Republic of Turkey
Ministry of Environment, Urbanization and Climate Change

General Directorate of Construction Affairs

TÜRKİYE EARTHQUAKE RECOVERY AND RECONSTRUCTION PROJECT

(TERRP)

Subproject Name	Kahramanmaraş Province Çağlayancerit District Soğukpınar Neighbourhood and Dulkadiroğlu District Başdervişli Neighbourhood Rural Housing Project
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This Environmental and Social Management Plan is developed by the Koltek Consulting Company within the scope of "Consultancy Services for Design Review and Reconstruction Supervision of Rural Housing (Ref: TERRP/CS-DESSUP-02)" under Türkiye Earthquake Recovery and Reconstruction Project

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LIST OF ABBREVIATIONS

AFAD	Disaster and Emergency Management Presidency
AoI	Area of Influence
WB	World Bank
C-ESMP	Contractor Environmental and Social Management Plan
DSI	State Hydraulic Works
E&S	Environmental and Social
ESHS	Environmental, Social, Health and Safety
ESMF	Environmental and Social Management Framework
ESMP	Environmental and Social Management Plan
ESS	Environmental and Social Standard
GBVH	Gender Based Violence and Harassment
GDCA	General Directorate of Construction Affairs
GRM	Grievance Redress Mechanism
Koltek	Koltek Consulting Company
LMP	Labor Management Procedure/Plan
MoEUCC	Ministry of Environment, Urbanization and Climate Change
OHS	Occupational Health and Safety
PIU	Project Implementation Unit
PPE	Personal Protective Equipment
SEA/SH	Sexual Exploitation and Abuse/Sexual Harassment
SEP	Stakeholder Engagement Plan
TERRP	Türkiye Earthquake Recovery and Reconstruction Project
TMP	Traffic Management Plan
WMP	Waste Management Plan
WWTP	Wastewater Treatment Plant

1. INTRODUCTION

The World Bank (WB) is supporting the Ministry of Environment, Urbanization and Climate Change (MoEUCC) in implementing the Türkiye Earthquake Recovery and Reconstruction Project (TERRP). WB finances TERRP activities under Component 3, Rural Housing Reconstruction and Recovery, and Component 4.3, Project Management, Monitoring and Evaluation. The general aim of TERRP is to provide access to municipal and health services as well as earthquake-resistant new rural housing in selected provinces affected by the February 2023 earthquake in Türkiye. The MoEUCC will be implementing the Project activities for Component 3; Rural Housing Reconstruction and Recovery, and Component 4.3; Project Management, Monitoring and Evaluation in close collaboration with the Disaster and Emergency Management Presidency (AFAD).

Under the scope of Component 3 Rural Housing Reconstruction and Improvement of TERRP, 96 houses in the Soğukpınar and Başdervişli neighbourhoods of Çağlayancerit and Dulkadiroğlu District, Kahramanmaraş province, will be constructed in the new settlement area. 164/24 and 164/42 parcels located in Soğukpınar Neighborhood (A/B) and 195/14 parcel in Başdervişli neighbourhood were identified as the sub-project area. it is planned to build 10 housing units in parcels 164/24 and 164/42, 86 housing units in parcel 195/14 a total of 96 housing units.

This Environmental and Social Management Plan (ESMP) is aimed at assessing and minimizing the potential negative environmental and social risks and impacts of the reconstruction of a total of 96 steel construction rural houses in this region. The destroyed or severely damaged houses and basic infrastructures in the selected neighbourhoods will be reconstructed in new settlement locations. Additionally, the measures to eliminate potential adverse environmental and social impacts during the projects, address health and safety measures details about stakeholder engagement activities, and the establishment of a Grievance Redress Mechanism (GRM) and outline the responsibilities of relevant parties within the project scope include in this Environmental and Social Management Plan.

2. THE RATIONALE OF THE ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

Following the Environmental and Social Management Framework (ESMF) of the TERRP, the Project Implementation Unit (PIU) under the MoEUCC General Directorate of Construction Affairs (GDCA) has completed the Environmental and Social (E&S) Screening, and the E&S Risk Rating was evaluated as "Moderate" based on the anticipated E&S risks and impacts. Referring to the ESMF, based on the E&S screening and subsequent assessment, a subproject-based ESMP needed to be customized for the subproject namely Kahramanmaraş Soğukpınar and Başdervişli Rural Housing Project.

Koltek Consulting Company under its assignment "Consultancy Services for Design Review and Reconstruction Supervision of Rural Housing" with the name of the supervision consultant took the responsibility to customize the ESMP for the subproject. In the course of the customization, Koltek visited the subproject site in 2024 having meetings with the contractor and Soğukpınar neighborhood mukhtar in order for an effective generation of the ESMP. Koltek has also used the ESMP format given in the ESMF Annex 4 as guidance.
It is the Contractor's responsibility to review, revise, and update the ESMP per its planning and decisions. This ESMP provides site-specific measures whereas developed limited to the available information and planning of the Contractor. In the course of the planning and construction, there could be revisions in the methods of the construction due to feasibility and technical concerns. In such changes in the Contractor's way of construction, the ESMP shall be reviewed and revised by the Contractor and then submitted to Koltek for review. The Waste Management Plan, Pollution Prevention Plan, OHS Plan, Community Health and Safety and Traffic Management Plan, etc., will be prepared also by the Contractor and submitted to the PIU for approval by Koltek after including their review. The Contractor shall take due care to reflect the site conditions to the ESMP and is required to be proactive in its planning and reflecting the revisions into this ESMP. The Contractor shall not start construction until all documents are approved by the PIU.

3. LEGAL AND INSTITUTIONAL FRAMEWORK

The legal and institutional framework for TERRP is comprehensively presented under Section 3 of the TERRP's ESMF. ESMF Section 3 indicates the legal framework of Türkiye followed by a brief explanation of the national environmental and social assessment regulatory process including permitting and defining gaps between the WB Environmental and Social Standards (ESS) and legislative requirements.

While developing the ESMP, both the ESSs and the legislative framework concerning the subproject-related activities are considered, and feasible and effective measures are recorded.

The ESMF for the Project (both English and Turkish) can be found at the following website:

English
https://webdosya.csb.gov.tr/db/kadiyap_en/menu

Turkish
https://webdosya.csb.gov.tr/db/kadiyap/menu

4. PROJECT DESCRIPTION

The reconstruction of destroyed and heavily damaged houses in Soğukpınar (A-B) and Başdervişli Neighbourhoods of Kahramanmaraş's Çağlayancerit and Dulkadiroğlu Districts respectively will be rebuilt in the newly determined settlement area, a total of 96 rural houses are planned to be constructed within the scope of this part of the TERR Project. Besides, within the scope of the project, it is planned to build roads and pavements, install street lighting, establish a water network, and sewerage infrastructure, and build impermeable septic tanks.

Soğukpınar-A will be constacted on parcel 164/24, treasury land having a total of 6,852 m^2 area and the total to be used within the scope of the sub-project

Soğukpınar Neighbourhood parcel 164/42, forestry land having a total of 97.294,48 m^2 area and approximately 7,246 m^2 (7,45 % of the allocated land) to be used within the scope of the sub-project.

Dulkadiroğlu District, Başdervişli Neighbourhood parcel 195/14, forestry land having a total of 210,067 m^2 area and approximately 90,311 m^2 (43% of the allocated land) to be used within the scope of the sub-project.

The satellite images of the locations are given in Figure 1, Figure 2, and Figure 3 and site photographs in Annex 2. Site Photographs.

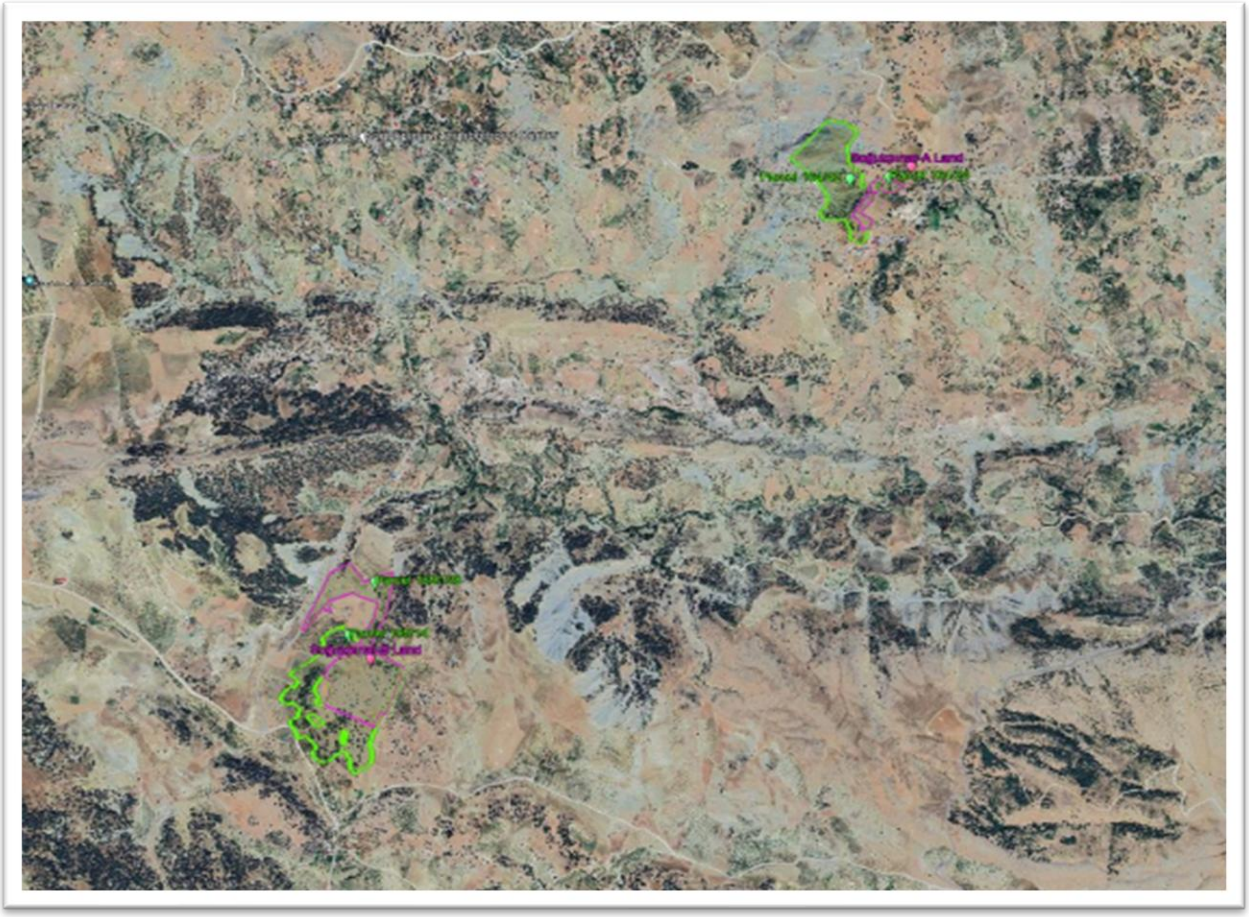

Figure 1: Satellite image of Soğukpınar A-B and Başdervişli parsels

Figure 2: Satellite Image for Soğukpınar A and B

Figure 3: Satellite Image for Başdervişli (195/14)

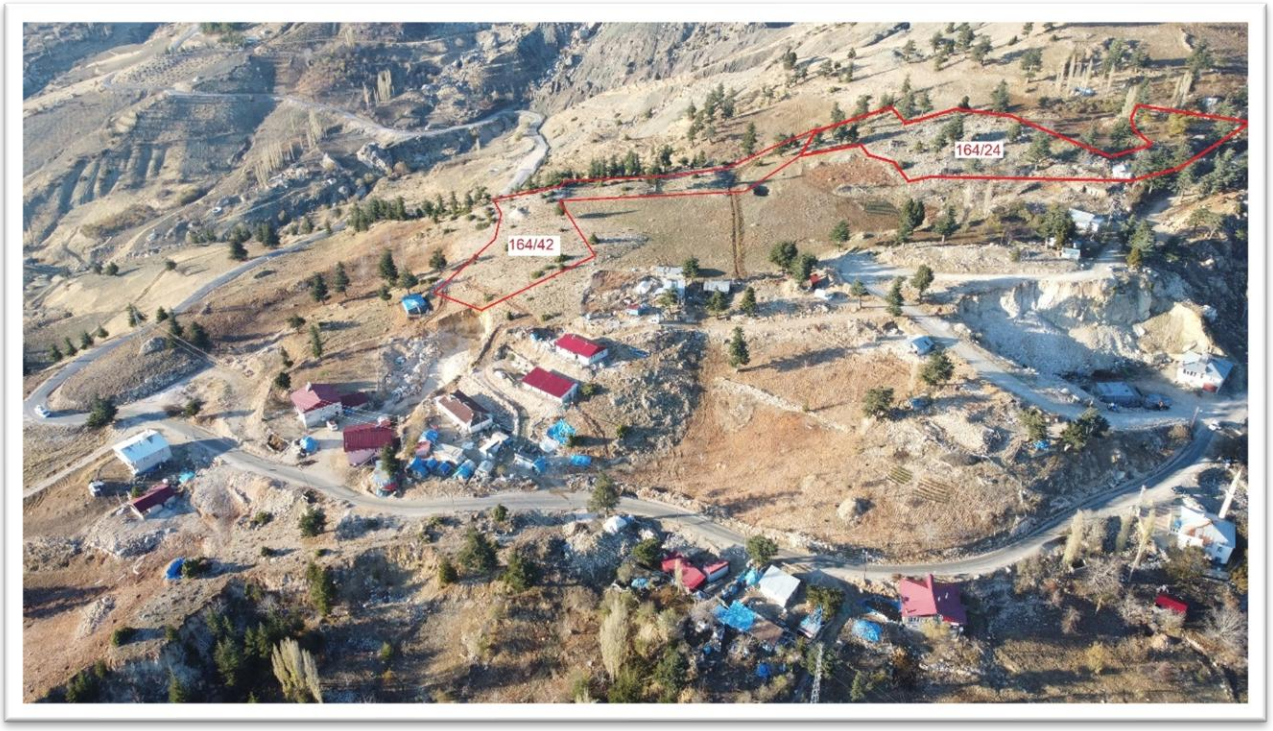

Figure 4: Soğukpınar A (164/24) and Soğukpınar B (164/42) Parcels

Figure 5: Başdervişli Parcel 195/14

4.1 Project Characteristics

The features regarding the houses to be constructed and the awarded Contractor are listed as follows:

- The rural houses to be constructed will be 213.245,54 m2. The rural houses will be steel with 3 bedrooms with a 14,04 m2 veranda.The duration of construction is 180 days.
- Settlement plans for each new location have been approved by MoEUCC; however, they might be revised, if deemed necessary.
- There will not be any construction of a concrete plant within the scope of the Project. The concrete needed for the construction of the rural houses will be procured from the nearest licensed facility.
- Wastewater will be collected in the impermeable septic tanks in both the work site and resettlement area.

4.2 Environmental and Social Baseline

The current environmental and social baseline conditions of the Soğukpınar ve Başdervişli Neighbourhoods and the new location are summarized in **Hata! Başvuru kaynağı bulunamadı.**below. Here, the location of the neighborhood and the transportation conditions to the new settlement area are explained in more detail:

Environmental and social baseline for the subproject area where Soğukpınar -A Rural houses will be constracted: There are scattered settlements in the south of the subproject area. An asphalt road connecting to Soğukpınar neighborhood and the construction area passes between these settlements.

It was determined that there was no informal agricultural activity in the construction area and it was not used as pasture. However, it was observed that in the southern part (approximately 200 meters away from the construction site), a family whose house was damaged by the earthquake built a house with their own sources and another family was living in a tent. Furthermore, it has been determined that there are three earthquake survivor families living in a abondaned school building near the construction area. In order to mitigate the negative impacts on these families, the layout plan has been revised so that construction will be carried out in a more remote area.

Since construction vehicles will use the western side to reach the subproject site, the villagers living here will not need to move their living spaces. Asphalt road is used for transportation purposes. The subproject area is a forest area, with juniper trees and shrubs.

Within the scope of the subproject, rural housing construction is planned.

There is no sewer line in the village, septic tanks are used.

Domestic waste is transported to the waste site in Çağlayancerit by waste transport vehicles 3-4 days a week.

The forest appearance is generally dominant in the area where the residences and transportation roads will be built. Although it is a forest area, the areas where the houses will be built were chosen as areas without trees. There are stony and rocky terrains in the locations.

Environmental and social baseline for the area where the Soğukpınar-B and Başdervişli Rural Housing sub-project is;

The subproject area is accessed via an asphalt road. This is also a forest area.

Although there is no nearby settlement likely to be affected by construction activities, it has been determined that

there is a house used as a summer house approximately 300-400 meters away. Mukhtar informed us that there is no agricultural or pasture use in the sub-project area.

The distance from the residential area, to be built, to the asphalt road is approximately 250-300 m. There is a stream on the other side of the asphalt road. The distance of the houses to be built to the stream is approximately 500 m.

Currently, there is no power line as there is no village next to the area where the residential construction will be built, but there is a power line 1 km away. There is a pond 1-1.5 km away from the field. There is no sewer line, drinking or potable water line on the site.

The domestic waste is transported to the waste site in Çağlayancerit by waste transport vehicles 3-4 days a week.

The forest appearance is generally dominant in the area where the residences and transportation roads will be built. Although it is a forest area, the areas where the houses will be built were chosen as areas without trees. There are stony and rocky terrains in the locations. However, it has been determined that there is a planted woodland at the southeast end of the part of the land where housing is planned. However, while preparing the site plan, the layout of the houses have been designed in a way that will not harm this wooded area. The construction phase is expected to commence 8 months after the planning/preparation phase. The awarded contractor will perform land preparation and construction activities.

The construction phase is anticipated as follows:

a. Mobilization
b. Grading for roads and road construction within the sub-project area
c. Site inspections for geological assessment
d. Grading and construction of houses and other units

This ESMP has been developed to encompass all environmental and social measures required during all sub-project activities.In case subcontractors are utilized by the contractor (for construction, concrete plant, catering services, security, etc.), it is the responsibility of the contractor to ensure that subcontractors operate in compliance with this ESMP, national regulations, World Bank ESSs, and World Bank Group General Environmental, Health, and Safety Guidelines. The contractor is obligated to monitor, report, record, and oversee subcontractors' work for quality performance.

Table 1: Environmental and Social Baseline (Soğukpinar A)

E&S Aspects	Soğukpınar A
Distance to the village/neighborhood center	2 km
Public facilities near (<0.5 km)	N/A
Close dwellings	Dwellings and barns
Other features	Outside the selected area, there are barns, while within the area there are vineyards and dry farming lands.
Sensitive Receptors	Families living in the near vicinity of the construction site
Land cover	There are stony and rocky terrains besides aprox. 150 trees
Ownership	Ownership belongs to the State (Treasury)
Presence of trees / Flora - Fauna	There are trees on the parcel, but the rural houses will be built on the part of this land without trees.

E&S Aspects	Soğukpınar A
Presence of vulnerable/disadvantaged persons	There are children in the close dwellings.
Sexual Exploitation and Abuse / Sexual Harassment (SEA/SH) Risk (to be expected)	Yes, it is expected that some external labor will be hired for the sub-project site; therefore, there are some risks.

Table 2: Environmental and Social Baseline (Soğukpinar B)

E&S Aspects	Soğukpınar B-Başdervişli
Distance to the village/neighborhood center	4,6 km
Public facilities near (<0.5 km)	N/A
Close dwellings	There is no close dwelling except a summer house 350 meter away.
Other features	There is a stream 500 m. away from the selected area
Sensitive Receptors	There is a summer house
Land cover	There are stony and rocky terrains with trees.
Ownership	Ownership belongs to the State (Treasury)
Presence of trees / Flora - Fauna	There are approx.. 150 trees on the parcel, but the rural houses will be built on the part of this land without trees.
Presence of vulnerable/disadvantaged persons	N/A
Sexual Exploitation and Abuse / Sexual Harassment (SEA/SH) Risk (to be expected)	Since there is no settlement or residence close to the parcel, no risk has been identified.

5. INFORMATION ACTIVITIES AND PUBLIC PARTICIPATION FOR ESMP

Çağlayancerit District, Söğulpınar neighborhood stakeholder engagement meeting was held on October 01, 2024 at the old school building in the neighborhood (Annex 5 **Photographs of Stakeholder Participation Meeting**Photograph 5, Photograph 6). Although the meeting was intended to be held before the rural housing construction of the sub-project began, it was decided to build the remaining 5 houses on the 195/14 parcel after it was understood that the 15 houses planned to be built on parcels 164/42 and 164/24 would not fit into the area and only 10 houses could be built, and the layout plans for this parcel were redesigned. In order to provide accurate and final information to the rights holders, it was deemed appropriate by the Koltek Consulting and the PUB not to hold a stakeholder participation meeting until the situation is clarified. However, during this process, housing production was also initiated in order to take advantage of the favorable seasonal conditions and not to delay the delivery, and thus a significant progress was made.
After the meeting date was determined, the ESMP prepared for this sub-project was presented to the public as a hard copy in the muhtar's office and in front of the grocery store where the complaint box was located, starting from 20.09.2024 (Annex 3. **Project Disclosure**Photograph 4, Photograph 5 5). The meeting was announced by the muhtar at the neighborhood mosque and through face-to-face meetings. 54 people attended the meeting. Although some of the participants were not beneficiaries, they attended the meeting to learn about the construction process of earthquake housing and to do so. Even though an effective announcement was made before the meeting and repeated just before the meeting started; female stakeholders participation was limited to 2 people. The participants explained this as the fact that women have jobs, their homes are far from the meeting venue, and women avoid coming together with men in such meetings according to general habits.

The meeting was attended by the MoEUCC PUB social expert, the social, environmental and OHS experts of the Koltek Consulting, the mechanical engineer and the assistant project manager. The control manager, civil engineer, OHS expert from the field team of Koltek, as well as the construction site manager of the contractor firm also attended the meeting. The meeting started with the introduction of the project by the MoEUCC social expert. The power point presentation (Annex 4 Stakeholder Participation Meeting Presentation Document prepared specifically for the sub-project was made by the social, environmental and OHS experts of Koltek. In the presentation; the social and environmental impacts of the project and mitigation measures, project documents, management plans, grievance redress mechanism and communication channels were explained. The brochures prepared for the sub-project were distributed to the participants and the poster was places on the complaint box (Annex 6 Project Disclosure Materials).

At the end of the meeting, 30 people responded to the participant satisfaction survey. The survey results will be analyzed and reported and submitted to the PUB as a separate document.After the presentation, participants were asked if they had any questions and the questions were answered by the experts. The questions and answers are presented in the table below.

Table 3: Questions Posed and Answers in the Stakeholder Engagement Meeting

Querist	Respondent	Question Raised	Answer Given
Village Resident	Koltek (Social Expert)	"I had 150 animals, I could neither get a barn for them nor a tent. I applied to the district governor's office and AFAD, but I could not get anything."	"We do not have any information on these issues, but you can perhaps get guidance on what to do from the contact numbers we have given you."
Village Resident	Koltek (Chief of Field Control))	"If there are any vacant houses left after the houses are finished, do we have a chance to buy a house?"	"If there are houses left empty after the right holders move, you can apply to the Provincial Directorate of Environment. When your situation is evaluated and found suitable, you can

			buy a house."
Village Resident	Contructor (Chief of Site)	"When will the houses be completed?"	"If the weather conditions are suitable, we aim to complete them in 1.5-2 months. Right now, the doors, laminate and painting of the houses are being done."
Village Resident	Koltek (Social Expert)	"What will happen to our animals when we move into our homes? A barn is not built with the house"	"I don't know how to bring a solution to this as no barn place was planned within the scope of the project. Maybe the Provincial Directorate of Environment can come up with a solution later. You can submit your complaint through the grievance redress mechanism."

6. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

The table below represents the customized Environmental and Social Management Plan (ESMP), outlining the necessary measures for the Construction Contractor to adhere to during the sub-project activities. This plan encompasses anticipated environmental and social risks and effects specific to the sub-project, along with recommended mitigation measures. It details the stages where these risks/effects are expected to occur, indicators within the monitoring system, frequency, responsibilities, and estimated costs. This ESMP comprehensively defines the strategies to address these risks/effects throughout the project timeline.

The implementation of the specified measures, the Contractor's execution system, the Contractor's organizational structure, site-specific E&S management plans, their effectiveness, and the monitoring plan to be implemented by the Contractor will be monitored by Koltek. The Contractor will be subject to oversight to establish an effective system for managing and monitoring E&S matters related to sub-project activities.

Table 4: Environmental and Social Management Plan

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
General for All Construction Works										
Environmental and Social (E&S) Management: Inadequate management of the environmental and social risks and impacts of the subproject	The Contractor's Environmental and Social Management Plan (C-ESMP) is prepared, submitted for approval, and then implemented. C-ESMP will be submitted before the commencement of construction works, and no construction activity will take place within the scope of the sub-project until the C-ESMP is approved. The C-ESMP will include, at least the following site-specific management plans: • Occupational Health and Safety (OHS) Plan including risk assessment and emergency response plan (Refer to the draft in TERRP ESMF Annex-10) • Community Health and Safety and Traffic Management (Refer to the outlines in TERRP ESMF Annex-11) • Hazardous Material Management Plan • Waste Management Plan (Refer to TERRP ESMF Annex-8) • Incident Reporting Procedures (Refer to TERRP ESMF Annex-9), if required • Pollution Prevention Plan (Refer to the outlines in TERRP ESMF Annex-12) • Water Supply and Wastewater Management Plan • Labour Management Plan (LMP) (To be prepared in accordance with TERRP's LMP) • Grievance Redress Mechanism (GRM)	X	X		All site-specific management plans are approved prior to construction and implemented throughout the construction period.		X		Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction
	At least a full-time A/B class OHS specialist and a full-time environmental specialist are employed before starting construction work. The contractor is obliged to obtain approval by submitting CVs of specialists. It is imperative that these specialists are present on-site during the construction period.	X	X		Relevant E&S personnel are provided and maintained throughout the		X		Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
					construction period.					
	A training program is prepared and all employees are trained on the main environmental, social, health, and safety (ESSG) risks and workers' responsibilities associated with such construction works before they start working on site. The training program is repeated monthly. The Contractor's monthly training program also covers issues related to the Code of Conduct, such as sexual harassment, sexual and/or gender-based violence, especially against women and children, and respectful attitude in interacting with the local community.	X	X		Environmental and social training program is approved and implemented according to schedule and documented. GBVH training program is implemented and documented		X		Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction
	All necessary permits (Land Use Permit, Waste Disposal Permit / Protocol from the Municipality, Environmental Permit, Water Use Permit from the State Water Works, Electricity Connection and Use Permit, etc.) will be obtained and the installation of facilities will be ensured prior to construction.	X			Permissions	X			Consultant (audit) Contractor (implementation) Supervision)	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase.		Continuous	Monthly	Quarterly		
Air quality: Dust generation around the sub-project site due to construction activities and emissions from construction equipment and vehicles	During the dry season, dust in exposed work areas will be minimized by regularly spraying the ground with water. Construction debris will be kept in a controlled area and sprayed with water to reduce dust. The surrounding environment such as roads, etc. will be kept free of debris to minimize dust. Aggregate materials will be kept covered to prevent fine soil particles from being suspended or dispersed in the air as a result of wind blowing or dispersing by stray animals. In the case of pneumatic drilling during excavation, the dust will be suppressed by continuous water spraying and/or construction dust curtain housings on site if required. Its paths will be cleared of excavation to minimize dust. Tatlar (Yeni) parcel 146/206 the region where the rural houses are to be built is a region with strong winds. Due to its geographical location and structure, there are 3-4 times a year when this occurs. During the construction phase, if there is a wind problem in this region, irrigation will be done with a watering vehicle at least 3-4 times a day to prevent dust and sedimentation formation. Where stabilized roads are used, they will be reinforced with a stabilizing layer where necessary. Open burning of construction/waste materials on site will be avoided. The operating hours of generators/machines/equipment/vehicles will be appropriately reduced. The traffic routes to be used in the Traffic Management Plan are shown and drivers and operators will be trained accordingly. Vehicles shall not be loaded beyond their capacity. Vehicles will be kept within the area. New and well-maintained vehicles will be used to control gas		**X**		Visual inspection of air quality control measures Records of maintenance Records of complaints	X			Contractor (implementatio) Supervision Consultant (audit)	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
	emissions that will occur within the scope of the activity. All vehicles and all work machines to be used will have exhaust emission permits and all vehicles will be regularly maintained or inspected. Unnecessary use of machinery and equipment that causes emissions is prevented. Trucks carrying materials will be covered to reduce dust emissions. When passing through public areas is unavoidable, vehicle speed will be kept under control to minimize dust distribution resulting from vehicle transportation. While the speed limit in the project area is 30 km/h, it will be 50 km/h in the city. Tires of trucks operating in the construction site will be washed before leaving the area (street). In case of grievances about dust formation from nearby devices, 24-hour dust measurements are performed by an authorized laboratory. If the measured levels are above limit values, mitigating measures will be developed in this context; For example, wetting/irrigation activities are increased, non-toxic chemicals will be applied, and the speed of vehicles will be controlled. In case of grievances about dust formation from nearby devices, 24-hour dust measurements wiil be performed by an authorized laboratory. If the measured levels are above limit values, mitigating measures are developed in this context; For example, wetting/irrigation activities will be increased, non-toxic chemicals will be applied, and the speed of vehicles is controlled.									

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
Noise: Noise generation from construction vehicles and equipment	Construction will be limited to certain deadlines defined in national legislation, and activities will be planned in consultation with nearby communities. Thus, the noisiest activities will be carried out during periods that cause the least disturbance. During operation, the engine covers of generators, air compressors and other electrical-mechanical equipment will be closed. Equipment will be placed as far away from residential/community areas as possible. Maintenance procedures ensure that all equipment and machinery are in good working order, and acoustic enclosures will be placed around generators to reduce noise levels. Noise control methods such as fences, barriers or deflectors (such as muffling devices for combustion engines or planting fast-growing trees) will be used when possible. Unnecessary use of alarms, horns and sirens will be avoided. Project-related transportation through public areas will be minimized. In order to reduce the impact of noise on plot Soğukpınar Neighbourhood parcel 164/24, on living spaces, within the scope of the sub-project a natural buffer zone (such as open areas, tree rows or vegetation) will be is maintained between the project area and residential areas. On the plot Başdervişli Neighbourhood parcel 195/14, there is no settlement near the project area. And yet within the scope of the sub-project a natural buffer zone (such as open areas, tree rows or vegetation) is maintained between the project area and residential area. In order to reduce the impact of noise on living spaces, a buffer zone (such as open areas, tree rows, or vegetation) is maintained between the project area and residential areas. In cases where traffic needs to be limited in residential areas at		X		Visual inspection of noise control measures Equipment and machinery maintenance records Complaint records Measurement results	X			Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
	night; Traffic flow is ensured only through designated routes, and in case of night work, the necessary permits are ensured. All employees wiil bee trained to follow precautions and best practices. In case of complaints about noise from the nearest receptors, noise measurements wiil be made by the authorized laboratory. If the measured levels are above the limit values, mitigation measures will be developed in this context; For example, acoustic barriers will be installed for mechanical equipment, working hours will be limited for certain pieces of equipment or operations, etc.									
Occupational Health and Safety: OHS-related risks arising from unsafe practices and hazards such as working at height, rotating and moving equipment, electrical safety, working with hazardous substances, etc.	When planning activities, the following steps will be considered with OHS specialist to avoid people getting injured: the hazards associated with construction activities and how they can be avoided, The skills of the personnel involved and their suitability to carry out the work adequately, the use of work equipment and machinery and their adequacy to eliminate the risks associated with the work, electrical safety will be taken into account by evaluating other risks High-risk activities will be avoided as much as possible, and the control hierarchy method will be used for identified risks. A proper risk assessment is prepared before construction work begins and appropriate measures will be provided to avoid risk and, if avoidance is not possible, adequate measures to minimize risk. An OHS Plan will be developed that reflects the risk assessment inputs and outputs, including the Root Cause Analysis, and the risk assessment tracking systems developed.	X			Meeting minutes Risk assessme nt		X		Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction
	Appropriate signage will be placed at construction sites to inform workers of the ground rules and regulations they must follow.									

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
	A short weekly Toolbox talk will be given to the construction workers by the contractor's OHS specialist about the ESSG risks associated with the construction activity to be carried out.		X		Visual inspection of control measures Training records OHS records Employee records Incident/accident statistics and records Records of workers' complaints	X			Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction
	A safe working environment will be provided for workers.									
	Personal protective equipment (PPE) (hard hats, gloves, dust masks, goggles, full body safety harnesses and safety boots, etc.) in accordance with international best practices and Turkish Legislation will be provided before construction activities.									
	All activities will be carried out in accordance with the Occupational Health and Safety Law (Official Gazette dated 30 June 2012 and numbered 28339) and related regulations, as well as the World Bank Group EHS Guidelines.									
	Any serious incidents that may have significant adverse effects on the environment, affected communities, the public or workers will be immediately reported to the MoEUCC PIU (through supervisory consultants). The MoEUCC then reports any serious incident to the WB within 48 hours, and an incident investigation report will be sent to the WB within 30 days, along with a root cause analysis and corrective action plan.									
	The work site will be kept clean and free of unnecessary material on a daily basis. A first aid kit with bandages, antibiotic creams, etc., or medical facilities will be provided.									
	Safety guidelines for the storage, handling, and distribution of hazardous materials will be followed to minimize the possibility of misuse, spillage, and accidental exposure to people. A defined hazardous material storage area will be created, which has a ventilation arrangement, where there is a collection channel with a closed and spilled well for the collection of spilled material, where									

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
	all materials will be stored according to the requirements in the safety data sheets.									
	Corrosive liquids and other toxic materials will be stored in properly sealed containers for collection and disposal in properly secured areas. It will be ensured that the structural openings are adequately sealed/protected. Loose or light materials stored on roofs or open floors will be fixed. Hoses, power cords, welding cables, etc., will be prevented from being found in heavily used walkways or areas. During heavy rains or any emergency, all work will be suspended. The following precautions will be applied in constructions that require working at height: ▪ Work will be done from as many workplaces as possible. ▪ Individuals with the following personal risks will not permitted to work at heights: vision/balance issues; certain chronic diseases like osteoporosis, diabetes, arthritis, or Parkinson's; individuals taking specific medications such as sleeping pills, tranquilizers, blood pressure medications, or antidepressants; those who will be experienced recent falls or similar incidents within the last 12 months. ▪ Only individuals with adequate skills, knowledge, and experience will be allowed to perform the task. ▪ The safety of the location where work at heights will be conducted (e.g., a roof) is checked for its safety. ▪ Precautions will be taken when working on or near fragile surfaces. ▪ Safety measures against falls, such as safety belts and simple scaffolding/railing, will be provided for work at heights. Oil, grease, paint and dirt will be immediately removed to prevent									

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
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	slipping. Trained operators will be employed to operate special vehicles such as forklifts safely, including safe loading and unloading. Moving equipment with limited rear visibility is equipped with audible backup alarms. Flaggers will be provided to each moving equipment operator to guide the movement of equipment. Before construction activities, all open electrical appliances and lines will be marked with warning signs. All electrical cords, cables and power tools will be checked for frayed or unwound cords and the manufacturer's recommendations will be followed for the maximum permissible operating voltage of portable tools. There will be a leakage current relay in electrical panels. Incidents, including near misses (major incidents including fatalities, lost-time incidents, spills, fires, etc.) and trainings are recorded. Necessary precautions will be taken against the occurrence of fire and a sufficient number of firefighting equipment will be provided for the office, camp area and site.									
Health and safety: Community health and safety risks associated with construction activities, including traffic and road-related risks (such as risks to the population due to inadequate construction and traffic management) arising from increased traffic volumes and the movement of heavy vehicles	Since the subproject is a construction project, people living around the construction area, people living in the existing residential area (due to the material transportation), the agricultural lands and the farmers in the surroundings and within the project area and domestic animals around the transportation roads can be considered the sensitive receptors. The mitigation measures to be taken in the Community Health, Safety and Traffic Management Plan including the Traffic Management Plan will be determined respecting these sensitive receptors. To prevent public access to the construction site, it will be surrounded by a fence. Material stocks/storage areas will be kept away from the public and surrounding living areas.		X		Visual inspection of control measures Traffic accident records Complaint records	X			Contractor (implementation) Supervision Consultant (audit) PIU	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
	Children are kept away from the construction area. It will be ensured by security guards, fences around the site and warning signs. The route of construction vehicles will be arranged in a way that does not prevent public access to agricultural lands and gardens located near or adjacent to the construction site, and security measures are taken. All earthen waste pits are filled after construction will be completed to prevent stagnant water, waterborne diseases and possible drowning. The driving speed of vehicles will be controlled, especially when passing through public places, nearby schools, health centers or other sensitive areas. If there are school children nearby, traffic safety personnel will be assigned to direct traffic during school hours, if necessary. During the night, the sub-project area is illuminated. The construction site and its surroundings will be kept clean. It will be ensured that broken windows are cleaned immediately to prevent fire. Safety guidelines for transporting hazardous materials to the site will be followed, aiming to minimize the potential for spills and accidental exposure of people due to traffic accidents. All drivers undergo safety and environmental and social awareness training; driving performance will be assessed and monitored with additional training provided if necessary. Driver training includes advice on behaviours to reduce the potential for disturbance, including the use of horns, loud radios with windows open, switching engines off when not in use, strictly observing speed limits and not accelerating or braking aggressively. A telephone number where the public can complain is displayed on the contractors' work vehicles.									

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	It is ensured that the daily life of the people living in the surrounding places of the construction site will be not affected, and transportation does not become difficult. In case of damage to the roads caused by vehicles passing through the settlement during material transportation, the Contractor undertakes to cover the damage the roads will be repaired immediately by the Contractor. Vehicles will be regularly maintained to minimize potential serious accidents due to equipment failure. In areas accessible to all stakeholders (including construction sites), information on issues related to labor flow and measures taken against infectious diseases that may occur after the disaster (e.g. COVID-19 virus) is made through appropriate communication tools (e.g. online/visual materials and verbally). In the event of the occurrence of any epidemic or pandemic/infectious disease, including COVID-19, the Ministry of Health, the Ministry of Family and Social Services, and the Ministry of Labour and Social Security will prepare the guidance and guidelines to will be prepared by the World Health Organization. Ensure that the construction site will be appropriately secured, and construction-related traffic will be appropriately regulated (including proper route planning). These measures will include, but are not limited to: • Direction signs, warnings, barriers, and traffic guidance: The site will be visible, and the public will be alerted to all potential hazards. • Specifically, traffic management systems and personnel training for site access and heavy traffic near the site. Ensuring safe crossings and passages for pedestrians in areas									

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	obstructed by construction traffic. • Adjusting working hours according to local traffic regulations, e.g., avoiding heavy transportation activities during peak hours or times of animal movement. • Traffic signs and measures will be designed and placed for vulnerable people sensitive (physically disabled, elderly, illiterate, women, children, students, etc.). They will be easily understandable and markable by the vulnerable. • Warning signs will be placed for domestic animals such as chickens, goats and sheep that may enter the roads while passing through residential areas.									
Land Acquisition and Resettlement: Involuntary land acquisition, including impacts on livelihoods, and relocation of community members (if necessary) to new settlement areas	Since there is no land subject to expropriation and/or easement rights for the sub-project, there is no need to prepare a Resettlement Action Plan (RAP). However, the Contractor will conduct its activities based on the Supervision Consultant's drawings. Considering that the Supervision Consultant is aware of land acquisition issues related to the sub-project, the design has been revised to prevent adverse impacts for the informel land users within and around the operational area. During construction activities, if any damage occurs to third-party assets, lands, crops, etc., the Contractor will compensate the damage according to WB ESS5 requirements, based on the "full replacement cost." Stakeholder categories, including sensitive groups, will be identified, and consultations will be held regarding the Project with these stakeholders. Project-level Stakeholder Engagement Plan (SEP) will be implemented. The Supervision Consultant has determined that there are walnut trees belonging to possible informal users on the land and subsistence agriculture is being carried out. This issue will be	X	X		Complaint records Survey Reports	X	X		Contractor (implementation) Supervision Consultant (audit) PIU	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
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	clarified at Stakeholder Engagement Meetings (SEM) and measures to mitigate livelihood impacts will be taken according to the World Bank's ESS5. Topsoil will be stripped and stored in designated areas. When storing topsoil, it should be stored at a maximum height of 3 m and the incline of slope should not exceed 30 degrees. The slope is lightly compressed with the work machine bucket. It is ensured that the area to be stored does not have a slope of more than 5%. Excavation and backfilling of the subsoil may be involved in land leveling and landscaping operations. There will be no storage of excavation-related excavation in the area, all of it will be used for backfilling for leveling. Entrances to neighboring lands outside the project area will be blocked, thus preventing any impact on neighboring parcels. During the construction, measures will be taken so as not to prevent land users entrance to their land. Measures will be taken to ensure that farmers engaged in agricultural activities near the construction site continue their activities and that livelihood impacts are prevented. These measures will also be permanent after the construction is completed. Measures will be taken not to prevent access to the lands of farmers and to mitigate possible dust and traffic impacts. It is ensured that excavation material is not mixed with topsoil.									
Water Quality and Wastewater: Water pollution in nearby surface waters due to wastewater/wastes generated in the construction area due to construction activities	To prevent sediment from moving outside the site and flowing into adjacent roads and lands, erosion, and sediment control are established using, for example, straw bales and/or silt fences. Efforts are made to minimize the storage or disposal of wastewater on-site. To prevent potential adverse effects on surface waters, temporary or		X		Visual inspection of control measures Septic tank wastewater disposal	X			Contractor (implementation) Supervision Consultant (audit) PIU	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
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	final waste disposal or discharge into or near surface waters is avoided. No polluted materials, solid waste, toxic or hazardous substances should be stored, poured, or disposed of in water bodies for dilution or disposal purposes. Construction vehicles and machinery (if applicable) are washed only in designated areas where it is determined that the rinse water will not contaminate natural surface waters. The wastewater generated on the construction site will be deposited in the septic tank that will be impervious, in accordance with "Regulation on Pit Opening Where Sewer System Construction is not Applicable" published in Official Gazette No: 13783 dated 19.03.1971. Temporary toilets with septic tanks can also be used for this purpose. Septic tank wastewater is periodically removed by vacuum trucks and disposed of in accordance with a protocol established with the relevant municipality that has a licensed wastewater treatment plant (WWTP). The protocol will be submitted to the PIU. For both sites, one or more septic tanks will be constructed to collect and treat domestic wastewater both during construction and in the reconstructed rural dwellings. Sewage will be discharged to the treatment plant. Throughout the project phases, records are kept regarding the extraction of domestic wastewater by sewage truck. Invoices/receipts for each transportation/disposal will be collected and archived. Efforts are made to ensure the availability of drinking and hygienic water is not affected due to sub-project activities. Natural water flow is not obstructed or diverted to prevent riverbeds				records (if applicable) Wastewater quality measurement records (if applicable) Complaint records					

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
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	from drying out or residential areas from being submerged. Necessary permits are obtained from authorized bodies for the use of any natural water source. Concrete works are not performed on waterways, and concrete mixtures are kept away from drainage leading to waterways.									
Soil and Groundwater Quality: Soil and groundwater contamination due to accidental spills and soil erosion as a result of improper waste management	For proper waste management, mitigation measures specified in the "Solid and Hazardous Waste" section below will be applied. The remaining concrete or syrup in concrete mixers will not be poured onto the construction site, its surroundings or access roads of the construction sites. Drivers and operators will be trained accordingly. Hazardous materials, including chemicals, will be collected and secured in a designated storage area to prevent spillage and overturning. The lids of containers containing semi-used chemicals shall be kept closed when not in use.Intervention methods for spillage will be implemented to limit the exposed area in case of any spillage of hazardous substances or hazardous waste. Project employees will be trained in spill response measures. Appropriate spill kits will be placed in suitable locations on the construction site. Construction will be appropriately planned during the dry season. The length and steepness of slopes will be limited and minimized. Upon completion of work, reclamation areas will be covered with topsoil and promptly re-vegetated with fast-growing plants (grass, shrubs, and trees). Topsoil up to a depth of 10 cm will be stripped and stored for reclamation works in permitted areas such as parking lots, and social facility areas within the sub-project site until construction is		X		Visual inspection of control measures Incident records Topsoil stripping records Official correspondence with the municipality Training Records Complaint records	X			Contractor (implementatio) Supervision Consultant (audit)	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
	completed. It will be stockpiled in a herringbone pattern up to a maximum height of 2 meters and lightly compacted at the edges to prevent rainwater ingress. Ditches will be created around stockpile heaps to collect surface runoff and discharge it to the environment. Excess excavation materials, if any, will be stored in designated areas within the permitted area of the sub-project site and transported to land approved by the Municipality. Written permission is obtained from the Municipality for the transportation of excess excavation materials. The personnel and those concerned will be warned that it is forbidden to dump the domestic solid wastes that will be generated within the scope of the activity in question into underground and surface waters, lakes and streams, similar receiving environments, streets, roads and open areas, and the necessary trainings will be provided.									
Solid and Hazardous Wastes: EHS risks due to improper management of waste from construction activities (construction demolition waste, hazardous waste, biodegradable waste, recyclable waste, non-hazardous waste, etc.)	Wastes will be managed in accordance with the waste management hierarchy (prevent, reduce, reuse, recycle, recover, dispose), and personnel will be trained in waste management. Wastes will be separated as recyclable, hazardous, and non-hazardous waste. General construction waste, organic, liquid, and chemical wastes will be segregated on-site and stored in appropriate containers. Non-hazardous wastes, inert and biologically degradable wastes, and recyclable wastes must be collected separately, ensuring that hazardous wastes are not mixed with other waste types. Wastes will be disposed of at licensed disposal sites/facilities (excavation waste storage areas, landfill sites, recycling/recovery facilities, etc.). Disposal of waste will be recorded in a tracking schedule and permits/licenses of disposal facilities will be obtained. A temporary waste storage area, equipped with a suitable drainage system, appropriate spill kits, and firefighting equipment, will be established on impermeable ground, and covered with a roof within		X		Visual inspection of control measures Waste production and disposal records Training records Complaint records	X			Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
	the construction area. Wastes will be temporarily stored in separate compartments (labelled with waste codes) to prevent them from reacting with each other. Hazardous wastes will be stored in the temporary waste storage area for a maximum of six (6) months, while non-hazardous wastes will be stored for a maximum of one year. If a thousand kilograms or more of hazardous waste is produced monthly, a temporary storage permit must be obtained from the Provincial Directorate of Environment and Urbanization. Excavation materials will be utilized for backfilling and recovery purposes wherever possible, and other suitable reuse options will be evaluated. Licensed transport vehicles to licensed excavation waste storage areas determined by the district/region's relevant authorities will separately transport excess excavation waste. The respective municipality under the established protocol will collect household solid wastes. Hazardous wastes will be transferred to licensed waste disposal facilities via licensed waste transport companies, while recyclable wastes will be transferred to the relevant licensed recycling/recovery facilities. All protocols will be submitted to the PIU Personnel are assigned for spill response; these personnel will be trained and ensure that they are ready for immediate intervention in case of leakage. In order to provide timely and adequate intervention, leakage and spill response equipment will be kept ready and this equipment is ensured to be available for immediate intervention in the work area with all kinds of chemicals. If necessary, absorbent pads or materials will be used on storage floors. Absorbent pads or materials will be kept ready in chemical material storage areas, waste storage areas, and fields for immediate use when necessary. For domestic and recyclable waste; separate waste containers will be provided (leak-proof garbage containers for domestic solid waste,									

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
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	waste bins for packaging waste, and containers according to the type of recyclable waste in the temporary waste storage area). The type of waste to be collected in the waste bins will be written on the bins. Employees will be trained on the management of non-hazardous waste management and the use of separate waste containers. If waste batteries are generated within the scope of the activity in question, they will be collected in the waste battery collection box in the administrative offices of the project area, separately from other wastes, and delivered to collection points established by businesses or municipalities that distribute Within the scope of the work, maintenance and tire changes of the vehicles will be carried out by the relevant services, but in the case of end-of-life tires in the field of activity, they will be first collected temporarily in the temporary waste storage area to be created and then delivered to licensed companies. Scrap wastes (scrap metals, glass shards, wood pieces, etc.) will be temporarily stored under cover on a solid, leak-proof, safe floor and disposed of by giving them to companies that have an environmental license. Excavation waste will be used for backfill and recycling purposes as much as possible and other appropriate reuse options will be evaluated. Excess excavation waste will be transported and disposed of separately by licensed transportation vehicles to the existing licensed excavation waste storage area(s) determined by the relevant official authorities in the district/region. Temporary waste areas on-site (including excavated soil for foundations) will be placed at least 300 meters away from the stream that passes through the Tatlar Neighbourhood. For fuel replenishment and transfer of other hazardous liquids, safe									

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
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	and impermeable areas ideally located away from residential areas (at least 50 meters from drainage structures and 100 meters from major water bodies) will be used. After the closure of each construction site, all excavation, debris, and waste will be cleared. Records of waste generation and disposal will be maintained. Whenever possible, appropriate and feasible materials will be reused and recycled. Waste Oils will be collected separately at the source, in barrels marked "waste oil" and on a sealed floor (in a hazardous waste storage area). In case waste vegetable oil will be generated within the scope of the project, waste vegetable oils will be temporarily stored in drums/barrels/tanks marked "waste vegetable oil" in an area with a 25 cm thick sealed reinforced concrete floor. Leak pans will be placed under the barrels. It cannot be mixed with foreign substances. An annual contract will be made with environmentally licensed recovery facilities or vegetable waste oil intermediate storage facilities to collect the oils in question, a waste declaration form will be filled and approved, and a copy is kept for five years to be submitted to the authorities when necessary. It will be sent to the facilities by licensed vehicles.									
Stakeholder Engagement and Grievance Mechanism: Construction-related complaints and temporary disruptions to the local community, including applicable property owners	The Stakeholder Engagement Plan (SEP) framework prepared by the Ministry of Environment, Urbanism and Climate Change (MoEUCC) in accordance with the World Bank Performance Standards will begin to be implemented before the construction activities of the sub-project are initiated. This procedure will continue during the construction activities. Depending on the project activities, the plan will be revised if necessary. SEP describes the activities focus on establishing effective communication with individuals who may be affected by the		X		Records of disclosed information, SEP, documents/ brochures etc. Meeting minutes, attendance		X		PIU Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
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	contractor and consultant's work. It also highlighted the importance of maintaining respect for the local environment and community by implementing a program for regular communication within the scope of the SEP. Before the start of the sub-project, a meeting will be held with the stakeholders of the Soğukpınar Neighbourhood who will benefit and/or be affected by the project. Information about the project including the Grievance Redress Mechanism will be disclosed and posters, brochures, and flyers prepared by the Supervision Consultant will be distributed. At the meeting, people who will be affected by the project will be allowed to express their questions, concerns, and opinions, and their questions will be answered by experts. The Contractor will appoint a contact person, Community Liaison Officer (CLO), to establish direct communication with the community, provide them with appropriate information, and be the first person to contact to receive and resolve issues of concern from the public. CLO will oversee the operation of the Grievance Redress Mechanism (GRM), ensuring that concerns are addressed in accordance with World Bank requirements. From the beginning to the end of the project, complaint boxes will be placed both at the construction site and in the living spaces where the project beneficiaries are currently located (tent and container cities, public buildings they frequently use, etc.). The GRM of the project will manage complaints through the use of "opening" and "closing" forms. The names, contact telephone numbers, and email addresses of all field personnel responsible for inspection and management will be displayed on the site notice board. After obtaining planning permission, official contact will be made				lists Stakeholder engagement log Complaints registry log Consultant's monitoring reports, Monthly E&S monitoring and audit reports of the Contractor					

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
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	with the neighborhood Mukhtar, who will then inform potential stakeholders affected by the construction of rural homes. This information will include details about relevant Environmental and Social Risk Management tools, as well as specific times that require sensitivity and attention. Outside working hours, site "Security Personnel" will serve as the main point of contact through the telephone number specified by the GRM, accessible 24/7. They will be able to reach the designated person(s) responsible for communication as needed. All employees will sign/agree to "Behaviour Rules" and receive training to manage potential adverse effects related to social cohesion and Sexual Exploitation and Abuse/Sexual Harassment (SEA/SH) risks. All complaints and demands will be documented, thoroughly investigated, and responded to promptly with details on the actions taken. The complaints will be recorded by the Contractor and reported to the Consultant and PUB. Public notice boards displaying the contact information of those responsible for communication, including environmental issues,									
Labour and Working Conditions: Risks associated with the potential influx of labour and the presence of labour camps (housing conditions, child labour risks, gender-based violence and harassment, human rights risks, etc.) and other labour issues	The contractor is developed a project labor management plan (LMP) and followed the measures outlined in this plan. This plan includes external workers including expected external labour and working conditions. Clear and understandable information and documents regarding employment terms and conditions, including all applicable collective agreements within the scope of national labor and employment law, are provided to workers. Regular payment to workers is made as required by national law and the project LMP. Workers are granted adequate weekly rest periods, annual leave, and		X		Visual inspection of control measures Health records Employee records	X	X		PIU Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
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	sick, maternity, and family leave as required by national law and the project LMP. Written notice about contract termination and severance pay details are sent to workers in a timely manner. Workers are employed based on the principles of equal opportunities and fair treatment, and no discrimination is made in any aspect of the employment relationship. Project employees, including specific worker groups such as women, persons with disabilities, migrant workers, and child laborers, are provided with appropriate protection and assistance measures in accordance with the World Bank's ESS2 under the Environmental and Social Framework (ESF). This process is carried out in line with the project LMP. Workers are allowed or encouraged to join labor unions, engage in collective bargaining, or participate in alternative mechanisms. No workers under the age of 18, the minimum age, are employed or engaged in discussions by the Contractor related to this sub-project. Employment records are open for inspection by the Client and/or the Consultant. Forced labor involving any work or service extracted from a person under threat of force or coercion, not voluntarily performed, is not used in connection with this sub-project. The Contractor establishes a Worker Grievance Mechanism (GM) at the construction site to allow workers to voice their concerns. Contact information for the GM is provided to workers. All workers are provided training on their rights under national labor and employment laws, as well as their rights concerning the GM during recruitment and before the implementation of work. Information about the GM will be given during toolbox talks to announce all employees in case of personnel turnover.				Review the construction employee contracts Training records Records of worker complaints SSI records of all employees					

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
	The Code of Conduct, and gender-based violence and sexual harassment (GBVH) are prepared and shared with project employees during employment. All employees are obliged to read this document and comply with the Code of Conduct while working on the project. Entrances and exits to the construction site are monitored, and unauthorized access to the site is prevented. The Contractor pays particular attention to workers who may have underlying health issues or may be otherwise at risk, ensuring their fitness for work before they commence employment. All workers receive mandatory legal health check reports upon recruitment. The Contractor informs employees about the precautions to be taken against epidemics and contagious diseases. The Contractor will arrange for safe drinking water, adequate toilet facilities, shelter, rest, and meal areas for workers. If external labor is needed a Camp Management Plan is prepared to avoid or reduce negative impacts on the community and maintain constructive relationships between local communities and workers' camps; and establish standards on worker welfare and living conditions at the camps that provide a healthy, safe and comfortable accommodation and environment. Necessary transportation facilities are provided for the workers. First aid kits containing bandages, antibiotic creams, etc., or medical facilities will be provided by the Contractor. Adequate personnel will be designated and trained to provide first aid in case of medical emergencies.									
Cultural Heritage: A coincidental finding	In the vicinity of both fields there are no cultural and historical sites. Prior to land preparation activities, project staff are trained on random finding procedures. In case of encountering any cultural heritage/asset during construction works (especially excavation and excavation works), the random finds procedure is applied (see Figure 1). TERRP ESMF Annex-9).		X		Training records Random findin		X		Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase.		Continuous	Monthly	Quarterly		
					g records					
Biodiversity: Potential risks to flora and fauna due to construction activities and improper waste management	No trees will be felled in any area. If trees need to be cut down in new residential areas, at least twice as many of the cut trees will be planted in the area to be determined by the General Directorate of Forestry (preferably in an area in the nearby area).	X			Tree planting records			X	PIU Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction
	Cutting down trees or destroying vegetation is prohibited outside the construction area. Hunting, fishing, catching wild animals or gathering plants is prohibited.		X		Visual inspection of control measures	X			Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction
Specific to Access Roads										
General Considerations	Permissions will be obtained for road extensions from the Municipality and other relevant authorities. Where road widening cannot be avoided, a full report on the need for the work will be submitted to Koltek before any work is carried out on the access roads. The social and environmental impacts of the work and mitigation measures will be detailed. The road to be used will be specified in the Traffic Management Plan. Damage to Neighbouring properties will be avoided during road construction. Project staff and the supply chain will be trained on the access roads	X	X		Approval of the explanatory report by Koltek on behalf of the PUB TYP Training records Records of unexpected impacts during the expansion of access routes Corresponde	X			Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
	to be used. Avoid road construction on unstable soils, steep slopes and nearby stream banks. Where no alternative road alignments are available, additional measures will be implemented (see slope protection section below). Placement of all construction waste (including earth cuts) to approved disposal sites (at >300 m from streams,) will be controlled. Erosion control measures will be implemented before the rainy season begins, preferably immediately following construction. The measures will be maintained and reapplied until vegetation is successfully established. Sediment control structures will be applied where needed to slow or redirect runoff and trap sediment until vegetation will be established.				nce of the municipality and other authorities.					
Slope protection	The slopes will be protected from erosion and landslides by taking the following measures: • Indigenous Species, fast-growing grass on slopes prone to erosion. These grasses help stabilize the slope and protect soil from erosion by rain and runoff. Locally available species possessing the properties of good growth, dense ground cover and deep root will be used for stabilization. • Provide interceptor ditch, particularly effective in areas of high-intensity rainfall and where slopes are exposed. This type of ditch intercepts and carries surface run-off away from erodible areas and slopes before reaching the steeper slopes, thus reducing the potential surface erosion.									

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
	• On steep slopes, it is planned to use a stepped embankment (terracing) for greater stability. • Place a retaining wall at the lower part of the unstable slope. The wall needs to have weeping holes for drainage of the road sub-base, thus reducing pressure on the wall. • Rocks (riprap) can be used in addition to protect the slope. • Prevent the uncontrolled run-off of water from the road surface with drainage ditches of sufficient size and divert the water away from the downhill slope.									
Special for Wastewater Systems										
General Considerations for Septic Tanks (If used by the Contractor during construction and in the treatment of Soğukpınar and Başdervişli's wastewater))	Septic tanks will be had a vent pipe to prevent gas from accumulating inside the reservoir and have a 'manhole' that allows access to the inside of the tank when needed. It will be ensured that the septic tanks have two chambers: the first chamber is for settling sludge, and the second chamber is for aerobic treatment. These chambers will generally treat wastewater better. Partially treated septic tank effluent can pollute groundwater and surface water. In cases where this is not possible, septic tanks will be impervious and designed in accordance with the "Regulation on Opening Pits in Places Where Sewage System Construction Cannot Be Applied" published in the Official Gazette dated 19/03/1971 and numbered 13783 and septic tanks will be sealed.	X			Design approval	Once during design			PIU Contractor (implementation) Supervision Consultant (audit)	Within the cost of construction
	Septic waste will not discharged into an open sewer or other surface waters. Wastewater will be treated before final disposal.		X	X	Wastewater disposal records (if applicable) Protocol with the		X		Contractor (implementation) Supervision Consultant	Within the cost of construction

Potential Risks and Impacts	Recommended Mitigation Measures	Phase			Monitoring Indicators	Monitoring Frequency			Responsibility for Implementation and Monitoring Planning	Estimated Cost Construction
		Planning	Construction	Operation Phase .		Continuous	Monthly	Quarterly		
	This can be achieved through (i) an underground infiltration area, (ii) a vegetated infiltration area, or (iii) a pit for percolation. In cases where this is not possible, septic waste will be periodically removed with vacuum tankers and disposed of within the framework of a protocol established with the relevant municipality having a licensed wastewater treatment facility. The septic tank's volume will be adequately determined to include the quantity of wastewater until it is conveyed to the municipal system (The septic tank volumes will be calculated, evaluated, and submitted for approval to Koltek along with estimated and planning figures before the installation of septic tanks.) The community to ensure the proper will be continued operation of septic tanks as evidence of preventing soil/water pollution should raise community awareness about the periodic inspection of septic tanks. Septic tanks will be regularly disinfected with insecticides to prevent pests and flies.				municipality Records of community awareness activities Records of complaints				(audit) Local government (Mukhtar)	

7. REPORTING STRUCTURE

The Contractor shall be responsible for recording, reporting, and analyzing the performance regarding the E&S aspects of the sub-project activities. There shall be a transparent record system presenting the monitoring indicators specified in Table 1 Environmental and Social Management Plan. The Contractor's Environmental and Social Management Plan (C-ESMP) shall be submitted before the commencement of construction works and no construction activity under the sub-project shall be undertaken until it is approved. The C-ESMP shall encompass at least the following site-specific management plans; an Occupational Health and Safety (OHS) Plan incorporating a Risk Assessment and Emergency Response Plan, Community Health and Safety and Traffic Management Plan, Waste Management Plan, Pollution Prevention Plan, Water Supply and Wastewater Management Plan, Labour Management Plan with a procedure as needed. These documents shall be prepared by the contractor, reviewed by Koltek, and approved by PIU.

It is advisable for the Contractor to use a checklist for routine checks and inspections. Visual inspections are a fundamental rule for control measures during site operations; however, without keeping records of inspections, an inspection system and ongoing improvement areas cannot be tracked and therefore assessed. The Contractor shall develop a daily checklist presenting the matters reported in Table 2 Environmental and Social Management Plan. Alongside the daily checklist, the Contractor should utilize weekly, bi-weekly, and monthly checklists as evidence of their review concerning issues requiring inspection at different frequencies; for instance, planning inspection frequencies such as weekly for temporary waste storage areas and hazardous material storage areas, bi-weekly for accommodations unit and kitchen inspections. It is the responsibility of the Contractor to develop checklists for the periodic inspection of the Contractor's units.

The Contractor will benefit from utilizing certain tracking lists to monitor discrepancies identified during internal audits and to monitor incidents and accidents. All issues identified as needing improvement will be followed up with proposed preventive/corrective actions. The monitoring system will also include the person responsible for preventive/corrective action and a specified timeframe for completion of the activity. In the case of an incident or accident, records shall be maintained at least in a descriptive manner of the incident/accident (including plans and photographs), type, outcome, condition of the involved person/material, elimination of the incident/accident, root cause analysis and evaluation report, direct and root causes, the unit/person responsible for preventive/corrective action as identified through the output of the root cause analysis to eliminate the recurrence of the incident/accident, and the time required to complete the identified action. Monitoring is a critical necessity for the Contractor's quality monitoring and improvement system.

The Contractor is obliged to prepare Monthly E&S Progress Reports and submit these reports to Koltek by the third day of each month at the latest.

Koltek will regularly review checklists, tracking lists, and the Contractor’s Monthly E&S Progress Reports and the Contractor will be audited accordingly.

Under the supervision contract, Koltek will develop Monthly Progress Reports concerning the implementation progress/status of the ESMP and ŞM. Additionally, Koltek will develop Quarterly Reports and a Final Audit Report that will encompass the Contractor's environmental and social performance.

8. ANNEXES

Annex 1 Title Deeds

164/24

-

TAŞINMAZA AİT TAPU KAYDI

Zemin Tipi	:AnaTasinmaz	Ada/Parsel	:164/24
Zemin No	:120176058	Yüzölçüm	:6852.64 m²
İl/İlçe	:KAHRAMANMARAŞ/ÇAĞLAYANCERİT	Ana Taş. Nitk	:Arazi
Kurum Adı	:Çağlayancerit		
Mah/Köy Adı	:SOĞUKPINAR		
Mevkii	:Akbaşobası		
Cilt/Sayfa No	:11/1081		
Kayıt Durum	:Aktif		

MÜLKİYET BİLGİLERİ

Sistem No	Malik	Elbirliği No	Hisse Pay/Payda	Metrekare	Edinme Sebebi - Tarih - Yev.	Terkin Sebebi - Tarih - Yev.
647464566	MALİYE HAZİNESİ	-	1/1	6852.64	3402 S.Y.nın 22/A Md. Gereğince Yenilenmenin Tescili-02/03/2022-453	

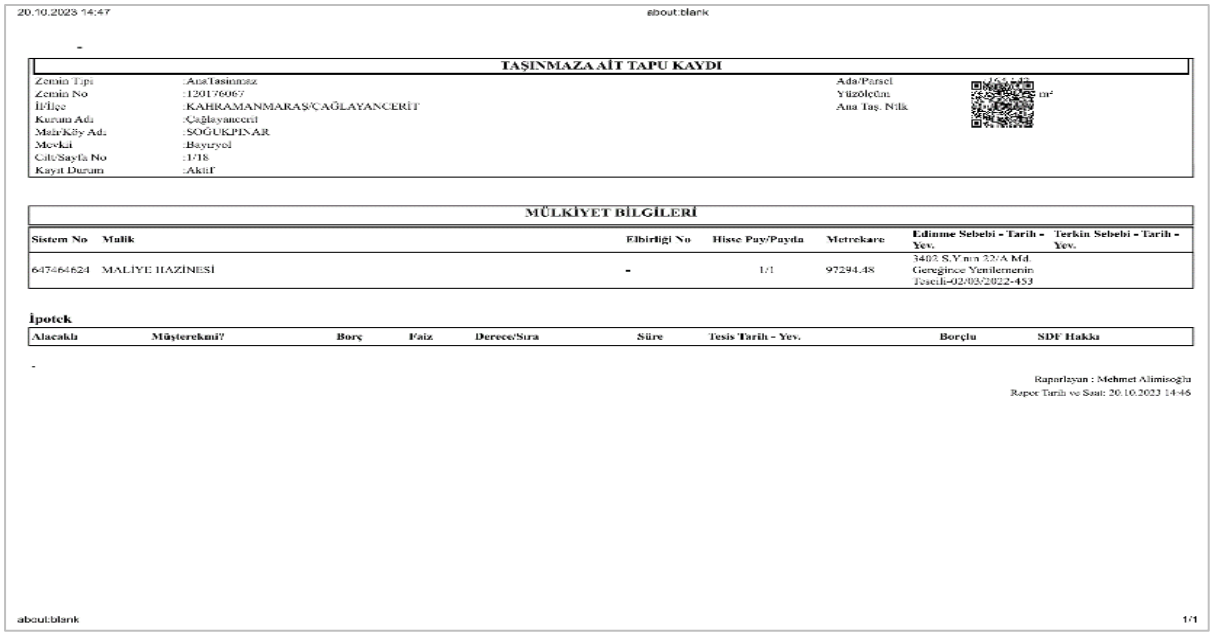
İpotek

Alacaklı	Müşterekmi?	Borç	Faiz	Derece/Sıra	Süre	Tesis Tarih - Yev.	Borçlu	SDF Hakkı

-

Raporlayan : Mehmet Alimisoğlu
Rapor Tarih ve Saat: 20.10.2023 14:44

164/42



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TAŞINMAZA AİT TAPU KAYDI

Zemin Tipi	:AnaTasinmaz	Ada/Parsel	:164/42
Zemin No	:120176067	Yüzölçüm	:97294.48 m²
İl/İlçe	:KAHRAMANMARAŞ/ÇAĞLAYANCERİT	Ana Taş. Nitk	:Arazi
Kurum Adı	:Çağlayancerit		
Mah/Köy Adı	:SOĞUKPINAR		
Mevkii	:Bayıryol		
Cilt/Sayfa No	:1/18		
Kayıt Durum	:Aktif		

MÜLKİYET BİLGİLERİ

Sistem No	Malik	Elbirliği No	Hisse Pay/Payda	Metrekare	Edinme Sebebi - Tarih - Yev.	Terkin Sebebi - Tarih - Yev.
647464624	MALİYE HAZİNESİ	-	1/1	97294.48	3402 S.Y.nın 22/A Md. Gereğince Yenilenmenin Tescili-02/03/2022-453	

İpotek

Alacaklı	Müşterekmi?	Borç	Faiz	Derece/Sıra	Süre	Tesis Tarih - Yev.	Borçlu	SDF Hakkı

-

Raporlayan : Mehmet Alimisoğlu
Rapor Tarih ve Saat: 20.10.2023 14:46

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195/14

TAŞINMAZA AİT TAPU KAYDI

Zemin Tipi	AnaTaşınmaz	Ada/Parsel	:195 / 14
Zemin No	:13041474	Yüzölçüm	:210067.84 m²
İlçe	:KAHRAMANMARAŞ/DULKADİROĞLU	Ana Taş. Nitk	:Kahn Arsiç Devlet O
Kurum Adı	:Dulkadiroğlu		
Mah/Köy Adı	:BAŞDERVİŞLİ		
Mevkii	:Eğrelilik Kahn Arsiç		
Cilt/Sayfa No	:2/325		
Kayıt Durum	:Aktif		

MÜLKİYET BİLGİLERİ

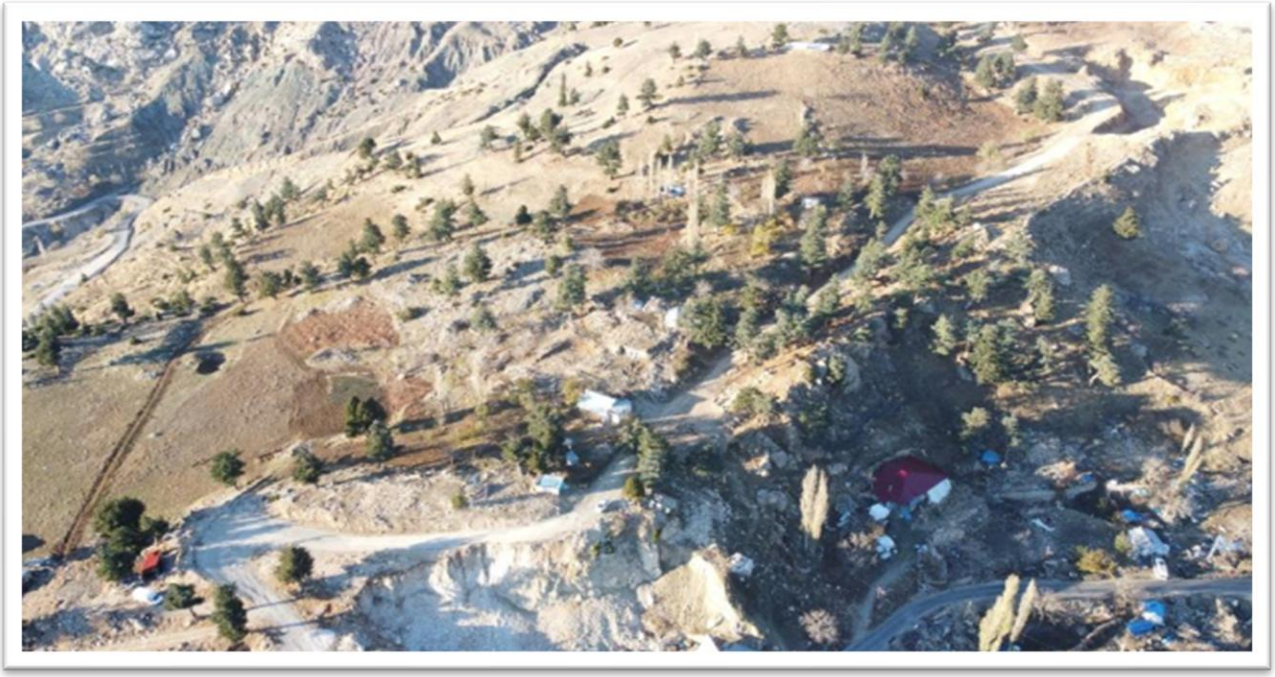
Sistem No	Malik	Elbirliği No	Hisse Pay/Payda	Metrekare	Edinme Sebebi - Tarih - Yev.	Terkin Sebebi - Tarih - Yev.
565851903	MALİYE HAZİNESİ	-	1/1	210067.84	3402 S.Y.nın 22/A Md. Gereğince Yenilenmiş Tescil-05/02/2021-1309	

İpotek

Alacaklı	Müşterekmi?	Borç	Faiz	Derece/Sıra	Süre	Tesis Tarih - Yev.	Borçlu	SDF Hakkı

Raporlayan : Mehmet Altınsoğlu
Rapor Tarih ve Saat: 20.10.2023 14:42

Annex 2. Site Photographs



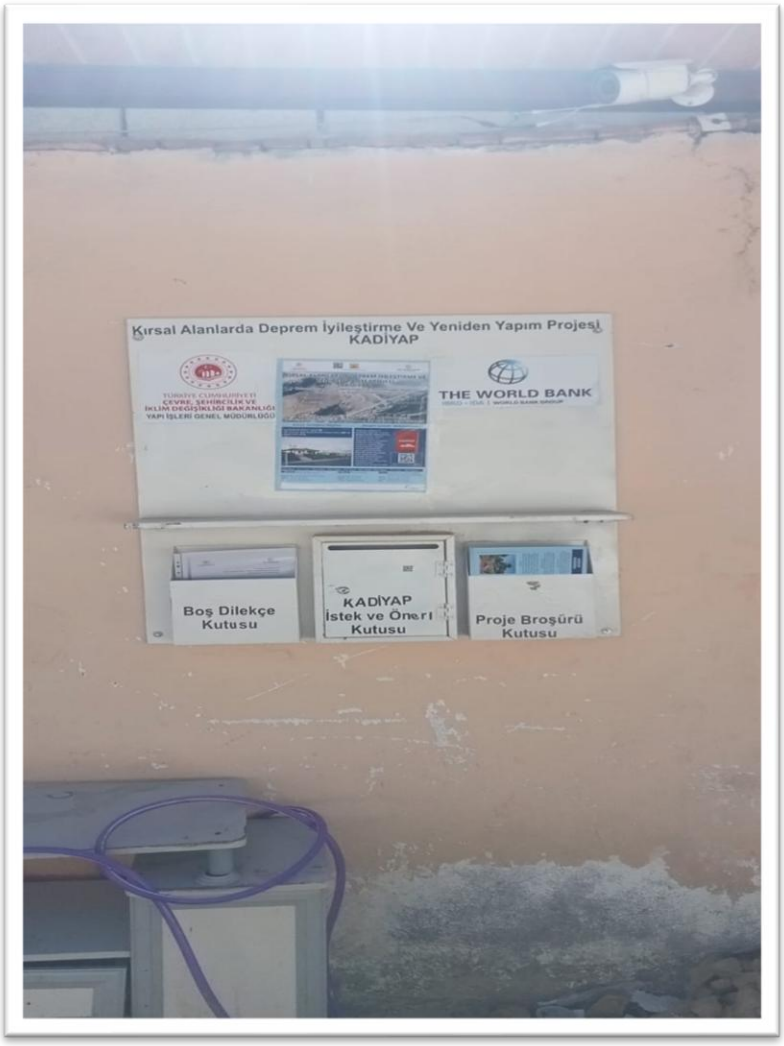
Photograph 1 Soğukpınar-A Parcel 164/24

Photograph 2. Soğukpınar-B Selected Area on Parcel 164/42

Photograph 3. Başdervişli Selected Area on Parcel 195/14

Photograph 4: Soğukpınar -A

Annex 3. Project Disclosure



Photograph 5: Project Disclosure materials and ESMP at the market wall in Soğukpınar (1)

Photograph 6: Project Disclosure materials and ESMP at the market wall in Soğukpınar (2)

Annex 4 Stakeholder Participation Meeting Presentation Document

T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI — THE WORLD BANK

KIRSAL ALANLARDA DEPREM İYİLEŞTİRME VE YENİDEN YAPIM PROJESİ (KADİYAP)

Kahramanmaraş İli Dulkadiroğlu İlçesi Başdervişli Mahallesi ve Çağlayancerit İlçesi Soğukpınar Mahallesi Kırsal Konut Projesi

Soğukpınar Mahallesi

PAYDAŞ KATILIM TOPLANTISI

01.10.2024

Saat: 10:30

koltek

PROJE HAKKINDA

- Proje'nin finansmanı Dünya Bankası tarafından sağlanmakta olup Hazine ve Maliye Bakanlığı garantörlüğünde Çevre, Şehircilik ve İklim Değişikliği Bakanlığı Yapı İşleri Genel Müdürlüğü tarafından yürütülmektedir.
- Proje'nin İnşaat Müşavirliği'ni Koltek Müşavirlik Anonim Şirketi (Koltek) üstlenmektedir.
- Proje kapsamında Kahramanmaraş ilinde Afet ve Acil Durum Yönetimi Başkanlığı tarafından tespit edilen hak sahipleri için belirlenen yeni alanlarda kırsal konutların inşa edilmesi amaçlanmaktadır.

PROJE YÖNETİMİ

Proje Yönetim Birimleri:

BANKA: Finansmanı Sağlayan Kuruluş, *Dünya Bankası*

İDARE: Proje Faaliyetlerin Genel Yönetimi ve İdaresi,
Çevre, Şehircilik ve İklim Değişikliği Bakanlığı,
Yapı İşleri Genel Müdürlüğü (YİGM)

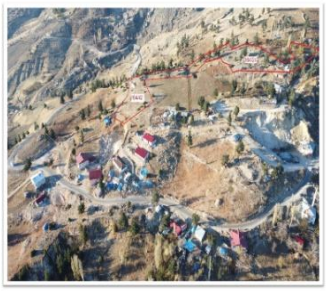
MÜTEAHİT: İnşaat İşini Yapan Firma, Bulut Yeşil Yapı A.Ş. - AGV Yapı Tic. Ltd. Şti. İş Ortaklığı

MÜŞAVİR: İnşaatı Denetleyen Firma, Koltek Müşavirlik *Anonim Şirketi*

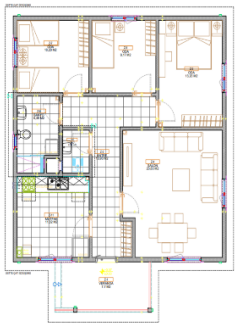
KADİYAP HAKKINDA

Kırsal Alanlarda Deprem İyileştirme ve Yeniden Yapım
Bileşen 3: Kırsal Konut Yeniden İnşası ve İyileştirmesi

- Bileşen-3 kapsamında depremden etkilenen diğer iller ile birlikte Kahramanmaraş ilinde belirlenen yerleşimlerde kırsal konutların yeniden inşası bulunmaktadır.
- Bu kapsamda, Soğukpınar Mahallesinde AFAD tarafından belirlenen 164 ada ve 24-42 toplam 10 adet konut ve Dukladiroğlu İlçesi Başdervişli Mahallesinde 195 ada 14 parselde 86 çelik yapılı kırsal konut yapımına başlanmıştır.
- İnşa edilen konutlar, hak sahiplerine AFAD tarafından kura ile teslim edilecektir.



Soğukpınar Mahallesi
Kırsal Konut Yerleşim Alanı
164/21 Ada Parsel
ve
164/42 Ada Parsel

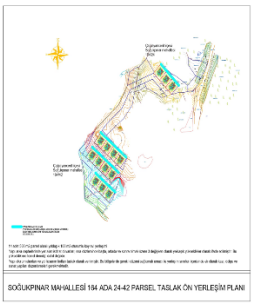


Ev Ögeleri	Metre Kare
Oda 1	10,20 m²
Oda 2	9,17 m²
Y. Odası	13,20 m²
Salon	23,63 m²
Mutfak	11,32 m²
Antre	13,93 m²
WC	2,34 m²
Banyo	6,39 m²
Veranda	7,7 m²
Toplam	**97,88 m²**

KADİYAP Bileşen 3:
Kırsal Konut Yeniden İnşası ve İyileştirmesi Projesi

Başdervişli Mahallesi için tasarlanan yerleşim planı

81 Adet 500 metre kare parsel alanlı yaklaşık 100 metre kare oturumlu köy evi yerleşimi



KADİYAP Bileşen 3:
Kırsal Konut Yeniden İnşası ve İyileştirmesi Projesi

Soğukpınar Mahallesi için tasarlanan yerleşim planı

14 Adet 500 metre kare parsel alanlı yaklaşık 100 metre kare oturumlu köy evi yerleşimi

Çevresel Konuların Yönetimi

- Atıklar: Evsel Katı Atıklar, Tehlikeli ve Tehlikesiz Atıklar, Sıvı Atıklar,...
- Hava Kalitesi: Makinelerden ve inşaat işlerinden kaynaklanan toz oluşumu ve egzoz emisyonları
- Gürültü: Makinelerden ve inşaat işlerinden kaynaklanan gürültü seviyelerinde artış
- Kaynak Kullanımı: Su, yakıt, elektrik, vb. doğal kaynak kullanımı
- Su Kaynakları: Yeraltı ve yüzey sularına olası etkiler
- Toprak: Kimyasal sızıntılar veya dökülmelerden kaynaklanan olası toprak kirliliği etkileri

- Proje inşaat alanında meydana gelebilecek olası çevresel etki ve riskler arasında katı ve sıvı atıkların oluşumu, toz ve gürültü emisyonlarında artış, kaynak kullanımı, su ve toprak kaynaklarında oluşabilecek olası kirlilik riskleri yer almaktadır.

PROJENİN ÇEVRESEL VE SOSYAL DOKÜMANLARI

ÇEVRESEL VE SOSYAL YÖNETİM PLANI (ÇSYP)

- Çevresel ve Sosyal Yönetim Planı (kısaca ÇSYP) olası çevresel ve sosyal etkilerin azaltılabilmesi için ihtiyaç duyulan tedbirlerin yer aldığı, bu etki ve önlemlerin nasıl ve ne şekilde uygulanması ve yönetilmesi gerektiğini ortaya koyan bir plandır.
- Müşavir Firma ile çevresel ve sosyal uzmanlar ÇSYP'nin etkin bir şekilde oluşturulması için 23 Ocak 2024 tarihinde alt proje sahasına ziyarette bulunmuştur.
- Bu saha ziyaretleri kapsamında hem muhtar ile görüşme yapılmış hem de seçilen parselin çevresel ve sosyal değerlendirmesi yerinde gerçekleştirilmiştir.
- Bu gözlem ve görüşmeler neticesinde Kullar Mahallesi Kırsal Konut İnşa Alt Projesinin de dahil olduğu bir Çevresel ve Sosyal Yönetim Planı hazırlanmıştır.
- Bu kapsamda öngörülen riskler ve etkilerine göre Çevresel ve Sosyal risk seviyesi **«Orta»** olarak değerlendirilmiştir.
- Belirlenen çevresel ve sosyal etki ve riskler ÇSYP'de belirtilen önlemlerin uygulanması, tedbirlerin alınması ile çözülebilecektir.

Çevresel Konuların Yönetimi

- Gerekli çevresel izinler alınacaktır. — İzinler
- İlgili çevre ve sosyal sorumlular belirlenecektir. — Organizasyon
- Tüm çalışanlara ilgili çevresel eğitimler verilecektir. — Eğitimler
- Tüm çevresel kaza ve olaylar raporlanacak ve kayıt altına alınacaktır. — Raporlama

- Söz konusu olası çevresel etki ve risklerin yönetilmesi için;
  - Gerekli izinler alınacak,
  - Sorumlular belirlenecek,
  - Tüm çalışanlara ilgili çevresel yönetim ve farkındalık eğitimleri verilecek,
  - Meydana gelen çevresel kazalar, sızıntılar, vb. durumlar raporlanacaktır.

İş Sağlığı ve Güvenliği Yönetimi

- Sorumlular belirlenecektir.
- Tehlikeler tespit edilecek ve risk analizleri gerçekleştirilecektir.
- Tespit edilen risk ve tehlikeler için uygun önlem ve tedbirler değerlendirilecek ve uygulanacaktır.
- Tüm çalışanlara yaptıkları işle ilgili temel düzey ve teknik İş Sağlığı ve Güvenliği (İSG) eğitimleri verilecektir.
- Tüm çalışanların işe giriş muayeneleri işyeri hekimi tarafından yapılacak ve uygunluk raporu düzenlenecektir.
- İnşaat sahası ilgili sorumlular tarafından düzenli olarak denetlenecektir.
- Denetleme sırasında tespit edilen uygunsuzluklar rapor edilerek en kısa sürede gerekli aksiyonlar alınacaktır.

İş Sağlığı ve Güvenliği Yönetimi

- İnşaat sahasında meydana gelebilecek tehlike ve risklere bazı örnekler şu şekildedir:

Yüksekte Çalışma

Yüksekten düşme sonucu yaralanma

Makinaların uygunsuz kullanımı

Düzensiz iş yeri

Kişisel Koruyucu Donanımların kullanılmaması

İş Sağlığı ve Güvenliği Yönetimi

- Tehlike, risk, önlem, raporlama gibi İSG yönetimine ilişkin adımlara yönelik aşağıdaki örnekler verilebilir.

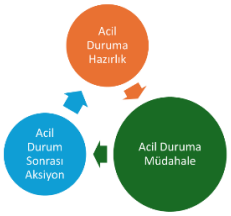
Tehlike	Risk	Tedbir/Önlem	Eğitim	Teftiş ve İç Kontrol	Raporlama
• Yüksekte Çalışma	• Yüksekten düşme sonucu yaralanma	• Yüksekte çalışmaktan kaçınmak, • İlgili Kişisel Koruyucu Donanımları kullanmak.	• Aylık, haftalık, günlük İSG eğitimlere katılım sağlamak ve uygulamak	• İlgili sorumlular tarafından düzenli saha turları yapılması, ve kontrol kayıtlarının tutulması	• Günlük, haftalık, aylık raporların düzenlenmesi.

Acil Durum Hazırlık ve Müdahale

- Acil Durum Planının hazırlanması
- Acil Durum Ekiplerinin belirlenmesi ve görevleri ile ilgili eğitimlerin verilmesi
- Acil Toplanma Alanının belirlenmesi ve işaretlenmesi
- Acil Durum müdahale ekipmanlarının tamamlanması ve eksiksiz olması
- Tatbikatlar yapılması
- Tüm çalışanlara acil durumlar hakkında bilgilendirme yapılması

Acil Durum Ekipleri

- Kurtarma
- Koruma
- Söndürme
- İlk Yardım



İŞGÜCÜ YÖNETİM PLANI (İYP)

- İYP, projenin inşaat öncesi, inşaat ve işletme aşamalarında geçerli olan, işgücü ve çalışma koşullarına ilişkin gereklilikleri açıklayan bir dokümandır.
- Tüm çalışanlara adil muamele yapılarak eşit fırsatların tanınması ve ayrımcılık yapılmaması için gereken uygulamaları teşvik eder ve uygulamaya koyulmasını sağlar.
- Proje çalışanlarının kendilerinin ve haklarının korunması ve işgücü ile ilgili risklerin yönetilmesi için gerekli altyapının sağlanmasını hedefler.
- İYP, işgücü ve çalışma koşullarına uygunluk, raporlama, roller ve sorumluluklar, izleme ve eğitim açısından gereksinimleri ve beklentileri açıklar.

Toplum Sağlığı ve Güvenliği Yönetimi

Alınacak Önlemler

- İnşaat alanına erişim bariyerlerle ve güvenlik personeli ile kısıtlanacaktır.
- Saha içerisinde ve yakınlarında ilgili trafik güvenliği önlemleri alınacak ve uygulanacaktır. Proje sürücülerinin hız limitleri kontrol altında tutulacaktır.
- Makine ve araçların bakımları düzenli olarak yapılacaktır.
- İnşaat ile ilgili bilgilendirmeler yapılacak ve Şikayet Mekanizması etkin bir şekilde uygulanacaktır.

Paydaş kimdir?

Proje faaliyetlerinden etkilenen ya da etkilenme ihtimali olan gerçek ya da tüzel kişiler..

- ✓ Kredi veren kuruluşlar
- ✓ Proje sahibi, proje yürütücüsü..
- ✓ Ulusal ve yerel devlet kurum ve kuruluşları
- ✓ Proje alanına yakın yerleşimler
- ✓ Proje kapsamında arazisi edinilen PEK'ler.. (Projeden Etkilenen Kişiler)
- ✓ Dezavantajlı ya da hassas olabilecek PEK'ler (Örneğin; yaşlılar, engelliler, kadınlar, vb.)
- ✓ Sivil Toplum Kuruluşları
- ✓ Üniversiteler, vakıflar, kooperatifler, yerel iş kuruluşları, iş dernekleri, ticaret odaları vs..
- ✓ Yüklenici ve ona bağlı çalışanlar..

Neden Paydaş Katılım Toplantıları Düzenlenir?

- Paydaş katılımı, ilgili proje boyunca gerçekleştirilen kapsayıcı ve süreklilik arz eden bir süreçtir. Doğru şekilde tasarlanıp uygulandığında, projenin çevresel ve sosyal etki ve risklerinin başarılı bir şekilde yönetilmesini ve paydaşlarla sağlam iletişim ve ilişkilerin kurulmasına olanak sağlar.
- Proje sürecinde paydaşlar arasında kurulan erken, sık ve açık iletişim ile olası çatışmalar ve proje gecikmelerinin önüne geçilecektir.

PROJENİN ÇEVRESEL VE SOSYAL DOKÜMANLARI

Şikayet Çözüm Mekanizması (ŞÇM)

Şikâyet Çözüm Mekanizması (ŞÇM), herhangi bir paydaşın proje hakkındaki varsa bir şikâyetini iletmesine veya projenin nasıl planlanacağına, inşa edileceğine ve uygulanacağına dair çözüm yolları sağlayan bir süreçtir.

4982 sayılı Bilgi Edinme Hakkı Kanunu: Herkes kamu kurum ve kuruluşlarının faaliyetleri hakkında bilgi edinme hakkına sahiptir. Bilgi edinme hakkının şeffaflık, eşitlik ve tarafsızlık esaslarına göre uygulanması gerekir.

Şikâyet Çözüm Mekanizmasındaki Temel Değerler:

- **Şeffaflık:** Tüm şikâyetler, açık ve anlaşılır bir şekilde şikâyet prosedürü kapsamında değerlendirilir.
- **Tarafsızlık:** Birey veya halk tarafından sunulan her şikâyet veya endişe için adil ve eşit bir şikâyet giderme prosedürü uygulanır.
- **Gizlilik:** Anonim şikâyetler sunulabilir ve çözülebilir. Şikâyet bildirmek kişisel bilgi veya fiziksel varlık gerektirmez.
- **Erişilebilirlik:** Tüm çalışanlar ve paydaşlar kolaylıkla yorum yapabilir veya şikâyette bulunabilir.
- **Kültürel Uygunluk:** Yerel halk tarafından dile getirilen bir şikâyet veya sorun, bölgesel kaygılar çerçevesinde değerlendirilir ve oradaki kültürel forma uygun bir çözüm süreci başlatılır.

Şikâyet/Öneri/Talep İletim Kanalları

- **Öneri ve şikâyetlerinizin**; içeriği ne olursa olsun, nasıl kaleme alınırsa alınsın bizim için değerli olduğunu bilmenizi isteriz. Genel etik ilkelere uygun olarak yazdığınız öneri ve şikâyetlerinizden dolayı olumsuz herhangi bir durumla karşılaşmayacak ve eleştirilmeyeceksiniz. Öneri ve şikâyetlerinizi farklı yöntemle iletebilirsiniz. *Şikâyet kutuları, e-mail , internet formları, yüz yüze ya da telefon* ile ileteceğiniz öneri ve şikâyetlerinizin hepsi aynı şekilde değerlendirilir, tarafsız bir kurul tarafından incelenir ve tamamı gizli bilgi statüsündedir.
- Tüm şikayet iletim kanallarından anonim şekilde (kimlik bilgisi paylaşmadan) öneri/talep ve görüşlerinizi Proje Uygulama Birimine iletebilirsiniz
- Bu proje hakkında genel bilgi almak, çevresel ve sosyal proje dokümanlarına erişmek ya da öneri ve şikayetlerinizi bildirmek için; https://kadiyap.csb.gov.tr/ web sayfasını ziyaret edebilirsiniz.

Şikâyet İletim Kanalları

- Çevre, Şehircilik ve İklim Değişikliği Bakanlığı'nın (ÇŞİDB) hem telefon hem de web sitesi aracılığıyla erişilebilen bir 'Alo181' yardım hattı vardır. Bu yardım hattı aynı zamanda çalışanları, çözüm ortakları ve daha geniş zümreler için bakanlık düzeyinde bir şikâyet mekanizması işlevi görür. ÇŞİDB tarafından sağlanan tüm çevre ve şehir hizmetleri ile ilgili soru, talep ve şikâyetler profesyonel olarak yönetilen ALO 181 çağrı merkezi tarafından yanıtlanmaktadır ya da Proje Uygulama Birimine iletilmektedir. 0312 586 48 27 nolu telefondan doğrudan Proje Uygulama Birimine ulaşabilirsiniz.

Çağrı Merkezi	: Alo 181
Telefon	: 0312 436 34 50
Whatsapp Şikayet Hattı	: 0545 148 88 34
E-Mail	: yigmkadev@csb.gov.tr
Şikayet Formu	: https://kadiyaponeri.csb.gov.tr/

Şikayet Kutularının Yeri

Çalışan Personeller İçin;
- Şantiye Alanlarında

Köy Halkı İçin;
- Camilerin Kadın ve Erkek Girişlerinde

Şikâyet İletim Kanalları

İnternet üzerinden şikâyet formuna hemen erişim için lütfen yandaki kodu telefonunuza okutun.

(Bu eylem için akıllı telefonunuzda QR kod uygulaması olmalıdır. Söz konusu uygulama yoksa, herhangi bir internet tarayıcı adres çubuğuna şikâyet formu erişim adresini yazabilirsiniz.)

SON OLARAK...

Projeye ilişkin çevresel ve sosyal tüm dokümanlara nereden ulaşılabilir?

- Köy muhtarlığı,
- Proje alanı,
- KADİYAP resmi web sitesi (https://kadiyap.csb.gov.tr/)

Annex 5 Photographs of Stakeholder Participation Meeting

Photograph 7: Soğukpınar neighbourhood stakeholder engagement meeting (1)

Photograph 8: Soğukpınar neighbourhood stakeholder engagement meeting (2)

Annex 6 Project Disclosure Materials

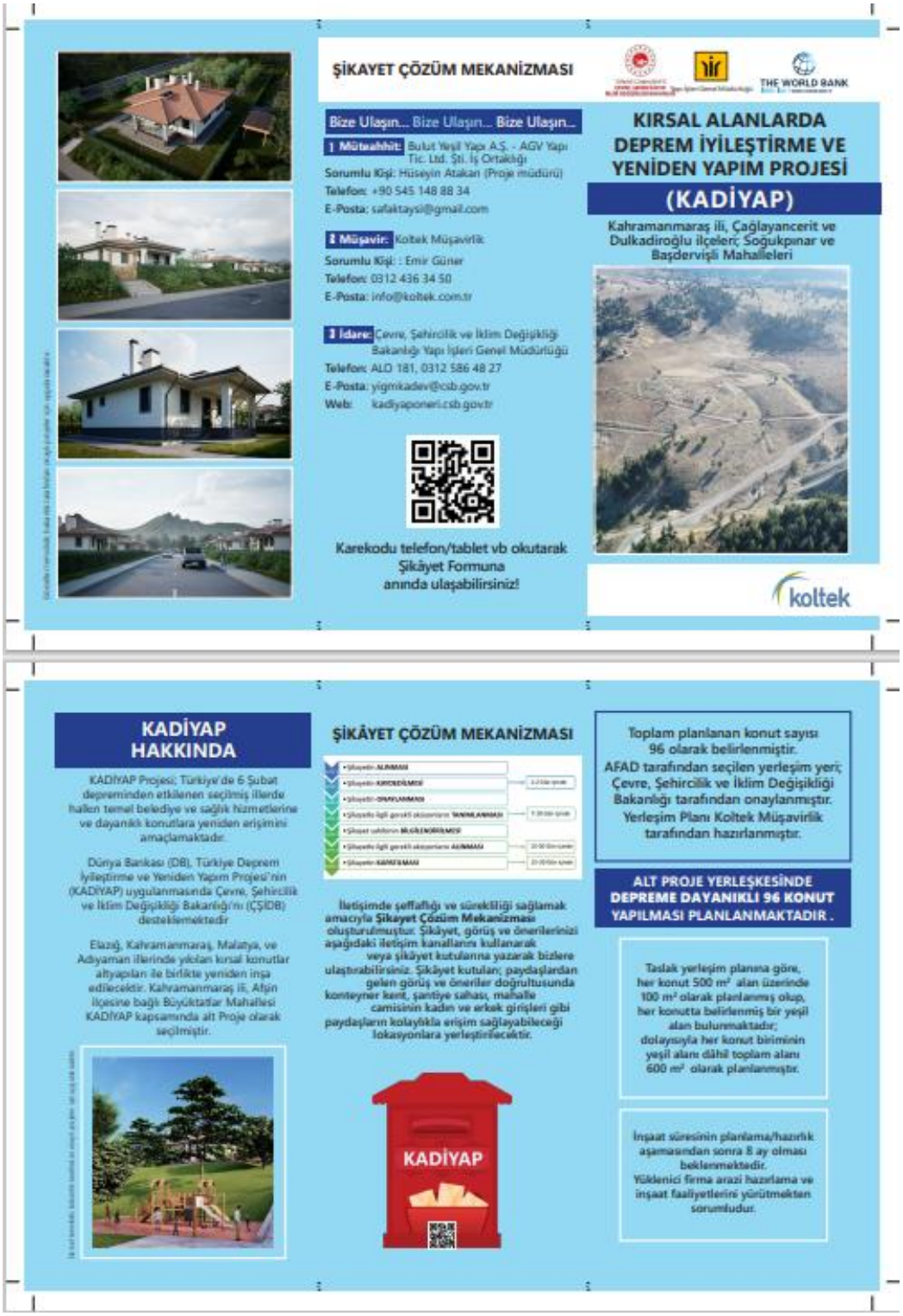
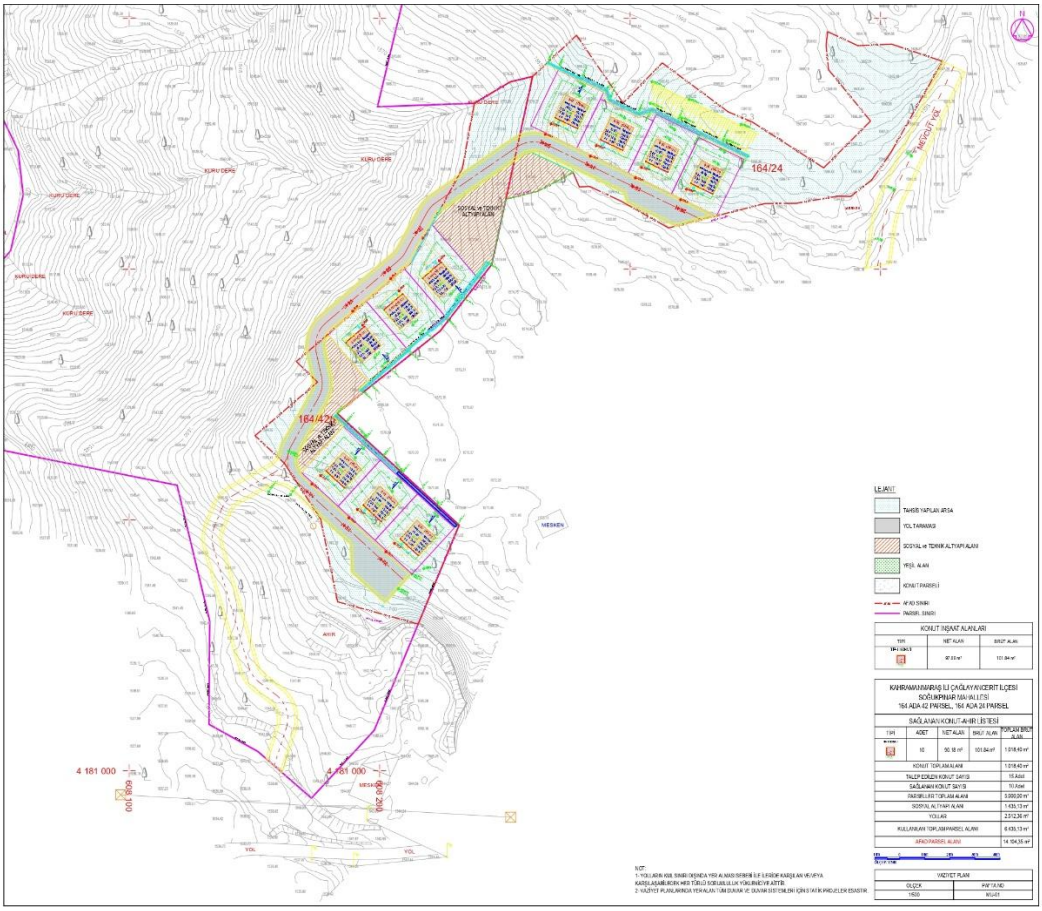


Figure 6: Project Broshure

Figure 7: Project Poster

Annex 7 Revised Layout (164/24-42) (Not approved)



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Annex 8 Screening Form

Submitted as a Separate Document