk = 1 port ISDN PRI = 30 ports. Article 1: In the exchange, programs, operating parameters and contact information shall not be affected by power failures. Article 2: Exchange and telephone sets shall ensure the use of the features offered by the Euro-ISDN standards. These features are: Euro-ISDN Service and Features: Call Hold (CH) - Call Hold: This is the feature that the subscriber can make another call by holding the subscriber he/she is talking to. Call Barring (CB) - Outgoing Call Restriction:</p>		
	<p>This is the feature that the subscriber can turn off and on the device for all outgoing calls or for certain calls. Call Waiting (CW) - Call Waiting: This feature is to notify the subscriber of the incoming call with a warning tone when its line is busy. The subscriber either contacts the new caller by placing the existing call on hold or ends the other one by choosing one of the calls. Call Forward-B / U / NR- Call Forwarding: This is the feature of forwarding incoming calls to predetermined numbers. Call forwarding can be done in three different ways; Subscriber Busy - B: Incoming calls are forwarded if the subscriber is busy. All Calls - U: All incoming calls are forwarded. No Response – NR: Incoming calls are forwarded only when there is no answer after a pre-set number of rings. Conference Call: A feature that allows more than two subscribers to communicate Terminal Portability (TP)</p>		



### Telephone Exchange Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
	<p>- Terminal Portability: It is a feature that enables the subscriber's device to park and connect to another socket in connection with the same access or resume the communication at the time of communication (connection). Call Transfer (CT) - Call Transfer: A feature for transferring an incoming call to another subscriber. MCID - Capturing Malicious Calls: Centralized detection of disturbing calls. CCBS - Busy Redial: This is the feature of automatic redialing when the called number is busy. Line Hunting - Line Hunting: This feature is used to distribute incoming calls according to a predetermined order. Call Deflection (CD) -: This feature is to divert the call to another terminal device before the call is established (before the called subscriber picks up the phone). MSN-Multiple Subscriber Number: It is the feature of having a separate number for each device to be connected to ISDN line (up to 8 terminals) or using more than one number for a single terminal device. (It is used in ISDN BA Subscription.) DDI-Direct Search: It is the feature that callers can reach the internal subscriber by dialing prefix + subscriber's extension number directly. (Used in ISDN PA Subscription.) Sub Addressing - Sub addressing: It is the feature that the subscribers can define a logical address for their terminal devices. More than one address shall be assigned to the devices connected to the line after the phone number for a single ISDN number. User to signalling-UUS:</p>		
	<p>This is the feature of performing short messaging or scale data transmission using D signaling channel. AOC- Fee Determination: It is a feature of the fees or units related to the call to be displayed during the call setup, the call or at the end of the call. CUG-Closed User Group: It is a special virtual network communication feature for one or more group of users. CLIP- Caller ID: It is a feature of seeing the number of the caller. This is a feature that the subscriber will get. CLIR- Caller ID Restriction: It is possible to prevent caller number from being seen on the opposite side. CLIR Override: This feature is the suppression of the CLIR feature of the caller. COLP- Connected Line ID: It is the feature that the number of the connected terminal can be seen. It can be used especially if the confirmation that the sent information has gone to the right place, such as to a device (fax etc.), can not be received. COLR- Connected Line ID Restriction: It is the feature of preventing the number of the called subscriber from going to the calling party. IP FEATURES: IP Hybrid digital telephone exchange shall support IPv4 and IPv6 protocols. VOIP Protocols: Ethernet interfaces will support the following VoIP protocols: H.323 or SIP (Session Initiation Protocol). VoIP Codecs: The following codecs shall be available for IP subscriber and external line applications. (G.711 (A and μ), G.722, G.723 (5.3 kbps), G.729, G.729A) Echo suppressor: For VoIP calls, echo suppressors will be available at G.168. IP Subscribers: H.323 gatekeeper and SIP registrar shall be available at IP exchange, SIP and H.323 IP subscriber shall be able to connect to the exchange even if there is no static IP address. It shall be possible that the phones (analog and IP), video phones and softphones are connected. IP users (IP telephony etc.) as much as the amount given in the exchange table shall be supported. These IP subscribers and external line licenses shall be delivered. IP subscribers shall be able to connect to the exchange even if there are no static IP addresses. IP external line: The IP exchange shall be able to be registered to H. 323 gatekeeper and SIP registrars. Thus, the exchange can be connected to another exchange by SIP protocol and to the alternative operator (UMTH) via SIP protocol. IP Subscriber and external line programming: IP subscribers as much as the amount given in the exchange table shall be supported and international line programming shall be done easily by using the same maintenance operation program over the internet. PC Console Applications: The digital and analogue subscribers to the IP exchange shall be able to use their phones integrated with a Windows- or a similar software-based computer. From these subscribers' computers, dialing, call answering, holding, diverting, conferencing, phone book calling, missed call monitoring, listening to voicemail shall be able to be done. Line Recording: The exchange shall support the voice recording feature. In case of request of the administration, the voice recordings of the pre-determined analogue internal or external lines shall be accomplished and voice alerting shall be made. WEB Phone (calling from the web): The subscribers of the exchange shall be able to search the web browser without entering codes and passwords. Softphone Applications: Subscriptions shall be given from the exchange by way of a software installed on PCs. Programmable busy panel (the IP, analogue, digital subscribers of the exchange will show the status), speed dial keys, parking keys, transfer key shall be compatible with Windows (all versions) or similar operating systems.</p>		

### Telephone Exchange Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
	Subscriptions shall be given from the exchange by way of a software installed on smart phones. At least 5 softphones shall be provided together with the IP exchange. Internet Protocol: The exchange shall support central IPv4 (Internet Protocol Version 4) and IPv6 (Internet Protocol Version 6) at the same time. Session Initiation Protocol: The switchboard must fully support IP (Internet protocol) subscriber / outline applications and IP DECT (wireless Telephone System) applications running with the state-of-the-art SIP (Session Initiation Protocol) network protocol. IP Applications: SIP-based IP Telephones IP Video Phones, Software Based IP Phones and Smart Mobile (GSM) Phone applications shall be able to be operated on the exchange.		
	<b>Hybrid IP Digital Telephone Exchange Capacities</b> Analogue External Line / Analog Internal Line / Digital Internal Line / Numerical External Line (PRI) / IP External Line / IP Internal Line / Explanation		
35.700.2001	8 / 32 / 15 / _ / _ / _	20.310,00	2.670,00
35.700.2002	12 / 48 / 15 / _ / _ / _	26.680,00	3.490,00
35.700.2003	16 / 64 / 15 / _ / _ / _	34.250,00	3.720,00
35.700.2004	16 / 80 / 31 / _ / _ / _	36.920,00	4.030,00
35.700.2005	20 / 112 / 15 / _ / _ / _	46.080,00	4.540,00
35.700.2006	20 / 128 / 31 / _ / _ / _	51.050,00	5.340,00
35.700.2007	24 / 144 / 46 / _ / _ / _	57.710,00	5.600,00
35.700.2008	24 / 160 / 30 / _ / _ / _	58.600,00	5.880,00
35.700.2009	28 / 160 / 30 / _ / _ / _	50.960,00	6.140,00
35.700.2010	4 / 48 / 14 / 1 / _ / _	26.550,00	3.490,00
35.700.2011	8 / 64 / 14 / 1 / _ / _	35.450,00	3.760,00
35.700.2012	16 / 80 / 30 / 1 / _ / _	41.170,00	4.300,00
35.700.2013	16 / 112 / 14 / 1 / _ / _	46.730,00	4.810,00
35.700.2014	20 / 128 / 30 / 1 / _ / _	53.640,00	5.340,00
35.700.2015	24 / 144 / 46 / 1 / _ / _	62.340,00	6.400,00
35.700.2016	24 / 160 / 30 / 1 / _ / _	64.550,00	6.660,00
35.700.2017	28 / 160 / 29 / 1 / _ / _	68.480,00	7.190,00
35.700.2018	32 / 192 / 46 / _ / _ / _ / With at least 2 processors and 50% expandable	93.220,00	10.640,00
35.700.2019	16 / 224 / 30 / 1 / _ / _ / With at least 2 processors and 50% expandable	93.880,00	10.900,00
35.700.2020	24 / 288 / 30 / _ / _ / _ / With at least 2 processors and 50% expandable	99.570,00	11.440,00
35.700.2021	16 / 288 / 46 / 1 / _ / _ / With at least 2 processors and 50% expandable	107.000,00	11.990,00
35.700.2022	48 / 352 / 45 / _ / _ / _ / With at least 2 processors and 50% expandable.	124.400,00	14.090,00
35.700.2023	24 / 352 / 45 / 1 / _ / _ / With at least 2 processors and 50% expandable.	121.000,00	13.840,00
35.700.2024	16 / 448 / 61 / 2 / _ / _ / With at least 2 processors and 50% expandable	145.200,00	16.730,00
35.700.2025	24 / 464 / 45 / 1 / _ / _ / With at least 2 processors and 50% expandable.	142.800,00	16.470,00
35.700.2026	64 / 512 / 76 / _ / _ / _ / With at least 2 processors and 50% expandable.	175.400,00	19.130,00
35.700.2027	16 / 544 / 61 / 2 / _ / _ / With at least 2 processors and 50% expandable.	167.500,00	18.610,00
35.700.2028	72 / 592 / 92 / _ / _ / _ / With at least 2 processors and 50% expandable.	182.700,00	20.190,00
35.700.2029	24 / 640 / 60 / 2 / _ / _ / With at least 2 processors and 50% expandable.	177.000,00	19.390,00
35.700.2030	80 / 704 / 92 / _ / _ / _ / With at least 2 processors and 50% expandable.	214.800,00	23.090,00
35.700.2031	24 / 736 / 60 / 2 / _ / _ / With at least 2 processors and 50% expandable.	201.000,00	21.260,00

**Telephone Exchange Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.700.2032	96 / 784 / 107 / _ / _ / _ / With at least 2 processors and 50% expandable.	231.700,00	25.220,00
35.700.2033	32 / 816 / 76 / 2 / _ / _ / With at least 2 processors and 50% expandable.	223.400,00	23.930,00
35.700.2034	104 / 864 / 138 / _ / _ / _ / With at least 2 processors and 50% expandable.	264.600,00	28.100,00
35.700.2035	32 / 912 / 91 / 3 / _ / _ / With at least 2 processors and 50% expandable.	249.300,00	26.560,00
35.700.2036	120 / 1.056 / 138 / _ / _ / _ / With at least 2 processors and 50% expandable.	301.400,00	32.640,00
35.700.2037	40 / 1.104 / 91 / 3 / _ / _ / With at least 2 processors and 50% expandable.	285.400,00	30.530,00
35.700.2038	152 / 1.312 / 152 / _ / _ / _ / With at least 2 processors and 50% expandable.	371.800,00	40.100,00
35.700.2039	32 / 1.376 / 122 / 4 / _ / _ / With at least 2 processors and 50% expandable.	346.200,00	37.420,00
35.700.2040	176 / 1.584 / 215 / _ / _ / _ / With at least 2 processors and 50% expandable.	436.200,00	48.270,00
35.700.2041	56 / 1.680 / 169 / 4 / _ / _ / With at least 2 processors and 50% expandable.	405.600,00	45.510,00
35.700.2042	200 / 1.760 / 230 / _ / _ / _ / With at least 2 processors and 50% expandable.	480.000,00	53.080,00
35.700.2043	72 / 1.952 / 183 / 5 / _ / _ / With at least 2 processors and 50% expandable.	468.200,00	52.290,00
35.700.2044	256 / 2.192 / 291 / _ / _ / _ / With at least 2 processors and 50% expandable.	622.800,00	65.010,00
35.700.2045	96 / 2.496 / 245 / 6 / _ / _ / With at least 2 processors and 50% expandable.	640.100,00	66.870,00
35.700.2046	304 / 2.800 / 400 / _ / _ / _ / With at least 2 processors and 50% expandable.	843.400,00	91.270,00
35.700.2047	112 / 3.104 / 307 / 7 / _ / _ / With at least 2 processors and 50% expandable.	782.600,00	81.470,00
35.700.2048	400 / 3.504 / 492 / _ / _ / With at least 2 processors and 50% expandable.	1.062.900,00	114.900,00
35.700.2049	128 / 3.904 / 384 / 9 / _ / _ / With at least 2 processors and 50% expandable.	975.500,00	101.700,00
35.700.2050	456 / 4.400 / 585 / _ / _ / _ / With at least 2 processors and 50% expandable.	1.268.200,00	138.900,00
35.700.2051	176 / 4.992 / 508 / 11 / _ / _ / With at least 2 processors and 50% expandable.	1.222.400,00	127.700,00
35.700.2100	8 / 32 / 15 / _ / 6 / 30	23.160,00	3.400,00
35.700.2101	12 / 48 / 15 / _ / 67 / 50	30.420,00	4.430,00
35.700.2102	16 / 64 / 15 / _ / 6 / 50	35.950,00	4.740,00
35.700.2103	16 / 80 / 31 / _ / 10 / 80	36.950,00	5.130,00
35.700.2104	20 / 112 / 15 / _ / 10 / 100	55.090,00	5.810,00
35.700.2105	20 / 128 / 31 / _ / 10 / 120	61.780,00	6.820,00
35.700.2106	24 / 144 / 46 / _ / 10 / 140	69.780,00	7.140,00
35.700.2107	24 / 160 / 30 / _ / 10 / 160	70.930,00	7.470,00
35.700.2108	28 / 160 / 30 / _ / 10 / 160	72.500,00	7.850,00
35.700.2109	4 / 48 / 14 / 1 / 6 / 50	33.410,00	4.430,00
35.700.2110	8 / 64 / 14 / 1 / 6 / 50	42.410,00	4.780,00
35.700.2111	16 / 80 / 30 / 1 / 10 / 80	50.480,00	5.440,00

**Telephone Exchange Wiring**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.700.2112	16 / 112 / 14 / 1 / 10 / 100	56.790,00	6.140,00
35.700.2113	20 / 128 / 30 / 1 / 10 / 120	65.260,00	6.820,00
35.700.2114	24 / 144 / 46 / 1 / 10 / 140	74.590,00	8.180,00
35.700.2115	24 / 160 / 30 / 1 / 10 / 160	78.440,00	8.490,00
35.700.2116	28 / 160 / 29 / 1 / 10 / 160	88.670,00	9.180,00
35.700.2117	32 / 192 / 46 / _ / 10 / 200 / With at least 2 processors and 50% expandable.	110.000,00	13.570,00
35.700.2118	16 / 224 / 30 / 1 / 14 / 220 / With at least 2 processors and 50% expandable.	110.800,00	13.920,00
35.700.2119	24 / 288 / 30 / _ / 14 / 280 / With at least 2 processors and 50% expandable.	120.300,00	14.620,00
35.700.2120	16 / 288 / 46 / 1 / 18 / 280 / With at least 2 processors and 50% expandable.	126.200,00	15.290,00
35.700.2121	48 / 352 / 45 / _ / 22 / 350 / With at least 2 processors and 50% expandable.	152.800,00	18.010,00
35.700.2122	24 / 352 / 45 / 1 / 22 / 350 / With at least 2 processors and 50% expandable.	148.600,00	17.660,00
35.700.2123	16 / 448 / 61 / 2 / 26 / 440 / With at least 2 processors and 50% expandable.	182.900,00	21.390,00
35.700.2124	24 / 464 / 45 / 1 / 26 / 460 / With at least 2 processors and 50% expandable.	179.600,00	21.050,00
35.700.2125	64 / 512 / 76 / _ / 30 / 500 / With at least 2 processors and 50% expandable.	207.500,00	24.460,00
35.700.2126	16 / 544 / 61 / 2 / 30 / 540 / With at least 2 processors and 50% expandable.	198.600,00	23.770,00
35.700.2127	72 / 592 / 92 / _ / 34 / 600 / With at least 2 processors and 50% expandable.	221.200,00	25.790,00
35.700.2128	24 / 640 / 60 / 2 / 38 / 640 / With at least 2 processors and 50% expandable.	215.100,00	24.760,00
35.700.2129	80 / 704 / 92 / _ / 42 / 700 / With at least 2 processors and 50% expandable.	269.700,00	29.510,00
35.700.2130	24 / 736 / 60 / 2 / 42 / 730 / With at least 2 processors and 50% expandable.	252.100,00	27.160,00
35.700.2131	96 / 784 / 107 / _ / 46 / 780 / With at least 2 processors and 50% expandable.	297.000,00	32.220,00
35.700.2132	32 / 816 / 76 / 2 / 46 / 800 / With at least 2 processors and 50% expandable.	280.400,00	30.530,00
35.700.2133	104 / 864 / 138 / _ / 50 / 860 / With at least 2 processors and 50% expandable.	332.100,00	35.870,00
35.700.2134	32 / 912 / 91 / 3 / 50 / 900 / With at least 2 processors and 50% expandable.	313.000,00	33.930,00
35.700.2135	120 / 1.056 / 138 / _ / 54 / 1000 / With at least 2 processors and 50% expandable.	378.500,00	41.710,00
35.700.2136	40 / 1.104 / 91 / 3 / 54 / 1100 / With at least 2 processors and 50% expandable.	358.400,00	39.030,00
35.700.2137	152 / 1.312 / 152 / _ / 58 / 1300 / With at least 2 processors and 50% expandable.	449.900,00	51.220,00
35.700.2138	32 / 1.376 / 122 / 4 / 58 / 1350 / With at least 2 processors and 50% expandable.	418.500,00	47.820,00
35.700.2139	176 / 1.584 / 215 / _ / 62 / 1580 / With at least 2 processors and 50% expandable.	526.400,00	61.640,00
35.700.2140	56 / 1.680 / 169 / 4 / 62 / 1680 / With at least 2 processors and 50% expandable.	496.500,00	58.150,00

### Telephone Exchange Wiring

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.700.2141	200 / 1.760 / 230 / _ / 70 / 1760 / With at least 2 processors and 50% expandable.	572.700,00	67.810,00
35.700.2142	72 / 1952 / 183 / 5 / 80 / 1880 / With at least 2 processors and 50% expandable.	586.700,00	66.780,00
35.700.2143	256 / 2.192 / 291 / _ / 90 / 2000 / With at least 2 processors and 50% expandable.	766.400,00	83.090,00
35.700.2144	96 / 2.496 / 245 / 6 / 100 / 2500 / With at least 2 processors and 50% expandable.	787.200,00	85.440,00
35.700.2145	304 / 2.800 / 400 / _ / 120 / 2800 / With at least 2 processors and 50% expandable.	1.058.700,00	116.600,00
35.700.2146	112 / 3.104 / 307 / 7 / 150 / 3100 / With at least 2 processors and 50% expandable.	962.800,00	104.100,00
35.700.2147	400 / 3.504 / 492 / _ / 200 / 3500 / With at least 2 processors and 50% expandable.	1.334.600,00	147.000,00
35.700.2148	128 / 3.904 / 384 / 9 / 250 / 3900 / With at least 2 processors and 50% expandable.	1.217.800,00	124.200,00
35.700.2149	456 / 4.400 / 585 / _ / 300 / 4400 / With at least 2 processors and 50% expandable.	1.583.700,00	169.400,00
35.700.2150	176 / 4.992 / 508 / 11 / 350 / 5000 / With at least 2 processors and 50% expandable.	1.475.500,00	155.900,00
35.700.3100	<p><b>Type 1 digital telephone set:</b> Telephone sets shall be connected with standard 2 (two) wire and will receive energy from the power plant. The sets must have 12 programmable keys, missed calls list and name dialing feature, hands-free calling feature, LCD screen with at least 80 characters, caller ID and name ID features, date and time information on the screen, mute button (the key keeping the sound from going to the opposite side). The sets (at least 2B+D) shall support ISDN features</p>	546,00	61,00
35.700.3105	<p><b>Type 2 digital telephone set:</b> Telephone sets shall be connected with standard 2 (two) wire and will receive energy from the power plant. The sets must have 5 programmable keys, hands-free calling feature, LCD screen with at least 40 characters, caller ID and name ID features, date and time information on the screen, mute button (the key keeping the sound from going to the opposite side). The sets (at least 2B+D) shall support ISDN features Optional features for the sets - There must be a redial button. -The sets must be able to send short messages to each other. -The sets must be capable to keep 30 calls in memory. (10 missed calls, 10 incoming calls, 10 calls made) - Ringtone and volume settings must be done on the sets. Sets must keep 100 names and numbers in the address book.</p>	345,00	20,10
35.700.3110	<p><b>Type 1 IP telephone set:</b> IP phones shall be able to be connected to IP exchange. These video IP phones will be equipped with at least two Ethernet ports, an LCD display, a programmable busy board (shall display whether the IP, analogue and digital subscribers of the exchange and the trunks are busy), speed dial keys, parking keys, transfer key, monitoring features.</p>	728,00	79,50
35.700.3115	<p><b>Type 2 IP telephone set:</b> IP phones shall be able to be connected to IP exchange. IP phones shall be equipped with at least two Ethernet ports, an LCD display, a programmable busy board (shall display whether the IP, analogue and digital subscribers of the exchange are busy), speed dial keys, parking keys, transfer key features.</p>	430,00	27,70



**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**LIFT INSTALLATION  
UNIT PRICES AND DEFINITIONS**

**2019**

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.710.1000</b>	<p><b>NORMAL ELEVATOR INSTALLATION (in compliance with TS EN 81-20 and TS EN 81-50)</b></p> <p>Compliance with the standards TS EN 81-20 and TS EN 81-50 (TS EN 81-1+A3 shall also be acceptable until the date annulment date of the aforementioned standards) for General and Safety Rules, TS EN 12016 for electromagnetic compatibility, and TS ISO 4190-1 and TS ISO 8238 4190-2 for placement and dimensions shall be sought. Delivery in working order of the elevator installation with door leaves made of 1.25-mm-thick DKP sheet metal; fully automatic floor doors (with two telescopic leaves, opening from the center to the sides) zinc phosphatized by spraying method in surface cleaning baths, then painted in a color requested by the administration by electrostatic method and oven-dried, and certified for compliance with CE standards; door mechanisms with the same specifications and with drive engines, which shall be installed on the cabinet and driven with a mechanism (chain, belt, lever, etc.) to operate in synchronization with the floor doors; locking mechanisms, pulleys, roller guides, rails, belts, chains, levers and electronic cards CE certified; fully automatic cabinet door (two-leaf, telescopic, opening from the center to the sides); emergency uninterruptible power supply with Ni-Cd or dry battery which shall move the cabinet to the nearest floor and open the doors in case of power outage; light curtain equal to the inner height of the door, which contains multiple beams (min. 94 beams) to protect the occupants or loads entering the cabinet (full-height photocell); frequency inverter that adjusts the speed of the motor to prevent the impacts while the elevator starts to move or stops and to adjust the position of the cabinet precisely; a tacho generator or encoder that constantly measures the motor speed; a filter that eliminates the disturbances in the system; variable voltage/variable frequency (vvvf) drive system that is made up of a regulated feedback and resistance unit; cumulative control feature, including material and labor (except the group controller equipment).</p> <p>NOTE: The elevator installation shall be manufactured in compliance with the Directive 2014/33/EU for Lifts and Safety Components for Lifts, and released with the CE compliance marking. The fully automatic floor doors shall fulfill the specifications provided in the standard TS EN 81-58 and fire-resistant as per the Fire Safety Directive. The fire-resistant doors shall be certified to resist fire for min. 60 minutes by an accredited organization. The cabinet interior, and fully automatic cabinet and floor doors shall be paneled with (0.80-mm-thick) satin stainless steel sheets.</p>		
<b>35.710.1100</b>	<p><b>Class I elevators (The elevators designed for carrying passengers). Variable-speed, Capacity: 630 kg, Unit: Qty.</b></p> <p>Capacity (rated capacity): 630 kg, Pit (cross section) size: 2000 x 2100 mm (width x depth), Cabinet cross-sectional size: 1100 x 1400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 1.45 - 1.66 m<sup>2</sup> as per TS EN 81-20. Entrance width: 900 mm, Entrance height: min. 2000 mm as per TS EN 81-20.</p> <p>Note: The cabinet interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and cabinet area.</p>		

Lift Installation

ITEM NO	NATURE OF WORK				UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.710.1101	2 Stops	1.00	m/s	speed	105.600,00	9.770,00
35.710.1102	3 Stops	1.00	m/s	speed	110.400,00	10.530,00
35.710.1103	4 Stops	1.00	m/s	speed	115.800,00	12.230,00
35.710.1104	5 Stops	1.00	m/s	speed	121.600,00	13.930,00
35.710.1105	6 Stops	1.00	m/s	speed	127.500,00	15.640,00
35.710.1106	7 Stops	1.00	m/s	speed	133.400,00	17.340,00
35.710.1107	8 Stops	1.00	m/s	speed	140.300,00	19.980,00
35.710.1108	9 Stops	1.00	m/s	speed	147.200,00	21.700,00
35.710.1109	10 Stops	1.00	m/s	speed	153.400,00	23.390,00
35.710.1110	11 Stops	1.60	m/s	speed	163.300,00	25.110,00
35.710.1111	12 Stops	1.60	m/s	speed	169.800,00	26.790,00
35.710.1112	13 Stops	1.60	m/s	speed	176.800,00	28.520,00
35.710.1113	14 Stops	1.60	m/s	speed	185.200,00	30.200,00
35.710.1114	15 Stops	1.60	m/s	speed	196.500,00	31.920,00
<b>35.710.1150</b>	<b>Class I elevators (The elevators designed for carrying passengers). Class II elevators (The elevators designed principally to carry passengers, and to carry other objects when necessary). Variable-speed, Rated capacity: 800 kg, Unit: Qty.</b> Capacity (rated capacity): 800 kg, Pit (cross section) size: 2000 x 2200 mm (width x depth), Carriage cross-sectional size: 1350 x 1400 mm (width x depth) or 1200 x 1500 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the carriage shall be 1.87 - 2.00 m <sup>2</sup> as per TS EN 81-20. Entrance width: 900 mm, Entrance height: min. 2000 mm as per TS EN 81-20. Note: The carriage interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and carriage area.					
35.710.1151	2 Stops	1.00	m/s	speed	111.900,00	10.570,00
35.710.1152	3 Stops	1.00	m/s	speed	117.200,00	11.330,00
35.710.1153	4 Stops	1.00	m/s	speed	122.200,00	13.040,00
35.710.1154	5 Stops	1.00	m/s	speed	128.100,00	14.730,00
35.710.1155	6 Stops	1.00	m/s	speed	134.100,00	16.450,00
35.710.1156	7 Stops	1.00	m/s	speed	140.300,00	18.140,00
35.710.1157	8 Stops	1.00	m/s	speed	146.500,00	20.780,00
35.710.1158	9 Stops	1.00	m/s	speed	154.400,00	22.500,00
35.710.1159	10 Stops	1.00	m/s	speed	162.900,00	24.190,00
35.710.1160	11 Stops	1.60	m/s	speed	170.700,00	26.470,00
35.710.1161	12 Stops	1.60	m/s	speed	178.100,00	28.170,00
35.710.1162	13 Stops	1.60	m/s	speed	184.400,00	29.870,00
35.710.1163	14 Stops	1.60	m/s	speed	193.100,00	31.590,00
35.710.1164	15 Stops	1.60	m/s	speed	204.500,00	33.280,00



**Lift Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.710.1200</b>	<p><b>Class I elevators (The elevators designed for carrying passengers). Class II elevators (The elevators designed principally to carry passengers, and to carry other objects when necessary). Variable-speed, Capacity: 1000 kg, Unit: Qty.</b>  <b>Capacity</b> (rated capacity): 1000 kg, Pit (cross section) size: 2200 x 2200 mm (width x depth), Cabinet cross-sectional size: 1600 x 1400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 2.15 - 2.40 m<sup>2</sup> as per TS EN 81-20. Entrance width: 900 mm, Entrance height: min. 2000 mm as per TS EN 81-20.                      Note: The cabinet interior shall be modified for use by the handicapped.</p>		
35.710.1201	2 Stops 1.00 m/s speed	122.100,00	11.650,00
35.710.1202	3 Stops 1.00 m/s speed	127.300,00	12.420,00
35.710.1203	4 Stops 1.00 m/s speed	132.800,00	14.130,00
35.710.1204	5 Stops 1.00 m/s speed	139.200,00	15.820,00
35.710.1205	6 Stops 1.00 m/s speed	145.200,00	17.530,00
35.710.1206	7 Stops 1.00 m/s speed	150.800,00	19.230,00
35.710.1207	8 Stops 1.00 m/s speed	157.800,00	21.890,00
35.710.1208	9 Stops 1.00 m/s speed	166.000,00	23.580,00
35.710.1209	10 Stops 1.00 m/s speed	174.300,00	25.290,00
35.710.1210	11 Stops 1.60 m/s speed	185.400,00	26.990,00
35.710.1211	12 Stops 1.60 m/s speed	192.300,00	28.700,00
35.710.1212	13 Stops 1.60 m/s speed	198.400,00	30.400,00
35.710.1213	14 Stops 1.60 m/s speed	206.900,00	32.100,00
35.710.1214	15 Stops 1.60 m/s speed	219.400,00	33.810,00
<b>35.710.1250</b>	<p><b>Class I elevators (The elevators designed for carrying passengers). Class II elevators (The elevators designed principally to carry passengers, and to carry other objects when necessary). Variable-speed, Capacity: 1275 kg, Unit: Qty.</b>  <b>Capacity</b> (rated capacity): 1275 kg, Pit (cross section) size: 2500 x 2200 mm (width x depth), Cabinet cross-sectional size: 2000 x 1400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 2.71 - 2.95 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1100 mm, Entrance height: 2100 mm.                      Note: The cabinet interior shall be modified for use by the handicapped.</p>		
35.710.1251	2 Stops 1.00 m/s speed	136.300,00	12.760,00
35.710.1252	3 Stops 1.00 m/s speed	141.900,00	13.500,00
35.710.1253	4 Stops 1.00 m/s speed	147.800,00	15.220,00
35.710.1254	5 Stops 1.00 m/s speed	154.200,00	16.910,00
35.710.1255	6 Stops 1.00 m/s speed	160.300,00	18.630,00
35.710.1256	7 Stops 1.00 m/s speed	166.400,00	20.320,00
35.710.1257	8 Stops 1.00 m/s speed	173.900,00	22.970,00
35.710.1258	9 Stops 1.00 m/s speed	182.500,00	24.690,00
35.710.1259	10 Stops 1.00 m/s speed	191.300,00	26.380,00
35.710.1260	11 Stops 1.60 m/s speed	202.600,00	28.100,00
35.710.1261	12 Stops 1.60 m/s speed	209.500,00	29.780,00
35.710.1262	13 Stops 1.60 m/s speed	217.100,00	31.490,00

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.710.1263	14 Stops 1.60 m/s speed	227.400,00	33.190,00
35.710.1264	15 Stops 1.60 m/s speed	236.200,00	34.900,00
<b>35.710.1500</b>	<p><b>Class I elevators (The elevators designed for carrying passengers). Class II elevators (The elevators designed principally to carry passengers, and to carry other objects when necessary). Variable-speed, Capacity: 1600 kg, Unit: Qty.</b> Capacity (rated capacity): 1600 kg, Pit (cross section) size: 2700 x 2500 mm (width x depth), Cabinet cross-sectional size: 2100 x 1600 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 3.245 - 3.56 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1100 mm, Entrance height: 2100 mm. Note: The cabinet interior shall be modified for use by the handicapped.</p>		
35.710.1501	2 Stops 1.00 m/s speed	150.200,00	14.410,00
35.710.1502	3 Stops 1.00 m/s speed	155.800,00	15.150,00
35.710.1503	4 Stops 1.00 m/s speed	162.800,00	16.870,00
35.710.1504	5 Stops 1.00 m/s speed	169.100,00	18.550,00
35.710.1505	6 Stops 1.00 m/s speed	175.900,00	20.280,00
35.710.1506	7 Stops 1.00 m/s speed	182.300,00	21.970,00
35.710.1507	8 Stops 1.00 m/s speed	188.700,00	23.680,00
35.710.1508	9 Stops 1.00 m/s speed	196.900,00	25.380,00
35.710.1509	10 Stops 1.00 m/s speed	205.900,00	27.090,00
35.710.1510	11 Stops 1.60 m/s speed	218.800,00	28.790,00
35.710.1511	12 Stops 1.60 m/s speed	225.600,00	30.480,00
35.710.1512	13 Stops 1.60 m/s speed	233.400,00	32.190,00
35.710.1513	14 Stops 1.60 m/s speed	242.400,00	33.890,00
35.710.1514	15 Stops 1.60 m/s speed	252.700,00	35.600,00
<b>35.710.1550</b>	<p><b>Class III elevators (The elevators designed principally to carry patients and stretchers in healthcare facilities, and to carry non-patient passengers when necessary.) Variable-speed, Rated load capacity: 1600 kg, Unit: Qty.</b> Capacity (rated capacity): 1600 kg, Pit (cross section) size: 2400 x 3000 mm (width x depth), Cabinet cross-sectional size: 1400 x 2400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 3.245 - 3.56 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1300 mm, Entrance height: 2100 mm. Note: The cabinet interior shall be modified for use by the handicapped.</p>		
35.710.1551	2 Stops 1.00 m/s speed	155.300,00	15.110,00
35.710.1552	3 Stops 1.00 m/s speed	161.500,00	15.870,00
35.710.1553	4 Stops 1.00 m/s speed	168.400,00	17.570,00
35.710.1554	5 Stops 1.00 m/s speed	175.700,00	19.280,00
35.710.1555	6 Stops 1.00 m/s speed	182.000,00	20.980,00
35.710.1556	7 Stops 1.00 m/s speed	188.400,00	22.690,00
35.710.1557	8 Stops 1.00 m/s speed	196.000,00	24.380,00
35.710.1558	9 Stops 1.00 m/s speed	205.900,00	26.090,00
35.710.1559	10 Stops 1.00 m/s speed	214.200,00	27.800,00
35.710.1560	11 Stops 1.60 m/s speed	226.600,00	29.500,00
35.710.1561	12 Stops 1.60 m/s speed	232.800,00	31.210,00
35.710.1562	13 Stops 1.60 m/s speed	242.200,00	32.900,00

Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.710.1563	14 Stops 1.60 m/s speed	252.400,00	34.620,00
35.710.1564	15 Stops 1.60 m/s speed	260.700,00	36.300,00
<b>35.710.1600</b>	<p><b>Class III elevators (The elevators designed principally to carry patients and stretchers in healthcare facilities, and to carry non-patient passengers when necessary.) Variable-speed, Rated load capacity: 2000 kg, Unit: Qty.</b></p> <p>Capacity (rated capacity): 2000 kg, Pit (cross section) size: 2400 x 3300 mm (width x depth), Cabinet cross-sectional size: 1500 x 2700 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 3.935 - 4.2 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1300 mm, Entrance height: 2100 mm.</p> <p>Note: The cabinet interior shall be modified for use by the handicapped.</p>		
35.710.1601	2 Stops 1.00 m/s speed	198.600,00	17.020,00
35.710.1602	3 Stops 1.00 m/s speed	205.800,00	17.750,00
35.710.1603	4 Stops 1.00 m/s speed	214.100,00	19.480,00
35.710.1604	5 Stops 1.00 m/s speed	223.600,00	21.160,00
35.710.1605	6 Stops 1.00 m/s speed	233.300,00	22.880,00
35.710.1606	7 Stops 1.00 m/s speed	245.800,00	24.570,00
35.710.1607	8 Stops 1.00 m/s speed	255.500,00	26.290,00
35.710.1608	9 Stops 1.00 m/s speed	268.100,00	27.980,00
35.710.1609	10 Stops 1.00 m/s speed	271.900,00	29.680,00
35.710.1610	11 Stops 1.60 m/s speed	297.300,00	31.390,00
35.710.1611	12 Stops 1.60 m/s speed	308.200,00	33.090,00
35.710.1612	13 Stops 1.60 m/s speed	312.400,00	34.800,00
35.710.1613	14 Stops 1.60 m/s speed	323.400,00	36.500,00
35.710.1614	15 Stops 1.60 m/s speed	335.700,00	38.210,00
<b>35.710.1650</b>	<p><b>Class III elevators (The elevators designed principally to carry patients and stretchers in healthcare facilities, and to carry non-patient passengers when necessary.) Variable-speed, Rated load capacity: 2500 kg, Unit: Qty.</b></p> <p>Capacity (rated capacity): 2500 kg, Pit (cross section) size: 2700 x 3300 mm (width x depth), Cabinet cross-sectional size: 1800 x 2700 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 4.625 - 5.00 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1300 mm, Entrance height: 2100 mm.</p> <p>Note: The cabinet interior shall be modified for use by the handicapped.</p>		
35.710.1651	2 Stops 1.00 m/s speed	230.400,00	19.180,00
35.710.1652	3 Stops 1.00 m/s speed	236.900,00	19.940,00
35.710.1653	4 Stops 1.00 m/s speed	241.300,00	21.650,00
35.710.1654	5 Stops 1.00 m/s speed	252.000,00	23.350,00
35.710.1655	6 Stops 1.00 m/s speed	261.500,00	25.060,00
35.710.1656	7 Stops 1.00 m/s speed	275.400,00	26.760,00
35.710.1657	8 Stops 1.00 m/s speed	286.300,00	28.450,00
35.710.1658	9 Stops 1.00 m/s speed	298.700,00	30.160,00
35.710.1659	10 Stops 1.00 m/s speed	310.300,00	31.860,00
35.710.1660	11 Stops 1.60 m/s speed	330.100,00	33.570,00
35.710.1661	12 Stops 1.60 m/s speed	341.000,00	35.280,00
35.710.1662	13 Stops 1.60 m/s speed	355.400,00	36.980,00

Lift Installation

ITEM NO	NATURE OF WORK					UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.710.1663	14	Stops	1.60	m/s	speed	367.400,00	38.690,00
35.710.1664	15	Stops	1.60	m/s	speed	381.400,00	40.370,00
<b>35.710.1700</b>	<b>Class IV elevator (The elevators designed principally to carry objects under the supervision of an accompanying person). Variable-speed, Capacity: 630 kg, Unit: Qty.</b> Capacity (rated capacity): 630 kg, Pit (cross section) size: 2100 x 1900 mm (width x depth), Cabinet cross-sectional size: 1100 x 1400 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 1.45 - 1.66 m <sup>2</sup> as per TS EN 81-20. Entrance width: 1100 mm, Entrance height: 2100 mm.						
35.710.1701	2	Stops	1.00	m/s	speed	106.800,00	9.770,00
35.710.1702	3	Stops	1.00	m/s	speed	111.900,00	10.530,00
35.710.1703	4	Stops	1.00	m/s	speed	117.700,00	12.230,00
35.710.1704	5	Stops	1.00	m/s	speed	123.500,00	13.930,00
35.710.1705	6	Stops	1.00	m/s	speed	129.800,00	15.640,00
35.710.1706	7	Stops	1.00	m/s	speed	136.000,00	17.340,00
35.710.1707	8	Stops	1.00	m/s	speed	142.900,00	19.980,00
35.710.1708	9	Stops	1.00	m/s	speed	149.600,00	21.700,00
35.710.1709	10	Stops	1.00	m/s	speed	156.300,00	23.390,00
35.710.1710	11	Stops	1.00	m/s	speed	163.100,00	25.110,00
35.710.1711	12	Stops	1.00	m/s	speed	170.100,00	26.790,00
35.710.1712	13	Stops	1.00	m/s	speed	177.500,00	28.520,00
35.710.1713	14	Stops	1.00	m/s	speed	186.100,00	30.200,00
35.710.1714	15	Stops	1.00	m/s	speed	197.600,00	31.920,00
<b>35.710.1750</b>	<b>Class IV elevator (The elevators designed principally to carry objects under the supervision of an accompanying person). Variable-speed, Capacity: 1000 kg, Unit: Qty.</b> Capacity (rated capacity): 1000 kg, Pit (cross section) size: 2400 x 2200 mm (width x depth), Cabinet cross-sectional size: 1300 x 1750 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 2.15 - 2.40 m <sup>2</sup> as per TS EN 81-20. Entrance width: 1300 mm, Entrance height: 2100 mm.						
35.710.1751	2	Stops	1.00	m/s	speed	123.300,00	11.650,00
35.710.1752	3	Stops	1.00	m/s	speed	129.000,00	12.420,00
35.710.1753	4	Stops	1.00	m/s	speed	134.400,00	14.130,00
35.710.1754	5	Stops	1.00	m/s	speed	140.700,00	15.820,00
35.710.1755	6	Stops	1.00	m/s	speed	146.800,00	17.530,00
35.710.1756	7	Stops	1.00	m/s	speed	152.400,00	19.230,00
35.710.1757	8	Stops	1.00	m/s	speed	159.500,00	21.890,00
35.710.1758	9	Stops	1.00	m/s	speed	167.700,00	23.580,00
35.710.1759	10	Stops	1.00	m/s	speed	176.100,00	25.290,00
35.710.1760	11	Stops	1.00	m/s	speed	183.000,00	26.990,00
35.710.1761	12	Stops	1.00	m/s	speed	190.000,00	28.700,00
35.710.1762	13	Stops	1.00	m/s	speed	196.400,00	30.400,00
35.710.1763	14	Stops	1.00	m/s	speed	205.200,00	32.100,00
35.710.1764	15	Stops	1.00	m/s	speed	218.100,00	33.810,00

Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.710.1800</b>	<b>Class IV elevator (The elevators designed principally to carry objects under the supervision of an accompanying person). Variable-speed, Capacity: 1600 kg, Unit: Qty.</b> Capacity (rated capacity): 1600 kg, Pit (cross section) size: 2500 x 2850 mm (width x depth), Cabinet cross-sectional size: 1400 x 2400 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 2.15 - 2.40 m <sup>2</sup> as per TS EN 81-20. Entrance width: 1400 mm, Entrance height: 2100 mm.		
35.710.1801	2 Stops 1.00 m/s speed	151.100,00	14.410,00
35.710.1802	3 Stops 1.00 m/s speed	157.600,00	15.150,00
35.710.1803	4 Stops 1.00 m/s speed	163.800,00	16.870,00
35.710.1804	5 Stops 1.00 m/s speed	169.600,00	18.550,00
35.710.1805	6 Stops 1.00 m/s speed	176.100,00	20.280,00
35.710.1806	7 Stops 1.00 m/s speed	182.300,00	21.970,00
35.710.1807	8 Stops 1.00 m/s speed	188.400,00	23.680,00
35.710.1808	9 Stops 1.00 m/s speed	195.700,00	25.380,00
35.710.1809	10 Stops 1.00 m/s speed	204.400,00	27.090,00
35.710.1810	11 Stops 1.00 m/s speed	212.100,00	28.790,00
35.710.1811	12 Stops 1.00 m/s speed	218.800,00	30.480,00
35.710.1812	13 Stops 1.00 m/s speed	226.100,00	32.190,00
35.710.1813	14 Stops 1.00 m/s speed	234.800,00	33.890,00
35.710.1814	15 Stops 1.00 m/s speed	244.400,00	35.600,00
<b>35.710.1850</b>	<b>Class IV elevator (The elevators designed principally to carry objects under the supervision of an accompanying person). Variable-speed, Capacity: 2000 kg, Unit: Qty.</b> Capacity (rated capacity): 2000 kg, Pit (cross section) size: 2700 x 3150 mm (width x depth), Cabinet cross-sectional size: 1500 x 2700 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 3.935 - 4.2 m <sup>2</sup> as per TS EN 81-20. Entrance width: 1400 mm, Entrance height: 2100 mm.		
35.710.1851	2 Stops 1.00 m/s speed	192.200,00	17.020,00
35.710.1852	3 Stops 1.00 m/s speed	199.600,00	17.750,00
35.710.1853	4 Stops 1.00 m/s speed	207.500,00	19.480,00
35.710.1854	5 Stops 1.00 m/s speed	216.900,00	21.160,00
35.710.1855	6 Stops 1.00 m/s speed	226.700,00	22.880,00
35.710.1856	7 Stops 1.00 m/s speed	239.100,00	24.570,00
35.710.1857	8 Stops 1.00 m/s speed	249.500,00	26.290,00
35.710.1858	9 Stops 1.00 m/s speed	262.500,00	27.980,00
35.710.1859	10 Stops 1.00 m/s speed	273.500,00	29.680,00
35.710.1860	11 Stops 1.00 m/s speed	285.200,00	31.390,00
35.710.1861	12 Stops 1.00 m/s speed	295.600,00	33.090,00
35.710.1862	13 Stops 1.00 m/s speed	308.200,00	34.800,00
35.710.1863	14 Stops 1.00 m/s speed	319.700,00	36.500,00
35.710.1864	15 Stops 1.00 m/s speed	332.400,00	38.210,00

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.715.1000</b>	<p><b>HYDRAULIC ELEVATORS (As per TS EN 81-20 and TS EN 81-50)</b>            Compliance with the standards TS EN 81-20 and TS EN 81-50 (TS EN 81-2+A3 shall also be acceptable until the date annulment date of the aforementioned standards) for General and Safety Rules, TS EN 12016 for electromagnetic compatibility, and TS ISO 4190-1 and TS ISO 8238 4190-2 for placement and dimensions shall be sought. Operation of passenger, patient and freight elevators in any environment by means of hydraulic pistons (The distance between the engine room and hydraulic piston should not exceed 10 meters provided that it is in an enclosed area), delivery in working order of hydraulic elevator installation with hydraulic pistons, pumps, oil tanks, hoses, soft starters, leveling drive groups, heaters, coolers, all fasteners, door leaves made of 1.25-mm-thick DKP sheet metal; fully automatic floor doors (with two telescopic leaves, opening from the center to the sides) zinc phosphatized by spraying method in surface cleaning baths, then painted in a color requested by the administration by electrostatic method and oven-dried, and certified for compliance with CE standards; door mechanisms with the same specifications and with drive engines, which shall be installed on the cabinet and driven with a mechanism (chain, belt, lever, etc.) to operate in synchronization with the floor doors; locking mechanisms, pulleys, roller guides, rails, belts, chains, levers and electronic cards CE certified; fully automatic cabinet door (two-leaf, telescopic, opening from the center to the sides); emergency uninterruptible power supply with Ni-Cd or dry battery which shall move the cabinet to the nearest floor and open the doors in case of power outage; light curtain equal to the inner height of the door, which contains multiple beams (min. 94 beams) to protect the occupants or loads entering the cabinet (full-height photocell); cumulative control feature, including material and labor (except the group controller equipment).            NOTE:            1) The hydraulic pump group shall be CE-certified, in compliance with the ISO 9001-9002 quality assurance system, and made by a manufacturer acceptable to the administration.            2) The elevator installation shall be manufactured in compliance with the Directive 2014/33/EU for Lifts and Safety Components for Lifts, and released with the CE marking.            3) The fully automatic floor doors shall fulfill the specifications provided in the standard TS EN 81-58 and fire-resistant as per the Fire Safety Directive. The fire-resistant doors shall be certified to resist fire for min. 60 minutes by an accredited organization.            4) The cabinet interior, and fully automatic cabinet and floor doors shall be paneled with (0.80 mm thick) satinized stainless steel sheet.</p>		
<b>35.715.1100</b>	<p><b>Hydraulic passenger elevator, Lifting capacity: 630 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b>            Pit (cross section) size: 2000 x 2100 mm (width x depth), Cabinet cross-sectional size: 1100 x 1400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 1.45 - 1.66 m<sup>2</sup> as per TS EN 81-20. Entrance width: 900 mm, Entrance height: min. 2000 mm as per TS EN 81-20.            Note: The cabinet interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and cabinet area.</p>		
35.715.1101	2 Stops	71.470,00	6.650,00
35.715.1102	3 Stops	82.460,00	8.540,00
35.715.1103	4 Stops	94.730,00	10.440,00
35.715.1104	5 Stops	102.700,00	12.320,00
35.715.1105	6 Stops	115.300,00	14.220,00
35.715.1106	7 Stops	126.200,00	16.110,00

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.715.1150</b>	<p><b>Hydraulic freight elevator, Lifting capacity: 630 kg, Cabinet speed: 0.40 m/s, Unit: Qty.</b>  Pit (cross section) size: 2100 x 1900 mm (width x depth), Cabinet cross-sectional size: 1100 x 1400 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 1.45 - 1.66 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1100 mm, Entrance height: 2100 mm.</p>		
35.715.1151	2 Stops	73.520,00	6.650,00
35.715.1152	3 Stops	84.520,00	8.540,00
35.715.1153	4 Stops	97.140,00	10.440,00
35.715.1154	5 Stops	104.600,00	12.320,00
35.715.1155	6 Stops	117.400,00	14.220,00
35.715.1156	7 Stops	128.000,00	16.110,00
<b>35.715.1200</b>	<p><b>Hydraulic passenger elevator, Lifting capacity: 800 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b>  Pit (cross section) size: 2000 x 2200 mm (width x depth), Cabinet cross-sectional size: 1350 x 1400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 1.87 - 2.00 m<sup>2</sup> as per TS EN 81-20. Entrance width: 900 mm, Entrance height: min. 2000 mm as per TS EN 81-20.  Note: The cabinet interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and cabinet area.</p>		
35.715.1201	2 Stops	82.810,00	7.130,00
35.715.1202	3 Stops	94.390,00	9.010,00
35.715.1203	4 Stops	106.000,00	10.900,00
35.715.1204	5 Stops	112.500,00	12.800,00
35.715.1205	6 Stops	123.600,00	14.690,00
35.715.1206	7 Stops	132.600,00	16.590,00
<b>35.715.1250</b>	<p><b>Hydraulic passenger elevator, Lifting capacity: 1000 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b>  Pit (cross section) size: 2200 x 2200 mm (width x depth), Cabinet cross-sectional size: 1600 x 1400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 2.15 - 2.40 m<sup>2</sup> as per TS EN 81-20. Entrance width: 900 mm, Entrance height: min. 2000 mm as per TS EN 81-20.  Note: The cabinet interior shall be modified for use by the handicapped.</p>		
35.715.1251	2 Stops	97.980,00	7.590,00
35.715.1252	3 Stops	107.900,00	9.480,00
35.715.1253	4 Stops	119.800,00	11.380,00
35.715.1254	5 Stops	130.000,00	13.260,00
35.715.1255	6 Stops	144.000,00	15.150,00
35.715.1256	7 Stops	157.500,00	17.050,00

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.715.1300</b>	<p><b>Hydraulic freight elevator, Lifting capacity: 1000 kg, Cabinet speed: 0.40 m/s, Unit: Qty.</b> Pit (cross section) size: 2400 x 2200 mm (width x depth), Cabinet cross-sectional size: 1300 x 1750 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 2.15 - 2.40 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1300 mm, Entrance height: 2100 mm.</p>		
35.715.1301	2 Stops	92.440,00	7.590,00
35.715.1302	3 Stops	107.400,00	9.480,00
35.715.1303	4 Stops	116.900,00	11.380,00
35.715.1304	5 Stops	131.100,00	13.260,00
35.715.1305	6 Stops	142.700,00	15.150,00
35.715.1306	7 Stops	152.200,00	17.050,00
<b>35.715.1350</b>	<p><b>Hydraulic freight elevator, Lifting capacity: 1000 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b> Pit (cross section) size: 2400 x 2200 mm (width x depth), Cabinet cross-sectional size: 1300 x 1750 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 2.15 - 2.40 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1300 mm, Entrance height: 2100 mm.</p>		
35.715.1351	2 Stops	92.860,00	7.590,00
35.715.1352	3 Stops	107.800,00	9.480,00
35.715.1353	4 Stops	117.300,00	11.380,00
35.715.1354	5 Stops	131.600,00	13.260,00
35.715.1355	6 Stops	146.000,00	15.150,00
35.715.1356	7 Stops	157.300,00	17.050,00
<b>35.715.1400</b>	<p><b>Hydraulic passenger elevator, Lifting capacity: 1275 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b> Pit (cross section) size: 2500 x 2200 mm (width x depth), Cabinet cross-sectional size: 2000 x 1400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 2.71 - 2.95 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1100 mm, Entrance height: 2100 mm. Note: The cabinet interior shall be modified for use by the handicapped.</p>		
35.715.1401	2 Stops	108.700,00	8.540,00
35.715.1402	3 Stops	118.200,00	10.440,00
35.715.1403	4 Stops	132.600,00	12.320,00
35.715.1404	5 Stops	144.000,00	14.220,00
35.715.1405	6 Stops	153.400,00	16.110,00
35.715.1406	7 Stops	167.100,00	18.010,00
<b>35.715.1450</b>	<p><b>Hydraulic passenger elevator, Lifting capacity: 1600 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b> Pit (cross section) size: 2700 x 2500 mm (width x depth), Cabinet cross-sectional size: 2100 x 1600 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 3.245 - 3.56 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1100 mm, Entrance height: 2100 mm. Note: The cabinet interior shall be modified for use by the handicapped.</p>		
35.715.1451	2 Stops	135.600,00	10.440,00



**Lift Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.715.1452	3 Stops	149.200,00	12.320,00
35.715.1453	4 Stops	162.700,00	14.220,00
35.715.1454	5 Stops	176.400,00	16.110,00
35.715.1455	6 Stops	180.600,00	18.010,00
35.715.1456	7 Stops	193.800,00	19.890,00
<b>35.715.1500</b>	<p><b>Hydraulic patient elevator, Lifting capacity: 1600 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b>  Pit (cross section) size: 2400 x 3000 mm (width x depth), Cabinet cross-sectional size: 1400 x 2400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 3.245 - 3.56 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1300 mm, Entrance height: 2100 mm. Note: The cabinet interior shall be modified for use by the handicapped.</p>		
35.715.1501	2 Stops	132.100,00	10.440,00
35.715.1502	3 Stops	145.800,00	12.320,00
35.715.1503	4 Stops	159.300,00	14.220,00
35.715.1504	5 Stops	172.900,00	16.110,00
35.715.1505	6 Stops	177.200,00	18.010,00
35.715.1506	7 Stops	190.400,00	19.890,00
<b>35.715.2000</b>	<p><b>Hydraulic freight elevator, Lifting capacity: 1600 kg, Cabinet speed: 0.40 m/s, Unit: Qty.</b>  Pit (cross section) size: 2500 x 2850 mm (width x depth), Cabinet cross-sectional size: 1400 x 2400 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 2.15 - 2.40 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1400 mm, Entrance height: 2100 mm.</p>		
35.715.2001	2 Stops	134.300,00	10.440,00
35.715.2002	3 Stops	147.900,00	12.320,00
35.715.2003	4 Stops	161.400,00	14.220,00
35.715.2004	5 Stops	175.000,00	16.110,00
35.715.2005	6 Stops	179.400,00	18.010,00
35.715.2006	7 Stops	202.400,00	19.890,00
<b>35.715.2100</b>	<p><b>Hydraulic freight elevator, Lifting capacity: 1600 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b>  Pit (cross section) size: 2500 x 2850 mm (width x depth), Cabinet cross-sectional size: 1400 x 2400 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 2.15 - 2.40 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1400 mm, Entrance height: 2100 mm.</p>		
35.715.2101	2 Stops	135.200,00	10.440,00
35.715.2102	3 Stops	148.900,00	12.320,00
35.715.2103	4 Stops	162.400,00	14.220,00
35.715.2104	5 Stops	176.000,00	16.110,00
35.715.2105	6 Stops	180.300,00	18.010,00
35.715.2106	7 Stops	193.300,00	19.890,00

**Lift Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.715.2150</b>	<p><b>Hydraulic patient elevator, Lifting capacity: 2000 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b>  Pit (cross section) size: 2400 x 3300 mm (width x depth), Cabinet cross-sectional size: 1500 x 2700 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 3.935 - 4.2 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1300 mm, Entrance height: 2100 mm. Note: The cabinet interior shall be modified for use by the handicapped.</p>		
35.715.2151	2 Stops	169.200,00	12.320,00
35.715.2152	3 Stops	183.400,00	14.220,00
35.715.2153	4 Stops	197.700,00	16.110,00
35.715.2154	5 Stops	213.800,00	19.890,00
35.715.2155	6 Stops	223.700,00	21.790,00
35.715.2156	7 Stops	230.800,00	23.680,00
<b>35.715.2200</b>	<p><b>Hydraulic freight elevator, Lifting capacity: 2000 kg, Cabinet speed: 0.40 m/s, Unit: Qty.</b>  Pit (cross section) size: 2700 x 3150 mm (width x depth), Cabinet cross-sectional size: 1500 x 2700 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 3.935 - 4.2 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1400 mm, Entrance height: 2100 mm.</p>		
35.715.2201	2 Stops	172.600,00	12.320,00
35.715.2202	3 Stops	186.700,00	14.220,00
35.715.2203	4 Stops	197.200,00	16.110,00
35.715.2204	5 Stops	213.100,00	19.890,00
35.715.2205	6 Stops	227.000,00	21.790,00
35.715.2206	7 Stops	241.100,00	23.680,00
<b>35.715.2250</b>	<p><b>Hydraulic freight elevator, Lifting capacity: 2000 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b>  Pit (cross section) size: 2700 x 3150 mm (width x depth), Cabinet cross-sectional size: 1500 x 2700 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 3.935 - 4.2 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1400 mm, Entrance height: 2100 mm.</p>		
35.715.2251	2 Stops	173.500,00	12.320,00
35.715.2252	3 Stops	187.900,00	14.220,00
35.715.2253	4 Stops	202.000,00	16.110,00
35.715.2254	5 Stops	214.000,00	19.890,00
35.715.2255	6 Stops	228.100,00	21.790,00
35.715.2256	7 Stops	242.100,00	23.680,00
<b>35.715.2300</b>	<p><b>Hydraulic patient elevator, Lifting capacity: 2500 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b>  Pit (cross section) size: 2700 x 3300 mm (width x depth), Cabinet cross-sectional size: 1800 x 2700 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 4.625 - 5.00 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1300 mm, Entrance height: 2100 mm. Note: The cabinet interior shall be modified for use by the handicapped.</p>		

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.715.2301	2 Stops	193.100,00	14.220,00
35.715.2302	3 Stops	207.200,00	16.110,00
35.715.2303	4 Stops	217.300,00	18.010,00
35.715.2304	5 Stops	233.100,00	21.790,00
35.715.2305	6 Stops	247.100,00	23.680,00
35.715.2306	7 Stops	261.300,00	25.580,00
<b>35.715.2350</b>	<b>Hydraulic freight elevator, Lifting capacity: 2500 kg, Cabinet speed: 0.40 m/s, Unit: Qty.</b> Pit (cross section) size: 3000 x 3150 mm (width x depth), Cabinet cross-sectional size: 1800 x 2700 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 4.625 - 5.00 m <sup>2</sup> as per TS EN 81-20. Entrance width: 1800 mm, Entrance height: 2500 mm.		
35.715.2351	2 Stops	195.500,00	14.220,00
35.715.2352	3 Stops	206.200,00	16.110,00
35.715.2353	4 Stops	220.400,00	18.010,00
35.715.2354	5 Stops	232.000,00	21.790,00
35.715.2355	6 Stops	245.900,00	23.680,00
35.715.2356	7 Stops	260.200,00	25.580,00
<b>35.715.2400</b>	<b>Hydraulic freight elevator, Lifting capacity: 2500 kg, Cabinet speed: 0.60 m/s, Unit: Qty.</b> Pit (cross section) size: 3000 x 3150 mm (width x depth), Cabinet cross-sectional size: 1800 x 2700 mm (width x depth), Where the dimensions specified in TS 8238 ISO 4190-2 cannot be fulfilled, the area of the cabinet shall be 4.625 - 5.00 m <sup>2</sup> as per TS EN 81-20. Entrance width: 1800 mm, Entrance height: 2500 mm.		
35.715.2401	2 Stops	196.700,00	14.220,00
35.715.2402	3 Stops	207.200,00	16.110,00
35.715.2403	4 Stops	221.500,00	18.010,00
35.715.2404	5 Stops	233.100,00	21.790,00
35.715.2405	6 Stops	247.000,00	23.670,00
35.715.2406	7 Stops	261.100,00	25.580,00

**Lift Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.720.1000	<p><b>ELEVATOR INSTALLATION WITHOUT MACHINE ROOM (in compliance with TS EN 81-20 and TS EN 81-50)</b>                      Compliance with the standards TS EN 81-20 and TS EN 81-50 (TS EN 81-1+A3 shall also be acceptable until the date annulment date of the aforementioned standards) for General and Safety Rules, TS EN 12016 for electromagnetic compatibility, and TS ISO 4190-1 and TS ISO 8238 4190-2 for placement and dimensions shall be sought. Delivery in working order of the elevator installation without engine room and with door leaves made of 1.25-mm-thick DKP sheet metal; fully automatic floor doors (with two telescopic leaves, opening from the center to the sides) zinc phosphatized by spraying method in surface cleaning baths, then painted in a color requested by the administration by electrostatic method and oven-dried, and certified for compliance with CE standards; door mechanisms with the same specifications and with drive engines, which shall be installed on the cabinet and driven with a mechanism (chain, belt, lever, etc.) to operate in synchronization with the floor doors; locking mechanisms, pulleys, roller guides, rails, belts, chains, levers and electronic cards CE certified; fully automatic cabinet door (two-leaf, telescopic, opening from the center to the sides); emergency uninterruptible power supply with Ni-Cd or dry battery which shall move the cabinet to the nearest floor and open the doors in case of power outage; light curtain equal to the inner height of the door, which contains multiple beams (min. 94 beams) to protect the occupants or loads entering the cabinet (full-height photocell); frequency inverter that adjusts the speed of the motor to prevent the impacts while the elevator starts to move or stops and to adjust the position of the cabinet precisely; a tacho generator or encoder that constantly measures the motor speed; a filter that eliminates the disturbances in the system; variable voltage/variable frequency (vovf) drive system that is made up of a regulated feedback and resistance unit; cumulative control feature, including material and labor (except the group controller equipment).                      NOTE:                      The elevator installation shall be manufactured in compliance with the Directive 2014/33/EU for Lifts and Safety Components for Lifts, and released with the CE compliance marking.                      The fully automatic floor doors shall fulfill the specifications provided in the standard TS EN 81-58 and fire-resistant as per the Fire Safety Directive. The fire-resistant doors shall be certified to resist fire for min. 60 minutes by an accredited organization.                      The cabinet interior, and fully automatic cabinet and floor doors shall be paneled with (0.80 mm thick) satinized stainless steel sheet.</p>		
35.720.1100	<p><b>Class I elevators (The elevators designed for carrying passengers). Without engine room, Variable-speed, Capacity: 630 kg, Unit: Qty.</b>                      Capacity (rated capacity): 630 kg, Pit (cross section) size: 2000 x 2100 mm (width x depth), Cabinet cross-sectional size: 1100 x 1400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 1.45 - 1.66 m<sup>2</sup> as per TS EN 81-20.                      Entrance width: 900 mm, Entrance height: min. 2000 mm as per TS EN 81-20.                      Note: The cabinet interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and cabinet area.</p>		
35.720.1101	2 Stops 1.00 m/s speed	120.700,00	11.650,00
35.720.1102	3 Stops 1.00 m/s speed	125.600,00	12.420,00
35.720.1103	4 Stops 1.00 m/s speed	132.000,00	14.130,00
35.720.1104	5 Stops 1.00 m/s speed	138.600,00	15.820,00
35.720.1105	6 Stops 1.00 m/s speed	147.600,00	17.530,00
35.720.1106	7 Stops 1.00 m/s speed	155.000,00	19.230,00
35.720.1107	8 Stops 1.00 m/s speed	162.200,00	20.940,00

Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.720.1108	9 Stops 1.00 m/s speed	170.000,00	22.650,00
35.720.1109	10 Stops 1.00 m/s speed	177.900,00	24.350,00
35.720.1110	11 Stops 1.60 m/s speed	189.300,00	26.760,00
35.720.1111	12 Stops 1.60 m/s speed	197.500,00	28.450,00
35.720.1112	13 Stops 1.60 m/s speed	205.700,00	30.160,00
35.720.1113	14 Stops 1.60 m/s speed	215.500,00	31.860,00
35.720.1114	15 Stops 1.60 m/s speed	227.900,00	33.570,00
<b>35.720.1200</b>	<b>Class I elevators (The elevators designed for carrying passengers). Class II elevators (The elevators designed principally to carry passengers, and to carry other objects when necessary). Without engine room, Variable-speed, Rated capacity: 800 kg, Unit: Qty.</b> Capacity (rated capacity): 800 kg, Pit (cross section) size: 2000 x 2200 mm (width x depth), Carriage cross-sectional size: 1350 x 1400 mm (width x depth) or 1200 x 1500 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the carriage shall be 1.87 - 2.00 m <sup>2</sup> as per TS EN 81-20. Entrance width: 900 mm, Entrance height: min. 2000 mm as per TS EN 81-20. Note: The carriage interior shall be modified for use by the handicapped. The article 45 of the Planned Areas Type Zoning Regulation shall be taken into consideration for door width and carriage area.		
35.720.1201	2 Stops 1.00 m/s speed	125.900,00	12.700,00
35.720.1202	3 Stops 1.00 m/s speed	136.500,00	13.460,00
35.720.1203	4 Stops 1.00 m/s speed	143.200,00	15.150,00
35.720.1204	5 Stops 1.00 m/s speed	150.200,00	16.870,00
35.720.1205	6 Stops 1.00 m/s speed	157.900,00	18.550,00
35.720.1206	7 Stops 1.00 m/s speed	166.100,00	20.280,00
35.720.1207	8 Stops 1.00 m/s speed	167.400,00	21.970,00
35.720.1208	9 Stops 1.00 m/s speed	181.800,00	23.680,00
35.720.1209	10 Stops 1.00 m/s speed	190.000,00	25.380,00
35.720.1210	11 Stops 1.60 m/s speed	194.300,00	27.640,00
35.720.1211	12 Stops 1.60 m/s speed	201.800,00	29.370,00
35.720.1212	13 Stops 1.60 m/s speed	211.400,00	31.050,00
35.720.1213	14 Stops 1.60 m/s speed	223.200,00	32.770,00
35.720.1214	15 Stops 1.60 m/s speed	239.700,00	34.460,00
<b>35.720.1300</b>	<b>Class I elevators (The elevators designed for carrying passengers). Class II elevators (The elevators designed principally to carry passengers, and to carry other objects when necessary). Without engine room, Variable-speed, Capacity: 1000 kg, Unit: Qty.</b> Capacity (rated capacity): 1000 kg, Pit (cross section) size: 2200 x 2200 mm (width x depth), Cabinet cross-sectional size: 1600 x 1400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the cabinet shall be 2.15 - 2.40 m <sup>2</sup> as per TS EN 81-20. Entrance width: 900 mm, Entrance height: min. 2000 mm as per TS EN 81-20. Note: The cabinet interior shall be modified for use by the handicapped.		
35.720.1301	2 Stops 1.00 m/s speed	138.800,00	14.030,00

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.720.1302	3 Stops 1.00 m/s speed	144.400,00	14.790,00
35.720.1303	4 Stops 1.00 m/s speed	151.400,00	16.490,00
35.720.1304	5 Stops 1.00 m/s speed	158.800,00	18.180,00
35.720.1305	6 Stops 1.00 m/s speed	166.100,00	19.890,00
35.720.1306	7 Stops 1.00 m/s speed	174.000,00	21.590,00
35.720.1307	8 Stops 1.00 m/s speed	182.200,00	23.300,00
35.720.1308	9 Stops 1.00 m/s speed	191.900,00	25.290,00
35.720.1309	10 Stops 1.00 m/s speed	203.300,00	27.560,00
35.720.1310	11 Stops 1.60 m/s speed	212.100,00	29.270,00
35.720.1311	12 Stops 1.60 m/s speed	222.200,00	30.960,00
35.720.1312	13 Stops 1.60 m/s speed	234.700,00	32.670,00
35.720.1313	14 Stops 1.60 m/s speed	242.200,00	34.370,00
35.720.1314	15 Stops 1.60 m/s speed	250.200,00	36.080,00
<b>35.720.1400</b>	<p><b>Class I elevators (The elevators designed for carrying passengers). Class II elevators (The elevators designed principally to carry passengers, and to carry other objects when necessary). Without engine room, Variable-speed, Rated capacity: 1250 kg, Unit: Qty.</b> Capacity (rated capacity): 1250 kg, Pit (cross section) size: 2500 x 2200 mm (width x depth), Carriage cross-sectional size: 2000 x 1400 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the carriage shall be 2.71 - 2.95 m<sup>2</sup> as per TS EN 81-20. Entrance width: 1100 mm, Entrance height: min. 2100 mm as per TS EN 81-20. Note: The carriage interior shall be modified for use by the handicapped.</p>		
35.720.1401	2 Stops 1.00 m/s speed	145.000,00	14.380,00
35.720.1402	3 Stops 1.00 m/s speed	152.000,00	15.160,00
35.720.1403	4 Stops 1.00 m/s speed	159.000,00	16.900,00
35.720.1404	5 Stops 1.00 m/s speed	166.000,00	18.640,00
35.720.1405	6 Stops 1.00 m/s speed	173.000,00	20.390,00
35.720.1406	7 Stops 1.00 m/s speed	180.000,00	22.130,00
35.720.1407	8 Stops 1.00 m/s speed	187.000,00	23.880,00
35.720.1408	9 Stops 1.00 m/s speed	194.000,00	25.930,00
35.720.1409	10 Stops 1.00 m/s speed	204.000,00	28.250,00
35.720.1410	11 Stops 1.60 m/s speed	214.000,00	30.000,00
35.720.1411	12 Stops 1.60 m/s speed	224.000,00	31.740,00
35.720.1412	13 Stops 1.60 m/s speed	234.000,00	33.490,00
35.720.1413	14 Stops 1.60 m/s speed	244.000,00	35.230,00
35.720.1414	15 Stops 1.60 m/s speed	254.000,00	36.980,00

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.720.1500</b>	<b>Class I elevators (The elevators designed for carrying passengers). Class II elevators (The elevators designed principally to carry passengers, and to carry other objects when necessary). Without engine room, Variable-speed, Rated capacity: 1600 kg, Unit: Qty.</b> Capacity (rated capacity): 1600 kg, Pit (cross section) size: 2700 x 2500 mm (width x depth), Carriage cross-sectional size: 2100 x 1600 mm (width x depth), Where the dimensions specified in TS ISO 4190-1 cannot be fulfilled, the area of the carriage shall be 3.245 - 3.56 m <sup>2</sup> as per TS EN 81-20. Entrance width: 1100 mm, Entrance height: min. 2100 mm as per TS EN 81-20. Note: The carriage interior shall be modified for use by the handicapped.		
35.720.1501	2 Stops 1.00 m/s speed	156.600,00	14.740,00
35.720.1502	3 Stops 1.00 m/s speed	164.000,00	15.540,00
35.720.1503	4 Stops 1.00 m/s speed	171.700,00	17.320,00
35.720.1504	5 Stops 1.00 m/s speed	179.300,00	19.100,00
35.720.1505	6 Stops 1.00 m/s speed	186.900,00	20.900,00
35.720.1506	7 Stops 1.00 m/s speed	194.400,00	22.680,00
35.720.1507	8 Stops 1.00 m/s speed	201.900,00	24.480,00
35.720.1508	9 Stops 1.00 m/s speed	209.500,00	26.570,00
35.720.1509	10 Stops 1.00 m/s speed	220.000,00	28.950,00
35.720.1510	11 Stops 1.60 m/s speed	231.000,00	30.750,00
35.720.1511	12 Stops 1.60 m/s speed	241.900,00	32.530,00
35.720.1512	13 Stops 1.60 m/s speed	252.700,00	34.330,00
35.720.1513	14 Stops 1.60 m/s speed	263.500,00	36.110,00
35.720.1514	15 Stops 1.60 m/s speed	274.000,00	37.910,00
<b>35.725.1100</b>	<b>Class V elevator (Elevators sized too small for passengers to enter, and designed to lift small objects). Single-speed. (Unit: Qty)</b> In compliance with TS EN 81-3+A1 for General and Safety rules and TS EN 12016 for electromagnetic compatibility. Load capacity (Rated load): 100 kg. Pit (cross section) size: 1100 x 1000 mm (width x depth) Cabinet cross-sectional size: 800 x 800 x 800 mm (width x depth x height) Cabinet speed: 0.25 - 0.40 m/s. Paneling of floor doors and cabinet interior with satin-finish stainless steel sheet, and delivery in working order, including floor doors, any material and labor. Note: To be in compliance with the Machinery Directive 2006/42/EC, and CE-certified.		
35.725.1101	2 Stops	22.230,00	2.620,00
35.725.1102	3 Stops	23.370,00	3.030,00
35.725.1103	4 Stops	24.740,00	3.280,00
35.725.1104	5 Stops	26.100,00	3.620,00
35.725.1105	6 Stops	27.480,00	3.930,00
35.725.1106	7 Stops	28.580,00	4.140,00
35.725.1107	8 Stops	29.910,00	4.490,00
35.725.1108	9 Stops	31.610,00	4.740,00
35.725.1109	10 Stops	33.860,00	5.120,00
35.725.1110	11 Stops	35.650,00	5.200,00

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.725.1111	12 Stops	38.070,00	5.560,00
35.725.1112	13 Stops	40.840,00	5.900,00
35.725.1113	14 Stops	43.270,00	6.240,00
35.725.1114	15 Stops	45.860,00	6.560,00
<b>35.725.1200</b>	<p><b>Class V Elevator (Elevators sized too small for passengers to enter, and designed to lift small objects).</b>                      Two-speed. (Unit: Qty) In compliance with TS EN 81-3+A1 for General and Safety rules and with TS EN 12016 for electromagnetic compatibility, Capacity (rated load): 250 kg, Pit (cross section) size: 1500 x 1200 mm (width x depth) Cabinet cross-sectional size: 1000 x 1000 x 1200 mm (width x depth x height), Cabinet speed: 0.25 - 0.40 / 0.10 m/s. Paneling of the floor doors and cabinet interior with satinized stainless steel sheet, and delivery in working order, including floor doors and any material and labor. Note: To be in compliance with the Machinery Directive 2006/42/EC, and CE-certified.</p>		
35.725.1201	2 Stops	38.350,00	5.200,00
35.725.1202	3 Stops	40.060,00	5.560,00
35.725.1203	4 Stops	41.910,00	5.900,00
35.725.1204	5 Stops	43.400,00	6.560,00
35.725.1205	6 Stops	45.490,00	7.190,00
35.725.1206	7 Stops	47.540,00	7.630,00
35.725.1207	8 Stops	51.410,00	8.200,00
35.725.1208	9 Stops	52.110,00	8.440,00
35.725.1209	10 Stops	54.470,00	8.820,00
35.725.1210	11 Stops	57.870,00	9.480,00
35.725.1211	12 Stops	60.570,00	10.080,00
35.725.1212	13 Stops	62.810,00	10.640,00
35.725.1213	14 Stops	65.500,00	11.230,00
35.725.1214	15 Stops	68.100,00	11.690,00
<b>35.725.2000</b>	<p><b>Control equipment group (Collective system), Unit: Qty.</b>                      Installation and delivery, including any small material and labor, of a system installed side by side with a selective mechanism, which shall call the cabinet that is the closest and the most available load capacity among multiple elevators to the floor from which it is called. Unit: Unit price for one collective mechanism for the first two elevators. 70% of the unit price of the collective mechanism shall be added to each elevator with collective mechanism to be added to this system.</p>		
35.725.2001	4 Stops	3.730,00	1.050,00
35.725.2002	5 Stops	3.920,00	1.120,00
35.725.2003	6 Stops	4.160,00	1.170,00
35.725.2004	7 Stops	4.450,00	1.310,00
35.725.2005	8 Stops	4.610,00	1.380,00
35.725.2006	9 Stops	4.880,00	1.530,00
35.725.2007	10 Stops	5.040,00	1.650,00
35.725.2008	11 Stops	5.300,00	1.790,00
35.725.2009	12 Stops	5.450,00	1.910,00
35.725.2010	13 Stops	5.690,00	1.970,00



**Lift Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.725.2011	14 Stops	5.870,00	2.120,00
35.725.2012	15 Stops	6.110,00	2.260,00
35.725.2100	<b>PRICE DIFFERENCE FOR DUAL-ENTRANCE CARRIAGES, Unit: Qty.</b> Materials on construction site: 80% The price difference for dual-entrance cabinets instead of single-entrance for passenger, patient and freight elevators.	1.930,00	560,00
<b>35.725.2200</b>	<b>ADDITIONAL FULLY-AUTOMATIC CARRIAGE DOORS</b> The price difference to be paid for each additional door if additional fully automatic cabinet doors are installed.		
35.725.2201	For passenger elevators	6.410,00	663,00
35.725.2202	For patient and freight elevators	8.040,00	927,00
<b>35.725.2250</b>	<b>ADDITIONAL FULLY-AUTOMATIC FLOOR DOORS</b> The price difference to be paid for each additional door if additional fully automatic floor doors are installed.		
35.725.2251	For passenger elevators	4.990,00	1.680,00
35.725.2252	For patient and freight elevators	6.490,00	2.180,00
<b>35.725.2300</b>	<b>ADDITIONAL LANDING DOORS, Unit: Qty, Materials on construction site: 80%</b> The price difference to be paid for each additional door if additional landing doors are installed.		
35.725.2302	For service elevators	272,00	118,00
<b>35.725.2400</b>	<b>PRICE DIFFERENCE FOR FLOOR HEIGHT, Unit: m.</b> The price difference to be paid for each meter where the height between the bottom and top stops of the cabinet is more than 3 meters for each floor.		
35.725.2410	For variable-speed passenger elevators	270,00	99,50
35.725.2420	For patient and freight elevators	329,00	141,00
35.725.2430	For service elevators	120,00	69,50
<b>35.730.1000</b>	<b>ESCALATORS (Unit: Qty) (Materials on construction site: 80%)</b>		
<b>35.730.1100</b>	<b>Escalators with 35 degrees climbing angle (for indoors):</b> Delivery in working order, including any material and labor, of escalators in compliance with the Machinery Directive 2006/42/EC, TS EN 115-1+A1 standard and CE-certified; with panels in compliance with TS EN 61439-1/2, 0.50 m/s speed, radar sensor, monobloc aluminum entrance and exit steps with min. two horizontal steps, inner panels of railings made of 10-mm tempered glass, a control system made up of electronic microprocessor controlled, Programmable Logic Controlled (PLC) or VVVF (Variable Voltage Variable Frequency) control system and an error code indicator display, automatic lubrication system, and a carrier structure coated with primer and paneled with 2-mm DKP sheet metal, which shall be equipped with physical and electronic measures related to the hazard if an object jams the system. Note: The price of VVVF system is included in the price. For side surfaces, the items with no. 35.730.1750 and 35.730.1760 shall be used.		
<b>35.730.1101</b>	<b>Step width: 600 mm, with 4500 passengers/hour capacity.</b>		
35.730.1102	H: 3000 mm	175.200,00	25.970,00
35.730.1103	H: 3250 mm	180.000,00	26.680,00
35.730.1104	H: 3500 mm	183.000,00	27.150,00
35.730.1105	H: 3750 mm	187.800,00	27.850,00
35.730.1106	H: 4000 mm	191.100,00	28.320,00
35.730.1107	H: 4250 mm	195.800,00	29.050,00
35.730.1108	H: 4500 mm	199.000,00	29.500,00
35.730.1109	H: 4750 mm	205.400,00	30.460,00

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.730.1110	H: 5000 mm	208.600,00	30.930,00
35.730.1111	H: 5250 mm	213.300,00	31.640,00
35.730.1112	H: 5500 mm	216.800,00	32.100,00
35.730.1113	H: 5750 mm	221.400,00	32.810,00
35.730.1114	H: 6000 mm	225.900,00	33.450,00
<b>35.730.1150</b>	<b>Step width: 800 mm, with 6750 passengers/hour capacity.</b>		
35.730.1151	H: 3000 mm	175.400,00	26.010,00
35.730.1152	H: 3250 mm	180.900,00	26.830,00
35.730.1153	H: 3500 mm	184.300,00	27.340,00
35.730.1154	H: 3750 mm	189.000,00	28.040,00
35.730.1155	H: 4000 mm	203.700,00	28.520,00
35.730.1156	H: 4250 mm	208.700,00	29.220,00
35.730.1157	H: 4500 mm	212.000,00	29.680,00
35.730.1158	H: 4750 mm	219.000,00	30.630,00
35.730.1159	H: 5000 mm	222.400,00	31.100,00
35.730.1160	H: 5250 mm	223.700,00	31.810,00
35.730.1161	H: 5500 mm	227.300,00	32.280,00
35.730.1162	H: 5750 mm	232.000,00	33.010,00
35.730.1163	H: 6000 mm	235.500,00	33.450,00
<b>35.730.1200</b>	<b>Step width: 1000 mm, with 9000 passengers/hour capacity.</b>		
35.730.1201	H: 3000 mm	185.900,00	26.440,00
35.730.1202	H: 3250 mm	190.800,00	27.150,00
35.730.1203	H: 3500 mm	194.200,00	27.610,00
35.730.1204	H: 3750 mm	199.100,00	28.320,00
35.730.1205	H: 4000 mm	207.400,00	28.790,00
35.730.1206	H: 4250 mm	212.600,00	29.500,00
35.730.1207	H: 4500 mm	215.900,00	29.990,00
35.730.1208	H: 4750 mm	222.900,00	30.930,00
35.730.1209	H: 5000 mm	226.100,00	31.410,00
35.730.1210	H: 5250 mm	231.600,00	32.100,00
35.730.1211	H: 5500 mm	234.700,00	32.590,00
35.730.1212	H: 5750 mm	238.000,00	33.290,00
35.730.1213	H: 6000 mm	241.200,00	33.770,00
<b>35.730.1300</b>	Escalators with 30 degrees climbing angle (for indoors): Delivery in working order, including any material and labor, of escalators in compliance with the Machinery Directive 2006/42/EC, TS EN 115-1+A1 standard and CE-certified; with panels in compliance with TS EN 61439-1/2, 0.50 m/s speed, radar sensor, monobloc aluminum entrance and exit steps with min. two horizontal steps, inner panels of railings made of 10-mm tempered glass, a control system made up of electronic microprocessor controlled, Programmable Logic Controlled (PLC) or VVVF (Variable Voltage Variable Frequency) control system and an error code indicator display, automatic lubrication system, and a carrier structure coated with primer and paneled with 2-mm DKP sheet metal, which shall be equipped with physical and electronic measures related to the hazard if an object jams the system. Note: The price of VVVF system is included in the price. For side surfaces, the items with no. 35.730.1750 and 35.730.1760 shall be used.		

Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.730.1310</b>	<b>Step width: 600 mm, with 4500 passengers/hour capacity.</b>		
35.730.1311	H: 3000 mm	180.900,00	26.830,00
35.730.1312	H: 3250 mm	185.800,00	27.560,00
35.730.1313	H: 3500 mm	189.000,00	28.040,00
35.730.1314	H: 3750 mm	193.800,00	28.740,00
35.730.1315	H: 4000 mm	210.400,00	29.220,00
35.730.1316	H: 4250 mm	215.600,00	29.920,00
35.730.1317	H: 4500 mm	217.600,00	30.240,00
35.730.1318	H: 4750 mm	218.800,00	30.400,00
35.730.1319	H: 5000 mm	225.700,00	31.350,00
35.730.1320	H: 5250 mm	234.200,00	32.540,00
35.730.1321	H: 5500 mm	237.700,00	33.010,00
35.730.1322	H: 5750 mm	241.900,00	33.600,00
35.730.1323	H: 6000 mm	246.300,00	34.170,00
<b>35.730.1350</b>	<b>Step width: 800 mm, with 6750 passengers/hour capacity.</b>		
35.730.1351	H: 3000 mm	190.900,00	26.750,00
35.730.1352	H: 3250 mm	196.100,00	27.450,00
35.730.1353	H: 3500 mm	199.500,00	27.930,00
35.730.1354	H: 3750 mm	201.100,00	28.630,00
35.730.1355	H: 4000 mm	212.700,00	29.110,00
35.730.1356	H: 4250 mm	218.100,00	29.810,00
35.730.1357	H: 4500 mm	221.500,00	30.260,00
35.730.1358	H: 4750 mm	225.000,00	31.220,00
35.730.1359	H: 5000 mm	228.100,00	31.690,00
35.730.1360	H: 5250 mm	237.400,00	32.400,00
35.730.1361	H: 5500 mm	240.700,00	32.860,00
35.730.1362	H: 5750 mm	245.800,00	33.580,00
35.730.1363	H: 6000 mm	249.400,00	34.050,00
<b>35.730.1400</b>	<b>Step width: 1000 mm, with 9000 passengers/hour capacity.</b>		
35.730.1401	H: 3000 mm	194.700,00	27.000,00
35.730.1402	H: 3250 mm	199.600,00	27.740,00
35.730.1403	H: 3500 mm	203.200,00	28.200,00
35.730.1404	H: 3750 mm	208.200,00	28.910,00
35.730.1405	H: 4000 mm	220.200,00	29.400,00
35.730.1406	H: 4250 mm	225.700,00	30.100,00
35.730.1407	H: 4500 mm	229.000,00	30.580,00
35.730.1408	H: 4750 mm	230.500,00	31.510,00
35.730.1409	H: 5000 mm	234.400,00	32.000,00
35.730.1410	H: 5250 mm	239.500,00	32.690,00
35.730.1411	H: 5500 mm	242.800,00	33.260,00
35.730.1412	H: 5750 mm	249.600,00	34.110,00
35.730.1413	H: 6000 mm	257.600,00	34.360,00

**Lift Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.730.1450</b>	<b>Escalators with 35 degrees climbing angle (for outdoors):</b> Delivery in working order, including any material and labor, of escalators in compliance with the Machinery Directive 2006/42/EC, TS EN 115-1+A1 standard and CE-certified; with panels in compliance with TS EN 61439-1/2, 0.50 m/s speed, radar sensor, monobloc aluminum entrance and exit steps with min. two horizontal steps, inner panels of railings made of 10-mm tempered glass or satinized stainless steel sheet, electronic microprocessor controlled, Programmable Logic Controlled (PLC) or VVVF (Variable Voltage Variable Frequency) control system and an error code indicator display, automatic lubrication system, a carrier structure coated with primer and paneled with 2-mm DKP sheet metal, with sides paneled with 1.20-mm galvanized sheet metal, internal mechanism protected against corrosion (with galvanized drive system, step chain, guide rails), engine and control panel with protection factors, which shall be equipped with physical and electronic measures related to the hazard if an object jams the system. Note: The price of VVVF system is included in the price.		
<b>35.730.1460</b>	<b>Step width: 600 mm, with 4500 passengers/hour capacity.</b>		
35.730.1461	H: 3000 mm	259.000,00	43.350,00
35.730.1462	H: 3250 mm	263.600,00	46.650,00
35.730.1463	H: 3500 mm	268.200,00	47.480,00
35.730.1464	H: 3750 mm	275.100,00	48.740,00
35.730.1465	H: 4000 mm	291.400,00	49.560,00
35.730.1466	H: 4250 mm	298.600,00	50.790,00
35.730.1467	H: 4500 mm	303.500,00	51.630,00
35.730.1468	H: 4750 mm	310.200,00	53.600,00
35.730.1469	H: 5000 mm	314.900,00	54.420,00
35.730.1470	H: 5250 mm	317.600,00	55.350,00
35.730.1471	H: 5500 mm	322.400,00	56.180,00
35.730.1472	H: 5750 mm	327.000,00	57.420,00
35.730.1473	H: 6000 mm	328.800,00	58.230,00
<b>35.730.1500</b>	<b>Step width: 800 mm, with 6750 passengers/hour capacity.</b>		
35.730.1501	H: 3000 mm	273.400,00	45.720,00
35.730.1502	H: 3250 mm	278.500,00	46.980,00
35.730.1503	H: 3500 mm	281.100,00	47.790,00
35.730.1504	H: 3750 mm	286.400,00	49.030,00
35.730.1505	H: 4000 mm	302.800,00	49.860,00
35.730.1506	H: 4250 mm	305.400,00	51.120,00
35.730.1507	H: 4500 mm	310.200,00	51.940,00
35.730.1508	H: 4750 mm	315.200,00	53.600,00
35.730.1509	H: 5000 mm	320.000,00	54.420,00
35.730.1510	H: 5250 mm	327.300,00	55.650,00
35.730.1511	H: 5500 mm	332.100,00	56.470,00
35.730.1512	H: 5750 mm	339.500,00	57.730,00
35.730.1513	H: 6000 mm	341.600,00	58.540,00

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.730.1550</b>	<b>Step width: 1000 mm, with 9000 passengers/hour capacity.</b>		
35.730.1551	H: 3000 mm	280.900,00	46.270,00
35.730.1552	H: 3250 mm	288.400,00	47.480,00
35.730.1553	H: 3500 mm	293.300,00	48.330,00
35.730.1554	H: 3750 mm	296.200,00	49.560,00
35.730.1555	H: 4000 mm	308.400,00	50.370,00
35.730.1556	H: 4250 mm	313.300,00	51.630,00
35.730.1557	H: 4500 mm	318.200,00	52.440,00
35.730.1558	H: 4750 mm	328.600,00	54.090,00
35.730.1559	H: 5000 mm	330.300,00	54.420,00
35.730.1560	H: 5250 mm	338.000,00	55.650,00
35.730.1561	H: 5500 mm	342.900,00	56.470,00
35.730.1562	H: 5750 mm	350.400,00	57.730,00
35.730.1563	H: 6000 mm	355.500,00	58.540,00
<b>35.730.1600</b>	<b>Escalators with 30 degrees climbing angle (for outdoors):</b> Delivery in working order, including any material and labor, of escalators in compliance with the Machinery Directive 2006/42/EC, TS EN 115-1+A1 standard and CE-certified; with panels in compliance with TS EN 61439-1/2, 0.50 m/s speed, radar sensor, monobloc aluminum entrance and exit steps with min. two horizontal steps, inner panels of railings made of 10-mm tempered glass or satinized stainless steel sheet, electronic microprocessor controlled, Programmable Logic Controlled (PLC) or VVVF (Variable Voltage Variable Frequency) control system and an error code indicator display, automatic lubrication system, a carrier structure coated with primer and paneled with 2-mm DKP sheet metal, with sides paneled with 1.20-mm galvanized sheet metal, internal mechanism protected against corrosion (with galvanized drive system, step chain, guide rails), engine and control panel with protection factors, which shall be equipped with physical and electronic measures related to the hazard if an object jams the system. Note: VVVF system price is included in the price.		
<b>35.730.1610</b>	<b>Step width: 600 mm, with 4500 passengers/hour capacity.</b>		
35.730.1611	H: 3000 mm	280.600,00	46.980,00
35.730.1612	H: 3250 mm	287.800,00	48.210,00
35.730.1613	H: 3500 mm	290.800,00	49.030,00
35.730.1614	H: 3750 mm	295.600,00	50.300,00
35.730.1615	H: 4000 mm	305.400,00	51.120,00
35.730.1616	H: 4250 mm	312.600,00	52.340,00
35.730.1617	H: 4500 mm	317.500,00	53.170,00
35.730.1618	H: 4750 mm	327.300,00	54.840,00
35.730.1619	H: 5000 mm	329.800,00	55.650,00
35.730.1620	H: 5250 mm	334.600,00	56.900,00
35.730.1621	H: 5500 mm	344.800,00	57.730,00
35.730.1622	H: 5750 mm	350.900,00	58.740,00
35.730.1623	H: 6000 mm	357.100,00	59.780,00

**Lift Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.730.1650</b>	<b>Step width: 800 mm, with 6750 passengers/hour capacity.</b>		
35.730.1651	H: 3000 mm	283.900,00	46.770,00
35.730.1652	H: 3250 mm	291.500,00	48.010,00
35.730.1653	H: 3500 mm	296.300,00	48.820,00
35.730.1654	H: 3750 mm	299.200,00	50.090,00
35.730.1655	H: 4000 mm	311.100,00	50.910,00
35.730.1656	H: 4250 mm	318.600,00	52.130,00
35.730.1657	H: 4500 mm	323.700,00	52.960,00
35.730.1658	H: 4750 mm	328.700,00	54.630,00
35.730.1659	H: 5000 mm	333.700,00	55.440,00
35.730.1660	H: 5250 mm	338.500,00	56.680,00
35.730.1661	H: 5500 mm	346.300,00	57.520,00
35.730.1662	H: 5750 mm	354.800,00	58.950,00
35.730.1663	H: 6000 mm	358.500,00	59.560,00
<b>35.730.1700</b>	<b>Step width: 1000 mm, with 9000 passengers/hour capacity.</b>		
35.730.1701	H: 3000 mm	293.900,00	47.290,00
35.730.1702	H: 3250 mm	301.500,00	48.530,00
35.730.1703	H: 3500 mm	304.400,00	49.340,00
35.730.1704	H: 3750 mm	309.400,00	50.580,00
35.730.1705	H: 4000 mm	319.300,00	51.410,00
35.730.1706	H: 4250 mm	327.300,00	52.660,00
35.730.1707	H: 4500 mm	332.400,00	53.470,00
35.730.1708	H: 4750 mm	340.000,00	55.150,00
35.730.1709	H: 5000 mm	345.000,00	55.970,00
35.730.1710	H: 5250 mm	346.900,00	57.200,00
35.730.1711	H: 5500 mm	361.300,00	59.280,00
35.730.1712	H: 5750 mm	362.300,00	59.280,00
35.730.1713	H: 6000 mm	370.500,00	60.090,00
35.730.1750	<b>Side surface paneling of escalators (Unit: m<sup>2</sup>) (Materials on construction site: 80%)</b> Any additional material, including labor, for paneling of the side surfaces of escalators with 1.5-mm-thick DKP sheet metal coated with electrostatic paint.	361,00	63,50
35.730.1760	<b>Side surface paneling of escalators (Unit: m<sup>2</sup>) (Materials on construction site: 80%)</b> Any additional material, including labor, for paneling of the side surfaces of escalators with 0.80-mm-thick Satinized Stainless steel sheet.	864,00	128,00
<b>35.730.1770</b>	<b>Difference for the third horizontal step:</b> 10% price difference shall be added to the unit price item of Escalator.		

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.735.1000</b>	<b>PLATFORM ELEVATORS WITH WHEELCHAIR PLATFORM (Unit: Qty., Materials on construction site: 80%)</b>		
<b>35.735.1100</b>	<b>Enclosed Vertical Lifting Platform (Unit: Qty., Materials on construction site: 80 percent)</b> Installation and delivery in working order of an Enclosed Vertical Lifting Platform in compliance with TS EN 81-41 for production and installation safety rules, TS ISO 9386-1 for safety, dimensions and functional operation rules, 2006/42/EC Machinery Directive, released with the CE marking, sized min. 900 x 1400 (width x depth) with 220 or 380 V operating voltage, 315 kg capacity (min. 1100 x 1400 mm and min. 385 kg capacity if the doors are positioned 90° to each other), with automatic doors sized 900 x 2000 mm (width x height), maximum 0.15 m/s speed, interior and exterior made of steel structure, equipped with a safety brake, overspeed regulator, safety nut, safety stopping device, with inverter system to prevent impacts during departure and stop, buttons with Braille alphabet, with non-slip flooring and protective panel and illumination, which shall operate with a worm gear system, announce the arrived floor with an audible notification, allow the platform to be moved to the floor manually or automatically, and connected to the authorized departments by an intercom or interphone system, and equipped with a control panel, control systems, drive units equipped with leakage current protection and in compliance with the Regulation on Internal Electrical Installations and the Regulation on Regulation on Earthing for Electrical Installations. Note: The item includes two landing doors.		
35.735.1101	travel distance: up to 1500 mm	58.360,00	5.540,00
35.735.1102	travel distance: up to 2000 mm	59.200,00	5.850,00
35.735.1103	travel distance: up to 2500 mm	60.870,00	6.150,00
35.735.1104	travel distance: up to 3000 mm	61.710,00	6.450,00
<b>35.735.1200</b>	<b>Enclosed Vertical Hydraulic Lifting Platform (Unit: Qty., Materials on construction site: 80%)</b> Installation and delivery in working order, including any material and labor, of hydraulic, enclosed, vertical wheelchair platform with a hydraulic piston, pump, oil tank, tubes, soft starters, leveling drive group, heater and cooler, with a drive cylinder that is 70 mm in diameter, 4-mm sheet metal oil tank, 10-m distance between the oil tank and cylinder, the flow rate limiter valve (burst pipe valve) located at the oil inlet of the cylinder, with the same specifications as the item 35.735.1100 except for other specifications.		
35.735.1201	travel distance: up to 1500 mm	58.940,00	5.540,00
35.735.1202	travel distance: up to 2000 mm	60.380,00	5.850,00
35.735.1203	travel distance: up to 2500 mm	64.090,00	6.150,00
35.735.1204	travel distance: up to 3000 mm	66.650,00	6.450,00

### Lift Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
35.735.1250	<b>Straight Stair-type, Foldable Wheelchair Platform: (Unit: Qty. Materials on construction site 80 percent</b> Installation and delivery in working order of a stair-type, foldable wheelchair platform with a cruising range of 5000 mm in compliance with the standard TS EN 81-40 for production and installation safety rules, TS ISO 9386-2 for the size and functional operation rules, and the Machinery Directive 2006/42/EC, released with the CE marking, sized 800 x 1000 mm, with 225 kg load capacity, 0.07 m/s speed, stainless steel platform, aluminum flooring, plastic side switch panels, with a key, remote control device, emergency stop button, overspeed regulator, and folding chair, which shall emit audible and visual warning while the platform is in motion.	56.030,00	7.590,00
35.735.1270	<b>Travel distance difference for straight Stair-type, Foldable Wheelchair Platform (Unit: m. Materials on construction site: 80%)</b> Travel distance price difference (per 1 meter)	1.550,00	
35.735.1280	<b>Travel distance price difference for Enclosed Vertical Lifting Platform (Unit: m. Materials on construction site: 80%)</b> Travel distance price difference (per 1 meter)	2.260,00	
35.735.1290	Additional landing doors for Enclosed Vertical Lifting Platform (Unit: Qty.)	6.280,00	262,00





**REPUBLIC OF TURKEY**

**THE MINISTRY OF ENVIRONMENT AND URBANISM**

Directorate of Higher Technical Board

1934

**DIESEL ELECTROGEN GROUPS  
AND INSTALLATION  
UNIT PRICES AND DEFINITIONS**

**2019**

### Diesel Electroden Groups and Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.740.1000</b>	<p><b>DIESEL ELECTRODEN GROUP INSTALLATION: (Materials on construction site: 80%)</b>                      Performing the feeder and control cables, cable and pipe ducts, supplying, installation and delivery at the work site in working condition of the 5 mm checkered plate duct covers, cable heads and attachment material, installation material, spare and other materials required on the technical specification and every kind of small materials that are manufactured in accordance with the Turkish standards as specified in the general provisions and descriptions section of the Unit Price book, Directive (2006/42/EC) Machinery, Directive (2000/14/EC) Noise Emission by Outdoor Equipment, 2014/35/EU Low Voltage Directive (LVD), released to the market with CE marking, at a power that can provide the required generator power at the specification and at the sea level as written in the Technical specifications in 24/24 hour continuous operation and full load, at a cross-section that complies with the power between two or four timed diesel engine and specification, the first movement and cooling appliance, 400/231 volt 50 Hz alternator that is coupled with this and the equipment, automatic activation appliance, board with devices as specified on the technical specification, alternator and its board. Note: 1-±10% modification is acceptable in the alternator power that is specified as kVA below. The price to be added or removed for each changed kVA will be found with the interpolation by using certain lower and upper values. The price of the powers in the residual location is determined by interpolation. 2- The prices for Electroden group, Transfer board (surface-mounted sheet board), Dry-type protective contactor, auxiliary contactor, time delay relay, Knife-type fuse (on the transfer board) for the grid inlet and generator flow, signal lamp, cable that is specified on the project based on power and distance (underground cable junction box and underground cable duct) Horn alarm honk (for exciting any transaction that is done on the control unit) and cable changing based on power and distance, cable junction box will be individually paid for the relevant items. Note: The automatic switching equipment included in the price of the diesel electroden group will comply with the following definition. Supply, installation and delivery in working condition of the automatic activation device (control unit) comprising of electronic circuits that will give light signals in the event of power outage, voltage dropping below or rising above a certain value, and when desired that will activate and deactivate the diesel electroden group in specific circumstances promptly or after a certain amount of time, that will give audible and light excitation in the event of a failure or malfunction, that will not be affected by the parallel operation of two groups, that will be able to operate automatically and manually depending on the needs, that can be adjusted in a way to disable the diesel automatically by giving audible and light excitation in case of a drop in the oil pressure and excessive temperature rise or decrease in the cooling water or temperature rise in the cylinder head, that can make 2 or 5 start-ups, that can determine the operation or non-operation, that will have light signal and the mechanism to lock the system in case of malfunction, that will perform emergency shutdown when required, that will stop the system and give light signal in case of an interruption in any of the generator phases, and in case of rising and decreasing engine speed, that will disconnect the load with a light signal in the event of overloading, that will give light signal in the event of feedstock failure, that will not trigger the diesel unnecessarily, that will operate every type of generators. NOTE: Other materials to be used will be paid separately from the relevant unit prices.</p>		
<b>35.740.1100</b>	<b>Diesel motor cooling with water or air, 1500 rpm: (Unit: Qty.)</b>		
35.740.1101	10 kVA (Prime power)	25.070,00	695,00
35.740.1102	20 kVA (Prime power)	27.950,00	973,00
35.740.1103	30 kVA (Prime power)	36.470,00	1.260,00
35.740.1104	36 kVA (Prime power)	38.740,00	1.520,00
35.740.1105	50 kVA (Prime power)	43.160,00	1.810,00
35.740.1106	63 kVA (Prime power)	46.870,00	1.970,00
35.740.1107	75 kVA (Prime power)	54.220,00	2.220,00

**Diesel Electrogen Groups and Installation**

<b>ITEM NO</b>	<b>NATURE OF WORK</b>	<b>UNIT PRICE INCLUDING INSTALLATION (TRY)</b>	<b>INSTALLATION FEE TRY (TRY)</b>
35.740.1108	100 kVA (Prime power)	59.950,00	2.750,00
35.740.1109	150 kVA (Prime power)	73.740,00	3.400,00
35.740.1110	200 kVA (Prime power)	90.880,00	3.920,00
35.740.1111	235 kVA (Prime power)	124.100,00	4.470,00
35.740.1112	250 kVA (Prime power)	129.800,00	4.970,00
35.740.1113	300 kVA (Prime power)	134.600,00	5.540,00
35.740.1114	350 kVA (Prime power)	156.300,00	6.110,00
35.740.1115	375 kVA (Prime power)	158.700,00	6.360,00
35.740.1116	400 kVA (Prime power)	178.700,00	6.700,00
35.740.1117	500 kVA (Prime power)	211.800,00	7.260,00
35.740.1118	625 kVA (Prime power)	301.500,00	7.720,00
35.740.1119	750 kVA (Prime power)	399.900,00	8.330,00
35.740.1120	875 kVA (Prime power)	455.900,00	8.910,00
35.740.1121	1000 kVA (Prime power)	575.600,00	9.670,00
35.740.1122	1250 kVA (Prime power)	885.600,00	11.900,00
35.740.1123	1500 kVA (Prime power)	986.500,00	13.500,00
35.740.1124	1750 kVA (Prime power)	1.267.200,00	16.240,00
<b>35.740.5000</b>	<b>SYNCHRONIZATION ASSEMBLY: (Unit: Qty.: Materials on construction site: 80%)</b>		
35.740.5100	<b>Hand-Operated (Manual):</b> Delivery of every kind of small materials including labor in working condition provided to contain plug (button) or selector cam switch, locking lever or console that will ensure parallel connection of two or more groups and that will ensure the selection of the generator to switch on dual voltmeter, dual frequency meter, synchronoscope, zero voltmeter, necessary current and voltage measurement transformers.	5.040,00	308,00
35.740.5200	<b>Automatic:</b> The automatic synchronization device, two Wattmeter (with Wattmetric relay), zero voltmeter and other specifications are same as with B.F.T. 35.740.5100.	6.560,00	492,00
35.740.5300	<b>Synchronization assembly 1250 - 2000 kVA (Automatic)</b> Note: Diesel, its original coupled alternator, dashboard, automatic switch-on assembly and synchronization assembly will be the original devices specified in the manufacturer company's package insert.	7.180,00	556,00

**Diesel Electrogen Groups and Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.740.5400</b>	<p><b>Sound insulation vessel: (unit: qty., materials on construction site: 60%)</b>                      The material will be 9-10 cm wall thickness, flat cowl outer part, and machined perforated sheet interior. The gap between these two sheets will be filled and compressed with foam and A class non-combustible glass wool fiber layer in accordance with TS EN 13501-1 + A1. Thanks to the special wall covered with perforated sheet, the sound will pass through these holes and be absorbed. These special walls will be inserted inside hood sections transversely two or three pieces at a time, and the sound will be absorbed during the air circulation. Doors will be placed in a way to carry out the maintenance of the machinery from all directions of the cabinet. Suitable gaskets will be installed to prevent the leakage of sound, when the doors are closed. Furthermore, the doors will be made of lockable type. After shutting the sound in the engine as the noise will only remain in the exhaust, exhausts with sound choke chambers will be used. The dimensions will grow based on the power of the generator, the cabinets will be scaled accordingly. Including every kind fasteners, delivery of every kind small materials including labors in working condition</p>		
35.740.5401	10 kVA	6.000,00	300,00
35.740.5402	20 kVA	6.000,00	300,00
35.740.5403	30 kVA	7.290,00	325,00
35.740.5404	36 kVA	7.290,00	325,00
35.740.5405	50 kVA	7.500,00	350,00
35.740.5406	63 kVA	7.500,00	350,00
35.740.5407	75 kVA	7.500,00	350,00
35.740.5408	100 kVA	8.160,00	397,00
35.740.5409	150 kVA	9.850,00	456,00
35.740.5410	200 kVA	11.810,00	537,00
35.740.5411	250 kVA	12.110,00	596,00
35.740.5412	300 kVA	14.180,00	675,00
35.740.5413	400 kVA	16.030,00	754,00
35.740.5414	500 kVA	17.490,00	814,00
35.740.5415	625 kVA	17.930,00	892,00
35.740.5416	750 kVA	18.560,00	954,00
35.740.5417	875 kVA	22.180,00	1.060,00
35.740.5418	1000 kVA	26.360,00	1.150,00
35.740.5419	1250 kVA	27.010,00	1.210,00
35.740.5420	1500 kVA	27.680,00	1.300,00
35.740.5421	1750 kVA	28.320,00	1.360,00



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1934

**LIGHTNING PROTECTION INSTALLATION  
UNIT PRICES AND DEFINITIONS**

**2019**

### Lightning Protection Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.750.1000</b>	<b>LIGHTNING PROTECTION SYSTEM (Materials on construction site: 60%) (TS EN 62305-1/2/4, TS EN 62561-1, TS EN 62561-2)</b>		
35.750.1100	<b>Metallic arrester tip (Unit: Qty.)</b> Supply of a 800-mm-long (40-mm part threaded) arrester tip Ø20 mm in diameter made of solid copper with a tapered end, and a roof-top fastener (as in the project no. EL-2), connection to the roof-top connectors using the bolted terminal blocks on the copper fastener, screwing the terminal block on the wooden roof-top wedge, and delivery in working order, including any small material and labor.	183,00	21,70
<b>35.750.1500</b>	<b>Active arrester tip (Unit: Qty.)</b> Supply, transportation, installation on a post, connection of drop wires, and delivery in working order, including any small material and labor, of an active lightning arrester head made of non-corrosive materials or materials that bear such characteristics (e.g. chrome-plated copper, chromium-nickel, stainless steel, etc.), resistant to the highest wind speed, in compliance with the TS 13709/T1, (NFC17-102) and (UNE 21.186) standards, CE-certified, and guaranteed for operation for min. 15 years under the approval of the Ministry of Science, Industry and Technology, with an early stream excitation system, high corrosive resistance, min. IP 65 protection, and min. 15 µs ΔT excitation time, which can operate smoothly at -40°C to +120°C, resist a 100 kA lightning test current class H as per TS EN 50164-1 /TS EN 62561-1, as described in the relevant technical specifications. NOTE: 1- Type tests of active lightning rod heads shall be conducted by a laboratory accredited by TURKAK or an international organization, and submitted to the Administration. 2- A document certifying that the IP 65 protection class test was conducted by an organization accredited by TURKAK or an International organization shall be submitted to the Administration.		
35.750.1501	Mean excitation way DL = 15 to 25 m.	2.700,00	159,00
35.750.1502	Mean excitation way DL = 30 to 40 m.	2.940,00	159,00
35.750.1503	Mean excitation way DL = 40 to 50 m.	3.050,00	159,00
35.750.1504	Mean excitation way DL = 60 m.	3.230,00	159,00
35.750.1600	<b>Roof-top post (For active arrester tip) (Unit: Qty., Materials on construction site: 60%)</b> Supply of a 6-meter post made of 80-mm galvanized pipe (1 size), including any accessory material related to the drop wire and securing of the post, and installation of the post without damaging the roof, including the fasteners along the post. If the length of the post exceeds 6 meters, the part exceeding 6 meters shall be charged per the relevant unit price.	442,00	146,00
35.750.1650	<b>Lightning counter (unit: Qty., materials on construction site: 60%)</b> Lightning counter with indicator, without power supply, including connectors, which shall count maximum 100-kA lightning pulses flowing from the drop wire to the earth, hence make it easier to monitor how many times the system has been exposed to lightning discharges, be in compliance with the standards, and installed serially to the test terminal block or to the drop wire 2 m above the ground within the lightning protection systems.	655,00	4,60
35.750.1700	<b>Active lightning rod test device (unit: qty., materials on construction site: 60%)</b> A portable device designed to test the operation of the active lightning rod, indicating whether it operates by the LEDs on the device.	733,00	5,00

### Lightning Protection Installation

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.750.2000</b>	<p><b>Roof surrounding and drop wires (Unit: m, Materials on construction site: 60%)</b>                      Installation of roof and conductor wiring as described in the specifications, using bare electrolytic solid copper conductors, taking measures against corrosion at points of connection to the arrester tip or earth electrode with pointed or threaded pronged wire clips made of bronze cast or similar materials, silver soldering the attachments of conductors where necessary, including test terminal, any small material and labor.</p>		
35.750.2001	50-mm <sup>2</sup> electrolytic copper conductor	38,40	7,55
35.750.2002	25-mm <sup>2</sup> electrolytic copper conductor	20,30	6,90
35.750.2003	Electrolytic copper strip sized 3 x 25 or 4 x 20 mm for drop wire.	43,90	7,55
<b>35.750.3000</b>	<p><b>Installation of surrounding wires around the building (Unit: m, Materials on construction site: 60%)</b>                      Installing surrounding wires for the building using the conductors, making a 60 to 80-cm-deep canal around the building, laying the conductor and filling the canal back, connecting to the electrodes with rivets or by welding, including any small material and labor.</p>		
35.750.3001	50-mm <sup>2</sup> solid copper	40,50	9,60
35.750.3002	30 x 3.5-mm galvanized steel flat bars as described in the project design,	19,30	6,90
<b>35.750.4000</b>	<b>Earth electrode (Materials on construction site: 60%)</b>		
35.750.4001	<p><b>Earth electrode (Plate) electrolytic copper (Unit: Qty.)</b>                      Supply of 0.5-m<sup>2</sup> (0.70 x 0.70 m), 1.5-mm-thick copper sheets to the work site, preparation of pits in any type of soil, burial of the copper sheets, including any material and labor.</p>	337,00	41,40
35.750.4002	<p><b>Earth electrode (bar) electrolytic copper (Unit: Qty.)</b>                      Supply to the work site of a min 3.5-meter electrolytic copper bar in compliance with the TS 435/T1 standard, Ø20 mm in diameter, screw-mounting of a tapered head on one end to facilitate driving the bar into the ground, supply of the attachment with 4 cm threads if the bar is made up of two pieces, burying the bar min. 60 cm in the ground, connection to the drop conductors and surrounding conductors of the building by silver soldering or special bronze cast retaining clamps, including any small material and labor. Note: If the ground is rocky, appropriate soil shall be sought around that area.</p>	592,00	77,00
35.750.4003	<p><b>Conductor protecting pipe (Unit: Qty.)</b>                      Laying drop wires through 3-m, 20-mm galvanized iron pipe with the 0.5-m within the earth (the part of pipe exceeding 3 m shall be paid separately); Insulation of the conductor within the pipe with PVC or a similar insulator to prevent the part of the conductor within the pipe from contacting the pipe and attachment to the pipe at a point to prevent its operation as a transformer in case of lightning strike; test terminal made of non-corrosive material; supply, installation and delivery including any small material and labor of all materials.</p>	115,00	25,30
35.750.4500	<p><b>Silver soldering (Copper brazed)</b>                      Oxygen welding of 1 x 50 mm<sup>2</sup> copper conductor to F 20 mm earthing electrode with low-heat welding wire (copper welding wire)</p>	134,00	25,30

**Lightning Protection Installation**

ITEM NO	NATURE OF WORK	UNIT PRICE INCLUDING INSTALLATION (TRY)	INSTALLATION FEE TRY (TRY)
<b>35.750.5000</b>	<p><b>Exothermic welding attachment (copper to copper), (copper to aluminum), (copper to iron) (Unit: Qty.)</b> Attachment of conductors of any section to each other by exothermic reaction of copper oxide powder, including pots, pot pliers, scrapers, brushes, lighters, any material and labor.</p>		
35.750.5001	Up to 32 g welding powder	140,00	44,90
35.750.5002	Up to 65 g welding powder	154,00	44,90
35.750.5003	Up to 90 g welding powder	171,00	44,90
35.750.5004	Up to 115 g welding powder	181,00	44,90
35.750.5005	Up to 150 g welding powder	199,00	44,90
35.750.5006	Up to 200 g welding powder	229,00	44,90
35.750.5007	Up to 250 g welding powder	243,00	44,90
35.750.5500	<p><b>Chemical to reduce earthing resistance (Unit: kg)</b> Supply, transportation to the work site, and application around the conductors, of the aluminum silicate and carbon-based chemical to be used to reduce the earthing resistance below the values given in the specifications if it is higher.</p>	61,00	5,00





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