



**Republic of Türkiye Ministry of
Environment, Urbanization and Climate Change
General Directorate of Construction Affairs**

**TÜRKİYE EARTHQUAKE RECOVERY AND RECONSTRUCTION
PROJECT
(TERRP)**

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This Environmental and Social Management Plan is developed by the EMAY within the scope of “Consultancy Services for Design Review and Reconstruction Supervision of Rural Housing (Ref: TERRP/CS-DESSUP-03)” under Türkiye Earthquake Recovery and Reconstruction Project.

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List of Abbreviations

AFAD	:	Disaster and Emergency Management Presidency
AoI	:	Area of Influence
CESMP	:	Contractor Environmental and Social Management Plan
CFP	:	Chance Find Procedure
CHS	:	Community Health and Safety
DSI	:	State Hydraulic Works
E&S	:	Environmental and Social
EBRD	:	European Bank for Reconstruction and Development
EMAY	:	EMAY International Engineering and Consultancy Inc.
ESHS	:	Environmental, Social, Health and Safety
ESMF	:	Environmental and Social Management Framework
ESMP	:	Environmental and Social Management Plan
ESS	:	Environmental and Social Standard
GDCA	:	General Directorate of Construction Affairs
GRM	:	Grievance Redress Mechanism
IFC	:	International Finance Corporation
LMP	:	Labor Management Procedure/Plan
MoEUCC	:	Ministry of Environment, Urbanization and Climate Change
N.	:	Neighborhood
OGM	:	General Directorate of Forestry
OHS	:	Occupational Health and Safety
PCA	:	Preventive/Corrective Action
PDoEUCC	:	Provincial Directorate of Environment, Urbanization and Climate Change
PIU	:	Project Implementation Unit
PPE	:	Personal Protective Equipment
PPP	:	Pollution Prevention Plan
PWWTP	:	Package Wastewater Treatment Plant
RCA	:	Root Cause Analysis
RP	:	Resettlement Plan
SEA	:	Sexual Exploitation and Abuse
SEP	:	Stakeholder Engagement Plan
SH	:	Sexual Harassment
TEDAŞ	:	Türkiye Electricity Distribution Inc.
TERRP	:	Türkiye Earthquake Recovery and Reconstruction Project
TMP	:	Traffic Management Plan
V.	:	Village
WB	:	World Bank
WBG	:	World Bank Group
WMP	:	Waste Management Plan
WSWW	:	Water Supply and Wastewater
WWTP	:	Wastewater Treatment Plant

1 Introduction

The World Bank (WB) is supporting the Ministry of Environment, Urbanization and Climate Change (MoEUCC) in implementing the Türkiye Earthquake Recovery and Reconstruction Project (TERRP). WB finances TERRP activities under Component 3, Rural Housing Reconstruction and Recovery, and Component 4.3, Project Management, Monitoring and Evaluation.

TERRP will overall support restoring access to essential municipal and health services and resilient housing in selected provinces affected by the February 2023 earthquakes in Türkiye. MoEUCC will be implementing the Project activities for Components 3 and 4.3, in close collaboration with the Disaster and Emergency Management Presidency (AFAD). AFAD will carry out tasks as part of its ongoing organizational and legal mandates in collaboration with the MoEUCC.

Within this Environmental and Social Management Plan (ESMP), it is aimed at assessing and minimizing the potential negative environment and social risks and impacts of reconstruction of a total of 171 rural houses in Arıcak and Alacakaya Districts of Elazığ Province. The destroyed or severely damaged houses and basic infrastructures in the selected villages/neighborhoods will be reconstructed in new settlement locations. The details regarding the villages, new settlements, number of rural houses to be reconstructed, etc. will be given in the following chapters of the plan. Additionally, the measures to eliminate potential adverse environmental and social impacts during the projects, and addresses health and safety measures details about stakeholder engagement activities, and the establishment of a Grievance Redress Mechanism (GRM), and outlines the responsibilities of relevant parties within the project scope include in this Environmental and Social Management Plan.

2 The Rationale of the Environmental and Social Management Plan

In accordance with the Environmental and Social Framework (ESMF) of the TERRP, the Project Implementation Unit (PIU) operating under the General Directorate of Construction Affairs (GDCA) within the MoEUCC has concluded the Environmental and Social (E&S) Screening, and the list of the Screening Studies are attached as Appendix 2. The evaluation of E&S Risk Rating resulted in a classification of “**moderate**”, based on the projected environmental and social risks and impacts. Following the guidelines outlined in the ESMF, and based on the findings of the E&S screening and subsequent assessment, a subproject-based ESMP was required to be customized for “Elazığ Province Alacakaya and Arıcak District Rural Housing Project – Cluster2” (hereinafter “the Project”).

EMAY International Engineering and Consultancy Inc. (EMAY) under its assignment “Consultancy Services for Design Review and Reconstruction Supervision of Rural Housing” with the name of the 'supervision consultant' took the responsibility to customize the ESMP for the subproject. In the course of the customization, EMAY visited the subproject sites in Arıcak and Alacakaya Districts on 12-13-14/01/2024 having meetings with the muhtars of the relevant villages/neighborhoods, which are Bakladamlar, Çakmakkaya, Ormanpınar, Erimli and Kambertepe villages, and observe the new locations where the rural houses to be constructed.

It is the responsibility of the Contractor to regularly review, revise, and update the ESMP according to its planning and decisions. The ESMP contains site-specific measures developed based on the available information. During the planning and construction phases, adjustments to construction methods may occur due to feasibility and technical considerations. In the event of such changes in the Contractor's construction approach, the ESMP must be reviewed and revised by the Contractor and then submitted to EMAY for review. The Contractor must ensure that the ESMP accurately reflects site conditions and should proactively incorporate any revisions into the plan. The Waste Management Plan, Pollution Prevention Plan, OHS Plan, Community Health and Safety and Traffic Management Plan, etc., will be prepared by the Contractor and submitted to the PIU for approval by EMAY after including their review.

3 Legal and Institutional Framework

The TERRP's ESMF provides a comprehensive overview of the legal and institutional framework in Section 3. This section outlines Türkiye's legal framework, followed by a brief explanation of the national environmental and social assessment regulatory process, including permitting, and identifies any disparities between the WB Environmental and Social Standards (ESSs) and legislative requirements.

During the development of the ESMP, both the WB ESSs and the national legislative framework relevant to the activities associated with the Project are taken into account. Feasible and effective mitigation measures are then documented based on these considerations.

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

<https://kadiyap.csb.gov.tr/cevresel-ve-sosyal-proje-dokumanlari-i-110820>

4 Project Description

Within the scope of the Project (Cluster2), a total of 171 rural houses will be constructed in new locations in Arıcak and Alacakaya Districts of Elazığ Province. The details regarding the villages/neighborhoods, number of houses and new locations are summarized in Table 1, and in the following sub-titles.

Table 1. Project Description

District	Settlement (Village (V.) or Neighborhood (N.))	Number of Rural Houses	New Location (lot/parcel)	Registry Status of the New Location
Alacakaya	Bakladamlar Village (V.).	10	138/1	Pastureland
Alacakaya	Çakmakaya V.	38	-	Unregistered
Arıcak	Erimli Town Municipality; ▷ Cami Neighborhood (N.) (10), ▷ Cumhuriyet N. (4), ▷ Güleç N. (1), ▷ Güvenevler N. (4) and ▷ Kışla N. (19)	38	180/1 (in Güleç N.)	Forestry
Arıcak	Kambertepe V.	56	122/1 & 122/2	Forestry and vacant land
Arıcak	Ormanpınar V.	29	106/1	Forestry

4.1 Bakladamlar Village

It is planned the construction of 10 rural houses and construction of roads and pavement within the parcel, installation of street lighting, sewerage and drinking water network and the impermeable septic tank on a new location within parcel 138/1 in Bakladamlar V., Alacakaya district.

The parcel is registered as pastureland, and has a total area of 1,015,592.14 m² but only 1.16% of the parcel (11,755 m²) will be used, not the entire parcel. AFAD has allocated only the area shown in Figure 1 as construction site, although the parcel is large.

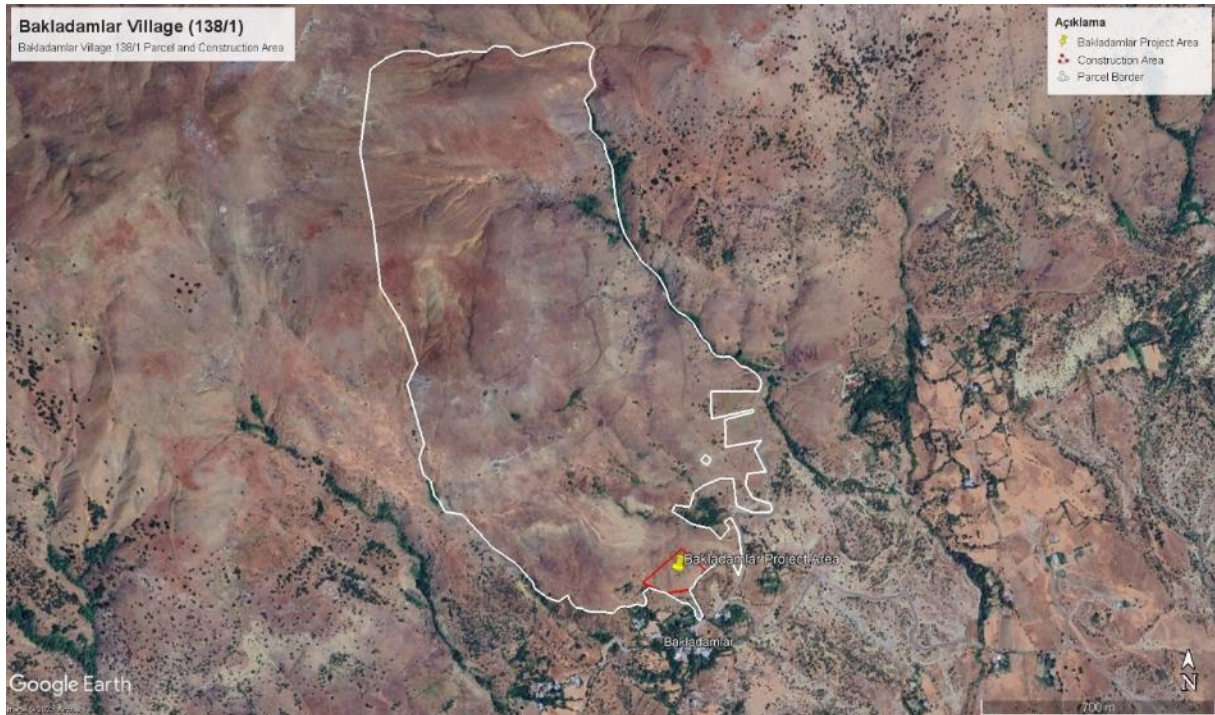


Figure 1. Satellite Image of Bakladamlar 138/1 Parcel and Construction Area

The parcel and the construction site as well as the close dwellings and facilities are shown in Figure 2 and the distances to the close dwellings and other facilities and features are given in Table 2.

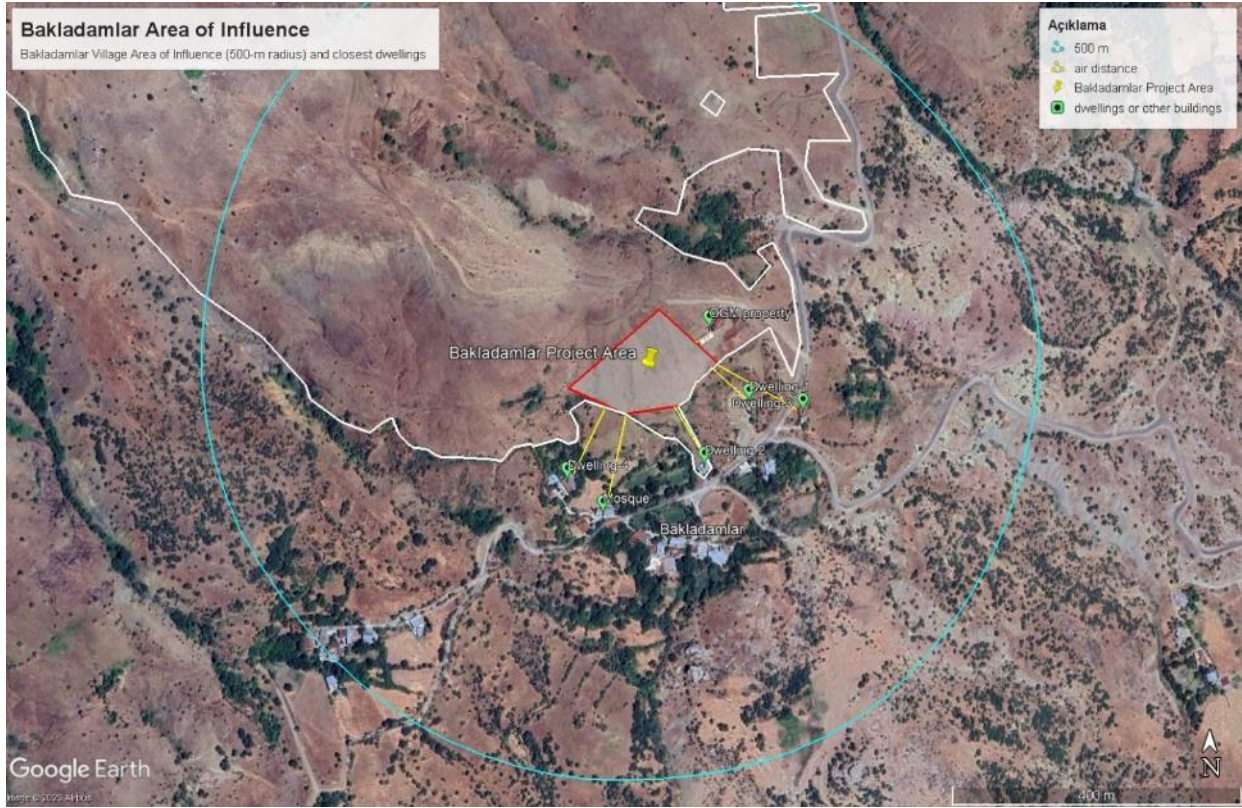


Figure 2. Bakladamlar Area of Influence

Table 2. Close Settlements to the Selected Parcel in Bakladamlar V.

Dwelling / Facilities / Features	Air Distance (m)
OGM Property (Barn)	0
Dwelling-1/ Condolence house	55
Dwelling-2	73
Dwelling-3	111
Dwelling-4	93
Mosque	113

4.2 Çakmakaya Village

It is planned the construction of 38 rural houses on a new location and construction of roads and pavement within the parcel, installation of street lighting, sewerage and drinking water network and impermeable septic tank in Çakmakaya V., Alacakaya district. The project area has an area of 91,509 m².

AFAD has allocated this parcel for construction and the villagers participated in the selection of these parcels and felt satisfied with the new location. The information related to the selected parcel use and classification is not available in the database of General Directorate of Land Registry and Cadaster. According to observations during the site visit, natural habitat appears to be maquis, which is a wide natural habitat type in Türkiye.

The selected parcel is shown in Figure 3, and the area of influence (AoI), close dwellings and other facilities and features are given in Figure 4 and the distances are presented in Table 3.



Figure 3. Satellite Image of the Selected Parcel in Çakmakçaya V.

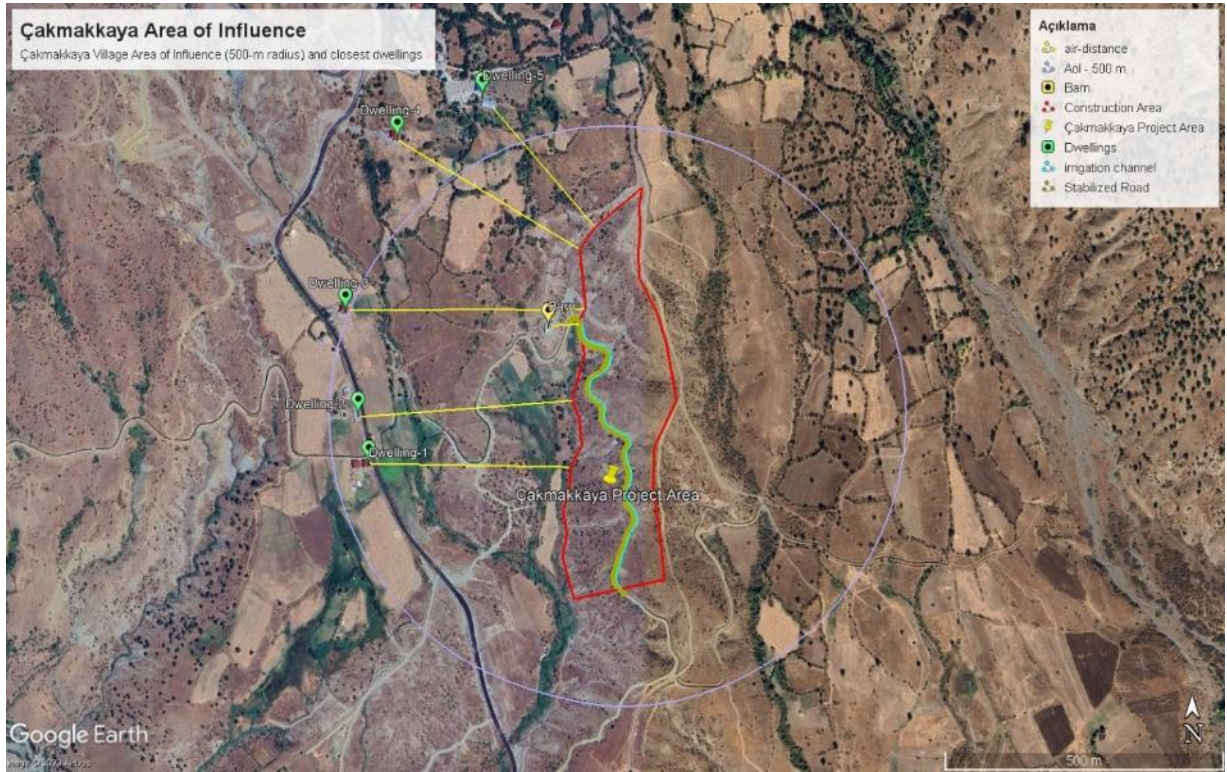


Figure 4. Çakmakçaya Aoi

Table 3. Close Settlements to the Selected Parcel in Çakmakkaya V.

Dwelling / Facilities / Features	Air Distance (m)
Irrigation channel	within the sub-project area
Stabilized road	within the sub-project area
Barn and House	45
Dwelling-1	347
Dwelling-2	368
Dwelling-3	405
Dwelling-4	356
Dwelling-5	257

4.3 Erimli Town Municipality

It is planned the construction of 38 rural houses on a new location chosen by the consensus of villagers within parcel 180/1 in Güleç Neighborhood within the borders of Erimli Town Municipality (hereinafter "Erimli"), affiliated to Arıcak district. It also includes the construction of roads and pavement within the parcel, installation of street lighting, sewerage and drinking water network and impermeable septic tank.

The parcel is registered as forest land, and has a total area of 133,272.71 m². AFAD allocated 81.7% of this parcel (108,880 m²) for the construction of rural houses in the sub-project. The rural houses to be constructed within 180/1 parcel in Güleç N. will be given to the beneficiaries in the relevant neighbourhoods according to the following:

- Kışla Neighborhood : 19 beneficiaries
- Cami Neighborhood : 10 beneficiaries
- Güvenevler Neighborhood : 4 beneficiaries
- Cumhuriyet Neighborhood : 4 beneficiaries
- Güleç Neighborhood : 1 beneficiary.

The satellite image of the 180/1 parcel in Güleç N. and its distance to the Erimli center is shown in Figure 5.

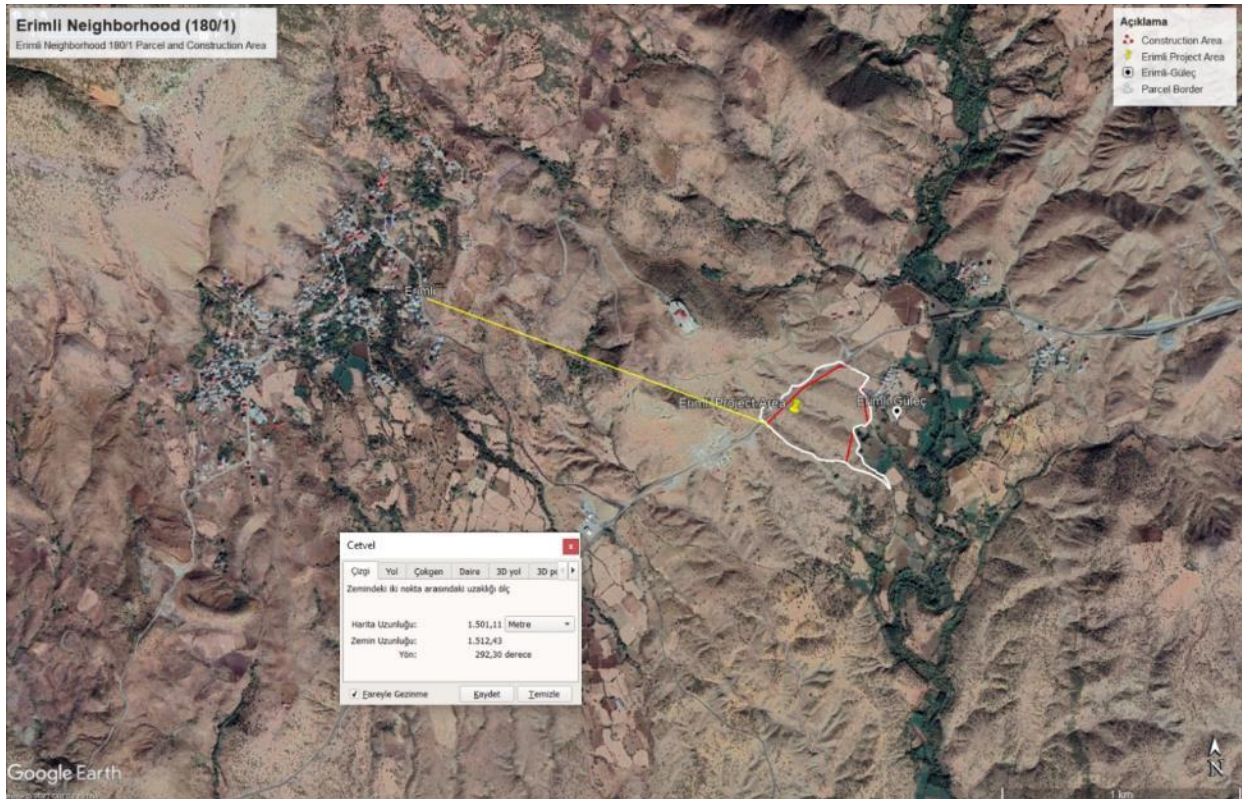


Figure 5. Satellite Image of 180/1 Parcel in Güleç N.

The AoI of the selected parcel and close dwellings and other facilities and features are shown in the following figure (see Figure 6), and distances are given in Table 4.



Figure 6. Erimli (Güleç N.) AoI

Table 4. Close Settlements to the Selected Parcel in Güleç N. / Erimli

Dwelling / Facilities / Features	Air Distance (m)
Dwelling-1	within the sub-project area
Barn	9.7
Dwelling-2	25
Dwelling-3	46
Dwelling-4	186
Dwelling-5 / Gendarmerie Station	500
Dwelling-6	448
Güleç N. center	655
Seasonal Creeks	within the sub-project area
Köşkar Stream	335

4.4 Kambertepe Village

It is planned the construction of 56 rural houses on a new location within parcel 122/1 and 122/2 and construction of roads and pavement within the parcel, installation of street lighting, sewerage and drinking water network and the impermeable septic tank in Kambertepe V., Arıcak district.

The parcel 122/1 is registered as forest land, while the other parcel 122/2 is registered as “vacant land”. The area of 122/1 is 306,522.66 m² and 122/2 has an area of 41,773.93 m². The total area of 348,326.59 m² of the two parcels will be used within the scope of the sub-project.

Even though the land on which the rural houses will be constructed is large, AFAD has allocated this area for the sub-project. Moreover, the villagers participated in the selection of these parcels and felt satisfied with the new location.

The selected parcels are shown in Figure 7, and the area of influence (AoI), close dwellings and other facilities/features are given in Figure 8 and the distances are presented in Table 5.

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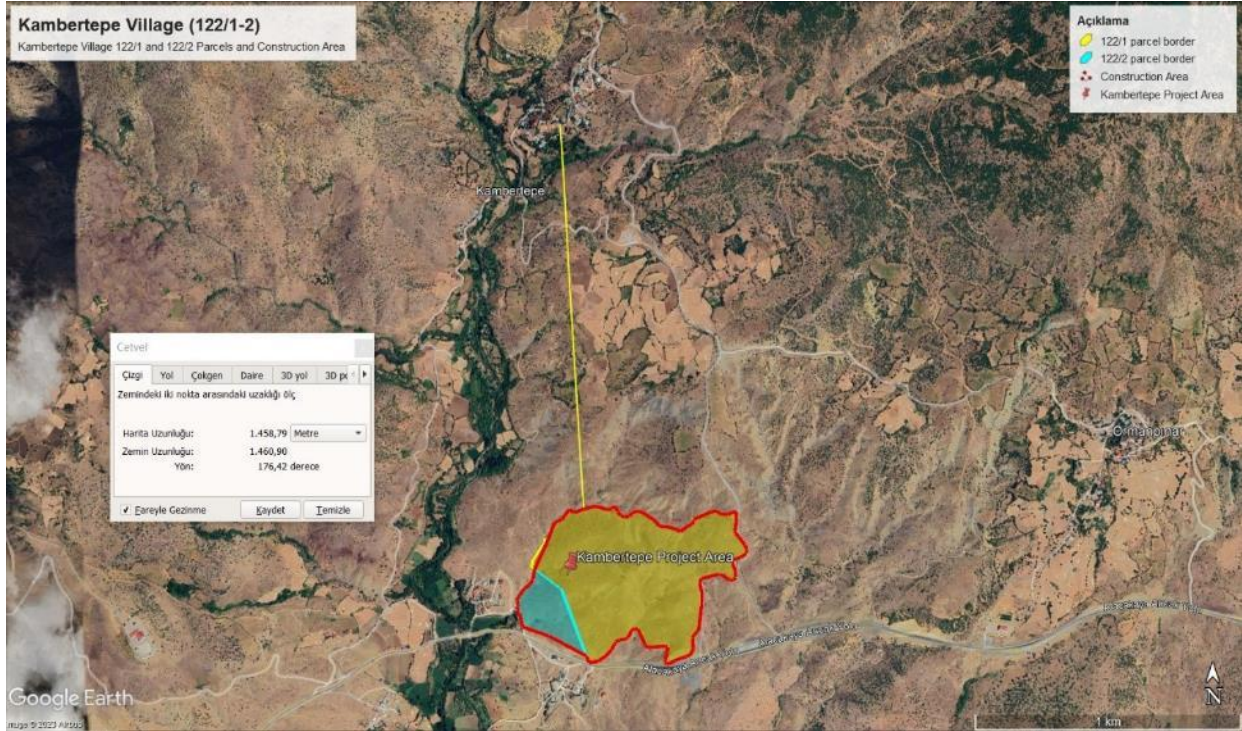


Figure 7. Satellite Image of the 122/1 and 122/2 parcels in Kambertepe V.

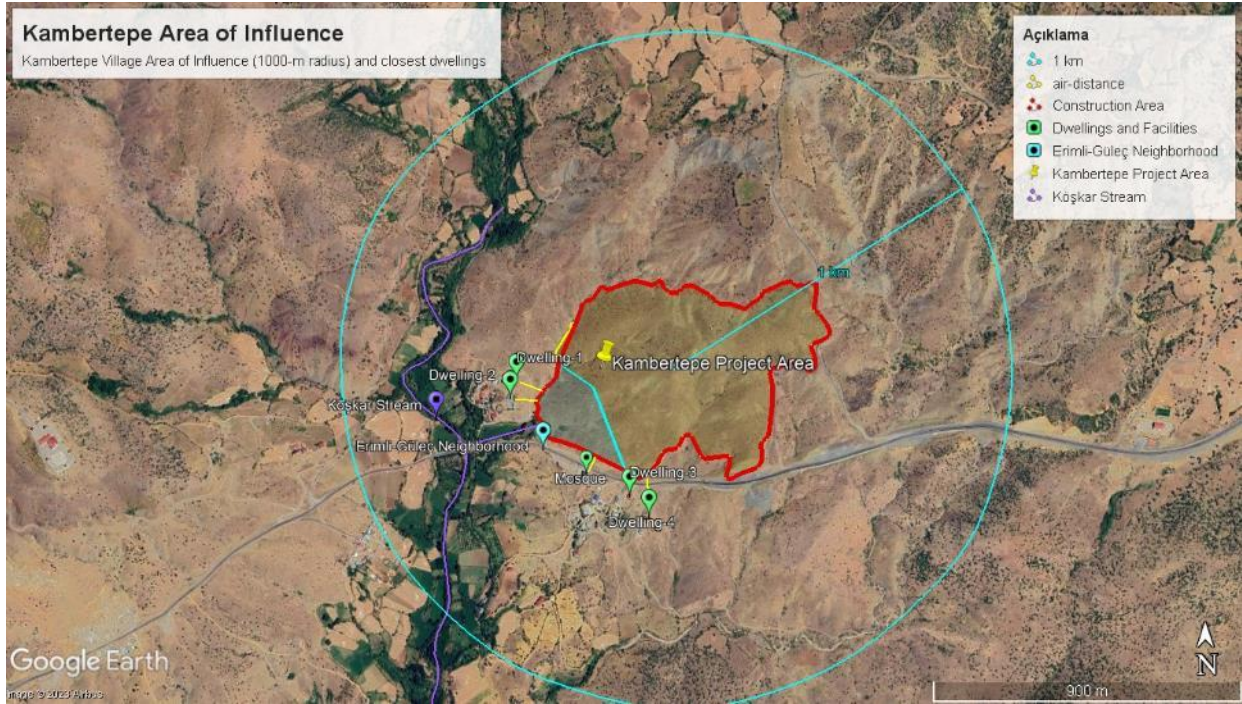


Figure 8. Kambertepe AoI

Table 5. Close Settlements to the Selected Parcels in Kambertepe V.

Dwelling / Facilities / Features	Air Distance (m)
Mosque	50
Dwelling-1	76
Dwelling-2	70
Dwelling-3	34
Dwelling-4	127
Köşkar Stream	232

4.5 Ormanpınar Village

It is planned the construction of 29 rural houses on a new location within parcel 106/1 and construction of roads and pavement within the parcel, installation of street lighting, sewerage and drinking water network, the impermeable septic tank in Ormanpınar V., Arıcak District.

The parcel is registered as forest land and has a total area of 2,509,825.38 m² but only 2.40% of it (60,284 m²) will be used, not the entire parcel. AFAD has allocated only the area shown in Figure 9 as construction site. Moreover, it was learned from the interview with the mukhtar of the village that local people consented to the new location and took part in the selection process.



Figure 9. Satellite Image of Ormanpınar 106/1 Parcel and Construction Site

The parcel and the construction site as well as the close dwellings and facilities are shown in Figure 10 and the distances to the close dwellings and other facilities and features are given in Table 6 below.

Table 6. Close Settlements to the Selected Parcel in Ormanpınar V.

Dwelling / Facilities / Features	Air Distance (m)
Cultivated Area	88
Transformer Building	163
School	558
Sports Field-1	554
Sports Field-2	577
Dwelling-1	425
Dwelling-2	437

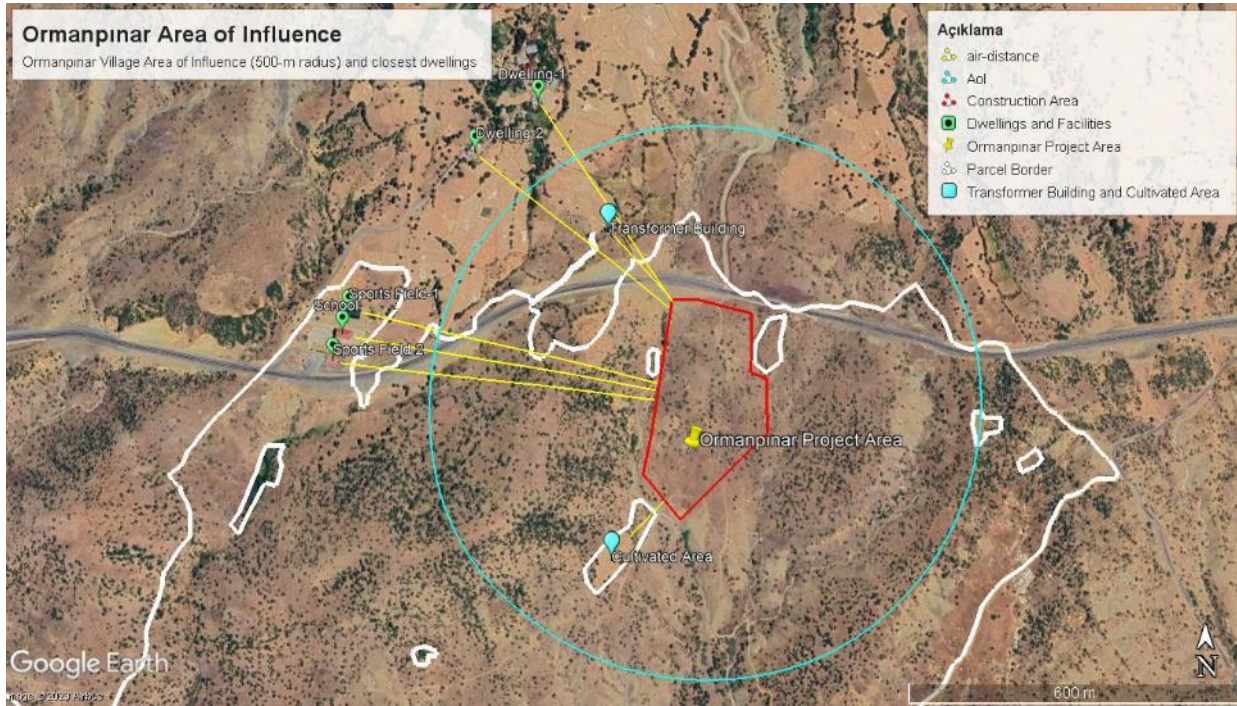


Figure 10. Ormanpınar Aoi

4.6 Project Characteristics

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

- The rural houses to be constructed will be 105.0525 m², and the each house will have a 14.04 m² veranda.
- The rural houses will be concrete with 2 bedrooms.
- The number of workers of the Contractor are estimated to be maximum 200.
- The duration for the completion of the construction is 10 months,
- Settlement plans for each new location have been approved by MoEUCC; however, they might be revised, if deemed necessary.
- There will not be any construction of concrete plant within the scope of the Project. The concrete needed for the construction of the rural houses will be procured from the nearest licensed facility. There are concrete plants which are 2 km to Erimli and Kambertepe V., 5 km to Ormanpınar V., 20 km to Çakmakçaya V., and 25 km to Bakladamlar V.
- Wastewater will be collected in the impermeable septic tanks in both work-site and resettlement.

4.7 Environmental and Social Baseline Summary

Current environmental and social conditions regarding each of the village/neighborhood and new locations are summarized in Table 7. According to screening forms and site visit observations, none of the selected parcels in the settlements includes:

- Dismantling and/or demolition work,
- The use of agrochemicals or pesticides,
- Involuntary land acquisition or expropriation,
- Usage of private lands,
- Physical or economic displacement,
- Nationally or internationally protected areas having important ecosystem features,
- Historical, archaeological or culturally protected areas,
- Sacred trees or objects having spiritual value to local people.

The ESMP has been formulated to encompass all necessary environmental and social measures throughout every phase of the sub-project activities. If subcontractors are engaged by the Contractor for various tasks such as construction, catering services, security, etc., it is the Contractor's responsibility to ensure that these

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subcontractors adhere to the requirements outlined in the ESMP, as well as comply with national regulations, World Bank Environmental and Social Standards (ESSs), and World Bank Group (WBG) General Environmental, Health, and Safety Guidelines. The contractor is obliged to monitor, report, record, and supervise the work of subcontractors to ensure quality performance.

Table 7. Environmental and Social Baseline Summary

E&S Aspects	Bakladamlar	Çakmakkaya	Erimli (Güleç N.)	Kambertepe	Ormanpınar
Distance to the village/neighborhood center	0.15 km	0.68 km	1.5 km (to Erimli center) 0.65 km (to Güleç N.)	1.45 km	0.63 km
Public facilities near (<0.5 km)	Mosque, condolence house	-	-	Mosque (in Erimli-Güleç N.)	Transformer building (163 m) Ormanpınar Primary School and sports fields (approximately 500 m)
Close dwellings	Please refer to Table 2	Please refer to Table 3	Please refer to Table 4	Please refer to Table 5	Please refer to Table 6
Other features	Barns adjacent to the construction area, Drinking water system of the village at the northwest of the construction site OGM Property at the edge of the site	Barn and house near the selected parcel (45 m), Irrigation channel belonging to State Hydraulic Works (DSI) within the parcel, Seasonal Creek	2 seasonal creeks within the construction site, 1 dwelling within the construction site, Köşkar Stream within the AoI, Electric poles, Gendarmerie station (0.5 km)	Köşkar Stream within the AoI	2 graves near the transformer building Children's park, Guard house, Electric poles, 2 Seasonal creeks within the construction site
Sensitive Receptors	Mosque, barns and OGM Property	Irrigation channel, barn and seasonal creek	Dwelling within the construction site, seasonal creeks and Köşkar Stream	Mosque and Köşkar Stream	Primary School, sports fields, children's park, seasonal creeks
Land cover	Pastureland; sparse spontaneously grown juniper trees, other types of forest trees and bushes	No registration status of the parcel. There are mostly vegetative soil, sparse small trees and bushes on the parcel.	Forestry; sparse spontaneously grown trees and bushes	122/1: Forestry, 122/2: vacant land; Sparse spontaneously grown trees and bushes	Forestry; trees and bushes grown randomly, including occasional poplar trees, in areas close to seasonal creeks
Ownership	Ownership belongs to State, right of use belongs to the village	State	State	State	State
Presence of trees / Flora - Fauna	There are sparse shrubs and trees that are not a source of income for the local people. Existing trees and shrubs will be taken into account in the site plan and their cutting will be avoided as much as possible. If it is necessary	There are sparse shrubs and trees that are not a source of income for the local people. Existing trees and shrubs will be taken into account in the site plan and their cutting will be avoided as much as possible. If it is necessary to	There are sparse shrubs and trees that are not a source of income for the local people. Existing trees and shrubs will be taken into account in the site plan and their cutting will be avoided as much as possible. If it is necessary to cut down, two (2) times the	There are sparse shrubs and trees that are not a source of income for the local people. Existing trees and shrubs will be taken into account in the site plan and their cutting will be avoided as much as possible. If it is necessary to cut down, two (2) times the	There are sparse shrubs and trees that are not a source of income for the local people. Existing trees and shrubs will be taken into account in the site plan and their cutting will be avoided as much as possible. If it is necessary to cut down, two (2) times the

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E&S Aspects	Bakladamlar	Çakmakkaya	Erimli (Güleç N.)	Kambertepe	Ormanpınar
	to cut down, two (2) times the number of trees cut will be planted.	cut down, two (2) times the number of trees cut will be planted.	number of trees cut will be planted.	number of trees cut will be planted.	number of trees cut will be planted.
Presence of vulnerable/disadvantaged persons	-	-	-	-	-
Sexual Exploitation and Abuse / Sexual Harassment (SEA/SH) Risk (to be expected)	Yes, because it is a very small and unpopulated village and some external labor are expected to be hired for the sub-project site, which is close to the village center and other dwellings.	Yes, because it is likely that some external labor will be hired and the construction site is about 45 meters away from a barn, which women and children may visit for varying reasons.	Yes, because it is expected that some external labor will be hired for the sub-project site and there are four or five families living close to the construction site.	Yes, because it is expected that some external labor will be hired for the sub-project site and there are village houses close to the selected parcels	Yes, because there exist primary school, sports field and children's park close to the construction site.

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5 Information Activities and Public Participation for ESMP

The ESMP prepared for the Project was displayed either at the entrance of construction sites or at a public office in Bakladamlar, Çakmakaya, Kambertepe, Ormanpınar villages and Erimli town (Kışla, Cami, Güvenevler, Cumhuriyet and Güleç neighbourhoods) and left for stakeholders to read for 10 days (See Appendix 3. The Photos of Public Disclosure of the ESMP dated 24.03.2024 and 06.07.2024).

Table-8: The Places of the Photos of Public Disclosure of ESMPs

Dessup	Province/District/Village	Places of the Photos Displayed
Group-2	Bakladamlar	Construction Site
	Çakmakaya	Construction Site
	Erimli	Construction Site
	Kambertepe	Erimli Town Building
	Ormanpınar	Construction Site

Following the disclosure of ESMPs, social experts held meetings with stakeholders and local people in Bakladamlar village on 16 July 2024. The meetings in Kambertepe and Ormanpınar villages were conducted simultaneously on 3 April 2024. The meeting in Çakmakaya village was held on 4 April 2024. Since there were no female participants in the first meeting of Erimli town on 16 April 2024, social experts conducted a second meeting on 3 April 2024. All the public meetings took place in the Condolence Houses of villages.

In the Public/Stakeholder Participation Meetings, a total of 24 individuals in Bakladamlar village (18 men and 6 women), a total of 28 individuals in Kambertepe village (19 men and 9 women), a total of 32 individuals in Ormanpınar village (27 men and 5 women), a total of 41 individuals in Çakmakaya village (26 men and 15 women), and a total of 34 individuals in Erimli town (24 men and 10 women) participated.

Table-9: Stakeholder engagement meetings in the villages listed under DESSUP-03

Dessup	Province/District/Village	Number of Rural Houses to be Constructed	Date of the Meeting	Number of Participants	
				Male	Female
Group-1	Gürçubuk	14	16.07.2024	17	13
	Halkalı	10	16.07.2024	7	13
	Çevrecik	17	17.07.2024	8	20
	Saman	36	17.07.2024	15	14
	Haberci	2	17.07.2024	13	6
Group-2	Bakladamlar	10	16.07.2024	18	6
	Çakmakaya	38	04.04.2024	26	15
	Erimli	38	03.04.2024 16.07.2024	24	10
	Kambertepe	56	03.04.2024	19	9
	Ormanpınar	29	03.04.2024	27	5
Group-3	Poyraz	1	18.07.2024	17	9
	Üçağaç	5			
	Alpavut	3			
	Yukarıçakmak	2			
	Cip	19			
	Alaca	9	18.07.2024	21	6
	Altınkuşak	3			
	Alatarla	1			
	Çamyatağı	13	19.07.2024	18	12
Salkaya	2				
Group-4	Gündüzbey	224	14.09.2024	61	81

Public/Stakeholder Participation Meetings were held face to face with the rights holders and the local people who would be directly and/or negatively affected by the construction. These meetings are attended by the

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Social Experts in person and the Environmental Experts via online from the Administration. Among the attendees of the information meeting were also Social Experts, Civil Engineers, Environmental Experts and technical team members from the Audit Consultant (EMAY) (See Appendix 4. ESMP Information Meetings Participant Lists Appendix 4. ESMP Information Meetings)

The meetings started with the Project presentation by the Social Experts of the MoEUCC and EMAY (See Appendix 5. Stakeholder Engagement Meeting Presentation). During the meetings, experts provided information about the Project and its environmental, social requirements and grievance redress mechanism (See Appendix 6. Stakeholder Engagement Meeting Photos). The project brochure was distributed to all participants, including the Mukhtar (See Appendix 7. Project Brochure). The project poster was hung at the entrance of the Mukhtar's office. (See Appendix 8. Project Poster).

After the presentation, questions raised by the participants were responded by the field experts. Information about the Q-A session can be found in the following table.

Table 10: Public / Stakeholder Participation Meeting – Questions and Answers

Querist	Respondent	Question Raised	Answer Given
Village Resident (Erimli)	EMAY (Civil Engineer)	"In this project, are you talking about mass housing or individual housing?"	"In this project, there are individual residences, mass housing are the houses built by TOKİ."
Village Resident (Erimli)	Authority (Env. Expert)	"Why weren't we given rental assistance?"	"There is no rental assistance within the scope of this project."
Village Resident (Erimli)	EMAY (Social Expert)	"What should we do if we have a complaint that we cannot write in the grievance box?"	"Please contact the WhatsApp direct complaint line via message or call."
Village Resident (Çakmakaya)	Authority (Social Expert)	"My house is not seriously damaged. Can I also be eligible?"	"Only heavily damaged houses are taken into consideration in this project."
Village Resident (Çakmakaya)	Authority (Social Expert)	"Are we going to get reimbursed for these houses?"	"The houses are not free. Residents will begin to pay after 2 years. And the credits will be paid for 18 years."
Village Resident (Çakmakaya)	Authority (Social Expert)	"I want my house to be built in-situ."	"In-situ construction does not exist within the scope of this sub-project."
Village Resident (Çakmakaya)	Authority (Social Expert)	"Is it clear who the houses belong to? There are 170 destroyed houses."	"The entitlement list does not reach to us. But the beneficiaries will be determined by lottery method."
Village Resident (Çakmakaya)	Authority (Social Expert)	"Will a barn be built?"	"There is no barn in this project. But you can request this by using grievance redress mechanism."
Village Resident (Çakmakaya)	Authority (Social Expert)	"Why is our village being built somewhere else? Everything we have will remain here. We as the villagers are not satisfied with the new settlement."	"You can submit this as a request to the Grievance redress mechanism. If you do so, we will forward this request to the MoEUCC."
Village Resident (Çakmakaya)	Authority (Social)	"My house was destroyed in the 2023 earthquake, but I still have not received my rights."	"Please apply again via e-government. The issue of entitlement is under responsibility of AFAD, we come from

	Expert)		the Ministry of Environment, Urbanization and Climate Change."
Village Resident (Çakmakaya)	Authority (Social Expert)	"Can we build our own house?"	"It is not within the scope of the project right now, but it may be in the future."
Village Resident (Kambertepe)*	Authority (Env. Expert) Authority (Social Expert) Authority (Social Expert)	"The layout has changed and our houses are being built on a different location than the parcel we previously accepted. We want the previous site plan."	"There are certain conditions for changing the Site Plan, it cannot be changed without reason. It cannot be changed without the knowledge of the Contractor and Consultant. Please put your complaints in the grievance boxes." "Each complaint in the grievance boxes will be evaluated. You can also directly call the phone number here (in the brochure)." "The Site Plans have been changed in accordance with the law for your welfare."
Village Resident (Kambertepe)	Authority (Social Expert)	"Everything needs to be redone in the new site to be established. These (mosques, imam's houses) need to be built urgently. Will these be done?"	"Houses of worship and other social facilities are not within the scope of this project. But all needs will be evaluated and planned accordingly."
Village Resident (Kambertepe)	Authority (Env. Expert)	"Previously, Elazığ Deputy Provincial Director promised us that it would be 750 square meters."	"The area of the residences in the project is 600 square meters, not larger."
Mukhtar (Kambertepe)	Authority (Env. Expert)	"I also looked at the projects of other villages, only our village's project has changed, the others' are the same. Why did ours change? We want our houses to be close to the road."	"We will meet with the technical team and let you know why the site plan has changed. Architects and surveyors work together while preparing the site plans, and we will find out the reason for the change and let you know as I said."

* In Kambertepe, the villagers refused to sign the participant list because they thought if they signed, it would be considered that they accepted the location of the construction site.

6 Environmental and Social Management Plan

The table 11 below outlines the Environmental and Social Management Plan (ESMP), which delineates the requisite measures for the Construction Contractor to adhere to during Project activities. This plan encompasses foreseen environmental and social risks and impacts specific to the sub-project, along with recommended mitigation measures. It provides details on the stages where these risks and impacts are expected, indicators within the monitoring system, monitoring frequency, assigned responsibilities, and estimated costs. The ESMP thoroughly articulates the strategies to address these risks and impacts throughout the project timeline.

EMAY will oversee the implementation of specified measures, the Contractor's execution system, organizational structure, site-specific Environmental and Social (E&S) management plans, their efficacy, and the monitoring plan to be executed by the Contractor. The Contractor will be subject to supervision to establish an effective system for managing and monitoring E&S concerns related to sub-project activities. Besides, the Contractor shall be reviewed the ESMP prepared by the Consultant and commit to implement the ESMP or prepare the C-ESMP if needed. The contractor shall also prepare sub-management plans, e.g. Waste Management Plan, Pollution Prevention Plan, OHS Plan and Community Health and Traffic Mangement Plan, etc. and submit them to the consultant for review. The consultant in turn will send these documents with his/her comments to the PIU for approval.

Table 11. Environmental and Social Management Plan

Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
<i>General for All Construction Works</i>										
Environmental and Social Management: Inadequate management of environmental and social risks and impacts	<p>The Contractor will prepare and submit for approval and subsequently implement its Contractor ESMP (C-ESMP). The C-ESMP should be submitted prior to the commencement of construction works and no construction activities will be carried out under the Project until approval of the C-ESMP. The C-ESMP will include at least the following site-specific management plans where the necessary outlines are given in the ESMF of TERRP:</p> <ul style="list-style-type: none"> Occupational Health and Safety (OHS) Plan including Risk Assessment Report and Emergency Response Plan (ERP) Community Health and Safety (CHS) and Traffic Management Plan (can be prepared separately as CHS Management Plan and Traffic Management Plan (TMP)) Waste Management Plan (WMP) Pollution Prevention Plan (PPP) Chance Find Procedure (CFP) Water Supply and Wastewater (WSWW) Management Plan Labor Management Plan to be prepared in accordance with project LMP Grievance Redress Mechanism (GRM) 	X	X		All sub-management plans are approved prior to construction and implemented throughout the construction period.		X		Contractor (<i>implementation</i>) Supervision Consultant (<i>supervision</i>)	Included in the cost of construction
	<p>The Contractor will employ at least a full-time A/B class OHS specialist and a full-time environmental specialist prior to the commencement of construction works. The Contractor shall submit the resumes of those specialists for approval. These specialists should be present at the site throughout the construction period.</p>	X	X		Relevant E&S staff is mobilized and maintained throughout the construction period		X		Contractor (<i>implementation</i>) Supervision Consultant (<i>supervision</i>)	Included in the cost of construction
	<p>The Contractor will prepare a Training Program and provide</p>	X	X		Training Program		X		Contractor	Included in

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Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
	<p>training to all its workers, before the start working on site, on basic environmental, social, health and safety (ESHS) risks associated with the proposed construction works and the workers' responsibility. The Training Program shall be repeated on a monthly basis. The Contractor's monthly training program will also cover topics related to Code of Conduct such as sexual harassment particularly towards women and children, violence, including sexual and/or gender-based violence and respectful attitudes while interacting with the local community.</p>				<p>approved and all relevant staffed are trained.</p> <p>Training records</p>				<p>(implementation)</p> <p>Supervision Consultant (supervision)</p>	the cost of construction
	<p>All necessary permits will be obtained and the installation of facilities is ensured before the construction. The permits which may be needed for the Project but not limited to the followings:</p> <ul style="list-style-type: none"> • Official letters/permits from DSI for the irrigation channel in Çakmakkaya V. • Official letters/permits from Türkiye Electricity Distribution Inc. (TEDAŞ) for the electric poles within the selected parcels in Güleç N. and Ormanpınar V. if the relocation of the poles are essential, • Land use permits (if necessary) • Waste disposal permits from the Municipality • Environmental permits (if necessary) • Water usage permits from the DSI • Waste disposal protocols with licensed disposal facilities and/or Municipalities • Excavation waste disposal protocols with Municipalities • Electricity connection and usage permits 	X			<p>Permissions and relevant official letters</p>		Once before the start of construction	<p>Contractor (implementation)</p> <p>Supervision Consultant (supervision)</p>	Included in the cost of construction	
Air Quality: Dust generation around the Project site due to	<p>Dust from exposed work sites will be minimized by applying water on the ground regularly during the dry season.</p> <p>Construction debris shall be kept in a controlled area and sprayed</p>		X		<p>Visual inspection of air quality control measures</p>	X			<p>Contractor (implementation)</p>	Included in the cost of construction

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		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
construction activities, and emissions from construction equipment and vehicles	<p>with water mist to reduce debris dust.</p> <p>Stockpile of aggregate materials will be kept covered to avoid suspension or dispersal of fine soil particles during windy days or disturbance from stray animals.</p> <p>In case of pneumatic drilling during excavation, dust shall be suppressed by ongoing water spraying and/or construction dust screen enclosures at the site.</p> <p>The surrounding environment such as roads, etc. shall be kept free of debris to minimize dust.</p> <p>There will be no burning of construction/waste materials at the site.</p> <p>There will be no excessive idling of construction vehicles at sites.</p> <p>The operation hours of generators/machines/equipment/vehicles will be reduced as appropriate.</p> <p>Vehicle speed will be controlled when driving through community areas is unavoidable so that dust dispersion from vehicle transport is minimized.</p> <p>The trucks that transport materials shall be covered to decrease dust emissions.</p> <p>In villages/neighborhoods with dwellings close to the construction site, such as Bakladamlar, Erimli and Kambertepe protective barriers will be installed to prevent the dwellings from dust if necessary. Dust measurements shall be conducted by an authorized laboratory accordingly if any grievance regarding dust generation is received from the nearest receptors. If measured levels are above limit values, mitigation measures shall be enhanced in this respect, i.e., increasing wet suppression / watering activities, applying non-toxic chemicals, further reducing speed/traffic.</p>				<p>Records of maintenance</p> <p>Records of complaints</p>				Supervision Consultant (<i>supervision</i>)	
Noise: Noise generation due to construction	Especially in Ormanpınar V. where the Project site is very close to the Primary School, and in Kambertepe V. and Bakladamlar V. where the project sites are close to the local mosques; the construction		X		Visual/audial inspection of noise control	X			Contractor (<i>implementation</i>)	Included in the cost of construction

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		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
vehicles and equipment	<p>activities will be limited to the restricted times defined in the national legislation and plan activities in consultation with nearby communities so that the noisiest activities are undertaken during periods that will result in the least disturbance.</p> <p>During operation, the engine covers of generators, air compressors, and other powered mechanical equipment shall be closed, and equipment placed as far as away from residential/community areas as possible.</p> <p>All equipment will be maintained to keep it in good working order by manufacturing maintenance procedures and installing acoustic enclosures around generators to reduce noise levels.</p> <p>When needed and feasible, noise-control methods such as fences, barriers or deflectors (such as muffling devices for combustion engines or planting of fast-growing trees) will be used.</p> <p>Unnecessary use of alarms, horns and sirens will be avoided.</p> <p>Project transportation through community areas will be minimized. A buffer zone (such as open spaces, rows of trees or vegetated areas) between the project site and residential areas will be maintained to lessen the impact of noise to the living quarters.</p> <p>Noise measurements shall be conducted if any grievance regarding noise generation is received from the nearest receptors. If measured levels are above limit values, mitigation measures shall be enhanced in this respect, i.e., installing acoustic barriers for mechanical equipment, limiting the hours of operation for specific pieces of equipment or operations, etc.</p>				measures Records of complaints				Supervision Consultant (<i>supervision</i>)	
Occupational Health and Safety: OHS-related risks due to unsafe practices and hazards at work	<p>When planning activities, following steps should be considered with OHS specialist to avoid people getting injured:</p> <ul style="list-style-type: none"> Construction place: Are there any hazards that could be removed or should warn people about? The people who will be taking part in construction: Do the 	X			Visual inspection Employee records		X		Contractor (<i>implementation</i>) Supervision	Included in the cost of construction

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		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
sites such as work at height, rotating and moving equipment, electrical safety, working with hazardous materials, etc.	<p>participants have adequate skill and physical fitness to perform their work safely?</p> <ul style="list-style-type: none"> The equipment: Are there checks you could do to make sure that the equipment is in good working order? Do people need any particular skills or knowledge to enable them to use it safely? Electricity safety: Do any electricity good practices such as the use of safe extension cords, voltage regulators and circuit breakers, labels on electrical wiring for safety measures, awareness on identifying burning smells from wires, etc. apply at the site? Is the worksite stocked with voltage detectors, clamp meters and receptacle testers? 				Equipment records				Consultant (<i>supervision</i>)	
	<p>Appropriate signposting of the construction sites will inform workers of key rules and regulations to follow.</p> <p>The contractor's OHS specialist will provide a brief daily toolbox talk to the construction workers on OHS risks associated with the construction activity that will be carried out on that particular day that particular day.</p> <p>The Contractor will ensure a safe working environment for the workers and before construction activities will supply appropriate Personal Protective Equipment (PPE) in line with international best practice and Turkish Legislation (hard hats, gloves, dust masks, goggles, harnesses and safety boots, etc.).</p> <p>All activities will be implemented in line with both the Law on Occupational Health and Safety (Official Gazette No:28339, dated June 30, 2012) and its relevant regulations and also with the WBG EHS Guidelines.</p> <p>The Contractor will immediately notify the MoEUCC PIU (through supervision consultants) about any serious incident which may have significant adverse effects on the environment, the affected communities, the public or workers. Then, MoEUCC will notify the</p>	X			<p>Visual inspection of control measures</p> <p>OHS records</p> <p>Employee records</p> <p>Incident statistics and records</p> <p>Records of workers' complaints</p>	X			<p>Contractor (<i>implementation</i>)</p> <p>Supervision Consultant (<i>supervision</i>)</p>	Included in the cost of construction

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		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
	<p>WB about any serious incident in 48 hours and send an incident investigation report together with the root cause analysis and corrective action plan in 30 days to the WB.</p>									
	<p>The worksite will be kept clean and free of debris on a daily basis.</p> <p>First aid kit with bandages, antibiotic cream, etc. will be provided at the construction sites, and controlled regularly (monthly).</p> <p>Following safety guidelines will be ensured for the storage, transport, and distribution of hazardous materials aiming to minimize the potential for misuse, spills, and accidental human exposure.</p> <p>Corrosive fluids and other toxic materials will be kept in properly sealed containers for collection and disposal in properly secured areas.</p> <p>It will be ensured that structural openings are covered/protected adequately.</p> <p>Loose or light material that is stored on roofs or open floors will be secured.</p> <p>It will be ensured keeping hoses, power cords, welding leads, etc. from laying in heavily travelled walkways or areas.</p> <p>During heavy rains or emergencies of any kind, all work will be suspended.</p> <p>The below measures will be followed for construction involving work at height:</p> <ul style="list-style-type: none"> Do as much work as possible from the ground. Do not allow people with the following personal risks to perform work at height tasks: eyesight/balance problem; certain chronic diseases – such as osteoporosis, diabetes, arthritis or Parkinson’s disease; certain medications – sleeping pills, tranquilizers, blood pressure medication or antidepressants; recent history of falls – having had a fall 		X		<p>Visual inspection of control measures</p> <p>OHS records</p> <p>Employee records</p> <p>Incident statistics and records</p> <p>Records of workers’ complaints</p> <p>Training records of workers for specific tasks such as working at height, working with electric, etc.</p>	X		<p>Contractor (<i>implementation</i>)</p> <p>Supervision Consultant (<i>supervision</i>)</p>	Included in the cost of construction	

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		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
	<p>within the last 12 months, etc.</p> <ul style="list-style-type: none"> Only allow people with sufficient skills, knowledge and experience to perform the task. Check that the place (e.g., a roof) where work at height is to be undertaken is safe. Take precautions when working on or near fragile surfaces. Clean up oil, grease, paint, and dirt immediately to prevent slipping; and Provide fall protection measures e.g. safety harness, and simple scaffolding/guard rail for working at height. <p>The contractor shall hire trained operators for the safe operation of specialized vehicles such as forklifts, including safe loading and unloading.</p>									
	<p>Moving equipment with restricted rear visibility is outfitted with audible backup alarms. A flagman will be provided to each moving equipment operator to guide the movement of equipment.</p> <p>The contractor shall mark all energized electrical devices and lines with warning signs. The contractor shall check all electrical cords, cables, and hand power tools for frayed or exposed cords and follow manufacturer recommendations for the maximum permitted operating voltage of the portable hand tools. There must be a leakage current relay in electrical panels.</p> <p>Both trainings and incidents (fatalities, lost time incidents, any significant events including spills, fire, etc.) including near-misses will be recorded.</p>		X		<p>Visual inspection of control measures</p> <p>OHS records</p> <p>Employee records</p> <p>Incident statistics and records</p> <p>Records of workers' complaints</p>	X		<p>Contractor (<i>implementation</i>)</p> <p>Supervision Consultant (<i>supervision</i>)</p>	Included in the cost of construction	

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		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
<p>Community Health and Safety: Community health and safety risks associated with construction activities including traffic and road-related risks (such as risks to the population due to inadequate construction and traffic management) from increased traffic volume and movement of heavy-duty vehicles</p>	<p>The construction area will be surrounded by rope or a similar material and material stocks/storage areas will be kept away from the public. Warning signs will be posted, including in unsafe areas. Children will not be allowed to play in construction areas.</p> <p>All earth borrow-pits will be filled in once construction is completed to avoid standing water, water-borne diseases and possible drowning.</p> <p>The driving speed of vehicles will be controlled particularly when passing through a community or nearby school, children park, health center or other sensitive areas.</p> <p>If school children are in the vicinity, include traffic safety personnel to direct traffic during school hours, especially in Ormanpınar V.</p> <p>A site-specific Traffic Management Plan should be prepared for Ormanpınar V. where the Primary School, sports fields and children's park is very close to the construction site.</p> <p>The project site will be illuminated during the night.</p> <p>The surrounding construction area will be kept clean, without waste disposed of there. The broken glass should be cleaned immediately to avoid any fires.</p> <p>Safety guidelines will be followed for transportation of hazardous materials to the site aiming to minimize the potential for spills and accidental human exposure due to traffic accidents.</p> <p>Regular maintenance of vehicles will be carried out to minimize potentially serious accidents caused by equipment malfunction or premature failure.</p> <p>The local people will be informed about the work to be carried out, including the measures taken regarding communicable diseases relating to labor influx and post-disaster context (i.e., COVID-19 virus), using appropriate communication tools and methods (e.g., online/virtual and/or physically) in areas accessible to all</p>									
			X		<p>Visual inspection of control measures</p> <p>Traffic accident records</p> <p>Records of complaints</p>				<p>Contractor (<i>implementation</i>)</p> <p>Supervision Consultant (<i>supervision</i>)</p>	<p>Included in the cost of construction</p>

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		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
	<p>stakeholders (including work sites).</p> <p>In case of any epidemic or pandemic / communicable disease, including COVID-19, the guidance, guidelines, and recommendations to be provided by the Ministry of Health, the Ministry of Family and Social Services, the Ministry of Labor and Social Security, and the World Health Organization will be followed, and all relevant measures will be taken for both employees and workplaces in terms of OHS and CHS. In addition, all construction works will follow the WB guidelines to minimize the risk of COVID-19 transmission during the execution of civil works.</p> <p>Any traffic diversions should take into account the needs of disabled persons.</p> <p>The Contractor will ensure the construction site is properly secured and construction-related traffic regulated properly (including proper route planning). This will include but not be limited to:</p> <ul style="list-style-type: none"> • Signposting, warnings, barriers, and traffic diversions: the site will be visible, and the public warned of all potential hazards. • Traffic management system and staff training, especially for site access and near-site heavy traffic. Provision of safe passages and crossings for pedestrians where construction traffic interferes. • Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement. • Active traffic management by trained and visible staff at the site, if required for a safe and convenient passage for the public. 									
Land Acquisition and Resettlement:	Since there is no land acquisition or expropriation for the Project's land use, there is no need to prepare a Resettlement Plan (RP).	X			Records of complaints		X		Contractor (implementation)	Included in the cost of

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		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
Involuntary land acquisition and relocation of community members to new resettlement plots (if needed), including livelihood impacts	<p>However, the Contractor will conduct its activities in coordination with the supervision consultant.</p> <p>WB ESS5 will be followed in relevance with the Turkish legislation. There is no physical or economic displacement or resettlement envisaged within the scope of the Project. However, if any damage occurs to third-party assets, lands, crops, etc. during construction activities, the Contractor will compensate the damage according to WB ESS5 requirements, based on the "full replacement cost."</p> <p>In addition, If any damage is done by the project activities to the animals in barns near the construction sites in Bakladamlar V. and Çakmakkaya V., it will be compensated by the Contractor.</p> <p>Categories of stakeholders, particularly the vulnerable groups, will be monitored closely, and Stakeholder Engagement Plan (SEP) and Grievance Redress Mechanism (GRM) will be implemented properly.</p>				Records of compensation payments (if any)				Supervision Consultants (<i>supervision, support to Contractor, if required</i>)	construction
<p>Water Quality and Wastewater:</p> <p>Water pollution in nearby surface waters due to wastewater/waste generated at the construction area due to construction activities</p>	<p>The site will establish appropriate erosion and sediment control measures such as e.g. hay bales and/or silt fences to prevent sediment from moving off-site and causing excessive turbidity in nearby surface waters.</p> <p>Storage or disposal of generated wastewater on the site will be minimized.</p> <p>Temporary or final waste disposal and wastewater discharge without treatment near/in surface waters (such as seasonal creeks in Güleç N. (Erimli) and Ormanpınar V. and/or Köşkar Stream flowing between Kambertepe V. and Güleç N.) is strictly forbidden to prevent possible adverse impacts on surface waters. No soiled materials, solid wastes, toxic or hazardous materials will be stored in, poured into or thrown into water bodies/dry stream beds for dilution or disposal. The training on the waste management/ environmental awareness will definitely include and emphasis those issues.</p>		X		<p>Visual inspection of control measures</p> <p>Septic tank effluent disposal records (if any)</p> <p>Effluent quality measurement records (if any)</p> <p>Records of complaints</p>	X			<p>Contractor (<i>implementation</i>)</p> <p>Supervision Consultant (<i>supervision</i>)</p>	Included in the cost of construction

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		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
	<p>The seasonal creeks within the selected parcels in Güleç N. and Ormanpınar V. will be integrated into project design if feasible and appropriate.</p> <p>Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface waters.</p> <p>The wastewater will be deposited in an impermeable septic tank in accordance with “Regulation on Pit Opening Where Sewer System Construction is not Applicable” published in Official Gazette No: 13783 dated 19.03.1971. Toilets with temporary septic tank might be used for this purpose as well. Septic tank effluent will be removed periodically by sewage trucks, and disposal will be provided within the scope of the protocol to be made with the relevant municipality that has a licensed wastewater treatment plant (WWTP). The Protocol will be submitted to the PIU.</p> <p>If a package WWTP is to be established for the treatment of domestic wastewater to be generated at the construction site for contractor’s workers, necessary design approvals and discharge permits (Environmental Permit) will be received from the relevant governmental authorities.</p> <p>Activities will not affect the availability of water for drinking and hygienic purposes.</p> <p>The flow of natural waters will not be obstructed or diverted in another direction, which may lead to the drying up of river beds or flooding of settlements.</p> <p>Concrete works will be separated from waterways especially seasonal creeks and concrete mixing will be kept separate from drainage leading to waterways</p>									
Soil and Groundwater Quality: Soil and groundwater	Apply the mitigation measures specified in the “Solid and Hazardous Waste” section for proper waste management. Residual (left out) concrete in concrete mixers will not be allowed to wash out into the		X		Visual inspection of control measures	X			Contractor (implementation)	Included in the cost of construction

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Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
pollution due to improper waste management and accidental spills, and soil erosion	<p>construction site, its vicinity, or access roads of construction sites. Related trainings will be provided to concrete mixer drivers.</p> <p>Hazardous and dangerous chemicals and materials will be secured in a designated storage area to prevent spillage and tip-over.</p> <p>Semi-used chemical-containing containers will have lids and lids will be tightened while they are not in use.</p> <p>In case of a spill of any hazardous material or hazardous wastes, spill prevention methods will be put in place in order to limit the exposure area. Workers who might intervene in such incidents will have relevant trainings on emergency response to spills.</p> <p>Proper spill kits will be placed at appropriate locations in the construction area.</p> <p>Construction will be scheduled during the dry season, as appropriate.</p> <p>The length and steepness of slopes will be contoured and minimized.</p> <p>Mulch, grasses or compacted soil will be used to stabilize exposed areas.</p> <p>Topsoil will be covered on the construction areas quickly once work is completed, and they will be re-vegetated (plant grass, fast-growing plants/bushes/trees).</p> <p>Channels and ditches will be designed for post-construction flows and line steep channels/slopes (e.g., with palm frowns, jute mats, etc.).</p>				<p>Incident records</p> <p>Training records</p> <p>Records of complaints</p>				Supervision Consultant (<i>supervision</i>)	
<p>Solid and Hazardous Waste:</p> <p>EHS risks due to inappropriate management of waste generated due to</p>	<p>Wastes will be managed in accordance with the waste management hierarchy (prevent, reduce, reuse, recycle, recover, dispose) and personnel will be trained to raise awareness on waste management.</p> <p>Waste will be segregated as recyclable, hazardous and non-hazardous waste. Mineral construction wastes will be separated from general refuse, organic, liquid, and chemical wastes by on-site</p>		X		<p>Visual inspection of control measures</p> <p>Waste generation</p>	X			<p>Contractor (<i>implementation</i>)</p> <p>Supervision Consultant</p>	Included in the cost of construction

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Elazığ Province Alacakaya and Arıcak Districts Rural Housing Project – Cluster2

Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
<p>construction activities (such as construction demolition wastes, hazardous waste, biodegradable waste, recyclable waste, non-hazardous waste, etc.)</p>	<p>sorting and stored in appropriate containers. Non-hazardous wastes, inert and biodegradable wastes and also recyclables will be collected separately, and special attention will be paid to prevent hazardous wastes from mixing with other types of waste.</p> <p>Collection, storage and transportation of waste to appropriately designated /controlled licensed disposal areas/facilities (such as excavation waste storage areas, sanitary landfills, recycling/recovery facilities, etc.) will be ensured. An official letter will be submitted to PIU stating that these wastes will be accepted at licensed sites</p> <p>Temporary waste storage area (to be established at the construction area) should be on impermeable ground, covered with a roof, and equipped with a suitable drainage system, proper spill kits and appropriate firefighting equipment. Wastes shall be temporarily stored in this area in separate compartments (labeled with waste codes) according to their types in order not to react with each other. Except for medical wastes, hazardous wastes shall be stored in the temporary waste storage area for a maximum of six (6) months and non-hazardous wastes for a maximum of one year. If one thousand kilograms or more per month hazardous waste is produced, a temporary storage permit should be obtained from the PDoEUCC.</p> <p>Excavation waste will be re-used for backfilling purposes as much as possible and recovery and other re-use options will be considered as appropriate. The excess excavation waste shall be transported and disposed of separately by licensed transport vehicles to existing licensed excavation waste storage area(s), identified by the relevant governmental authorities, in the district/region. Municipal solid waste will be collected by the relevant municipality within the scope of the protocol to be made. Hazardous waste shall be transferred to a licensed disposal facility via licensed waste transportation companies, and recyclable wastes to a relevant licensed recycling/recovery facility. All protocols shall</p>				<p>and disposal records</p> <p>Training records</p> <p>Records of complaints</p>				(supervision)	

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Elazığ Province Alacakaya and Arıcak Districts Rural Housing Project – Cluster2

Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
	<p>be submitted to the PIU.</p> <p>On-site storage of wastes prior to final disposal (including earth dug for foundations) should be at least 300 meters from rivers, streams, lakes and wetlands.</p> <p>A secured area will be used for refueling and transfer of other toxic fluids distant from the settlement area (and at least 50 meters from drainage structures and 100 meters from important water bodies); ideally on a hard/non-porous surface.</p> <p>Workers will be trained on correct transfer and handling of fuels and other substances and require the use of gloves, boots, aprons, eyewear and other protective equipment for protection in handling highly hazardous materials.</p> <p>Small amounts of maintenance materials such as oily rags, oil filters, used oil, etc. will be collected and properly disposed of. Spent oils will never be disposed of on the ground and in water courses as they can contaminate soil and groundwater (including drinking water aquifers).</p> <p>After each construction site is decommissioned, all debris and waste shall be cleared.</p> <p>All records of waste generation and disposal will be kept.</p> <p>Whenever feasible, the Contractor will reuse and recycle appropriate and viable materials.</p> <p>Temporarily storage on site of all hazardous or toxic substances will be in safe containers labeled with details of composition, properties, and handling information. The containers of hazardous substances shall be placed in a leak-proof container to prevent spillage and leaching.</p> <p>It is forbidden to use unapproved toxic materials including lead-based paints, un-bonded asbestos, etc.</p>									
Stakeholder	The relevant measures suggested in the SEP will be taken and		X		Records of		X		PIU	Included in

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Elazığ Province Alacakaya and Arıcak Districts Rural Housing Project – Cluster2

Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
Engagement and Grievance Mechanism: Construction-related complaints and temporary disruption to the local community including eligible property owners	<p>followed.</p> <p>Early liaison and effective communication will be carried out with local people (including those with special needs) who may be affected by the work of the contractor and supervision consultant.</p> <p>A liaison program will be implemented during the construction process to make sure that the local environment is overseen and the well-being of residences is protected.</p> <p>The supervision consultant will appoint a certain person(s) accountable for community liaison. This person(s) will engage with the community to provide the appropriate information and to be the first line of response to resolve issues of concern.</p> <p>Grievance boxes will be located mostly at the separate (female and male) entrances of the mosques, and the entrances of condolence houses. Additionally, demands and needs of the locals will be collected at the participation meetings. The locations of the boxes should and will be accessible by all, especially by disadvantaged groups like women, children, and disabled people. Moreover, the needs, demands and complaints of local people and right holders will be collected via a designated telephone number (i.e., via WhatsApp, direct messages and direct calls). Accordingly, the Project Grievance Redress Mechanism will be operated by the opening and closing of forms and complaints.</p> <p>The names and contact telephone numbers and e-mail addresses of all site personnel with responsibilities for both supervision and management of the works will be displayed on the site hoarding.</p> <p>The owners of the 2 graves near the transformer building in Ormanpınar V. will be informed and the graves will be controlled monthly for any damage related to the project's construction activities by taking dated photographs.</p> <p>Gendarmerie station in Güleç N. and guards in the Guard House in Ormanpınar V. will be informed regarding the construction</p>				<p>complaints</p> <p>Stakeholder engagement records</p>				<p>Contractor (<i>implementation</i>)</p> <p>Supervision Consultant (<i>supervision</i>)</p>	the cost of construction

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Elazığ Province Alacakaya and Arıcak Districts Rural Housing Project – Cluster2

Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
	<p>activities to avoid any social conflict/disturbance.</p> <p>Once planning consent is obtained, those who could potentially be affected by the construction of the rural houses will be informed via the mukhtar of the neighborhood/village. The consultation will be proceeded with the relevant E&S risk management instruments.</p> <p>Outside normal working hours, security personnel will act as the main point of contact via a designated phone number. Security will alert the person(s) accountable for liaison, if necessary (available 24 hours).</p> <p>All workers will sign/commit to and be trained on the Code of Conduct to manage the potential adverse impacts on social cohesion and Sexual Exploitation and Abuse/Sexual Harassment (SEA/SH) risks.</p> <p>Any complaints will be logged, fully investigated, and responded to quickly, with some suitable advice about the action to be taken. Complaints will be registered and reported to the Contractor, Supervision Consultant and also PIU.</p> <p>Public notice boards will be set at site entrances providing contact details of the person(s) accountable for liaison.</p>									
<p>Labor and Working Conditions:</p> <p>Risks associated with potential labor influx and presence of worker camps (such as accommodation conditions, child labor risks, gender-based violence and harassment, human rights risks, etc.) and</p>	<p>The relevant measures in labor management plan to be prepared in accordance with project LMP will be followed.</p> <p>Workers will be provided with information and documentation that is clear and understandable regarding their terms and conditions of employment such as their rights under national labor and employment law (which will include any applicable collective agreements).</p> <p>Workers will be paid on a regular basis as required by national law and project LMP.</p> <p>Workers will be provided with adequate periods of rest per week, annual holiday and sick, maternity and family leave, as required by</p>		X		<p>Visual inspection of control measures</p> <p>Health records</p> <p>Employee records</p> <p>Training records</p>		X		<p>Contractor (<i>implementation</i>)</p> <p>Supervision Consultant (<i>supervision</i>)</p>	Included in the cost of construction

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Elazığ Province Alacakaya and Arıcak Districts Rural Housing Project – Cluster2

Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
other labor issues	<p>national law and project LMP.</p> <p>Workers will receive written notice of termination of employment and details of severance payments in a timely manner.</p> <p>Workers will be employed on the principle of equal opportunity and fair treatment, and there will be no discrimination with respect to any aspects of the employment relationship.</p> <p>Project workers, including specific groups of workers, such as women, people with disabilities, migrant workers and children of working age, will be provided with appropriate measures of protection and assistance in line with ESS2 of WB ESF. This process will be executed in accordance with the project LMP.</p> <p>Workers are allowed to participate, or seek to participate, in workers' organizations and collective bargaining or alternative mechanisms.</p> <p>Children under the minimum age of 18 will not be employed or engaged by the Contractor in connection with this sub-project.</p> <p>Forced labor, which consists of any work or service not voluntarily performed that is exacted from an individual under threat of force or penalty, will not be used in connection with this sub-project.</p> <p>A worker's GRM will be established by the Contractor at the construction site for all workers to raise workplace concerns. Contact details of the worker's GRM will be provided.</p> <p>All workers will receive training about their rights under national labor and employment law and regarding the GRM upon recruitment and before the implementation of the work.</p> <p>Code of Conduct will be shared with project workers during employment. All workers are obliged to comply with the Code of Conduct and sign relevant documentation at the time of employment.</p> <p>Movement in and out of the construction site will be controlled, and</p>				Records of workers' complaints					

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Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
	<p>unauthorized access to the site will be prevented.</p> <p>Contractor will confirm that workers are fit for work before they start work, paying special attention to workers with underlying health issues or who may be otherwise at risk.</p> <p>The Contractor shall provide information and awareness of communicable diseases to workers.</p> <p>The Contractor shall arrange safe drinking water, adequate toilet facilities, accommodation, rest and dining areas for the workers.</p> <p>The Contractor shall provide a first aid kit with bandages, antibiotic cream, etc. or health care facilities, and shall identify and train an adequate number of workers to provide first aid during medical emergencies.</p> <p>The Contractor will comply with the provisions of Workers' Accommodation: Processes and Standards – A Guidance Note by International Finance Corporation (IFC) and European Bank for Reconstruction and Development (EBRD) for the conditions of camp sites/worker accommodation areas.</p>									
Cultural Heritage: Chance find	<p>Cultural or historic sites will not be disturbed.</p> <p>If encountered with any cultural heritage/assets, chance find, during construction works (especially excavation and earthworks), the chance finds procedure (see Annex-9 of ESMF of the project) will be implemented.</p>		X		Chance find records		X		Contractor (<i>implementation</i>) Supervision Consultant (<i>supervision</i>)	Included in the cost of construction
Biodiversity: Potential risks to flora and fauna due to construction activities and improper waste management	<p>If trees need to be cut in new resettlement plots, at least two times more than the trees cut will be planted at the site (preferably a site in the nearby region) identified by the General Directorate of Forestry.</p> <p>There will be no cutting of trees or destruction of vegetation other</p>	X			Tree plantation records			X	PIU	Included in the cost of construction
			X		Visual inspection of control	X			Contractor	Included in the cost of

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Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
	than on construction site. No hunting, capture of wildlife or collection of plants are allowed.				measures				(implementation) Supervision Consultant (supervision)	construction
Specific to Rural Road Construction Works										
General Considerations	Road construction in unstable soils, steep slopes and nearby stream banks will be avoided. Additional measures (see the section below on slope protection) need to be applied where there is no alternatives for road alignments.	X			Design approval	Once during design			PIU	
	Placement of all construction waste (including earth cuts) to approved disposal sites (at >300 m from streams,) will be controlled. Erosion control measures should be implemented before the rainy season begins, preferably immediately following construction. The measures will be maintained and reapplied until vegetation is successfully established. Sediment control structures should be applied where needed to slow or redirect runoff and trap sediment until vegetation is established.		X			Visual inspection of control measures	X			Contractor (implementation) Supervision Consultant (supervision)
Slope protection	Protect slopes from erosion and landslides by the following measures: <ul style="list-style-type: none"> Indigenous Species, fast-growing grass on slopes prone to erosion. These grasses help stabilize the slope and protect soil from erosion by rain and runoff. Locally available species possessing the properties of good growth, dense ground cover and deep root shall be used for stabilization. Provide interceptor ditch, particularly effective in areas of high-intensity rainfall and where slopes are exposed. This 		X		Visual inspection of control measures	X			Contractor (implementation) Supervision Consultant (supervision)	Included in the cost of construction

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Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
	<p>type of ditch intercepts and carries surface run-off away from erodible areas and slopes before reaching the steeper slopes, thus reducing the potential surface erosion.</p> <ul style="list-style-type: none"> For steep slopes, a stepped embankment (terracing) is needed for greater stability. Place a retaining wall at the lower part of the unstable slope. The wall needs to have weeping holes for drainage of the road sub-base, thus reducing pressure on the wall. Rocks (riprap) can be used in addition to protect the slope. Prevent uncontrolled water discharge from the road surface by sufficiently large drainage ditches and to drain water away from the downslope. 									
Specific to Wastewater Systems										
General Considerations for Septic Tanks (If used by the Contractor during construction)	<p>Septic tanks must have a vent pipe to prevent the build-up of gas inside the chamber and shall have a 'manhole' that provides access inside the tank if needed.</p> <p>It will be ensured that the septic tanks have two chambers: the first chamber is for settling sludge, and the second chamber is for aerobic treatment. These chambers will generally treat wastewater better. Partially treated septic tank effluent can pollute groundwater and surface water. If this is not possible, septic tanks will be impervious and designed in accordance with "Regulation on Pit Opening Where Sewer System Construction is not Applicable" published in Official Gazette No: 13783 dated 19.03.1971.</p>	X			Design approval	Once during design			PIU	Included in the cost of construction
	<p>The effluent of septic tank will not be discharged to an open drain or other surface water. The effluents need to be treated before final disposal. This may be achieved through (i) an underground leach field, (ii) a vegetated leach field, or (iii) a pit for soaking away. If this is not possible, septic tank effluent will be removed periodically by sewage trucks, and disposal will be provided within the scope of the</p>		X		Effluent disposal records (if any) Records of community		X		Local Authority (Mukhtar, municipality)	Included in the cost of construction

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Potential Risks and Impacts	Proposed Mitigation Measures	Phase			Indicators for monitoring	Frequency			Responsibility for Implementation and Monitoring	Estimated Cost
		Planning	Construction	Operation		Continuous	Monthly	Quarterly		
	<p>protocol to be made with the relevant municipality that has a licensed wastewater treatment plant.</p> <p>Community awareness should be raised so that the community inspects the septic tanks periodically and ensures that the septic tanks are emptied every few years for the tank to continue to function properly.</p>				<p>awareness activities</p> <p>Records of complaints</p>					
<p>General Considerations for PWWTP (If used by the Contractor during construction for their workers))</p>	<p>Design approval of the PWWTPs for the treatment of domestic wastewater generated by the workers will be taken before the construction.</p> <p>PWWTP and discharge permits (Environmental Permits) will be received from the relevant governmental authorities before its operation.</p> <p>It will be ensured that the PWWTP is operating in accordance with the requirements and that the wastewater quality complies with national discharge standards.</p>	X		X	<p>Design approval</p> <p>Environmental Permits</p> <p>Wastewater quality analysis</p>	<p>Once during design and once before operation</p>			<p>Contractor (<i>implementation</i>)</p> <p>Supervision Consultant (<i>supervision</i>)</p>	<p>Included in the cost of construction</p>

7 Reporting Structure

The Contractor holds the responsibility for recording, reporting, and analyzing the performance regarding the E&S aspects of the Project activities. A transparent record system must be maintained, presenting the monitoring indicators specified in Table 11. Environmental and Social Management Plan. Before commencing construction works, the Contractor's Environmental and Social Management Plan (C-ESMP) must be submitted and approved, without which no construction activity under the Project shall proceed. The CESMP should include, at minimum, the following site-specific management plans: OHS Plan incorporating Risk Assessment Report and Emergency Response Plan, Community Health and Safety and Traffic Management Plan, Waste Management Plan, Pollution Prevention Plan, Water Supply and Wastewater Management Plan.

It is advisable for the Contractor to utilize checklists for routine checks and inspections. Visual inspections are essential during site operations, but without keeping records of inspections, an effective inspection system and areas for ongoing improvement cannot be tracked and assessed. The Contractor should develop daily checklists based on the matters outlined in Table . Additionally, weekly, bi-weekly and monthly checklists should be used to review issues requiring inspection at different frequencies; for example, weekly visual audits for temporary waste storage or chemical/hazardous material storage areas, and bi-weekly for workers' accommodation area (camp site) and kitchen/site cafeteria. The Contractor is responsible for developing checklists for periodic inspections of Contractor's units.

Utilizing tracking lists will assist the Contractor in monitoring discrepancies identified during internal audits and tracking incidents and accidents. Any issues identified as needing improvement must be followed up with proposed preventive/corrective actions (PCA). The monitoring system should specify the person responsible for these actions and a timeframe for completion. In the event of an incident or accident, records must be maintained, including a description of the incident/accident (including plans and photographs), type, outcome, condition of the involved person/material, elimination of the incident/accident, root cause analysis (RCA) and evaluation report, direct and root causes, the unit/person responsible for PCA as identified through the RCA, and the time required to complete the identified action. Monitoring is crucial for the Contractor's quality monitoring and improvement system.

The Contractor is required to prepare Monthly E&S Progress Reports and submit them to EMAY within the first week of each month. EMAY and the Contractor will regularly review checklists, tracking lists, and the Contractor's Monthly E&S Progress Reports. Audits will be conducted accordingly.

Under the audit contract, EMAY will develop Monthly Progress Reports concerning the implementation progress/status of the this ESMP and Grievance Redress Mechanism. Moreover, EMAY will prepare Quarterly Reports and a Final Audit Report encompassing the Contractor's environmental and social performance.

Appendices

Appendix 1. Site Photographs

Site Photographs of Bakladamlar V.





Site Photographs of Çakmakkaya V.



Site Photographs of Erimli (Güleç N.)





Site Photographs of Kambertepe V.







Site Photographs of Ormanpınar V.





Appendix 2. List of the Screening Studies

The following Environmental and Social Screening Studies have been conducted and reported for the sub-projects which have been included in this ESMP:

- Alacakaya District Bakladamlar Village Rural Housing Project on 138/1 Parcel
- Alacakaya District Çakmakkaya Village Rural Housing Project in a new location
- Arıcak District Erimli Village Rural Housing Project on 180/1 Parcel
- Arıcak District Kambertepe Village Rural Housing Project on 122/1 and 122/2 Parcels
- Arıcak District Ormanpınar Village Rural Housing Project on 106/1 Parcel

Appendix 3. The Photos of Public Disclosure of the ESMP dated 24.03.2024 and 06.07.2024



Bakladamlar



Çakmakkaya



Erimli

TERRP

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Kambertepe



Ormanpınar

Appendix 4. ESMP Information Meetings Participant Lists

Within the scope of the Law on the Protection of Personal Data No. 6698, the clear identity information of the participants cannot be shared. However, the recordings of the meetings are kept by the PUB.

Appendix 5. Stakeholder Engagement Meeting Presentation

THE WORLD BANK

KIRSAL ALANDA DEPREM İYİLEŞTİRME VE YENİDEN YAPIM PROJESİ (KADİYAP)

Alacakaya ve Arıcak İlçeleri Kırsal Konut Projesi
Bakladamlar Köyü

PAYDAŞ KATILIM TOPLANTISI
04.04.2024
11:00

emay

PROJE HAKKINDA

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

PROJE YÖNETİMİ


Proje Yönetim Birimleri:

BANKA: Finansmanı Sağlayan Kuruluş, *Dünya Bankası*

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

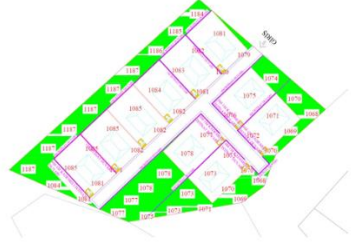
MÜTEAHHİT: İnşaat İşini Yapan Firma, *Danyal Yapı İnş. & AGV Yapı*

MÜŞAVİR: İnşaatı Denetleyen Firma,
EMAY Uluslararası Mühendislik ve Müşavirlik Anonim Şirketi



KADİYAP Bileşen 3:
Kırsal Konut
Yeniden İnşası ve
İyileştirmesi

**BAKLADAMLAR
KÖYÜ KIRSAL
KONUTLARI**



KADİYAP Bileşen 3:
Kırsal Konut
Yeniden İnşası ve
İyileştirmesi

**BAKLADAMLAR
KÖYÜ KIRSAL
KONUTLARI
VAZİYET PLANI**




TİP-1 EV
105,05 m² +
14,04 m² VERANDA
3 + 1
BETONARME

Çevresel Konuların Yönetimi

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

PROJENİN ÇEVRESEL VE SOSYAL DOKÜMANLARI

ÇEVRESEL VE SOSYAL YÖNETİM PLANI (ÇSYP)



- Çevresel ve Sosyal Yönetim Planı (kısaça ÇSYP) olası çevresel ve sosyal etkilerin azaltılması için ihtiyaç duyulan tedbirlerin yer aldığı, bu etki ve önlemlerin nasıl ve ne şekilde uygulanması ve yönetilmesi gerektiğini ortaya koyan bir plandır.
- Müşavir Firma ile çevresel ve sosyal uzmanlar ÇSYP'nin etkin bir şekilde oluşturulması için 12-13-14 Ocak 2024 tarihlerinde alt proje sahalarına ziyarette bulunmuşlardır.
- Bu saha ziyaretleri kapsamında hem muhtar ile görüşme yapılmış hem de seçilen parselin çevresel ve sosyal değerlendirilmesi yerinde gerçekleştirilmiştir.
- Bu görüşme ve görüşmeler neticesinde Çevreçik Köyü Kırsal Konut İnşaat Projesinin de dahil olduğu bir Çevresel ve Sosyal Yönetim Planı hazırlanmıştır.
- Bu kapsamda öngörülen riskler ve etkilerine göre Çevresel ve Sosyal risk seviyesi «Orta» olarak değerlendirilmiştir.
- Belirlenen çevresel ve sosyal etki ve riskler ÇSYP'de belirtilen önlemlerin uygulanması, tedbirlerin alınması ile çözülebilir.

Çevresel Konuların Yönetimi

- Gerekli çevresel izinler alınacaktır.
- İlgili çevre ve sosyal sorumluluk belirlenecektir.
- 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.
- Tüm çalışanlara ilgili çevresel eğitimler verilecektir.
- Tüm çevresel kaza ve olaylar raporlanacak ve kayıt altına alınacaktır.

İzinler, Organizasyon, Eğitimler, Raporlama

İş Sağlığı ve Güvenliği Yönetimi

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

İş Sağlığı ve Güvenliği Yönetimi

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

- Yüksekte Çalışma
- Yüksekten düşme sonucu yaralanma
- Makinaların uygunsuz kullanımı
- Düzensiz iş yeri
- Kişisel Koruyucu Donanımların kullanılmaması

İş Sağlığı ve Güvenliği Yönetimi

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

Tehlike	Risk	Tedbir/Önlem	Eğitim	Telafi ve İz Kontrol	Raporlama
Yüksekte Çalışma	Yüksekten düşme sonucu yaralanma	Yüksekte çalışmaktan kaçınmak, İlgili kişisel koruyucu donanımları kullanmak.	Aylık, haftalık, günlük İSG eğitimlere katılım sağlamak ve uygulamak	İlgili sorumlular tarafından düzenli saha turları yapılması, ve kontrol kayıtlarının tutulması	Günlük, haftalık, aylık raporların düzenlenmesi.

PROJENİN ÇEVRESEL VE SOSYAL DOKÜMANLARI İŞGÜCÜ YÖNETİM PLANI (İYP)

İYP, projenin inşaat öncesi, inşaat ve işletme aşamalarında geçerli olan, işgücü ve çalışma koşullarına ilişkin gereklilikleri açıklayan bir dokümandır.

Tüm çalışanlara adil muamele yapılarak eşit fırsatların tanınması ve ayrımcılık yapılmaması için gerekli uygulamaları teşvik eder ve uygulamaya koyulmasını sağlar.

Proje çalışanlarının kendilerinin ve haklarının korunması ve işgücü ile ilgili risklerin yönetilmesi için gerekli altyapının sağlanmasını hedefler.

İYP işgücü ve çalışma koşullarına uygunluk, raporlama, roller ve sorumluluklar, izleme ve eğitim açısından gereksinimleri ve beklentileri açıklar.

Acil Durum Hazırlık ve Müdahale

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

Acil Durum Hazırlık, Acil Durum Müdahale, Acil Durum Sonrası Aksiyon

Acil Durum Hazırlık ve Müdahale

Düzenleyici faaliyetlerin belirlenmesi ve uygulamaya koyulması

Acil Durum Hazırlık, Acil Durum Müdahale, Acil Durum Sonrası Aksiyon

Acil Durum Ekipleri

- Kurtarma
- Koruma
- Söndürme
- İlk Yardım

Acil Durum Hazırlık, Acil Durum Müdahale, Acil Durum Sonrası Aksiyon

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 Şikâyet Mekanizması etkin bir şekilde uygulanacaktır.

Paydaş kimdir?

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

- ✓ Kredi veren kuruluşlar
- ✓ Proje sahibi, proje yürütücüsü..
- ✓ Ulusal ve yerel devlet kurum ve kuruluşları
- ✓ Proje alanına yakın yerleşimler
- ✓ Proje kapsamında arazisi edinilen PEK'ler.. (Proje alan 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..
- ✓ Yüklenci ve ona bağlı çalışanlar..

Neden Paydaş Katılım Toplantıları Düzenlenir?

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

PROJENİN ÇEVRESEL VE SOSYAL DOKÜMANLARI

Şikâyet Çözüm Mekanizması (ŞÇM)

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

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

Şikâyet Çözüm Mekanizmasındaki Temel Değerler:

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

Şikâyet/Öneri/Talep İletim Kanalları

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

Şikâyet İletim Kanalları

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

Çağrı Merkezi : Alo 181
Telefon : 0312 586 48 27
Whatsapp Şikâyet Hattı : 0530 747 24 81
E-Mail : yigmkadev@csb.gov.tr
Şikâyet Formu : <https://kadiyaponeri.csb.gov.tr/>

Şikâyet Kutularının Yeri

Çalışan Personeller için;

- Şantiye Alanlarında

Köy Halkı için;

- Camilerin Kadın ve Erkek Girişlerinde

Şikâyet İletim Kanalları



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



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

SON OLARAK...

Projeyle ilişkin çevresel ve sosyal tüm dokümanlara nereden ulaşılabilir?

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


T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI


THE WORLD BANK
İKLİM VE ÇEVRE

Soru ve Görüşleriniz Bizim İçin Değerlidir...





Appendix 6. Stakeholder Engagement Meeting Photos



Appendix 7. Project Brochure

Yerleşim Planları



Bakladamlar Köyü



Çakmakkaya Köyü



Erimli Köyü



Ormanpınar Köyü



Kambertepe Köyü

ŞİKAYET İLETİM KANALLARI

Bize Ulaşın... Bize Ulaşın... Bize Ulaşın...

1 Müteahit: Danyal Yapı İnş. Enj. Dan. San. ve Tic. A.Ş. - AGV Yapı Tic. Ltd. Şti. İş Ortaklığı
Sorumlu Kişi: Şafak TAYŞİ (Proje Sorumlusu)
Telefon: +90 545 148 88 34
E-Posta: safaktaysi@gmail.com

2 Müşavir: EMAY Ulus. Müh. ve Müş. A.Ş.
Sorumlu Kişi: Mehmet ERK
Telefon: +90 542 829 57 81
E-Posta: ustuyapiankara@emay.com

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)

Elazığ İli Arıcak ve Alacakaya İlçesi 171 Adet Kırsal Konut Yapımı



KADİYAP HAKKINDA

KADİYAP Projesi; Türkiye'de 6 Şubat depreminden etkilenen seçilmiş illerde halkın depreme dayanıklı konutlara yeniden erişimini amaçlamaktadır. Elazığ, Kahramanmaraş, Malatya, ve Adıyaman illerinde yıkılan kırsal konutlar altyapıları ile birlikte yeniden inşa edilecektir. Elazığ ili, Arıcak ve Alacakaya ilçesine bağlı Erimli, Kambertepe, Çakmakkaya, Bakladamlar ve Ormanpınar köyleri KADİYAP kapsamında alt proje olarak seçilmiştir.



ŞİKAYET ÇÖZÜM MEKANİZMASI

• Şikâyetin ALINMASI	1-2 Gün içinde
• Şikâyetin KAYDEDİLMESİ	1-2 Gün içinde
• Şikâyetin ONAYLANMASI	7-10 Gün içinde
• Şikâyetle ilgili gerekli aksiyonların TANIMLANMASI	7-10 Gün içinde
• Şikâyet sahibinin BİLGİLENDİRİLMESİ	15-30 Gün içinde
• Şikâyetle ilgili gerekli aksiyonların ALINMASI	15-30 Gün içinde
• Şikâyetin KAPATILMASI	15-30 Gün içinde

İletişimde şeffaflığı ve sürekliliği sağlamak amacıyla **Şikâyet 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 171 olarak belirlenmiştir. AFAD tarafından seçilen yerleşim yeri; Çevre, Şehircilik ve İklim Değişikliği Bakanlığı tarafından onaylanmıştır. Yerleşim Planı EMAY Müşavirlik tarafından hazırlanmıştır.

ALT PROJE YERLEŞKESİNDE DEPREME DAYANIKLI 171 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 12 ay olması beklenmektedir. İhaleyi kazanan Yüklenici firma arazi hazırlama ve inşaat faaliyetlerini gerçekleştirecektir.






Appendix 8. Project Poster

KIRSAL ALANLARDA DEPREM İYİLEŞTİRME VE YENİDEN YAPIM PROJESİ (KADİYAP)

Elazığ İli Arıcak ve Alacakaya İlçesi 171 Adet Kırsal Konut
Yapımı

Erimli, Kambertepe, Çakmakkaya, Bakladamlar ve
Ormanpınar Köyleri

Konut Yerleşkesi Bilgileri

İnşa Edilecek Konut Sayısı: 171
Her Konutun Yeşil Alanla Birlikte Toplam Alanı: 600 m²
İnşaat Süresi: 12 ay



Şikayet Çözüm Mekanizması

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.



Bize Ulaşın... Bize Ulaşın... Bize Ulaşın... Bize Ulaşın... Bize Ulaşın... Bize Ulaşın... Bize Ulaşın... Bize Ulaşın...

Müşavir: Danyal Yapı İnş. Enj. Dan. San. ve Tic. A.Ş. - AGV Yapı Tic. Ltd. Şti. İş Ortaklığı
Mühür: EMAY Uluslararası Müh. ve Müh. A.Ş.
İdare: Çevre, Şehircilik ve İklim Değişikliği Bakanlığı, Yapı İşleri Genel Müdürlüğü

Sorumlu Kişi: Şafak TAYŞI (Proje Sorumlusu)
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E-Posta: safaktaysi@gmail.com

Sorumlu Kişi: Mehmet ERK (Mimar)
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