**Republic of Türkiye**

**Ministry of Environment, Urbanization and Climate Change**

General Directorate of Construction Affairs

# TÜRKİYE EARTHQUAKE RECOVERY AND RECONSTRUCTION PROJECT (TERRP)

| | |
|---|---|
| **Sub-Project Title** | DESSUP-06 – Tunceli Province, Çemişgezek District Rural Housing Project Cluster-3 (35 Rural Housing Units) |
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This Environmental and Social Management Plan (ESMP) has been developed by TUMAS within the scope of the Türkiye Earthquake Recovery and Reconstruction Project (TERRP), under the Consultancy Services for Design Review and Reconstruction Supervision of Rural Housing (Ref: TERRP/CS-DESSUP-06).

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| | | |
|---|---|---|
| **ADP** | : | Emergency Action Plan |
| **AFAD** | : | Disaster and Emergency Management Authority |
| **AFD** | : | Agence Française de Développement |
| **AOI** | : | Area of Influence |
| **CAPA** | : | Corrective and Preventive Action |
| **C-ESMP** | : | Contractor's Environmental and Social Management Plan |
| **CHSTMP** | : | Community Health, Safety, and Traffic Management Plan |
| **CHS** | : | Community Health and Safety |
| **WB** | : | World Bank |
| **DSI** | : | State Hydraulic Works |
| **EA** | : | Environmental Assessment |
| **EBRD** | : | European Bank for Reconstruction and Development |
| **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 |
| **GRM** | : | Grievance Redress Mechanism |
| **IFC** | : | International Finance Corporation |
| **TERRP** | : | Türkiye Earthquake Recovery and Reconstruction Project |
| **LMP** | : | Labor Management Procedure / Plan |
| **MoEUCC** | : | Ministry of Environment, Urbanization and Climate Change |
| **NGO** | : | Non-Governmental Organization |
| **OHS** | : | Occupational Health and Safety |
| **PAP** | : | Pollution Prevention Plan |
| **PIU** | : | Project Implementation Unit |
| **PPE** | : | Personal Protective Equipment |
| **PTP** | : | Package Wastewater Treatment Plant |
| **RCA** | : | Root Cause Analysis |
| **RP** | : | Resettlement Plan |
| **SEA/SH** | : | Sexual Exploitation and Abuse / Sexual Harassment |
| **SEP** | : | Stakeholder Engagement Plan |
| **SP** | : | Social Specialist |
| **TMP** | : | Traffic Management Plan |
| **WMP** | : | Waste Management Plan |
| **WWTP** | : | Wastewater Treatment Plant |

## 1. INTRODUCTION

The World Bank (WB) and the Agence Française de Développement (AFD) support the Ministry of Environment, Urbanization and Climate Change (MoEUCC) in the implementation of Components 3 and 4.3 of the Türkiye Earthquake Recovery and Reconstruction Project (TERRP). MoEUCC will ensure the implementation and execution of the Project in close cooperation with the Disaster and Emergency Management Authority (AFAD).

The overall objective of the TERRP is to restore access to essential municipal and health services and to earthquake-resilient housing in selected provinces affected by the February 2023 earthquakes in Türkiye.

Within the scope of the Project, houses and basic infrastructure that were destroyed or severely damaged in the selected villages/neighbourhoods will be reconstructed in situ and/or at new settlement locations. Accordingly, this Environmental and Social Management Plan (ESMP) includes detailed information on the project area, the number of rural houses to be reconstructed, and other relevant project-specific details.

Under DESSUP-06, Çemişgezek District has been designated as the project area. This ESMP has been prepared within the scope of Component 3 (Reconstruction and Improvement of Rural Housing) and Component 4.3 (Project Management, Monitoring and Evaluation) of the Türkiye Earthquake Recovery and Reconstruction Project (TERRP). The ESMP identifies potential environmental and social risks that may arise during the construction of a total of 35 rural housing units in the listed villages under Cluster-3 of Çemişgezek District, Tunceli Province (Alakuş, Arpaderen, Doğanalan, Erkalkan, Gedikler, Vişneli, and Yünbüken), and includes appropriate mitigation measures to minimize these impacts.

The ESMP sets out the environmental and social policies of Türkiye, the World Bank, and AFD applicable to the Project and describes the principles, approaches, implementation arrangements, and measures to mitigate or fully eliminate potential environmental and social impacts.

This ESMP also covers health and safety measures, stakeholder engagement activities to be undertaken, and the establishment of a Grievance Redress Mechanism (GRM). Finally, the ESMP outlines the roles and responsibilities of the relevant parties involved in the implementation of the sub-project.

## 2 RATIONALE FOR THE ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

This Environmental and Social Management Plan (ESMP) has been prepared to identify, monitor, and effectively manage the environmental and social impacts of the activities to be implemented under the Türkiye Earthquake Recovery and Reconstruction Project (TERRP). The primary rationale of the Plan is to prevent, minimize, and mitigate potential adverse environmental and social impacts on the environment and local communities during project implementation, while enhancing positive impacts where feasible.

Within the scope of TERRP, in accordance with the Environmental and Social Management Framework, Environmental and Social Screening activities for the villages listed under the Ovacık sub-project have been completed by the Project Implementation Unit (PIU) operating under the Department of Seismic Strengthening Financed by International Funds of the General Directorate of Construction Affairs (GDCA) of the Ministry of Environment, Urbanization and Climate Change (MoEUCC). The relevant screening forms are provided in Annex 2.

Based on the environmental and social screening and site assessments conducted under the TERRP Environmental and Social Management Framework (ESMF), it was determined that a site-specific Environmental and Social Management Plan (ESMP) is required for the "Tunceli Province, Çemişgezek District Rural Housing Project – Cluster-3 (35 Rural Housing Units)" sub-project (hereinafter referred to as the "Project"). Accordingly, within the scope of the Consultancy Services for Design Review and Reconstruction Supervision of Rural Housing, the ESMP for the sub-project was prepared by the Supervision Consultant in line with Annex 4 of the ESMF.

Within this scope, the sub-project sites located in Çemişgezek District of Tunceli Province were visited, on-site assessments were conducted, and consultations were held with the relevant village headmen (muhtars) to review the project areas in situ.

The General Directorate of Construction Affairs (GDCA) shall be responsible for the overall control, management, and coordination of Project implementation. The Consultant shall be responsible for the preparation of the ESMP and for supervising and monitoring its implementation, while the Contractor shall be responsible for the on-site implementation of the ESMP.

This ESMP includes site-specific mitigation measures developed based on the currently available information. In the event of any changes to the Contractor's construction approach, the ESMP shall be revised by the Contractor, and a Contractor's Environmental and Social Management Plan (C-ESMP) shall be prepared and submitted to TÜMAŞ for review. Following the Consultant's evaluation, the revised C-ESMP shall be submitted to the PIU for approval.

In addition, the Contractor shall prepare site-specific sub-management plans, including but not limited to the Waste Management Plan, Pollution Prevention Plan, Water Supply and Wastewater Management Plan, Labor Management Plan (LMP), Occupational Health and Safety (OHS) Plan, and Community Health, Safety and Traffic Management Plan, and submit them to the Supervision Consultant for review. Following the Supervision Consultant's assessment, these plans shall be submitted to the PIU for approval.

# 3 LEGAL AND INSTITUTIONAL FRAMEWORK

Environmental and social impact assessment processes in Türkiye are implemented within the framework of the Environmental Law and the relevant secondary legislation and sector-specific regulations.

The national environmental and social legislation and institutional framework applicable to the activities to be carried out under the Türkiye Earthquake Recovery and Reconstruction Project (TERRP) are summarized in Section 3 of the Environmental and Social Management Framework (ESMF). During the preparation, development, and implementation of this Environmental and Social Management Plan (ESMP), both national legislation and the World Bank Environmental and Social Standards (WB ESSs) are taken into consideration. In addition, within the scope of the Additional Financing Project, Agence Française de Développement (AFD) has fully adopted the World Bank's environmental and social policies and implementation practices.

All environmental, social, and Occupational Health and Safety (OHS) documents related to the Project, including the ESMF, are available in both English and Turkish at the following website:

Turkish Version:
https://webdosya.csb.gov.tr/db/kadiyap/menu/csyc_20240313033738.pdf

English Version:
https://webdosya.csb.gov.tr/db/kadiyap_en/menu/esmf_20240313034306.pdf

# 4 PROJECT DESCRIPTION

Under the post-disaster housing reconstruction program, it is planned to reconstruct rural houses that were destroyed or severely damaged in earthquake-affected villages in a climate- and disaster-resilient manner, along with the repair and/or reconstruction of the associated basic infrastructure. Within the scope of the Project, the construction of a total of 35 rural housing units is planned under Cluster-3 in Çemişgezek District, Tunceli Province.

**Table 1.** *Project Description*

| District | Village / Neighbourhood | Number of Rural Houses | In-situ / Resettlement | Parcel No. | Area (m²) | Land Registration Status |
|---|---|---|---|---|---|---|
| **Cemişgezek** | Alakuş | 4 | In-situ Resettlement | 102/12 | 207.226,05 | Pasture Land |
| | | | In-situ Resettlement | 128/3 | 11.134,69 | Main Parcel |
| | | | In-situ Resettlement | 128/21 | 1.124,15 | Garden |
| | | | Resettlement | 128/9 | 3.759,19 | Arable Land |
| **Çemişgezek** | Arpaderen | 2 | In-situ Resettlement | 133/119 | 1.653,53 | Arable Land |
| **Çemişgezek** | Doğanalan | 1 | Resettlement | 1/138 | 500 | Arable Land |
| **Çemişgezek** | Erkalkan | 4 | Resettlement | 112/4 | 2.387,32 | Orchard |
| | | | Resettlement | 103/22 | 196.578,64 | Pasture Land |
| **Çemişgezek** | Gedikler | 1 | Resettlement | 124/1 | 4.701,40 | Arable Land |
| **Çemişgezek** | Vişneli | 15 | Resettlement | 103/15-16 | 22.759,82 | Pasture Land |
| **Çemişgezek** | Yünbüken | 8 | Resettlement | 124/3 | 14.593,20 | Pasture Land |
| | | | In-situ Resettlement | 110/55 | 22.966,81 | Pasture Land |

**Source:** *Official Website of the General Directorate of Land Registry and Cadastre, https://parselsorgu.tkgm.gov.tr/*

All procedures and actions related to the construction of housing for disaster-affected populations, including site selection, were transferred from the Disaster and Emergency Management Authority (AFAD) to the Ministry of Environment, MoEUCC, through the official letter dated 08/12/2023 and numbered 771633, to ensure the economic and efficient use of public resources. Accordingly, the land parcels were selected by the Tunceli Provincial Directorate of Environment, Urbanization and Climate Change, which operates under MoEUCC.

The sub-project will not involve risks related to forced labor, child labor, or other harmful labor practices. During the construction phase, direct, contracted, local, and primary supply workers will be employed. Occupational Health and Safety (OHS) risks will be managed in accordance with the hierarchy of controls, and all necessary measures will be defined and implemented under the OHS Plan. With the implementation of the mitigation measures during both the construction and operation phases, no physical or economic displacement is anticipated, and no adverse impacts on livelihoods, employment, commercial activities, or income-generating activities are expected.

No direct or indirect adverse impacts are expected on vulnerable individuals and groups, including women, the elderly, persons with disabilities, or low-income groups, as a result of the Project activities. Nevertheless, throughout the Project implementation period, appropriate measures will be taken to consider the needs and potential vulnerabilities of these groups, and regular feedback mechanisms will be maintained through stakeholder engagement processes. The Project's social specialists will maintain regular communication with vulnerable groups and will monitor their conditions on an ongoing basis. No adverse impacts are anticipated for vulnerable individuals or groups.

Water supply will be provided by obtaining the necessary official permits from the relevant villages for construction site office areas, and from wells and/or surface water sources for construction area uses. For wastewater management, sealed septic tanks will be constructed, and domestic wastewater will be collected in these tanks and transported to a Wastewater Treatment Plant (WWTP) by vacuum trucks, in accordance with agreements to be made with the Tunceli Municipality or the Provincial Special Administration.

A temporary waste storage area will be established for solid wastes generated at the construction sites and camps, where wastes will be segregated and stored according to their types. Domestic solid wastes will be collected by the Provincial Special Administration, while other hazardous and non-hazardous wastes will be transported to licensed disposal facilities.

For the housing units to be constructed, the necessary permits will be obtained from the relevant electricity distribution company, and electricity supply for the houses will be provided through the authorized electricity transmission line. During the construction phase, generators will be used to meet electricity needs. If an electricity line is available in proximity to the construction area, consultations will be held with the relevant electricity distribution company, and electricity may be supplied from the grid upon obtaining the required permits. Within the scope of the sub-project, the construction of internal roads within the resettlement area (intra-block roads) and external access roads (extra-block roads) has been planned; however, road construction works have not yet commenced.

Domestic wastewater generated from the village houses to be constructed will be collected in watertight septic tanks. In this regard, the external wastewater infrastructure works have been completed. Construction works related to the drinking and domestic water supply infrastructure and electricity infrastructure required for the resettlement area are planned to be initiated in the subsequent phases of the Project.

## 4.1. Project Management

### 4.1.1 Alakuş Village

The sub-project comprises the construction of a total of four (4) rural housing units at a new location, together with a drinking water supply network and sealed septic tanks, within parcels numbered 102/12, 128/3, 128/21, and 128/9 located in Alakuş Village, Çemişgezek District, Tunceli Province. The owners of the parcels, the details of which are provided in Table 1, have granted their consent for the construction of the new rural housing units and will reside in these houses upon completion of the Project. Resettlement will be carried out on Parcel No. 102/12, while in-situ resettlement will be implemented on the remaining parcels.

The total parcel area is 223,244,08 m². A large portion of the land is registered under Treasury ownership, while the areas where in-situ resettlement will be implemented are privately owned.

The project parcels are presented in Figures 1, 3, 5, and 7; the existing land uses surrounding the parcels are shown in Figures 2, 4, 6, and 8; and the distances to and characteristics of the nearest residential buildings and other facilities are provided in Tables 2, 3, 4, and 5.

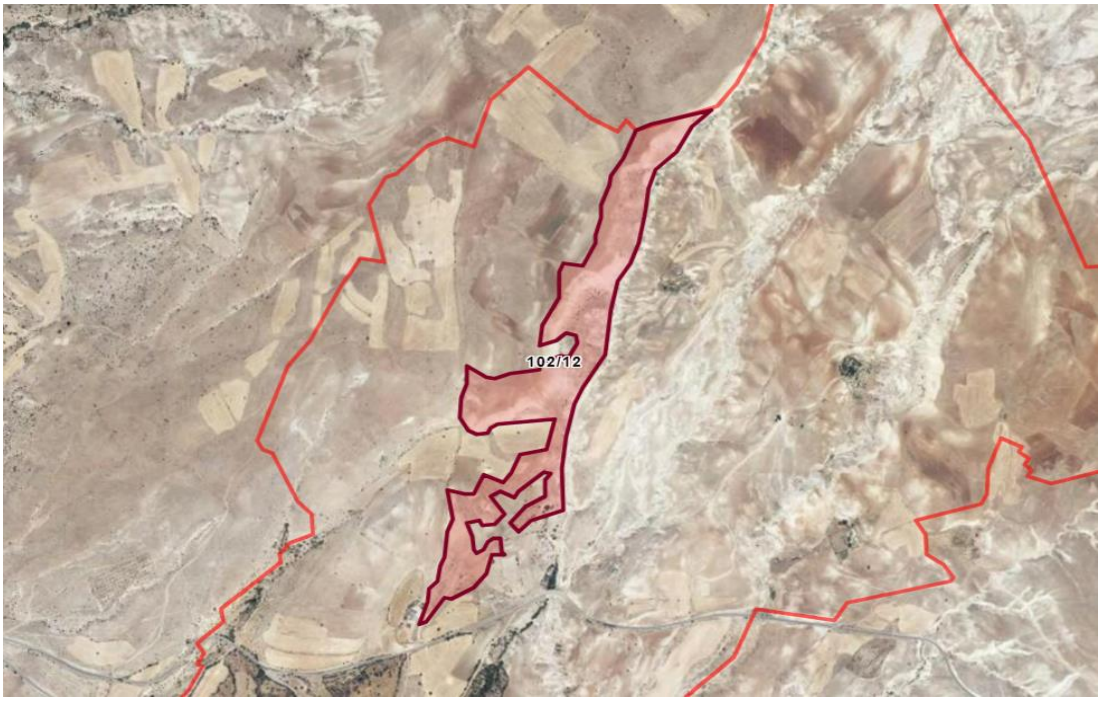


**Figure 1.** *Satellite Image of Alakuş Village Parcel No. 102/12*

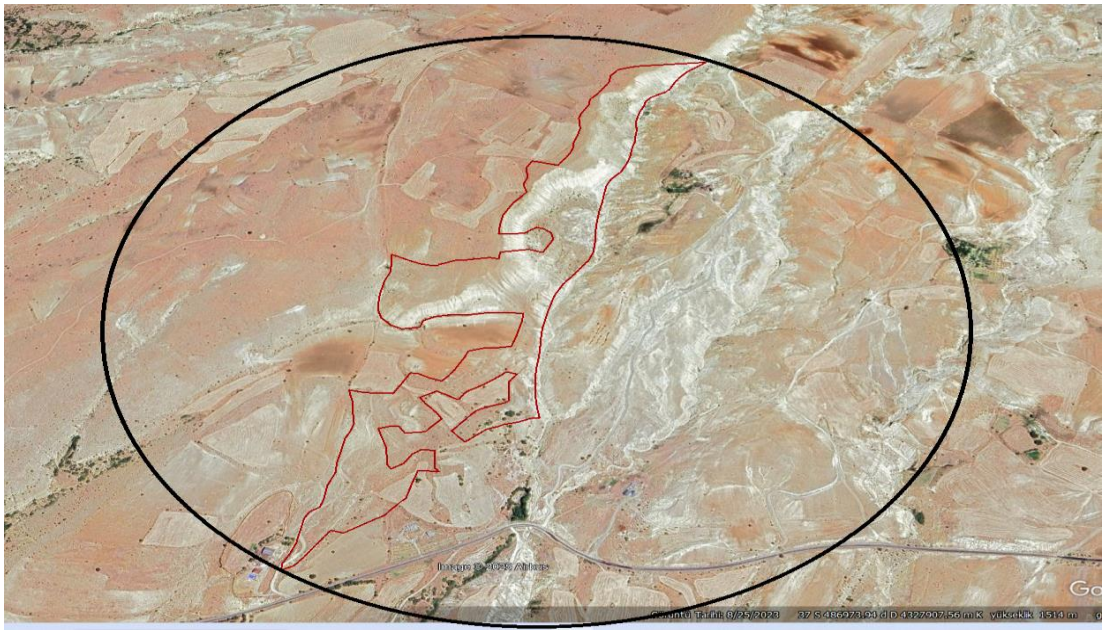

**Figure 2.** *Area of Influence of Parcel No. 102/12, Alakuş Village*

**Table 2. Distances to Residential Areas / Facilities / Other Structures (Alakuş Parcel No. 102/12)**

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Nearest residential building | 25 |
| Nearest agricultural land | Adjacent |
| Road | Adjacent |
| Alakuş village center | 500 |


**Figure 3.** *Satellite Image of Alakuş Village Parcel No. 128/3*

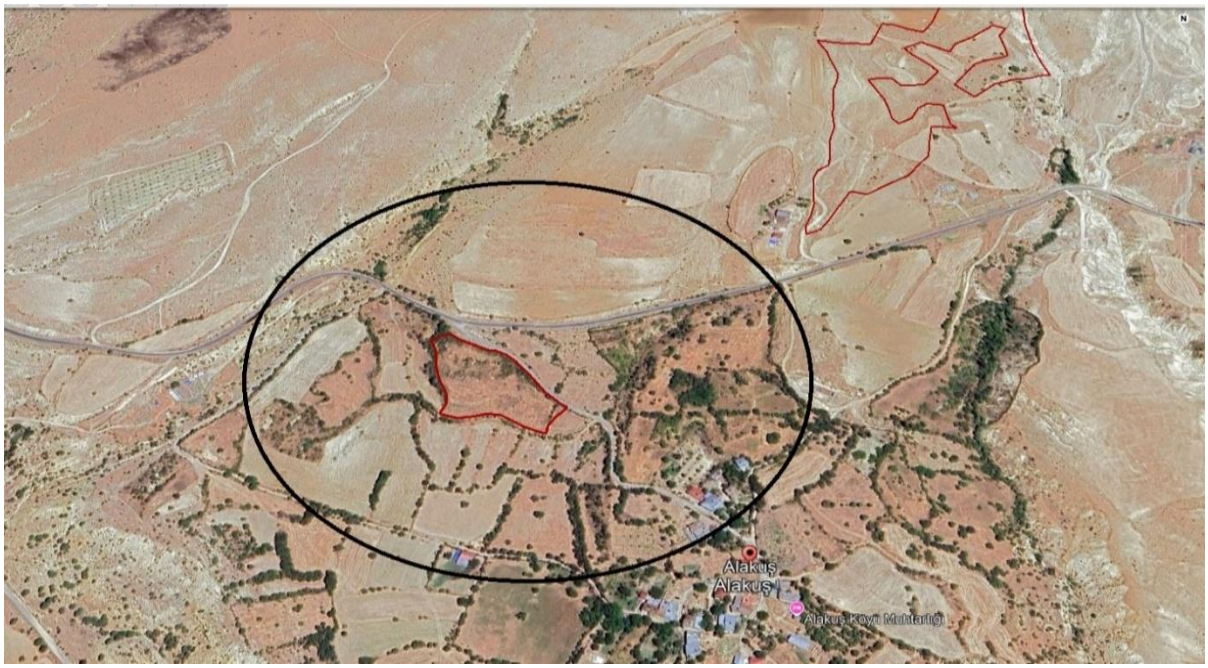


**Figure 4.** *Area of Influence of Parcel No. 128/3, Alakuş Village*

**Table 3.** *Distances to Residential Areas / Facilities / Other Structures (Alakuş Village Parcel No. 128/3)*

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Nearest residential building | 170 |
| Nearest agricultural land | Adjacent |
| Road | Adjacent |
| Alakuş village center | 250 |


**Figure 5.** *Satellite Image of Alakuş Village Parcel No. 128/21*

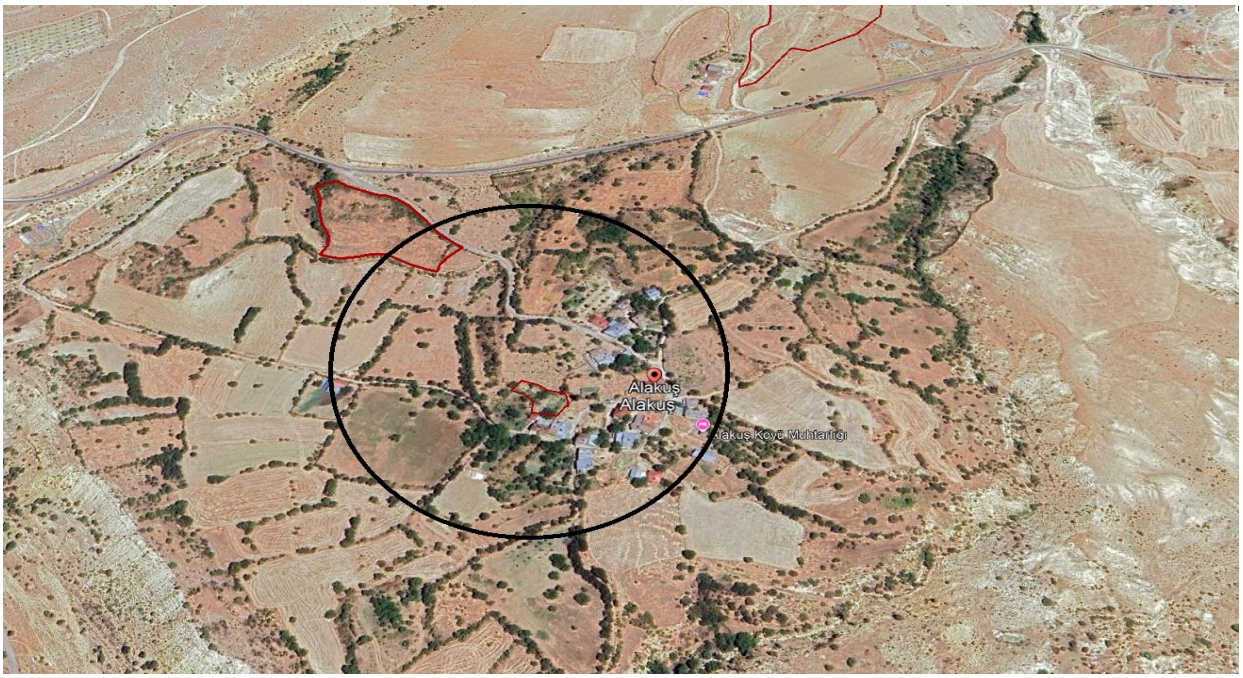


**Figure 6.** *Area of Influence of Parcel No.128/21, Alakuş Village*

**Table 4.** *Distances to Residential Areas / Facilities / Other Structures (Alakuş Village Parcel No. 128/21)*

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Nearest residential building | Adjacent |
| Nearest agricultural land | Adjacent |
| Road | 15 |
| Alakuş village center | 70 |


**Figure 7.** *Satellite Image of Alakuş Village Parcel No. 128/9*

**Figure 8.** *Area of Influence of Parcel No. 128/9, Alakuş Village*

**Table 5.** *Distances to Residential Areas / Facilities / Other Structures (Alakuş Village Parcel No. 128/9)*

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Nearest residential building | 60 |
| Nearest agricultural land | Adjacent |
| Road | Adjacent |
| Alakuş village center | 500 |

### 4.1.2 Arpaderen Village

The sub-project comprises the construction of a total of two (2) rural housing units at a new location within Parcel No. 133/119 located in Arpaderen Village, Çemişgezek District, Tunceli Province, together with the construction of internal roads and sidewalks within the parcel, street lighting, sewerage and drinking water networks, and sealed septic tanks. The entitled beneficiaries have granted their consent for the construction of the new rural housing units and will reside in these houses upon completion of the Project.The parcel has an area of 1,653,53 m² and is registered as arable land in the land registry records.

The project parcel is presented in Figure 9; the existing land uses surrounding the parcel are shown in Figure 10; and the distances to and characteristics of the nearest residential buildings and other facilities are provided in Table 6.


**Figure 9.** *Satellite Image of Arpaderen Village Parcel No. 133/119*

**Figure 10.** *Area of Influence of Arpaderen Village Parcel No. 133/19*

**Table 6.** *Distances to Residential Areas / Facilities / Other Structures (Arpaderen Village Parcel No. 133/19)*

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Nearest residential building | 175 |
| Road | 90 |
| Arpaderen village center | 1.100 |

### 4.1.3 Doğanalan Village

The sub-project comprises the in-situ construction of one (1) rural housing unit together with a sealed septic tank within Parcel No. 1/138 located in Doğanalan Village, Çemişgezek District, Tunceli Province. The entitled beneficiary has granted consent for the construction of the new rural housing unit and will reside in this dwelling upon completion of the Project. The parcel has an area of 500 m² and is registered as arable land in the land registry records.

The project parcel is presented in Figure 11; the existing land uses surrounding the parcel are shown in Figure 12; and the distances to and characteristics of the nearest residential buildings and other facilities are provided in Table 7.

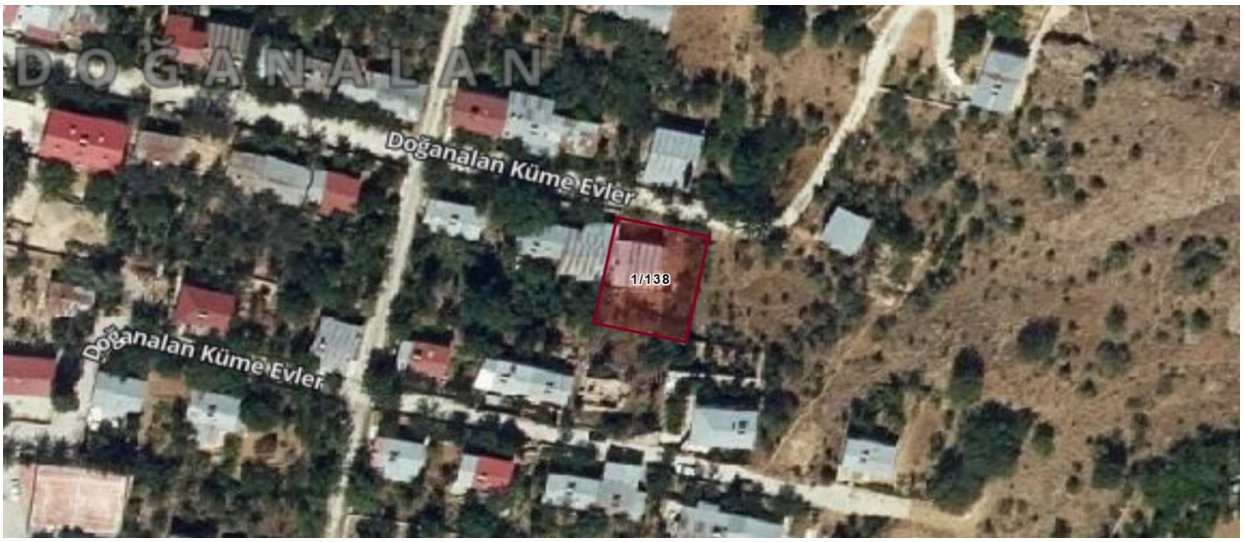


**Figure 11.** *Satellite Image of Doğanalan Village Parcel No. 1/138*

**Figure 12.** *Area of Influence of Doğanalan Village Parcel No. 1/138*

**Table 7.** *Distances to Residential Areas / Facilities / Other Structures (Doğanalan Village Parcel No. 1/138)*

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Nearest residential building | Adjacent |
| Nearest agricultural land | Adjacent |
| Road | Adjacent |
| Doğanalan village center | 90 |

### 4.1.4 Erkalkan Village

The sub-project comprises the construction of a total of four (4) rural housing units at a new location within Parcels No. 112/4 and 103/22 located in Erkalkan Village, Çemişgezek District, Tunceli Province, including one (1) unit on Parcel No. 112/4 and three (3) units on Parcel No. 103/22. The sub-project also includes the construction of internal roads and sidewalks within the parcels, street lighting, sewerage and drinking water networks, and sealed septic tanks. The entitled beneficiaries, whose details are provided in Table 1, have granted their consent for the construction of the new rural housing units and will reside in these houses upon completion of the Project.

The total area of the parcels is 198.965,96 m². According to the land registry records, Parcel No. 112/4 is registered as an orchard, while Parcel No. 103/22 is registered as pasture land.

The project parcels are presented in Figures 13 and 15; the existing land uses surrounding the parcels are shown in Figures 14 and 16; and the distances to and characteristics of the nearest residential buildings and other facilities are provided in Tables 8 and 9.


**Figure 13.** *Satellite Image of Plot No. 112/4 in Erkalkan Village*

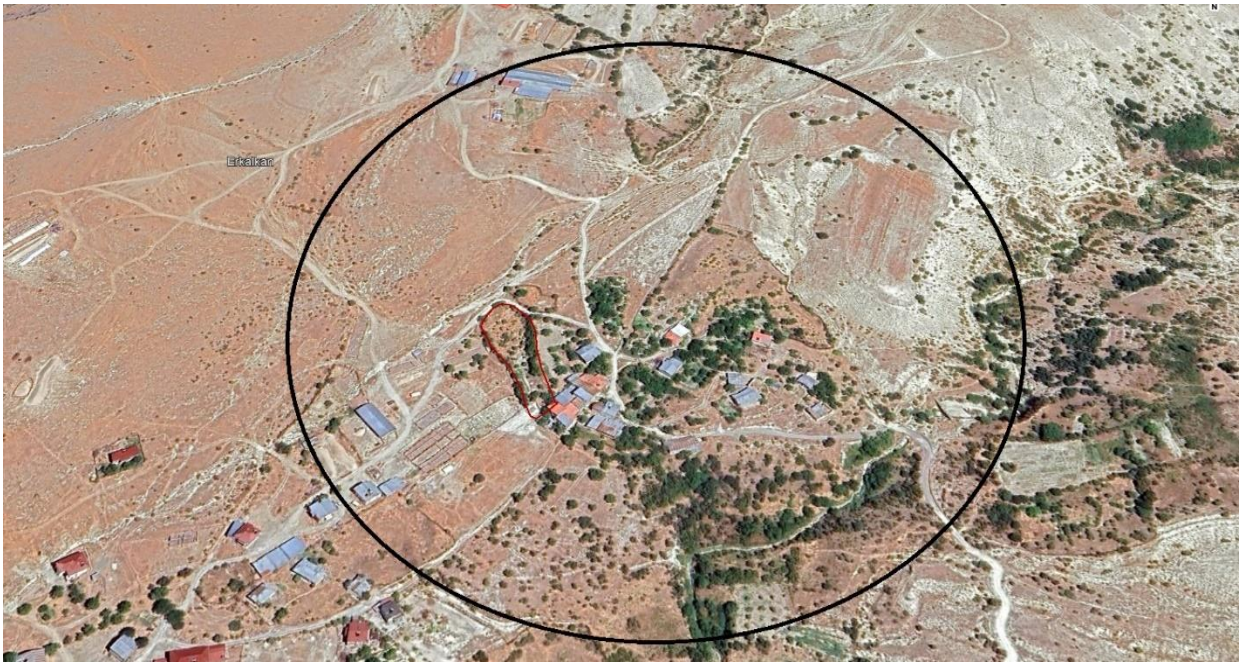


**Figure 14.** *Area of Influence of Plot No. 112/4 in Erkalkan Village*

**Table 8**. *Distances to Settlements / Facilities / Other Structures (Erkalkan Village, Parcel No 112/4)*

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Road | Adjacent |
| Nearest agricultural land | Adjacent |
| Nearest residential unit | Adjacent |
| Erkalkan Village center | 1.500 |

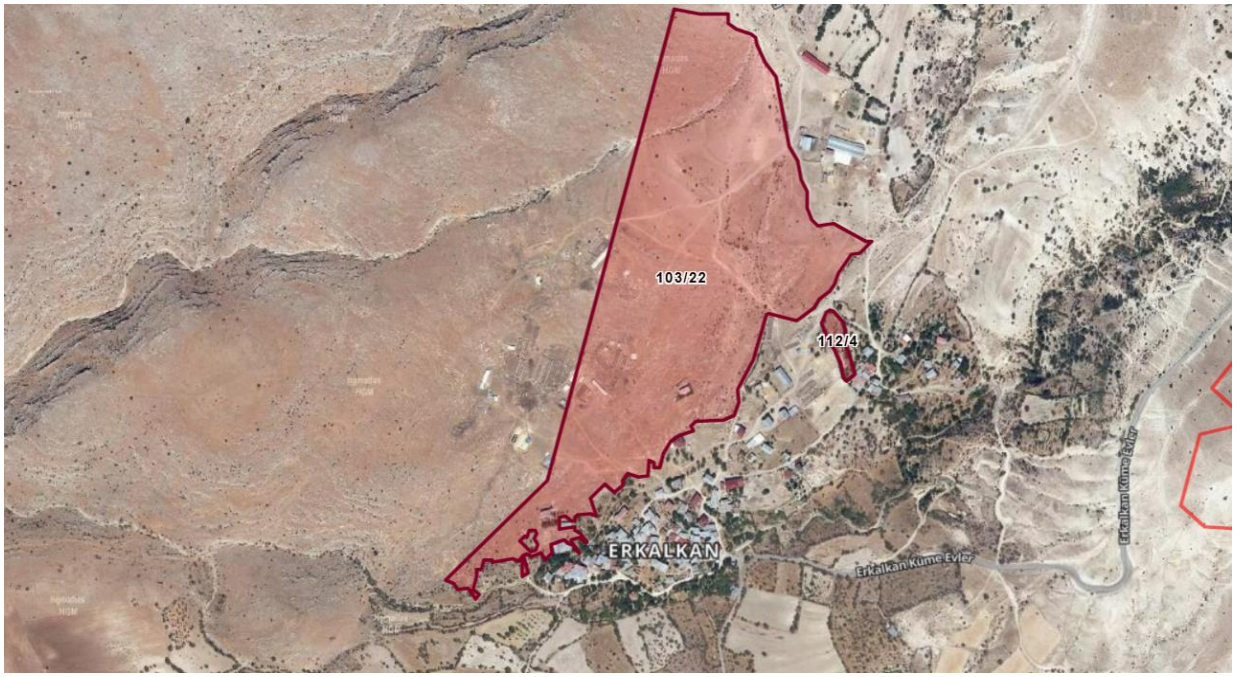


**Figure 15.** *Satellite Image of Plot No. 103/22 in Erkalkan Village*

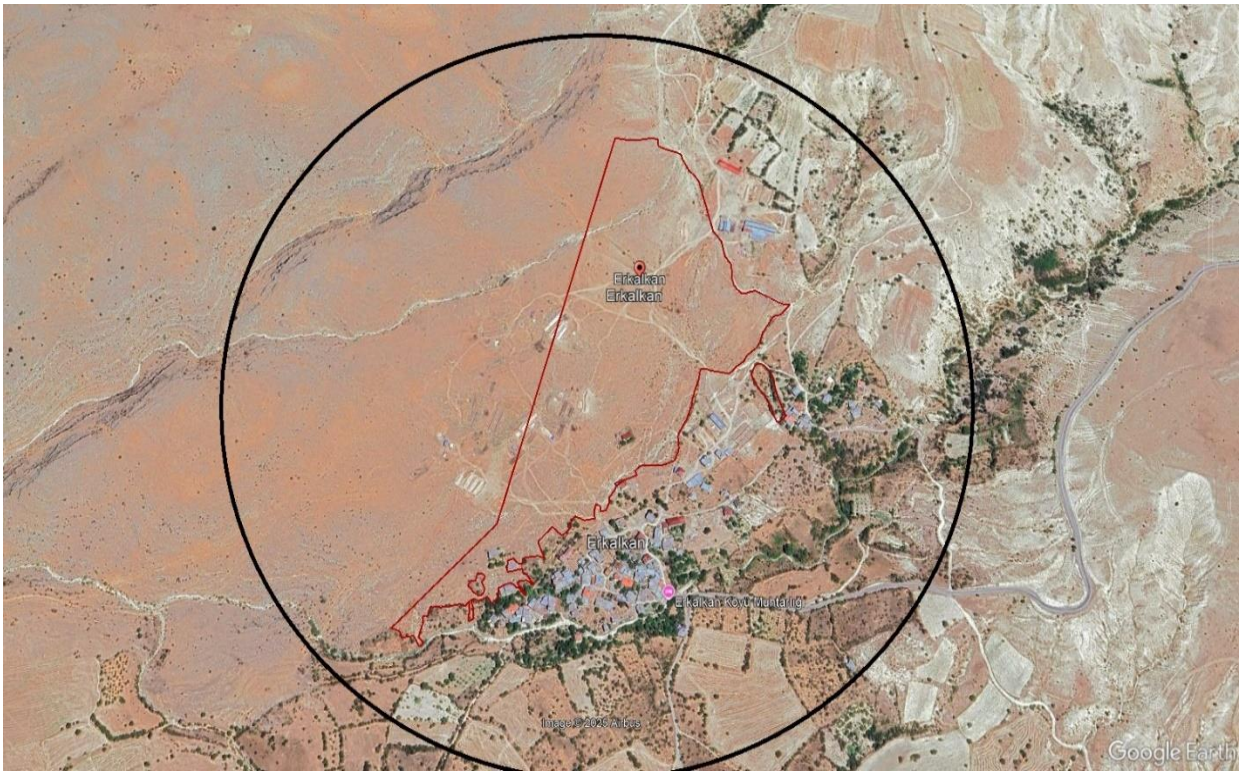


**Figure 16.** *Area of Influence of Plot No. 103/22 in Erkalkan Village*

**Table 9.** *Distances to Settlements / Facilities / Other Structures (Erkalkan Village, Parcel No 103/22)*

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Nearest agricultural land | Adjacent |
| Nearest residential unit | Adjacent |
| Road | Adjacent |
| Erkalkan Village center | 160 |

### 4.1.5 Gedikler Village

The sub-project comprises the construction of one (1) rural housing unit at a new location within Parcel No. 124/1, covering an area of 4.701,40 m², located in Gedikler Village, Çemişgezek District, Tunceli Province, together with the construction of a drinking water supply network and a sealed septic tank. The entitled beneficiary, whose details are provided in Table 1, has granted consent for the construction of the new rural housing unit and will reside in this dwelling upon completion of the Project.The parcel is classified as arable land according to the land registry records.

The project parcel is presented in Figure 17; the existing land uses surrounding the parcel are shown in Figure 18; and the distances to and characteristics of the nearest residential buildings and other facilities are provided in Table 10.


**Figure 17.** *Satellite Image of Plot No124/1 in Gedikler Village*

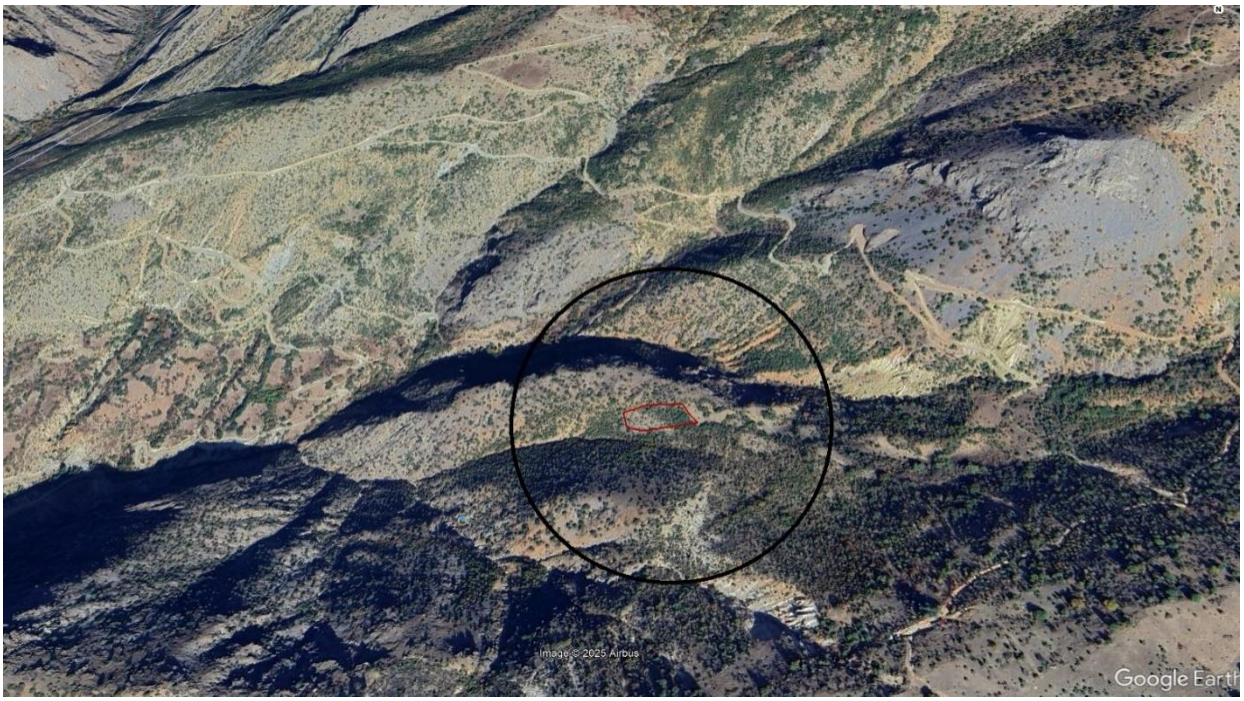


**Figure 18.** *Area of Influence of Plot No. 124/1 in Gedikler Village*

**Table 10.** *Distances to Settlements / Facilities / Other Structures (Gedikler Village – Plot No. 124/1)*

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Nearest residential unit | 1.200 |
| Nearest agricultural land | Adjacent |
| Road | 340 |
| Gedikler Village center | 8.000 |

### 4.1.6 Vişneli Village

The sub-project comprises the resettlement of a total of fifteen (15) rural housing units at locations within Parcels No. 103/15 and 103/16, covering a total area of 22.759,82 m², located in Vişneli Village, Çemişgezek District, Tunceli Province. The sub-project also includes the construction of internal roads and sidewalks within the parcels, street lighting, sewerage and drinking water networks, and sealed septic tanks. The entitled beneficiaries, whose details are provided in Table 1, have granted their consent for the construction of the new rural housing units and will reside in these houses upon completion of the Project. The parcels are classified as agricultural land according to the land registry records.

The project parcels are presented in Figure 19; the existing land uses surrounding the parcels are shown in Figure 20; and the distances to and characteristics of the nearest residential buildings and other facilities are provided in Table 11.


**Figure 19.** *Satellite Image of Plot No 103/15-16 in Vişneli Village*

**Figure 20.** *Area of Influence of Plot No. 103/15-16 in Vişneli Village*

**Table 11.** *Distances to Settlements / Facilities / Other Structures (Vişneli Village – Plot No103/15-16)*

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Nearest residential unit | 470 |
| Nearest agricultural land | 20 |
| Road | 170 |
| Vişneli Village center | 1.000 |

### 4.1.7 Yünbüken Village

The sub-project comprises the in-situ construction of a total of eight (8) rural housing units at a new location within Parcels No. 124/3 and 110/55, covering a total area of 37.560,01 m², located in Yünbüken Village, Çemişgezek District, Tunceli Province. The sub-project also includes the construction of internal roads and sidewalks within the parcels, street lighting, sewerage and drinking water networks, and sealed septic tanks. The beneficiaries, whose details are provided in Table 1, have granted their consent for the construction of the new rural housing units and will reside in these houses upon completion of the Project.

According to the land registry records, the parcels are registered as Treasury land.

The project parcels are presented in Figure 21; the existing land uses surrounding the parcels are shown in Figures 22 and 23; and the distances to and characteristics of the nearest residential buildings and other facilities are provided in Tables 12 and 13.


**Figure 21.** *Satellite Image of Plot No. 124/3 in Yünbüken Village*


**Figure 22.** *Area of Influence of Plot No. 124/3 in Yünbüken Village*

**Table 12.** *Distances to Settlements / Facilities / Other Structures (Yünbüken Village – Plot No. 124/3)*

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Nearest residential unit | 170 |
| Nearest agricultural land | Adjacent |
| Road | Adjacent |
| Yünbüken Village center | 350 |


**Figure 23.** *Area of Influence of Plot No. 110/55 in Yünbüken Village*

**Table 13.** *Distances to Settlements / Facilities / Other Structures (Yünbüken Village – Plot No. 110/55)*

| Residential Units / Facilities / Features | Straight-Line Distance (m) |
|---|---|
| Nearest residential unit | 360 |
| Nearest agricultural land | Adjacent |
| Road | Adjacent |
| Yünbüken Village center | 420 |

## 5. PROJECT CHARACTERISTICS

The key information regarding the rural houses to be constructed and the selected Contractor is provided below:

- The rural houses to be constructed will each have a total floor area of 105.0525 m², including a 14,04 m² veranda for each house.
- The rural houses will consist of three rooms and will be of reinforced concrete construction.
- The maximum number of workers to be employed by the Contractor is estimated to be up to 200.
- The estimated duration for the completion of the construction works is 10 months.
- Site layout plans prepared for each new location have been approved by the MoEUCC General Directorate of Construction Affairs (GDCA); however, these plans may be revised if deemed necessary.
- No concrete batching plant will be established within the scope of the Project. The concrete required for the construction of the rural houses will be supplied from the nearest licensed concrete batching plant.
- Wastewater generated both at the construction site and at the resettlement areas will be collected in sealed (impermeable) septic tanks. More detailed information on the sub-project is provided in the Environmental and Social Screening Form included in Annex 2.

### 5.1. Key Considerations

- The sub-project will safeguard the rights of villagers and will not involve risks related to forced labor, child labor, or other forms of exploitative labor. The workforce will consist of contracted workers and primary supply workers. In addition, local recruitment from nearby settlements will be prioritized to the extent possible. A limited level of labor influx is expected.
- The Contractor will provide all workers with Personal Protective Equipment (PPE) (such as helmets, safety shoes, safety goggles, gloves, etc.) in accordance with the project-level OHS Plan prepared under TERRP. Occupational Health and Safety (OHS) risks arising during construction activities will be managed by applying the hierarchy of controls, and all necessary measures will be defined and implemented as specified in the OHS Plan.
- Both liquid and solid construction waste will be generated as a result of the sub-project activities. Throughout the sub-project implementation period, all anticipated types of liquid and solid waste will be collected and routinely disposed of in compliance with national legislation and World Bank Environmental and Social Standards (WB ESSs).
- An impermeable septic tank will be used for wastewater collection. In addition, connections to the existing infrastructure will be provided for the houses to be constructed on site.
- The Contractor will prepare a Waste Management Plan in accordance with Annex-8 of the ESMF, in order to ensure proper management of waste without causing harm to groundwater, vegetation, soil, or surface water.

- It has been stated that site handover for the sub-projects will take place following the completion of debris removal and demolition activities (if any) by the Tunceli Governorship. The Tunceli Governorship will deliver the land allocated for construction under the sub-projects as vacant. As indicated in Annex-1, the sub-project parcels currently do not contain any debris.
- Due to dust generation and exhaust emissions, project activities are expected to pose a risk to air quality. Nearby residential units may be adversely affected by dust and exhaust emissions. The E&S Screening Forms (see Annex-2) and Section 4.1 include a satellite image showing the nearest settlements. Although the distance between the project parcels and the village center varies, construction activities are expected to adversely affect village residents in terms of noise and dust. However, these impacts are predictable, temporary, and can be easily mitigated through the implementation of control measures. With the mitigation measures to be specified in the C-ESMP prepared by the Consultant, the risks will be reduced to acceptable levels; therefore, the overall risk is considered not significant.
- The presence of contracted and primary supply workers on site may increase the risk of SEA/SH (Sexual Exploitation and Abuse / Sexual Harassment). However, adequate training will be provided to these workers throughout the construction period to ensure that their presence does not negatively affect the lives of the local communities.
- All project personnel will sign a written commitment to comply with the Code of Conduct (CoC).
- Residential units located near the sub-project parcels in the villages may be adversely affected by dust and noise generated during the construction phase. However, these impacts are predictable and temporary and can be readily reduced to acceptable levels through the application of control measures. These impacts will be assessed in detail in Section 6.
- As part of the Stakeholder Engagement Plan (SEP), a Grievance Redress Mechanism (GRM) will be established and implemented throughout the sub-project process. All grievances will be monitored by the Project's social specialists. Grievance boxes will be placed in easily accessible locations such as village headmen's offices (muhtarlık), schools, and mosques to collect feedback, comments, requests, and complaints from Project Affected Persons (PAPs). Additional grievance boxes will be installed at the construction site to collect workers' grievances.
- Additional traffic safety measures will be implemented for the new construction sites. Traffic safety measures for both local communities and workers will be addressed in Section 6 and in the Community Health, Safety, and Traffic Management Plan (CHSTMP).

## 6. INFORMATION DISCLOSURE AND STAKEHOLDER ENGAGEMENT FOR THE ESMP

This Environmental and Social Management Plan (ESMP), prepared under the Türkiye Earthquake Recovery and Reconstruction Project (TERRP) for the Tunceli Çemişgezek Sub-project (P20), covers the villages of Alakuş, Arpaderen, Doğanalan, Erkalkan, Gedikler, Vişneli, and Yünbüken located under Cluster-3 in Çemişgezek District. The clustering was determined based on the physical proximity of the villages to each other, accessibility conditions, and cultural characteristics. Within this scope, a combined Stakeholder Engagement Meeting (SEM) for the villages listed under Cluster-3 was organised on 25 September 2025 at 10:00 at the village house located in Erkalkan Village.

Approximately one week prior to the meeting, the social specialists of the Supervision Consultant contacted the village headmen (muhtars) of Alakuş, Arpaderen, Doğanalan, Erkalkan, Gedikler, Vişneli, and Yünbüken Villages to confirm the date and time of the meeting. In addition, all entitled persons (EPs) were informed by phone and invited to attend the meeting.

The draft ESMPs prepared by the Supervision Consultant was disclosed prior to the meeting by posting it at the village headmen's offices and other locations easily accessible to the public, where it remained disclosed for 10 days (see Annex 3 – ESMP Disclosure Photographs, dated 15/09/2025).

Following the 10-day disclosure period, the Stakeholder Engagement Meeting for the entitled persons and stakeholders of Alakuş, Arpaderen, Doğanalan, Erkalkan, Gedikler, Vişneli, and Yünbüken Villages was held on 25 September 2025 at 10:00 at the village house in Erkalkan Village. The meeting was attended by experts from the Project Implementation Unit (PIU), specialists from the Supervision Consultant, and representatives of the Contractor.

A total of 47 participants, comprising 41 men and 6 women, attended the meeting from Alakuş, Arpaderen, Doğanalan, Erkalkan, Gedikler, Vişneli, and Yünbüken Villages. The Stakeholder Engagement Meeting was conducted face-to-face, with the participation of entitled persons and local community members who may be directly or indirectly affected by the construction activities. On behalf of the Ministry of Environment, Urbanization and Climate Change (MoEUCC), the PIU Social Specialist and PIU Environmental Specialist attended the meeting in person, while other PIU experts participated online.

From the Supervision Consultant (TÜMAŞ), social specialists, environmental specialists, the project manager, the supervision chief, civil engineers, and the OHS specialist attended the meeting. In addition, the technical team of the Contractor was present (see Annex 4 – ESMP Information Meeting Attendance List).

The meeting commenced with presentations delivered by the environmental, social, and OHS specialists of the Supervision Consultant (see Annex 5 – ESMP Information Meeting Presentation). During the presentation, stakeholders were informed about the project scope, environmental and social requirements, and the Grievance Redress Mechanism (GRM).

Project brochures were distributed to all participants (see Annex 7 – Project Brochure and Poster) and were also provided to the village headmen for dissemination to stakeholders who were unable to attend the meeting. Project posters were displayed at the village headmen's offices, on grievance boxes, and at construction sites (see Annex 7 – Project Brochure and Poster).

Following the presentation, questions raised by the participants were addressed by the specialists. The questions and corresponding responses are presented in Table 15. Immediately after the completion of the question-and-answer session, a satisfaction survey was administered to participants to assess their level of satisfaction with the information disclosure activities (see Annex 8 – Satisfaction Survey Evaluation Form)

**Table 14.** *Summary of Issues Raised During Public / Stakeholder Engagement Meetings*

| Questioner | Respondent | Question Raised | Answer |
|---|---|---|---|
| Village Resident | PIU Social Specialist | Is it possible to install underfloor heating before moving into the house? | It is not possible, as the specific house to be allocated will only be determined after the lottery process. |
| Village Resident | PIU Social Specialist | Can I construct a second floor on the house at a later stage? | Only single-storey buildings are permitted under the zoning plan. |

## 7. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN (ESMP)

Table 15 below summarizes the Environmental and Social Management Plan (ESMP), which defines the measures that the construction Contractor is required to comply with during the implementation of the Project activities. The ESMP includes the sub-project–specific anticipated environmental and social (E&S) risks and impacts, as well as the proposed mitigation measures. It also provides detailed information on the project phases during which these risks and impacts are expected to occur, the indicators within the monitoring system, monitoring frequency, assigned responsibilities, and estimated costs. The ESMP comprehensively sets out the strategies for addressing these risks and impacts throughout the project schedule.

The Supervision Consultant will monitor the Contractor's compliance with the specified mitigation measures, the organizational structure, the site-specific Environmental and Social (E&S) management plans, their effectiveness, and the monitoring plan to be implemented by the Contractor. The Contractor will be subject to supervision in order to establish an effective system for the management and monitoring of E&S issues related to the sub-project activities. In addition, the Contractor will review the ESMP prepared by the Consultant and, if deemed appropriate, commit to its implementation. Otherwise, the Contractor is required to prepare a Contractor's ESMP (C-ESMP) and submit it to the Project Implementation Unit (PIU) for approval.

The Contractor will also prepare sub-management plans, including but not limited to the Waste Management Plan (WMP), Pollution Prevention Plan (PPP), Labor Management Plan (LMP), Occupational Health and Safety Plan (OHS Plan), and the Community Health, Safety and Traffic Management Plan (CHSTMP), and submit these documents to the Supervision Consultant for review. The Consultant will then forward the reviewed documents, together with comments, to the PIU for approval.

**Table 15.** *Environmental and Social Management Plan*

| Potential Risks and Impacts | Proposed Mitigation Measures | Phase | | | Monitoring Indicators | Frequency | | | Implementation and Monitoring Responsibility | Estimated Cost |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Planning | Construction | Operation | | Continuous | Monthly | Quarterly | | |
| **General for All Construction Works** | | | | | | | | | | |
| Environmental and Social Management: Inadequate management of environmental and social risks and impacts | The Contractor shall prepare, submit for approval, and subsequently implement the Contractor's Environmental and Social Management Plan (C-ESMP). The C-ESMP shall be submitted prior to the commencement of construction works, and no construction activities under the Project shall commence until the C-ESMP has been reviewed and approved.<br>The C-ESMP shall, at a minimum, include the following site-specific management plans, as outlined in the relevant sections of the TERRP Environmental and Social Management Framework (ESMF):<br>• Occupational Health and Safety (OHS) Plan, including a Risk Assessment Report and an Emergency Response Plan (ERP)<br>• Community Health and Safety (CHS) and Traffic Management Plan (TMP) (may be prepared as a single, integrated plan)<br>• Waste Management Plan (WMP)<br>• Pollution Prevention Plan (PPP)<br>• Chance Finds Procedure (CFP)<br>• Water Supply and Wastewater Management Plan<br>• Labor Management Plan, prepared in accordance with the Project's Labor Management Procedures (LMP)<br>• Grievance Redress Mechanism (GRM) | **X** | **X** | | All sub-management plans shall be approved prior to the commencement of construction and implemented throughout the construction period. | | **X** | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (montoring) | Included in the construction cost |
| | The Contractor shall, prior to the commencement of construction works, employ at least one full-time Class A Occupational Health and Safety (OHS) Specialist, one full-time Environmental Specialist, and one full-time Social Specialist. The Contractor shall submit the curricula vitae (CVs) of these specialists for approval. These specialists shall be present at the construction sites throughout the entire construction period. | **X** | **X** | | Relevant E&S personnel shall be mobilized prior to construction and remain engaged throughout the construction phase. | | **X** | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (montoring) | Included in the construction cost |

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| | The Contractor shall prepare a Training Program and provide training to all workers prior to their commencement of work on site. The training shall cover the basic Environmental, Social, Health and Safety (ESHS) risks associated with the proposed construction activities, as well as workers' roles and responsibilities. The Training Program shall be repeated on a monthly basis. The Contractor's monthly training program shall also include topics related to the Code of Conduct, including, but not limited to, violence and harassment, sexual harassment, sexual exploitation and abuse (SEA) and sexual and/or gender-based violence (GBV), with particular attention to women and children, as well as respectful behavior and interaction with the local community. | **X** | **X** | | The Training Program shall be approved and training shall be provided to all relevant personnel.<br><br>Training records | | **X** | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (montoring) | Included in the construction cost |
| | All permits and approvals required prior to construction shall be obtained, and the necessary facilities shall be established accordingly. Permits that may be required for the Project include, but are not limited to, the following:<br>• Official letters and/or permits to be obtained from the relevant governmental authorities<br>• Official letters and/or permits from Turkish Electricity Distribution Corporation (TEDAŞ) for the relocation of electricity poles, where relocation is required within the relevant parcels<br>• Land use permits (if required)<br>• Waste disposal permits to be obtained from the Municipality<br>• Environmental permits and licenses (if required)<br>• Water use permits to be obtained from DSI (State Hydraulic Works) (if required)<br>• Waste disposal protocols to be executed with licensed facilities and/or municipalities<br>• Excavation (construction spoil) waste disposal protocols to be executed with municipalities<br>• Electricity connection and usage permits | **X** | | | Permits and related official correspondence | **Once prior to the commencement of construction** | | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (montoring) | Included in the construction cost |
| Air Quality:<br><br>Dust generation within the Project area arising from construction activities and emissions from construction equipment and vehicles | During dry periods, regular water spraying shall be applied to exposed work areas in order to minimize dust generation.<br>Construction debris shall be stored in a controlled area, and water spraying shall be applied to reduce dust arising from excavation materials.<br>Crushed stone stockpiles shall be kept covered to prevent fine soil particles from becoming airborne or dispersing due to windy conditions or interference by stray animals. | | **X** | | Visual inspection of air quality control measures<br><br>Maintenance records<br><br>Complaint records | **X** | | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (montoring) | Included in the construction cost |

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| | In the event that pneumatic drilling is conducted during excavation works, dust generated on site shall be continuously suppressed through water spraying and/or the use of dust screens/barriers.<br>Adjacent areas, including access roads, shall be kept free of debris in order to minimize dust emissions.<br>Open burning of construction or waste materials shall not be permitted on site.<br>Construction vehicles and machinery shall not be left idling at construction sites.<br>Operating hours of generators, machinery, equipment, and vehicles shall be reduced to the extent practicable.<br>Vehicle speeds shall be strictly controlled when passing through community areas in order to minimize dust dispersion caused by traffic.<br>Trucks transporting materials shall be covered to reduce dust emissions.<br>As residential buildings are located adjacent to or in close proximity to the construction sites in all villages covered under this ESMP, protective barriers shall be installed where necessary to prevent dust impacts on nearby dwellings.<br>In the event that dust-related complaints are received from the nearest receptors, ambient dust measurements shall be conducted by an authorized laboratory. If measured levels exceed the applicable limit values, additional mitigation measures shall be implemented, including increased wet dust suppression/watering, application of non-toxic dust suppressants, and further reduction of traffic and vehicle speeds. | | | | | | | | | |
| Noise:<br><br>Noise generation arising from construction vehicles and equipment | Construction activities shall be limited to the working hours defined under national legislation, and the activities shall be planned in consultation with nearby communities, so that the noisiest activities are carried out during periods that cause the least disturbance.<br>During operation, the engine covers of generators, air compressors, and other electrically or mechanically powered equipment shall be kept closed, and such equipment shall be located as far as practicable from residential and community areas.<br>All equipment shall be properly maintained to ensure good working condition by implementing maintenance procedures and by installing acoustic enclosures around generators, where necessary, to reduce noise levels.<br>Noise control measures, such as fences, barriers, or deflectors (e.g., silencers for internal combustion engines or the planting of fast-growing trees), shall be used where necessary and feasible.<br>Unnecessary use of alarms, horns, and sirens shall be avoided. | | **X** | | Visual and auditory inspection of noise control measures<br><br>Complaint records | **X** | | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (montoring) | Included in the construction cost |

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| | Project-related transportation through community areas shall be minimized.<br>A buffer zone (e.g., open areas, rows of trees, or vegetation) shall be established between the project site and residential areas to reduce noise impacts on sensitive receptors.<br>In the event that noise-related complaints are received from the nearest receptors, noise measurements shall be conducted. If the measured levels exceed the applicable limit values, additional mitigation measures shall be implemented, such as installing acoustic barriers for mechanical equipment and/or restricting operating hours for specific equipment or activities, as appropriate. | | | | | | | | | |
| Occupational Health and Safety:<br><br>Occupational Health and Safety (OHS) risks arising from unsafe practices and hazardous conditions, including work at height, rotating and moving equipment, electrical safety hazards, and handling of hazardous substances in work areas | When planning activities, the following steps shall be considered in coordination with the Occupational Health and Safety (OHS) Specialist in order to prevent injuries to people:<br>• Construction site: Are there any hazards that can be eliminated, or hazards for which workers and other persons should be adequately warned?<br>• Personnel involved in construction activities: Do all personnel have the necessary skills, training, and physical fitness to safely perform their assigned tasks?<br>• Equipment: Are there checks that can be carried out to ensure that the equipment is in good working condition? Does the equipment require any specific skills, competencies, or certifications to ensure safe operation?<br>• Electrical safety: Are good electrical safety practices applied on site, such as the use of safe extension cords, voltage regulators, and circuit breakers; appropriate labeling of electrical cables for safety purposes; and awareness of potential electrical hazards, including the identification of burning smells from cables? Are voltage detectors, clamp meters, and socket testers available at the construction site? | **X** | | | Visual inspection<br><br>Worker records<br><br>Equipment records | | **X** | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (montoring) | Included in the construction cost |
| | Proper signage and marking of construction sites shall be provided to inform workers of the basic rules and regulations to be complied with on site.<br>The Contractor's Occupational Health and Safety (OHS) Specialist shall conduct a short daily toolbox talk to inform construction workers about the OHS risks associated with the specific construction activities to be carried out on that particular day.<br>The Contractor shall ensure a safe working environment for workers and, prior to the commencement of construction activities, shall provide appropriate Personal Protective Equipment (PPE) (including, but not limited to, helmets, gloves, dust masks, safety goggles, safety | | **X** | | Visual inspection of control measures<br><br>OHS records<br><br>Worker records<br><br>Incident statistics and records | **X** | | | Contractor (Implementation)<br>Supervision Consultant (Control)<br>PIU (montoring) | Included in the construction cost |

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| | harnesses, and safety boots), in accordance with international good practice and Turkish legislation.<br>All activities shall be implemented in compliance with the Occupational Health and Safety Law (Official Gazette dated 30 June 2012 and numbered 28339) and its secondary legislation, as well as the World Bank Environmental, Health and Safety (EHS) Guidelines.<br>The Contractor shall immediately notify the Project Implementation Unit (PIU) of the MoEUCC, through the Supervision Consultant, of any serious incident that may result in significant adverse impacts on the environment, affected communities, the public, or workers.<br>The MoEUCC PIU shall then notify the World Bank (WB) and the Agence Française de Développement (AFD) of any serious incident within 48 hours, and shall submit an incident investigation report, including a root cause analysis and a corrective action plan, to the WB and AFD within 30 days. | | | | Records of worker grievances | | | | | |
| | The work site shall be kept clean on a daily basis and shall be free of spills and debris.<br>First-aid kits containing basic medical supplies (e.g. bandages, antibiotic ointment, etc.) shall be available at construction sites and shall be inspected regularly (on a monthly basis).<br>Safety guidelines shall be provided for the storage, handling, and distribution of hazardous substances, with the aim of minimizing misuse, spills, and the risk of accidental human exposure.<br>Corrosive liquids and other toxic materials shall be stored in properly sealed containers and kept in secure, designated areas for appropriate collection and disposal.<br>Structural openings shall be adequately covered and protected.<br>Loose or lightweight materials stored on rooftops or open ground surfaces shall be properly secured.<br>Hoses, electrical cables, welding leads, and similar equipment shall not be routed across frequently used walkways or work areas.<br>All works shall be suspended during heavy rainfall or in the event of any emergency situation.<br>For construction activities involving work at height, the following measures shall be applied:<br>• Perform as much work as possible at ground level.<br>• Do not allow persons with the following personal risk factors to carry out work at height: visual or balance impairments; certain chronic conditions such as osteoporosis, diabetes, arthritis, or Parkinson's disease; use of certain medications (e.g. sleeping pills, sedatives, blood pressure medications, or antidepressants); and a recent history of falls (e.g. within the last 12 months). | | **X** | | Visual inspection of control measures<br><br>OHS records<br><br>Worker records<br><br>Incident statistics and records<br><br>Records of worker grievances<br><br>Training records for workers assigned to specific tasks such as working at height, electrical works, etc. | **X** | | | Contractor (Implementation)<br>Supervision Consultant (Control)<br>PIU (montoring) | Included in the construction cost |

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| | • Allow only personnel with adequate skills, knowledge, and experience to perform work at height.<br>• Verify that the location where work at height will be conducted (e.g. roofs) is structurally safe.<br>• Take appropriate precautions when working on or near fragile surfaces.<br>• Immediately remove oil, grease, paint, and dirt to prevent slipping.<br>• Provide fall protection measures, such as simple scaffolding, guardrails, or edge protection systems, for work at height.<br>Non-standard, improvised equipment, such as handmade ladders or scaffolding, shall not be used at construction sites.<br>Ladders shall be factory-manufactured and compliant with EN 131, and mobile scaffolding shall comply with EN 1004.<br>Approval from the Supervision Consultant's OHS Specialist shall be obtained for all scaffolding and ladders to be used on site.<br>The Contractor shall employ trained and certified operators for the safe operation of specialized equipment, such as forklifts, including safe loading and unloading operations. | | | | | | | | | |
| | Mobile equipment with restricted rear visibility shall be equipped with audible reverse alarms. A banksman/flagman shall be assigned to each mobile equipment operator to guide equipment movements.<br>The Contractor shall clearly mark all energized electrical equipment and lines with warning signs. The Contractor shall inspect all electrical cords, cables, and portable power tools for worn or exposed wiring and shall comply with the manufacturer's recommendations regarding the maximum allowable operating voltage for portable hand tools.<br>Residual Current Devices (RCDs) shall be installed on electrical panels. RCDs used on main distribution boards shall have a rating of 300 mA, and RCDs used on secondary distribution boards shall have a rating of 30 mA.<br>Incidents, including trainings conducted and near-miss events, as well as significant incidents (such as fatalities, lost time injuries, spills, fires, etc.), shall be recorded and documented.<br>A sufficient number of fire-fighting equipment, in ready-to-use condition, shall be available at both the construction site and the camp area. | | **X** | | Visual inspection of control measures<br><br>OHS records<br><br>Worker records<br><br>Incident statistics and records<br><br>Records of worker grievances | **X** | | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (montoring) | Included in the construction cost |
| Community Health and Safety: | The construction area shall be fenced off using ropes or similar materials, and material stockpiles/storage areas shall be kept away from the public. Warning signs, including those for unsafe areas, shall | | **X** | | Visual inspection of control measures | **X** | | | Contractor (Implementation) | Included in the construction cost |

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| Community health and safety risks associated with construction activities, including traffic- and road-related risks arising from increased traffic volumes and the movement of heavy construction machinery, as well as risks to the public due to inadequate construction and traffic management | be posted. Children shall not be allowed to play within construction areas.<br>Upon completion of construction works, all borrow pits, excavations, and areas with stagnant water shall be backfilled in order to prevent waterborne diseases and potential drowning risks.<br>Vehicle speeds shall be strictly controlled, particularly when passing through settlements or near schools, playgrounds, health centers, or other sensitive receptors.<br>Where schoolchildren are present nearby, traffic safety personnel shall be assigned to manage traffic during school hours.<br>The project site shall be adequately illuminated during nighttime.<br>The surrounding construction area shall be kept clean, and waste dumping shall not be permitted. Broken glass shall be removed immediately to prevent fire hazards.<br>During the transportation of hazardous materials to the site, safety rules shall be strictly followed in order to minimize the risk of spills due to traffic accidents and accidental human exposure.<br>Regular maintenance of vehicles and equipment shall be carried out to minimize the risk of serious accidents resulting from equipment malfunction or premature failure.<br>Using appropriate communication tools and methods (e.g. online/virtual and/or physical means) in areas accessible to all stakeholders (including work areas), the local community shall be informed about the planned works, including labor influx, as well as measures taken regarding communicable diseases in disaster or post-disaster contexts (e.g. COVID-19).<br>In the event of any outbreak, epidemic, or pandemic, including COVID-19 or other infectious/communicable diseases, all instructions, guidelines, and recommendations issued by the Ministry of Health, the Ministry of Family and Social Services, the Ministry of Labor and Social Security, and the World Health Organization (WHO) shall be followed, and all necessary Occupational Health and Safety (OHS) and Community Health and Safety (CHS) measures shall be implemented for both workers and workplaces. In addition, all construction activities shall be carried out in accordance with World Bank (WB) guidelines to minimize the risk of COVID-19 transmission during construction works.<br>The needs of persons with disabilities shall be taken into account in all traffic management and traffic diversion arrangements.<br>The Contractor shall ensure that the construction site is properly secured and that construction-related traffic is appropriately managed, including adequate route planning. This shall include, but not be limited to, the following measures: | | | | Traffic accident records<br><br>Complaint records | | | | Supervision Consultant (Control)<br>PIU (montoring) | |

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| | • Signage, warnings, barriers, and traffic diversions: The site shall be clearly visible, and the public shall be adequately warned of all potential hazards.<br>• A traffic management system and training of personnel, particularly for site access points and areas with heavy traffic near the site. Safe pedestrian crossings and walkways shall be provided where construction traffic obstructs pedestrian movement.<br>• Adjustment of working hours in accordance with local traffic conditions (e.g. avoiding major transportation activities during peak hours or periods of animal movement).<br>• Active traffic management, where necessary, by trained and clearly identifiable personnel on site to ensure the safe and convenient passage of the public.<br>• The Supervision Consultant shall provide training to all Contractor personnel on Gender Equality, Gender-Based Violence (GBV), and Sexual Exploitation and Abuse (SEA), and shall explain the Code of Conduct in detail. All personnel employed under the Project shall sign a written commitment confirming their compliance with the Code of Conduct.The sub-project shall enforce a Code of Conduct for all site personnel and shall establish a Grievance Redress Mechanism (GRM) for project workers. | | | | | | | | | |
| Land Acquisition and Resettlement: Involuntary land acquisition and the relocation of community members to new resettlement areas, if required, including potential impacts on livelihoods. | As there is no land acquisition or expropriation required for land use under the Project, the preparation of a Resettlement Action Plan (RAP) is not required. Nevertheless, the Contractor shall carry out its activities in coordination with the Supervision Consultant.<br>World Bank Environmental and Social Standard 5 (WB ESS5) shall be followed in compliance with Turkish legislation.<br>No physical or economic displacement or resettlement is anticipated under the Project. However, in the event that any damage to third-party assets, including land, crops, or other properties, occurs during construction activities, the Contractor shall compensate such damages in accordance with the requirements of WB ESS5, based on the principle of full replacement cost.<br>Stakeholder categories, particularly vulnerable groups, shall be closely monitored, and the Stakeholder Engagement Plan (SEP) and the Grievance Redress Mechanism (GRM) shall be implemented as required.. | **X** | **X** | | Complaint records<br><br>Records of compensation payments (if any) | | **X** | | Contractor (Implementation)<br><br>Supervision Consultant (Control and, where necessary, providing support to the Contractor)<br>PIU (Monitoring) | Included in the construction cost |
| Water Quality and Wastewater: | Appropriate erosion and sediment control measures, such as straw bales and/or silt fences, shall be implemented on site to prevent the | | **X** | | Visual inspection of control measures | **X** | | | Contractor (Implementation) | Included in the |

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| Water pollution in nearby surface waters due to wastewater and wastes generated at the construction site as a result of construction activities. | transport of sediment off-site and to avoid excessive turbidity in nearby surface waters.<br>On-site storage or disposal of generated wastewater shall be minimized.<br>To prevent potential adverse impacts on surface waters, the temporary or permanent disposal of waste and the discharge of untreated wastewater into or near surface water bodies are strictly prohibited.<br>No contaminated materials, solid waste, toxic substances, or hazardous materials shall be stored, spilled, discharged, or disposed of in water bodies or dry stream beds for dilution or disposal purposes.<br>Waste management and environmental awareness training shall explicitly include and emphasize these requirements.<br>Construction vehicles and machinery shall be washed only in designated areas where runoff will not contaminate natural surface waters.<br>Wastewater shall be collected in a sealed septic tank in accordance with the "Regulation on Pits to Be Constructed in Locations Where Sewer System Construction Is Not Possible" published in the Official Gazette dated 09.03.1971 and numbered 13783. Temporary septic toilet units may also be used for this purpose. Septic tank wastewater shall be periodically removed by vacuum trucks and disposed of under a protocol to be executed with the relevant municipality that operates a licensed wastewater treatment plant (WWTP). The protocol shall be submitted to the PIU.<br>Project activities shall not affect the availability of water for drinking and hygiene purposes.<br>The natural flow of surface waters shall not be obstructed or diverted in a manner that could result in the drying of riverbeds or the flooding of settlements.<br>Concrete works shall be kept separate from watercourses, and concrete mixing activities shall be conducted in areas isolated from drainage paths leading to surface waters. | | | | Septic tank disposal records (if any)<br><br>Wastewater quality monitoring records (if any)<br><br>Complaint records | | | | Supervision Consultant (Control)<br>PIU (Monitoring) | construction cost |
| Soil and Groundwater Quality:<br>Soil and groundwater contamination and soil erosion resulting from improper waste management practices and accidental spills. | For proper waste management, the mitigation measures specified under the "Solid and Hazardous Wastes" section shall be implemented. Washing of residual (leftover) concrete from concrete mixers on the construction site, its surroundings, or along site access roads shall not be permitted. Concrete mixer drivers shall receive relevant training on these requirements.<br>Hazardous chemicals and materials shall be stored in a designated storage area to prevent spills and overturning.<br>Containers holding partially used chemical substances shall be properly sealed and kept closed when not in use. | | **X** | | Visual inspection of control measures<br><br>Incident records<br><br>Training records<br><br>Complaint records | **X** | | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (Monitoring) | Included in the construction cost |

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| | In the event of any spill of hazardous substances or hazardous waste, spill prevention and containment measures shall be implemented to limit the area of exposure. Workers who may be required to respond to such incidents shall receive appropriate training on spill emergency response.<br>Appropriate spill kits shall be placed at designated locations within the construction site.<br>Construction activities shall be scheduled during the dry season, where feasible.<br>The length and steepness of slopes shall be designed and minimized. Mulch, grass, or compacted soil shall be used to stabilize exposed areas.<br>Following the completion of works, topsoil shall be promptly applied to construction areas, and these areas shall be revegetated (e.g. by planting grass, fast-growing plants, shrubs, and/or trees).<br>Channels and drainage ditches shall be designed for post-construction runoff, including steep channels and slopes, using appropriate measures (e.g. stone lining, geotextiles such as jute mats, or similar erosion control materials). | | | | | | | | | |
| Solid and Hazardous Wastes:<br>Environmental and social risks arising from the improper management of wastes generated from construction activities, including construction and demolition waste, hazardous waste, biodegradable waste, recyclable waste, and non-hazardous waste. | Wastes shall be managed in accordance with the waste management hierarchy (prevention, reduction, reuse, recycling, recovery, and disposal), and training shall be provided to personnel to raise awareness on proper waste management practices.<br>Wastes shall be segregated as recyclable, hazardous, and non-hazardous wastes. Construction wastes shall be segregated separately from general municipal waste, organic waste, liquid waste, and chemical waste, and shall be stored in appropriate containers. Non-hazardous wastes, including inert and biodegradable wastes and recyclable wastes, shall be collected separately, and particular care shall be taken to ensure that hazardous wastes do not mix with other waste streams.<br>The collection, temporary storage, and transportation of wastes shall be carried out to properly designated and controlled licensed disposal sites/facilities (e.g. excavation spoil disposal areas, sanitary landfills, recycling/recovery facilities). An official confirmation letter stating that these wastes will be accepted by the licensed facilities shall be submitted to the PIU.<br>The temporary waste storage area (to be established within the construction site) shall be located on an impermeable surface, covered with a roof, and equipped with an appropriate drainage system, spill kits, and adequate fire-fighting equipment. Wastes shall be temporarily stored in separate compartments according to their types | | **X** | | Visual inspection of control measures<br><br>Waste generation and disposal records<br><br>Training records<br><br>Complaint records | **X** | | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (Monitoring) | Included in the construction cost |

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| | to prevent adverse reactions, and each compartment shall be clearly labeled with waste codes.<br>With the exception of medical waste, hazardous wastes shall be temporarily stored for a maximum period of six (6) months, and non-hazardous wastes for a maximum of one (1) year. If 1,000 kg or more of hazardous waste per month is generated, a temporary storage permit shall be obtained from the Ministry of Environment, Urbanization and Climate Change.<br>Excavation (spoil) materials shall, to the extent practicable, be reused for backfilling, and recovery and other reuse options shall be duly assessed. Surplus excavation materials shall be transported separately by licensed vehicles to the existing licensed excavation waste disposal site(s) designated by the relevant local authorities within the district/region and disposed of accordingly.<br>Municipal solid wastes shall be collected by the relevant municipality under an agreed protocol. Hazardous wastes shall be transferred to licensed disposal facilities through licensed waste transport companies, and recyclable wastes shall be transferred to the relevant licensed recycling/recovery facilities. All protocols shall be submitted to the PIU.<br>On-site storage of wastes prior to final disposal (including excavated soil from foundation works) shall be located at least 300 meters away from rivers, streams, lakes, and wetlands.<br>A designated and secure area shall be used for fuel refueling and the handling of other toxic liquids, located away from residential areas and at least 50 meters from drainage structures and 100 meters from significant water bodies, preferably on a hard, non-porous surface.<br>Workers shall be trained in the proper transfer and use of fuels and other substances, and the use of appropriate personal protective equipment (PPE) (including gloves, boots, aprons, goggles, and other protective equipment) shall be mandatory when handling highly hazardous materials.<br>Small quantities of maintenance-related wastes, such as oily rags, oil filters, and used oils, shall be collected and disposed of appropriately. Used oils shall never be discharged onto the ground or into watercourses, as they may contaminate soil and groundwater, including drinking water aquifers.<br>Upon decommissioning of each construction site, all excavation materials and wastes shall be fully removed and the site cleaned.<br>All records related to waste generation and disposal shall be maintained and archived.<br>Wherever feasible, the Contractor shall reuse and recycle suitable and practicable materials. | | | | | | | | | |

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| | Temporary on-site storage of all hazardous or toxic substances shall be carried out in secure containers bearing labels that clearly indicate composition, properties, and usage information. Hazardous substance containers shall be placed within secondary containment systems to prevent leaks and spills.<br>The use of unapproved toxic materials, including lead-based paints and unbonded asbestos, is strictly prohibited. | | | | | | | | | |
| Stakeholder Engagement and Grievance Mechanism: Construction-related complaints and temporary disturbances within the local community, including affected and relevant property owners. | The relevant mitigation measures proposed in the Stakeholder Engagement Plan (SEP) shall be implemented and monitored.<br>Early engagement and effective communication shall be carried out with the local communities (including persons with special needs) that may be affected by the activities of the Contractor and the Supervision Consultant.<br>A liaison program shall be implemented during the construction phase to ensure monitoring of the local environment and protection of community well-being.<br>The Supervision Consultant shall appoint designated Community Liaison Officer(s) responsible for engagement with the community. These person(s) shall serve as the first point of contact with the community to provide relevant information and address issues of concern.<br>The locations of grievance boxes shall be accessible to all, particularly disadvantaged and vulnerable groups such as women, children, and persons with disabilities. In addition, the needs, requests, and grievances of the local community and project-affected persons shall be collected through stakeholder consultation meetings and via a designated telephone number (through WhatsApp, direct messaging, and direct calls). Accordingly, the Project Grievance Redress Mechanism (GRM) shall operate through GRM forms and the opening and closing of grievances.<br>The names, contact telephone numbers, and e-mail addresses of all site personnel responsible for supervision and management of the works shall be displayed on the site information board.<br>Following the issuance of the planning permit, persons likely to be affected by the construction of the rural houses shall be informed through the neighborhood/village headman (muhtar). Consultation shall be maintained in accordance with the relevant Environmental and Social (E&S) risk management instruments.<br>Outside normal working hours, security personnel shall act as the primary point of contact through the designated telephone number. Where necessary, security personnel shall notify the Community Liaison Officer(s) (24-hour availability). | **X** | **X** | | Complaint records<br><br>Stakeholder engagement records | | **X** | | PIU (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (Monitoring) | Included in the construction cost |

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| | All workers shall sign and commit to the Code of Conduct and shall receive training to manage potential adverse impacts related to social cohesion and the risks of Sexual Exploitation and Abuse and Sexual Harassment (SEA/SH).<br>All grievances received shall be recorded, fully investigated, and responded to promptly, together with appropriate recommendations for corrective action. Grievances shall be documented and reported to the Contractor, the Supervision Consultant, and the PIU.<br>Public information boards displaying the contact details of the Community Liaison Officer(s) shall be installed at publicly accessible locations and site entrances | | | | | | | | | |
| Labor and Working Conditions:<br>Risks associated with potential labor influx and the presence of worker camps (including accommodation conditions, risks of child labor, gender-based violence and harassment, human rights risks, etc.), as well as other labor-related issues. | The relevant measures set out in the Labor Management Plan (LMP), to be prepared in accordance with the Project's LMP, shall be implemented and monitored.<br>Workers shall be provided with clear and understandable information and documentation regarding their terms and conditions of employment, including their rights under national labor and employment legislation, as well as any applicable collective bargaining agreements.<br>Workers shall be paid regularly in accordance with national legislation and the Project LMP.<br>Workers shall be granted weekly rest days, annual leave, and sick, maternity, and family leave in line with national legislation and the Project LMP.<br>Workers shall receive timely written notice regarding termination of employment and severance pay entitlements, where applicable.<br>Workers shall be employed based on the principles of equal opportunity and fair treatment, and no discrimination shall be practiced in any aspect of the employment relationship.<br>Project workers, including specific worker groups such as women, persons with disabilities, migrant workers, and working-age young persons, shall be provided with appropriate protection and assistance measures in accordance with World Bank Environmental and Social Standard 2 (WB ESS2). This process shall be implemented in line with the Project LMP.<br>Workers shall be allowed to form and join workers' organizations, engage in collective bargaining, or participate in alternative mechanisms, in accordance with national law.<br>Children under the age of 18 shall not be employed or engaged by the Contractor in connection with this sub-project.<br>Forced labor, defined as any work or service not voluntarily performed and exacted from a person under threat of penalty, shall not be used in connection with this sub-project. | | **X** | | Visual inspection of control measures<br><br>Health records<br><br>Worker records<br><br>Training records<br><br>Records of worker grievances | **X** | | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (Monitoring) | Included in the construction cost |

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| | A Workers' Grievance Redress Mechanism (Workers' GRM) shall be established by the Contractor at the construction site to enable all workers to raise workplace concerns. Contact details of the Workers' GRM shall be made available to all workers.<br>All workers shall receive training at recruitment and prior to commencement of works on their rights under national labor and employment legislation, as well as on their rights and procedures under the Workers' GRM.<br>The Code of Conduct shall be shared with project workers during recruitment. All workers shall be required to commit to and sign the Code of Conduct and the related documentation at the time of employment.<br>Movement in and out of the construction site will be controlled, and unauthorized access to the site will be prevented.<br>The Contractor will pay particular attention to workers with underlying health conditions or those otherwise at risk and will ensure that all workers are fit for duty prior to starting work. Mandatory health check reports will be prepared for all employees during recruitment. The Contractor will inform workers about measures to be taken against epidemic and contagious diseases.<br>The electrical system at the camp site must have sufficient capacity. The Contractor will provide workers with safe drinking water, adequate toilet facilities, shelters, rest areas, and dining areas. Regular cleaning and pest control will be conducted at camp sites. Samples of food brought to or prepared at the construction site must be collected, and a report confirming the potability of drinking water must be available. Accommodations for workers must provide at least 4 square meters per person. Sufficient showers and toilets must be provided for employees, with one facility per 15 workers. Tankless electric water heaters will not be used in showers; central heating or storage water heaters must be provided.<br>The Contractor will provide first aid kits or health facilities containing bandages, antibiotic creams, etc., and will designate and train sufficient workers to provide first aid in medical emergencies. | | | | | | | | | |
| Cultural Heritage: Chance finds. | No damage shall be caused to cultural or historical sites.<br>No damage shall be caused to assets, values, or heritage of material or intangible significance to the local community.<br>In the event that any cultural heritage or property is encountered as a chance find during construction activities (in particular during | | **X** | | Chance find records | | **X** | | Contractor (Implementation) | Included in the construction cost |

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| | excavation and earthworks), the Chance Finds Procedure (CFP) shall be implemented in accordance with Annex 9 of the Project Environmental and Social Management Framework (ESMF). | | | | | | | | Supervision Consultant (Control)<br>PIU (Monitoring) | |
| Biodiversity:<br>Potential risks to flora and fauna arising from construction activities and improper waste management. | If tree cutting is required in the new resettlement areas, at least twice the number of trees removed shall be replanted in a location designated by the General Directorate of Forestry, preferably within the nearby area.<br>For privately owned trees, all activities shall be carried out only after obtaining written consent from the owner. | **X** | | | Records of tree planting activities | | | **X** | PIU (monitoring) | Included in the construction cost |
| | No tree cutting or damage to vegetation shall occur outside the construction area.<br>Hunting, fishing, trapping of wildlife, or collection of plants is strictly prohibited. | | **X** | | Visual inspection of control measures | **X** | | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br>PIU (Monitoring) | Included in the construction cost |
| ***Specific to Rural Road Construction Works*** | | | | | | | | | | |
| Specific to Rural Road Construction Works | Road construction shall be avoided on unstable soils, steep slopes, and along the banks of nearby watercourses. Where no feasible alternatives exist for road alignments, additional mitigation measures shall be implemented (see the slope protection measures section below). | **X** | | | Design approval | **Once during the design phase** | | | PIU (Monitoring) | |
| | The transport and disposal of all construction wastes, including excavated soils, to approved disposal sites located more than 300 meters away from watercourses shall be strictly controlled.<br>Erosion control measures shall be implemented prior to the onset of the rainy season, preferably immediately after construction activities. Such measures shall be maintained and reapplied until vegetation is successfully established.<br>Sediment control structures shall be installed where necessary to slow down or redirect surface runoff and to trap sediments until vegetation cover is established. | | **X** | | Visual inspection of control measures | **X** | | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br><br>PIU (Monitoring) | Included in the construction cost |
| Slope / Embankment Protection | Slopes shall be protected against erosion and landslides by implementing the following measures:<br>• Native species and fast-growing grasses shall be used on erosion-prone slopes. These grasses help stabilize slopes and protect soil from erosion caused by rainfall and surface runoff. Species that are locally available and characterized by good growth performance, dense ground cover, and deep root systems shall be selected for stabilization.<br>• Preventive/diversion ditches shall be constructed, particularly in areas subject to high-intensity rainfall and | | **X** | | Visual inspection of control measures | **X** | | | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br><br>PIU (Monitoring) | Included in the construction cost |

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| | where slopes are exposed. Such ditches divert surface runoff away from erodible areas and slopes before it reaches steeper gradients, thereby reducing potential surface erosion.<br>• On steep slopes, benching or terracing shall be applied to provide additional stability.<br>• A retaining wall shall be installed at the toe of unstable slopes. Drainage weep holes shall be incorporated into the wall to allow drainage of the road subgrade and to relieve hydrostatic pressure acting on the wall.<br>• In addition to slope protection, rock armoring (riprap) may be used where appropriate.<br>• Adequately sized drainage channels shall be provided to prevent uncontrolled discharge of water from the road surface and to direct runoff away from slopes. | | | | | | | | | |
| ***Specific to Wastewater Systems*** | | | | | | | | | | |
| General Considerations for Septic Tanks (If used by the Contractor during the construction phase) | Septic tanks shall be equipped with a ventilation pipe to prevent the accumulation of gases within the chamber, and a manhole (access opening) shall be provided to allow access to the tank when required. Septic tanks shall be designed as two-compartment systems: the first compartment for sludge settlement, and the second compartment for aerobic treatment. These chambers generally provide improved wastewater treatment performance. Partially treated septic effluent may contaminate groundwater and surface waters. Where this is not feasible, septic tanks shall be made fully sealed and designed in accordance with the "Regulation on Pits to Be Constructed in Locations Where Sewer System Construction Is Not Possible" published in the Official Gazette dated 19.03.1971 and numbered 13783. | **X** | | | Design approval | **Tasarım sırasında bir kez** | | | P ıu (Monitoring) | Included in the construction cost |
| | Septic wastewater shall not be discharged into open sewers or other surface waters. Wastewater shall be treated prior to final disposal. This may be achieved through:<br>(i) a subsurface infiltration field,<br>(ii) a vegetated filtration/infiltration area, or<br>(iii) a soakaway pit.<br>Where these options are not feasible, septic wastewater shall be periodically removed by vacuum trucks and disposed of under a protocol to be executed with the relevant municipality operating a licensed wastewater treatment plant (WWTP).<br>Community awareness shall be raised to ensure that septic tanks are periodically inspected and emptied every few years, as required, to maintain proper operation and prevent environmental and public health risks. | | | **X** | Wastewater disposal records (if any)<br><br>Records of community awareness activities<br><br>Complaint records | | **X** | | Local authorities (Village Head (Mukhtar), Municipality) | Included in the construction cost |

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| General Considerations for Package Wastewater Treatment Plants (PWTPs)<br>(If used by the Contractor for construction workers during the construction phase) | Where Package Wastewater Treatment Plants (PWTPs) are to be used for the treatment of domestic wastewater generated by workers, design approval of the package plants shall be obtained prior to construction.<br>PWTP operation permits and discharge permits (Environmental Permits) shall be obtained from the relevant competent authorities prior to commissioning.<br>The PWTPs shall be operated in accordance with applicable requirements, and treated effluent quality shall comply with national wastewater discharge standards. | **X** | | **X** | Design approval<br><br>Environmental permits<br><br>Wastewater quality analysis | **Once during the design phase and once prior to operation** | Contractor (Implementation)<br><br>Supervision Consultant (Control)<br><br>PIU (Monitoring) | Included in the construction cost |

## 8. ANNEXES

### Annex 1. Site Photographs

### Alakuş Village:

**Fotoğraf-1:** *Project Area Image of Alakuş Village, Çemişgezek District*

## Arpaderen Village:

**Fotoğraf-2:** *Project Area Image of Arpaderen Village, Çemişgezek District*

**Doğanalan Village:**

**Fotoğraf-3:** *Image of Parcel No. 1/138 in Doğanalan Village, Çemişgezek District*

**Erkalkan Village:**

**Fotoğraf-4:** *Project Area Image of Erkalkan Village, Çemişgezek District*

**Vişneli Village:**

**Fotoğraf 5:** *Project Area Image of Vişneli Village, Çemişgezek District*

**Yünbüken Village:**

**Fotoğraf-6:** *Project Area Image of Yünbüken Village, Çemişgezek District*

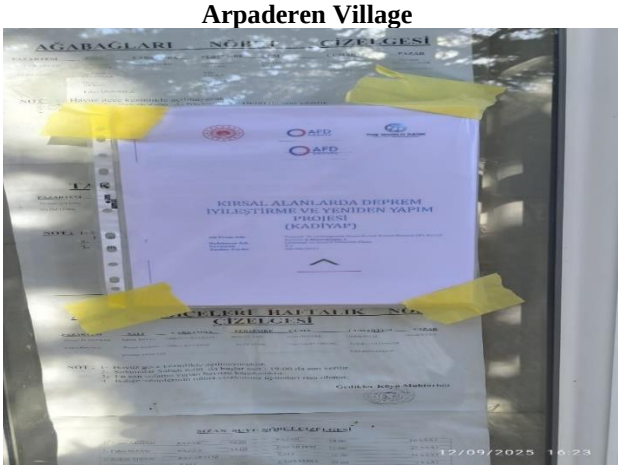
**Annex 2. Environmental and Social (E&S) Screening Form**
(Submitted to the PIU as separate documents for each village.)

**Annex 3. Photographs of ESMP Public Disclosure (15/09/2025)**


**Alakuş Village**


**Arpaderen Village**


**Doğanalan Village**




**Gedikler Village**

**Vişneli Village**


**Erkalkan Village**

**Yünbüken Village**

**Annex 4. Participant List**

In accordance with the Law No. 6698 on the Protection of Personal Data, the explicit personal identification information of the participants cannot be disclosed. However, records related to the meeting are maintained and securely archived by the PIU.

## Annex 5. Stakeholder Engagement Meeting PowerPoint Presentation

### Tunceli İli Çemişgezek İlçesi Kırsal Konut Projesi (35 Kırsal Konut) Küme-3 Paydaş Katılım Toplantısı

### KADİYAP HAKKINDA TEMEL BİLGİLER

**KADİYAP** Kırsal Alanlarda Deprem İyileştirme ve Yeniden Yapım Projesi

**Proje sahası** Malatya, Elazığ, Adıyaman, Kahramanmaraş, Şanlıurfa, Kilis, Gaziantep, Tunceli, Bingöl

**Projenin Amacı** Şubat 2023 depremlerinden etkilenen bölgelerde kırsal alanlarda yaşayan insanların yaşam koşullarını yeniden tesis etmek, temel belediye ve sağlık hizmetlerine erişimi sağlamak ve depreme dirençli kırsal konutlar inşa etmek.

**Kreditör (Krediyi veren kurum/kuruluş)** Dünya Bankası ve Fransız Kalkınma Ajansı

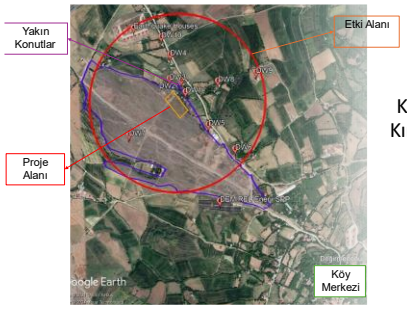
**Borçlu:** Hazine ve Maliye Bakanlığı

**İdare (Proje yürütücüsü)** Çevre, Şehircilik ve İklim Değişikliği Bakanlığı

**Müteahit:** İnşaat işini yapan firma

**Müşavir:** Müteahitin faaliyetlerini denetleyen firma

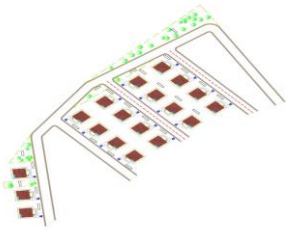
- Proje'nin finansmanı Dünya Bankası tarafından sağlanmakta olup Hazine ve Maliye Bakanlığı garantörlüğünde Çevre, Şehircilik ve İklim Değişikliği Bakanlığı Yapı İşleri Genel Müdürlüğü tarafından yürütülmektedir.
- Projenin inşaat ihalesini ONFA İnşaat almıştır.
- Proje'nin İnşaat Müşavirliği'ni TÜMAŞ TÜRK MÜHENDİSLİK MÜŞAVİRLİK VE MÜTEAHHİTLİK A.Ş. üstlenmektedir.
- Proje kapsamında Tunceli ilinde Afet ve Acil Durum Yönetimi Başkanlığı tarafından tespit edilen hak sahipleri için belirlenen alanlarda kırsal konutların inşa edilmesi amaçlanmaktadır.
- Bileşen- 5 kapsamında depremden etkilenen diğer iller ile birlikte Tunceli ilinde belirlenen köylerde kırsal konutların yeniden inşası gerçekleşecektir.
- Bu kapsamda, Pertek İlçesi'nde AFD tarafından belirlenen hak sahiplerine Küme-1 de toplamda 49 konutun kırsal konut inşa edilmesi planlanmaktadır.
- İnşa edilen konutlar, hak sahiplerine AFD tarafından yapaılacak kura ile teslim edilecektir.




KADİYAP Bileşen 5: Kırsal Konut Yeniden İnşası ve İyileştirmesi

..... KÖYÜ KIRSAL KONUTLARI

### VAZİYET PLANI



KADİYAP Bileşen-5: Kırsal Konut Yeniden İnşası ve İyileştirmesi

Günboğazı Köyü, Kaçarlar Köyü, Pirinççi Köyü, Sumak Köyü ve Tozkoparan Köyü Kırsal Konutları Vaziyet Planı

| TİP-1 3+1 TEK KATLI KONUTLAR | |
|---|---|
| ANTRE | 7,3 m² |
| SALON | 22,75 m² |
| YATAK ODASI | 12,37 m² |
| ODA-1 | 10,5 m² |
| ODA-2 | 9,85 m² |
| MUTFAK | 13,45 m² |
| HOL | 6,15 m² |
| BANYO | 7,5 m² |
| WC | 2,66 m² |

TİP-1 EV
122 m²
3 + 1
BETONARME

### 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)*


Atıkların kaynağında azaltılması, Kaçınılmaz olarak çıkan atıkların da mümkün olan en yüksek oranda geri kazanılarak, yeniden kullanılması olmalıdır.

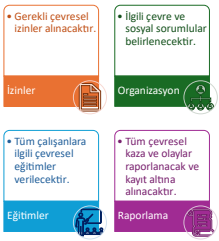
### AYRI TOPLANMASI GEREKEN ATIKLAR

- Tehlikeli Atıklar
- Atık Pil ve Akümülatörler
- Ömrünü Tamamlamış Lastikler
- Elektrikli ve Elektronik Ekipmanlar
- Kağıt-Karton
- Plastik
- Cam
- Metal
- Bitkisel Atık Yağ
- Atık Yağlar

### NEDEN GERİ KAZANIM ?

- **Doğal kaynaklarımız korunur.**
- **Enerji tasarrufu sağlanır**
- **Atık miktarı azalır**
- **Geri dönüşüm geleceğe ve ekonomi yatırımdır.**

## Çevresel Konuların Yönetimi




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

- İş Sağlığı ve Güvenliği (İSG), kırsal konutlar için yapılan çalışmalardan firma çalışanlarının ve köyde yaşayan insanların zarar görmemesi için yapılan çalışmalardır.
- Müteahhit firma gerekli iş sağlığı ve güvenliği önlemlerini alacak ve Müşavir firma ve Bakanlık bunları kontrol edecektir.
- Denetleme sırasında tespit edilen uygunsuzluklar rapor edilerek en kısa sürede gerekli aksiyonlar alınacaktır.

## İş Sağlığı ve Güvenliği Yönetimi

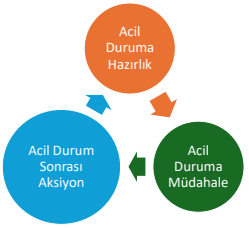
- İnşaat sahasında yapılan çalışmalardan size gelebilecek tehlikeler aşağıda sayılmıştır. Bunlarla karşılaşırsanız durumu yazarak şikayet kutularına atabilirsiniz.

Toz | Gürültü | Yangın

İş Makinelerinin Çalışması | Çevreye Dağılabilecek Atıklar

## Acil Durum Hazırlık ve Müdahale

- Deprem, yangın, sel baskını gibi acil durumlarda şantiyenin acil durum ekipleri sizlere de yardımcı olacaktır.




## 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.

KENDİ GÜVENLİĞİNİZ İÇİN LÜTFEN
İZİNSİZ OLARAK İNŞAAT SAHASINA GİRMEYİN.

GİRMENİZ GEREKTİĞİNDE ŞANTİYE ŞEFİ VE MÜHENDİSLERE BİLGİ VERİNİZ.

## Sosyal Konular ve Yönetimi

**PAYDAŞ KATILIM TOPLANTISI:** Projenin paydaşlarını proje hakkında bilgilendirmek amacıyla yapılan toplantı.

**PAYDAŞ KİMDİR?**
Proje faaliyetlerinden etkilenen ya da etkilenme ihtimali olan gerçek ya da tüzel kişiler.

**PAYDAŞLAR:**

- ✓ 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..

## Paydaş Katılım Toplantıları Neden Düzenlenir ?

- **Şeffaflık sağlamak:** Proje hakkında tüm tarafların doğru, güncel ve erişilebilir bilgiye ulaşmasını sağlamak.
- **Katılımı teşvik etmek:** Etkilenen toplulukların, yerel yönetimlerin, STK'ların ve diğer paydaşların görüş ve önerilerini alma fırsatı yaratmak.
- **Sosyal uyumu güçlendirmek:** Farklı çıkar grupları arasında diyalog kurarak olası çatışmaları erken aşamada önlemek.
- **Riskleri belirlemek:** Projeden doğabilecek çevresel, sosyal veya ekonomik riskleri yerel bilgiyle tespit etmek.
- **Projeyi iyileştirmek:** Paydaşların geri bildirimleriyle proje tasarımını, uygulamasını veya önlemlerini geliştirmek.
- **Hesap verebilirliği artırmak:** Proje uygulayıcılarının topluma ve finansörlere karşı sorumluluklarını yerine getirmesini sağlamak.
- **Toplumsal sahiplenmeyi sağlamak:** Projeye etkilenen halkın desteğini kazanmak, "dışarıdan dayatılmış" bir proje algısını azaltmak.
- **Şikayet çözüm mekanizmasını tanıtmak:** Paydaşlara şikayetlerini iletebilecekleri resmi yollar hakkında bilgi vermek.

## ŞİKAYET ÇÖZÜM MEKANİZMASI (ŞÇM)

- Dünya Bankası şikayet çözüm mekanizması; Dünya Bankası tarafından finanse edilen kalkınma projelerinden olumsuz etkilenen birey veya toplulukların, projeyle ilgili sorunlarını ve endişelerini dile getirebileceği bir yapıdır.
- Bu mekanizma, şikayetlerin hızlı, adil ve şeffaf şekilde çözüme kavuşturulmasını amaçlar. Mekanizma, şikayetlerin kaydını alır, değerlendirir, çözüme kavuşturur ve şikayet sahiplerine geri bildirim sağlar. Kısacası 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.


## KADİYAP SÇM

- **Şeffaflık:** KADİYAP kapsamında gelen tüm şikayet, talep ve öneriler açık ve anlaşılır bir şekilde mevcut şikâyet prosedürü kapsamında değerlendirilmektedir.
- **Tarafsızlık:** KADİYAP'a sunulan her şikâyet/talep için adil ve eşit bir şikâyet giderme prosedürü uygulanmaktadır.
- **Gizlilik:** Proje kapsamında anonim, isimsiz şikâyetler sunulabilir ve çözüme kavuşturulabilir. Şikâyet bildirmek kişisel bilgi veya fiziksel varlık gerektirmez. KADİYAP'a paydaşlar annonim olarak da şikayet ve taleplerini sunabilirler.
- **Erişilebilirlik:** KADİYAP SÇM, tüm çalışanların ve tüm paydaşların erişimine açıktır. Tüm paydaşlar kolaylıkla şikâyette ya da talepte bulunabilir.
- **Kültürel Uygunluk:** Yerel halk tarafından dile getirilen bir şikâyet veya sorun, bölgesel kaygılar çerçevesinde değerlendirilmektedir ve oradaki kültürel gerçekliğe uygun bir çözüm stratejisi izlenmektedir.

## Şikâyet/Öneri/Talep

- ✓ **Önerive şikâyetlerinizin**, içeriğine olursaolsun, nasılkalemealınırsaalınsın bizimiçindeğerlidir olduğunu bilmenizisteriz. Genel etik ilkelereuygun olarak yazdığınız önerive şikâyetlerinizde dolayı olumsuz herhangibir durumlakarşılaşmayacak ve eleştirilmeyeceksiniz. Öneri ve şikâyetlerinizi farklı yöntemle iletebilirsiniz. *Şikâyetkutularına, e-mail, internetformlarıyüz yüze ya da telefon* ile iletebileceğiniz öneri ve şikâyetlerinizin hepsiayrı şekildedeğerlendirilir, tarafsız bir kurultarafından incelenir ve tamamıgizlibilgi statüsündedir
- ✓ Tüm şikayetiletimkanallarında anonim şekilde (kimlikbilgisi paylaşmadan) öneri/talep ve görüşlerinizi Proje Uygulama Birimi'ne (PUB) 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/ websayfasını ziyaret edebilirsiniz

## Şikâyet İletim Kanalları

Çevre, Şehircilik ve İklim Değişikliği Bakanlığı'nın (ÇŞİDB) hem telefon hem de web sitesi aracılığıyla erişilebilen bir 'Alo 181' yardım hattı vardır. Bu yardım hattı aynı zamanda çalışanlarıçözüm ortaklarıve daha geniş zümreler için bakanlık düzeyinde bir şikâyet mekanizması sisteviği 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 Birimi'ne (PUB) iletilmektedir. **0312 586 48 27** nolu telefondan doğrudan Proje Uygulama Birimi'ne ulaşabilirsiniz

| | |
|---|---|
| **ÇŞİDB Çağrı Merkezi** | : Alo 181 |
| **Proje Uygulama Birimi Telefon** | : 0312 586 48 27 |
| **Whatsapp Şikayet Hattı** | : 0 534 591 91 26 |
| **CİMER ALO 150** | : www.cimer.gov.tr |
| **KADİYAP E-Posta Adresi** | : yigmkadev@csb.gov.tr |
| **KADİYAP Online Şikayet Formu** | : https://kadiyaponeri.csb.gov.tr/ |

## KAREKOD

İnternet üzerinden KADİYAP online şikâyet formuna erişmek 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.)

## ŞİKAYET KUTULARI


Çalışan Personeller İçin;

- Şantiye Alanlarında

Köy Halkı İçin;

- Köyün/mahallenin işlek noktalarında, halkın erişebileceği uygun noktalarda,
- Muhtarlık ofisinde

**NOT:** Şikayet kutularına şikayet formunu doldurarak proje kaynaklı şikayet, talep ve önerilerinizi ilgili mercilere iletebilirsiniz. Anonşm olarak şikayetlerini dile getirmeniz mümkün, ancak şikayet formunu iletişim bilgileri mutlaka yazılmalıdır.

## İTİRAZ HAKKI

Şikayetleri ya da talepleri mevcut şikayet çözüm mekanizması aracılığıyla çözülemeyen veya şikayetleri hassas konular içeren başvuru sahipleri her zaman ilgili yasal kurumlara başvurabilirler. Bu tür kurumlar şu şekilde özetlenebilir:

- CİMER
- Asliye Hukuk Mahkemeleri
- İdare mahkemesi
- Asliye Ticaret Mahkemeleri
- İş Mahkemeleri
- Ombudsman (https://ebasvuru.ombudsman.gov.tr)

## KATKILARINIZ İÇİN TEŞEKKÜRLER

Ayla AKYÜZ ve Nur BOLAT
Sosyal Uzman
Tümaş Müşavirlik

## Annex 6. Stakeholder Engagement Meeting Photographs






**Annex 7. Project Brochure and Poster**

## Genel Görünüm


**ÇEMİŞGEZEK**
**147 KONUT**


## ŞİKAYET İLETİM KANALLARI

**Bize Ulaşın... Bize Ulaşın... Bize Ulaşın...**

**1 Müteahhit:** Öztaç Pet. Hafr.İnş. Nak. Temz.İth. İhr.San.ve Tic.A.Ş.&Fenas Yapı A.Ş.Adi Ortaklığı
**Sorumlu Kişi:** Volkan DEMİREL (Sorumlu Müdür)
**Telefon:** +[redacted]
**E-Posta:** cemisgezek@fenasyapi.com

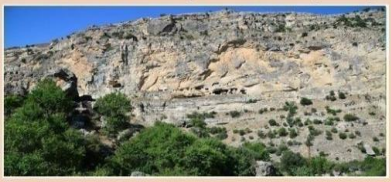
**2 Müşavir:** Tümaş Türk Mühendislik Müşavirlik ve Müteahhitlik A.Ş.
**Sorumlu Kişi:** Pınar YILDIZ (Proje Müdürü)
**Telefon:** +[redacted]
**E-Posta:** pinar.baran@tumas.com.tr
**Whatsapp Şikayet Hattı:** 0534 591 91 26

**3 İdare:** Çevre, Şehircilik ve İklim Değişikliği Bakanlığı Yapı İşleri Genel Müdürlüğü
**Telefon:** ALO 181, 0312 586 48 27
**E-Posta:** yigmkadev@csb.gov.tr
**Web:** kadiyaponeri.csb.gov.tr

Karekodu telefon/tablet vb okutarak Şikâyet Formuna anında ulaşabilirsiniz!

## KIRSAL ALANLARDA DEPREM İYİLEŞTİRME VE YENİDEN YAPIM PROJESİ (KADİYAP)

**Tunceli İli Çemişgezek İlçesi 22 Köy 147 adet Kırsal Köy Konutu Yapım İşi**



## KADİYAP HAKKINDA

KADİYAP Projesi; Türkiye'de 6 Şubat depreminden etkilenen seçilmiş illerde halkın depreme dayanıklı konutlara yeniden erişimini amaçlamaktadır.

Tunceli İli , Çemişgezek İlçesine bağlı Aşağıbudak , Karasar , Büyükörence , Bağsuyu , Yukarıbudak , Uzungöl , Sakyol , Sarıbalta , Ulukale , Akçapınar , Yemişdere , Doğan , Tekeli , Toratlı , Alakuş , Cebe Arpaderen , Doğanalan , Erkalkan , Gedikler , Vişneli ve Yünbüken köylerinde toplamda 147 adet kırsal köy konutu yapımı planlanmaktadır.

## ŞİKÂYET ÇÖZÜM MEKANİZMASI


İletişimde şeffaflığı ve sürekliliği sağlamak amacıyla **Şikayet Çözüm Mekanizması** oluşturulmuştur. Şikâyet, görüş ve önerilerinizi aşağıdaki iletişim kanallarını kullanarak veya şikâyet kutularına yazarak bizlere ulaştırabilirsiniz. Şikâyet kutuları; paydaşlardan gelen görüş ve öneriler doğrultusunda konteyner kent, şantiye sahası, mahalle camisinin kadın ve erkek girişleri gibi paydaşların kolaylıkla erişim sağlayabileceği lokasyonlara yerleştirilecektir.


Toplam planlanan konut sayısı 147 olarak belirlenmiştir. ÇŞİDB tarafından seçilen yerleşim yeri; Çevre, Şehircilik ve İklim Değişikliği Bakanlığı tarafından onaylanmıştır. Yerleşim Planı TÜMAŞ Müşavirlik tarafından hazırlanmıştır.

**ALT PROJE YERLEŞKESİNDE DEPREME DAYANIKLI 147 KONUT YAPILMASI PLANLANMAKTADIR .**

Taslak yerleşim planına göre, her konut 500 m² alan üzerinde 100 m² olarak planlanmış olup, her konutta belirlenmiş bir yeşil alan bulunmaktadır; dolayısıyla her konut biriminin yeşil alanı dâhil toplam alanı 600 m² olarak planlanmıştır.

İnşaat süresinin planlama/hazırlı aşamasından sonra 8 ay olması beklenmektedir. İhaleyi kazanan Yüklenici firma arazi hazırlama ve inşaat faaliyetlerini gerçekleştirecektir.

**Annex 8. Satisfaction Assessment Survey**

**Türkiye Earthquake Recovery and Reconstruction Project (TERRP)**
**Stakeholder Engagement Meeting – Satisfaction Assessment Survey**

This survey aims to assess the level of satisfaction regarding the stakeholder information meetings conducted within the scope of the Türkiye Earthquake Recovery and Reconstruction Project (TERRP).

Please do not provide any personal identification information (such as name, surname, identification number, etc.) in this survey.

The data collected through this survey will be used solely for the purpose of evaluating the performance and effectiveness of the stakeholder information meetings and will not be shared with any third parties.

In order for the survey results to effectively contribute to the implementation of the Project, it is essential that all questions in the survey are answered.

The responses provided to this survey will be analyzed, reported, and published in an anonymized manner on the official Project website (https://kadiyap.csb.gov.tr/).

Thank you for your participation.

1. Please indicate your gender.
( ) Female
( ) Male
( ) Prefer not to say

2. Were the information provided during the meeting regarding the new rural housing to be constructed sufficient?
( ) Yes
( ) No

3. Was sufficient information provided on the mitigation measures to be taken regarding the potential environmental, social, and occupational health and safety risks/impacts of the Project?
( ) Yes
( ) No

4. Were you informed in a timely manner about the meeting venue, time, and content?
( ) Yes
( ) No

5. Were the responses provided to the questions raised during the meeting sufficient?
( ) Yes
( ) No
( ) No questions were raised by the meeting participants

6. Were you satisfied with the presentation performance of the presenter(s)?
( ) Yes
( ) No

If you have any comments, suggestions, or concerns regarding the Project discussed at the meeting that you would like to communicate to the Ministry of Environment, Urbanization and Climate Change, please specify below.
.....
.....
.....