



**REPUBLIC OF TÜRKİYE**  
**MINISTRY OF ENVIRONMENT, URBANIZATION AND CLIMATE CHANGE**  
**GENERAL DIRECTORATE OF CONSTRUCTION AFFAIRS**



**Seismic Resilience & Energy Efficiency in Public Buildings**  
**Project (SREEPB)**

**Structural Assessment, Energy Audit, Structural-Energy Retrofit Design**  
**and Construction Supervision Consultancy Services**  
**for the Tunceli Government Buildings**  
**(WB/CS-DESSUP-05)**

**ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN**

**TUNCELİ GOVERNMENT HOUSE**

**SEPTEMBER 2025**

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## **Abbreviations**

BP	Bank Procedure
CİMER	Presidency's Communication Center
Consultant	TİMA & OBS
C-ESMP	Contractor Environmental and Social Management Plan
dBA	Noise Assessment Measure (According to A curve)
dBC	Noise Assessment Measure (According to C curve)
E&S	Environmental and Social
E-ÇBS	Integrated Environmental Information System
EIA	Environmental Impact Assessment
EHS	Environment, Health and Safety
ESF	Environmental and Social Management Framework
ESIA	Social Impact Assessment
ESMP	Environmental and Social Management Plan
ESS	Environmental and Social Standards
GBV	Gender-based Violence
GDCA	General Directorate of Construction Affairs
GHG	Greenhouse Gases
GM	Grievance Mechanism
HAYEF	Hasan Âli Yücel Faculty of Education
IFC	International Finance Corporation
ILO	International Labour Organization
LC Max	Peak Value of C-weighted RMS Sound Level Measured in dBC Over the Measurement Period
LLST	Label Lock Secure Test
LMP	Labor Management Plan
MoEUCC	Ministry of Environment, Urbanisation and Climate Change
MSDS	Material Safety Data Sheet
OHS	Occupational Health and Safety
PIU	Project Implementation Unit
PPE	Personal Protective Equipment
SEA	Sexual Exploitation and Abuse
SEF	Stakeholder Engagement Framework
SES	Solar Energy System
SH	Sexual Harassment
SPS	Solar Power System
SREEPB	Seismic Resilience and Energy Efficiency in Public Buildings
TSE	Turkish Standards Institute
TSVS	School of Technical Sciences Vocational
WHO	World Health Organization
VHS	Vocational Higher School
WB	World Bank
WBG	World Bank Group
WMP	Workforce Management Plan
YİMER	Foreign Communication Center



## **Executive Summary**

Seismic Resilience and Energy Efficiency in Public Buildings (SREEPB) Project will support the structural reinforcement and renovation or demolition and reconstruction of public buildings with high seismic risk and low energy efficiency, such as dormitories, social service institutions, government houses, and hospitals. Within this scope, one of the buildings included in this sub-project, referenced as WB/CS-DESSUP-05, is the Tunceli Government House.

This Environmental and Social Management Plan (ESMP) provides information on the structural retrofitting and energy efficiency-oriented renovation works to be carried out at Tunceli Government House located at Atatürk Mahallesi, 15 Temmuz Şehitler Bulvarı, Tunceli province. It sets forth the measures to be taken in order to keep the potential environmental and social impacts of the renovation activities at an acceptable level and/or to eliminate them.

This document has been evaluated according to the national and international regulations governing the aforementioned works. Additionally, this ESMP provides information on stakeholder engagement activities to be carried out within the project scope and the establishment of a grievance mechanism (GM), while also detailing the roles and responsibilities of the relevant parties in the project.

## **Introduction**

This Environmental and Social Management Plan (ESMP) aims to clearly outline the measures to be taken during the implementation phases of structural reinforcement and energy efficiency-focused activities at Tunceli Government House located at Atatürk Mahallesi, 15 Temmuz Şehitler Bulvarı, Tunceli province.

The plan specifies who will implement the measures, when, how often, and in what manner they will be applied, with the goal of maintaining or eliminating any potential adverse environmental and social impacts during the work. It also includes the necessary precautions regarding occupational health and safety.

Additionally, this ESMP provides information on stakeholder engagement activities and the establishment of a grievance mechanism (GM) within the project, detailing the roles and responsibilities of the relevant parties.

This ESMP has been prepared in compliance with Turkish laws and regulations, as well as the policies and measures of the World Bank.

## **1. General Project and Project Site Information**

### **1.1 Project Description**

#### **1.1.1. General Information & Objectives**

The main objective of the Seismic Resilience and Energy Efficiency in Public Buildings (SREEPB) Project is to strengthen public buildings that are inefficient in energy use and at high seismic risk (such as educational buildings, dormitories, hospitals, and administrative buildings) against earthquakes, while also improving energy efficiency in these buildings. Additionally, the project aims to increase public awareness by constructing earthquake-resistant and energy-efficient buildings.

The project involves determining the seismic behavior of the foundations and structural systems of existing public buildings with different uses, and working to eliminate risks through structural reinforcement. The project also aims to improve energy efficiency, reduce energy consumption and CO<sub>2</sub> emissions, monitor and control energy consumption, address the current energy deficit, and create a model to make all public buildings in Türkiye energy-efficient after the project is completed. This will also contribute to the development of the sector and raise awareness.

The structural reinforcement works in the project include building structural system renovations and additions, as well as ground reinforcement works if necessary. The energy efficiency-focused works cover facade and roof insulation, replacement of facade components such as windows and doors, mechanical system revisions, changes in HVAC systems, revisions and changes in ventilation systems, integration of building energy monitoring and automation systems into the existing electrical system, and the installation of solar panels for electricity generation.

Within the framework of the World Bank's Environmental and Social Framework (ESF) and the defined Environmental and Social Standards, the SREEPB Project is considered to have a "Moderate" level Environmental and Social Risk Rating. This is due to the fact that the activities to be carried out will not cause irreversible adverse environmental and social impacts and risks, any potential effects/risks are expected to be temporary and reversible, the scale and nature of the potential effects/risks are moderate, and the sub-project areas are not located in sensitive environmental or social areas. Additionally, no significant adverse impacts on human health and the environment are anticipated from the project activities.

The Tunceli Government House included in the scope of this Environmental and Social Management Plan (ESMP) is located at Atatürk Mahallesi, 15 Temmuz Şehitler Bulvarı, Tunceli province.

The construction activities cover the Tunceli Government House, which consists of 5 blocks. These blocks will be evacuated by the Beneficiary during the construction works. However, the impacts will be kept to a minimum through the measures to be implemented. All necessary precautions will be taken to ensure that other nearby buildings/structures or the district are affected by the project activities only at acceptable levels, and all such measures are detailed in Table 6

It is anticipated that the activities carried out as part of the construction works, due to their nature, will cause minimal environmental and social impacts that are not critical within the scope of the current project boundaries. Within the Environmental and Social Standards defined in the World Bank's Environmental and Social Framework (ESF), the SREEPB Project is assessed with a Moderate level Environmental Risk Rating because the planned activities will not create permanent negative environmental and social impacts or risks, the potential impacts are expected to be temporary and reversible, the scale and nature of the potential impacts/risks are moderate, and the sub-project areas are not in environmentally or socially sensitive locations. It is also not expected that these activities will cause significant adverse effects on human health or the environment.

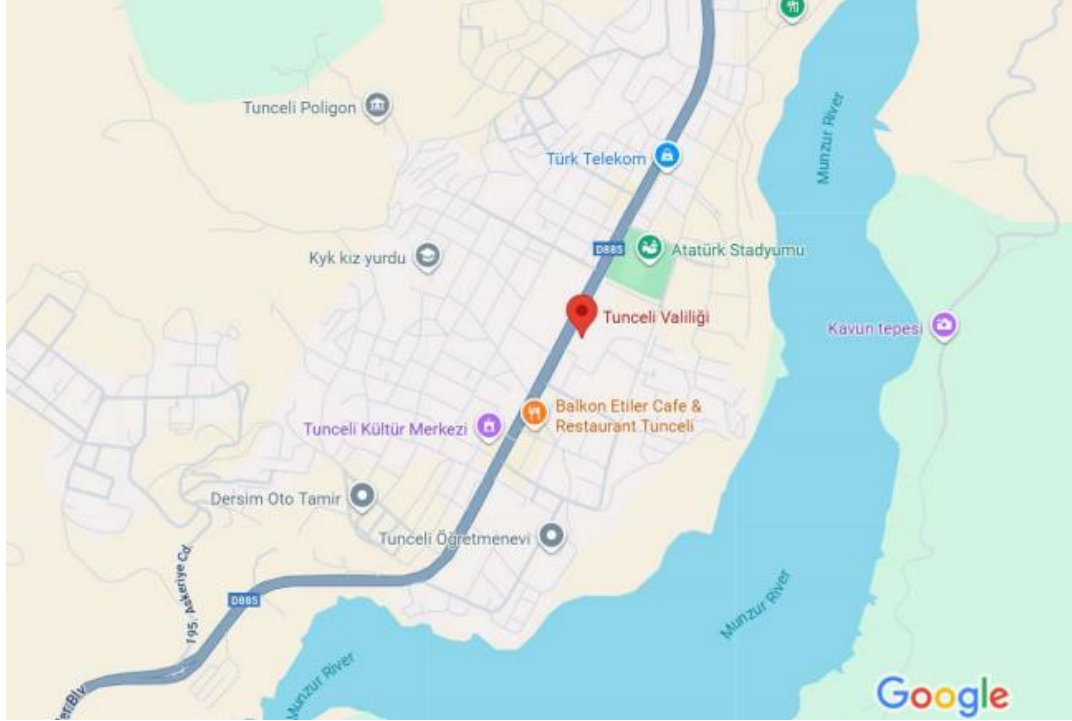
The renovation, repair, and energy efficiency works to be carried out under the SREEPB Project are exempt from the Environmental Impact Assessment (EIA) process according to the EIA Regulation.

This ESMP has been prepared as a guiding document for the SREEPB Project in accordance with WB and national regulations and best practices to eliminate, or if not possible, minimize environmental impacts such as waste generation (hazardous and non-hazardous), air and water pollution; social impacts such as conflicts with daily institutional activities; and occupational health and safety (OHS) impacts concerning the health and safety of workers and beneficiaries.

The project will be executed with the financing of the World Bank and will be managed by the General Directorate of Construction Affairs (GDCA) of the Ministry of Environment, Urbanization and Climate Change (MoEUCC). GDCA will be responsible for overseeing the control, management, and coordination of the project's implementation. The Consultant company will be responsible for the preparation of this ESMP, as it is an integral part of the project's specifications and tender documents, and for ensuring that all activities undertaken throughout the project comply with this ESMP. The contractor will also be responsible for implementing the ESMP on-site.

### 1.1.2. Project Information

The information regarding the buildings within the scope of the sub-project is provided in Table 1.



*Figure 1 Tunceli Government House Location*

*Table 1 Project Site Information*

GENERAL INFORMATION	
Campus Name	Tunceli Government House
Province	Tunceli
District	Centre
Address	Atatürk Mahallesi, 15 Temmuz Şehitler Caddesi
Usage Status	The buildings are currently used as public buildings
Institution Using the Building	Tunceli Governorate
Number of Users	Staff: 417 (205 women, 212 men), Visitors: 86.612 (41.367 women, 45.245 men).
PROJECT BUILDING INFORMATION	
Number of Buildings	1 Building
Number of Blocks (included in the project)	5 Blocks

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(WB/CS-DESSUP-05)**

<b>Construction Area</b>	11.874 m <sup>2</sup>
<b>PLANNED WORKS TO BE CARRIED OUT IN THE BUILDINGS</b>	
<ul style="list-style-type: none"> <li>• Thermal insulation of the Governor's Office Building with 10 cm thick rock wool material on the walls and 16 cm thick glass wool material on the roof – Replacement of the building's frames with insulated aluminum frames and renewal of the window panes with 4+16+4 mm thick Low-E coated glass</li> <li>• (U-value of the glass: 1.8 W/m<sup>2</sup>K)</li> <li>• Replacement of the three boilers in the Heating Center by downsizing their capacity and installing economizer-equipped boilers</li> <li>• Application of thermostatic valves to radiators</li> <li>• Replacement of the heating pumps in the Heating Center with high-efficiency pumps (with frequency converters) and renewal of the mechanical installations</li> <li>• Conversion of split-type air conditioners in the Governor's Office Building into VRF units</li> <li>• Replacement of inefficient lighting fixtures with LED fixtures</li> <li>• Installation of a photovoltaic solar power system (PV) on the roof area of the Governor's Office Building</li> <li>• Establishment of a building automation and energy monitoring system</li> </ul>	
<b>STRUCTURAL RETROFITTING WORKS PLANNED TO BE CARRIED OUT IN THE BUILDING</b>	
<ul style="list-style-type: none"> <li>• Reinforcement of shear walls and column elements in the buildings</li> <li>• Application of FRP (Fiber Reinforced Polymer) on beams</li> <li>• As a result of the strengthening works, the necessity of modification and/or renovation of architectural, mechanical, and electrical installation elements in these areas; therefore, the reorganization, installation, and integration works of the relevant systems</li> </ul>	
<b>DURATION AND SEASON OF ACTIVITIES</b>	
<p>The works to be carried out within the scope of the Project will be implemented between the third quarter of 2025 and the second quarter of 2026. The Contractor is obliged to complete the works in the buildings within the planned schedule as set forth in the Terms of Reference. At the same time, the Contractor shall clearly and in advance inform all stakeholders about the construction activities' timetable before commencing any construction works.</p>	
<b>EXPECTED NUMBER OF WORKERS</b>	
<p>The expected number of workers is ten (10) for daily reinforcement works, fifteen (15) for energy renovation works, in total twenty-five (25) workers. This number may vary during the construction period.</p>	

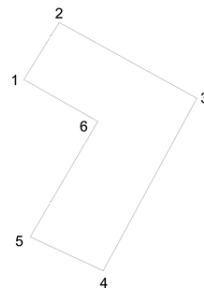
**Structural Assessment, Energy Audit, Structural-Energy Retrofit Design and Construction Supervision  
Consultancy Services for the Tunceli Government Buildings  
(WB/CS-DESSUP-05)**

The satellite image of the Government House is provided in Figure 2



*Figure 2 Tunceli Government Building satellite image*

### TUNCELİ GOVERNMENT HOUSE



Nokta No	(UTM)Universal Trans Y	ITRF96 (Internationa X	Cografî Y2	World Geodetic Syste X2
1	546240.59	4327055.74	39.53	39.08
2	546257.60	4327083.21	39.53	39.08
3	546323.92	4327046.73	39.54	39.08
4	546278.80	4326963.67	39.53	39.07
5	546243.68	4326979.99	39.53	39.08
6	546276.20	4327035.56	39.53	39.08

*Figure 3 Tunceli Government House Coordinate Data*



The potential adverse impacts that may arise during the retrofitting and renovation construction works at the Government House are expected to occur primarily inside the building. Since no ground improvement works will be required, the limited external impacts such as noise and dust generation, increased traffic, vibration, and visual effects will be confined within a distance of 100 meters from the surrounding buildings, and the major impact zone is illustrated in Figure 4.



*Figure4 Major Impact Zone*

Within the major impact zone, the Provincial Special Administration Building is located 25 m away from the Tunceli Governor's House Building, and the police lodgings are located 35 m away, with their gardens adjacent. In addition, two cafes, which are private enterprises, are located inside the Government Office. One of these cafes will be moved to the new Vocational School building of Munzur University, where some of the units of the Government Office will also be relocated. The other cafe is foreseen to continue its activities in the building where the Court House will be relocated. Therefore, no income loss is expected.

Within the scope of the sub-project, in addition to the buildings, complaint boxes will be placed in the buildings within the major impact zone and users will be informed about the sub-project through posters containing information on the complaint mechanism, and the complaint boxes will be checked twice a week. The collected complaints will be examined within the scope of the complaint mechanism and the process will be carried out in accordance with the procedure.



## **2. Legal Framework and Compliance with the World Bank Environmental and Social Framework (ESF)**

This section outlines the national and international regulations as well as World Bank measures that must be followed throughout the sub-project.

### **2.1 National Legislation**

This Environmental and Social Management Plan (ESMP) has been primarily prepared in accordance with the Republic of Türkiye's legislation. The main framework for Türkiye's environmental legislation is the Environmental Law (Law No. 2872), published in the Official Gazette on 11 August 1983, and most recently revised regarding administrative fines in the Official Gazette dated 24 December 2024, No. 32762. This law is supported by regulations. Below are the national laws and regulations primarily referred to for assessing and preventing environmental and social impacts within the scope of this project:

1. Waste Management Regulation, published in the Official Gazette dated 2 April 2015, No. 29314, and amended in the Official Gazette dated 23 March 2017, No. 30016.
2. Regulation on the Control of Packaging Waste, published in the Official Gazette dated 26 June 2021, No. 31523.
3. Regulation on the Control of Excavation Soil, Construction, and Demolition Waste, published in the Official Gazette dated 18 March 2004, No. 25406, and amended in the Official Gazette dated 9 October 2021, No. 31623.
4. Regulation on Air Quality Assessment and Management, published in the Official Gazette dated 6 June 2008, No. 26898.
5. Regulation on the Prevention of Risks from Biological Agents, published in the Official Gazette dated 15 June 2013, No. 28678.
6. Zero Waste Regulation, published in the Official Gazette dated 12 July 2019, No. 30829, and amended in the Official Gazette dated 9 October 2021, No. 31623.
7. Regulation on the Control of Soil Pollution and Point-Source Contaminated Sites, published in the Official Gazette dated 8 June 2010, No. 27605, and most recently revised in the Official Gazette dated 11 July 2013, No. 28704.
8. Water Pollution Control Regulation, published in the Official Gazette dated 31 December 2004, No. 25687, and most recently amended in the Official Gazette dated 12 May 2023, No. 32188.
9. Environmental Noise Control Regulation, published in the Official Gazette dated 30 November 2022, No. 32029.
10. Regulation on Noise Emission from Equipment Used in Open Areas, published in the Official Gazette dated 30 December 2006, No. 26392, and amended in the Official Gazette dated 6 June 2017, No. 30088.

Within the scope of the project, in terms of occupational health and safety, priority effects will be considered in compliance with Law No. 4857 published in the Official Gazette dated 10 June 2003, No. 25134, and the Occupational Health and Safety Law No. 6331 published on 30 June 2012, along with the relevant regulations. The regulations that will primarily be referred to are listed below.

1. Regulation on Subcontractors, published in the Official Gazette dated 27 September 2008, No. 27010, and amended in the Official Gazette dated 25 August 2017, No. 30165.
2. Regulation on Health and Safety Measures in Asbestos Work, published in the Official

Gazette dated 25 January 2013, No. 28539, and amended in the Official Gazette dated 16 January 2014, No. 28884.

3. Regulation on Manual Handling of Loads, published in the Official Gazette dated 24 July 2013, No. 28717.
4. Regulation on Occupational Health and Safety in Temporary or Fixed-Term Work, published in the Official Gazette dated 23 August 2013, No. 28744.
5. Regulation on Health and Safety Measures in Work with Chemicals, published in the Official Gazette dated 12 August 2013, No. 28733.
6. Regulation on the Use of Personal Protective Equipment in Workplaces, published in the Official Gazette dated 2 July 2013, No. 28695.
7. Regulation on Health and Safety Signs, published in the Official Gazette dated 11 September 2013, No. 28762.
8. Regulation on the Professional Training of Workers in Dangerous and Very Dangerous Jobs, published in the Official Gazette dated 13 July 2013, No. 28706, and amended in the Official Gazette dated 11 May 2017, No. 30063.
9. Regulation on Dust Control, published in the Official Gazette dated 5 November 2013, No. 28812.
10. Regulation on Occupational Health and Safety in Construction Works, published in the Official Gazette dated 5 October 2013, No. 28786, and amended in the Official Gazette dated 31 December 2018, No. 30642.
11. Regulation on the Protection of Workers from Noise-Related Risks, published in the Official Gazette dated 28 July 2013, No. 28721.
12. Regulation on the Procedures and Principles for Occupational Health and Safety Training of Workers, published in the Official Gazette dated 15 May 2013, No. 28648, and amended in the Official Gazette dated 24 May 2018, No. 30430.
13. Regulation on Health and Safety Conditions in the Use of Work Equipment, published in the Official Gazette dated 25 April 2013, No. 28628, and amended in the Official Gazette dated 18 February 2022, No. 31754.
14. Regulation on the Duties, Authorities, Responsibilities, and Training of Occupational Safety Experts, published in the Official Gazette dated 29 December 2012, No. 28512, and amended in the Official Gazette dated 6 July 2021, No. 31533.
15. Regulation on Occupational Hygiene Measurement, Testing, and Analysis Laboratories, published in the Official Gazette dated 24 January 2017, No. 29958.
16. Regulation on Occupational Health and Safety Services, published in the Official Gazette dated 29 December 2012, No. 28512, and amended in the Official Gazette dated 6 July 2021, No. 31533.
17. Regulation on Occupational Health and Safety Risk Assessment, published in the Official Gazette dated 29 December 2012, No. 28512.
18. Regulation on Emergency Situations in Workplaces, published in the Official Gazette dated 18 June 2013, No. 28681, and amended in the Official Gazette dated 1 October 2021, No. 31615.
19. Regulation on Stopping Work in Workplaces, published in the Official Gazette dated 30 March 2013, No. 28603, and amended in the Official Gazette dated 11 February 2016, No. 29621.
20. Regulation on the Duties, Authorities, Responsibilities, and Training of Workplace Doctors and Other Health Personnel, published in the Official Gazette dated 20 July 2013, No. 28713, and amended in the Official Gazette dated 6 July 2021, No. 31533.
21. Regulation on Health and Safety Measures in Work with Screen-Based Equipment, published in the Official Gazette dated 16 April 2013, No. 28620.
22. Regulation on the Protection of Workers from Vibration-Related Risks, published in the

Official Gazette dated 22 August 2013, No. 28743.

23. Regulation on the Support of Occupational Health and Safety Services, published in the Official Gazette dated 24 December 2013, No. 28861.
24. Regulation on Occupational Health and Safety Boards, published in the Official Gazette dated 18 January 2013, No. 28532.
25. Regulation on Health and Safety Measures to be Taken in Workplace Buildings and Appendices, published in the Official Gazette dated 17 July 2013, No. 28710.
26. Regulation on the Working Conditions of Pregnant or Breastfeeding Women and the Establishment of Nursing Rooms and Child Care Dormitories, published in the Official Gazette dated 16 August 2013, No. 28737, and amended in the Official Gazette dated 7 September 2019, No. 30881.
27. Regulation on the Working Conditions of Women Workers in Night Shifts, published in the Official Gazette dated 24 July 2013, No. 28717, and amended in the Official Gazette dated 19 August 2017, No. 30159.
28. Freedom of Information Law, published in the Official Gazette dated 24 October 2003, No. 25269.

During the employment of all workers, the basic insurance rights will be determined in accordance with the Social Insurance and General Health Insurance Law No. 5510, dated 16.06.2006.

Additionally, the Environmental Impact Assessment (EIA) Regulation, published under Article 10 of the Environmental Law, was first issued in the Official Gazette dated 7 February 1993, No. 21489, and was last revised and published in the Official Gazette dated 29 July 2022, No. 31907. Since the construction areas will be existing public buildings, the project is not subject to the EIA regulation.

Significant social and environmental impacts that may arise due to the project are likely to affect sensitive receptors located near the project site. In this context, the careful management of ESMPs and OHS activities will be sufficient to mitigate environmental and social impacts.

## **2.2 National Agreements**

1. Council Directive 89/391/EEC of 12/6/1989 on Measures to Improve the Health and Safety of Workers
2. International Labour Organization (ILO) Convention No. 155 on Occupational Health and Safety and the Working Environment
3. ILO Convention No. 161 on Occupational Health Services
4. ILO Convention No. 187 on the Framework Agreement on the Development of Occupational Health and Safety
5. ILO Convention No. 167 on the Safety and Health in the Construction Sector
6. United Nations Framework Convention on Climate Change
7. Paris Agreement (Climate Change)
8. Convention on Long-Range Transboundary Air Pollution

### 2.3 World Bank Environmental and Social Framework (ESF) and Standards

Throughout all stages of the project, compliance will be ensured with the requirements of the World Bank Environmental and Social Framework<sup>1</sup> (ESF) and the relevant Environment, Health, and Safety (EHS) Guidelines<sup>2</sup>, in addition to national legislation.

The Environmental and Social Standards (ESS), summarized in Annex II, are components of the World Bank Environmental and Social Framework (ESF) and outline the requirements for the project owner regarding the identification and assessment of environmental and social risks and impacts related to projects supported by the World Bank. The applicability of the World Bank Environmental and Social Standards to the SREEPB Project is summarized in Table 2.

*Table 2 Applicability of the World Bank Environmental and Social Standards to the Project*

<b>Environmental and Social Standards</b>	<b>Uygulanabilirlik</b>
ESS1: Environmental and Social Risk and Impact Assessment and Management	Yes
ESS2: Labor and Working Conditions	Yes
ESS3: Resource Efficiency and Pollution Prevention and Management	Yes
ESS4: Community Health and Safety	Yes
ESS5: Land Acquisition, Land Use Restrictions, and Involuntary Resettlement	No <sup>3</sup>
ESS6: Conservation of Biodiversity and Sustainable Management of Living Natural Resources	No <sup>4</sup>
ESS7: Indigenous Peoples/Sub-Saharan African Historically Underserved Traditional Local Communities	No <sup>5</sup>
ESS8: Cultural Heritage	Yes
ESS9: Financial Intermediaries	No <sup>6</sup>
ESS10: Stakeholder Engagement and Information Disclosure	Yes

<sup>1</sup> <https://www.worldbank.org/en/projects-operations/environmental-and-social-framework>

<sup>2</sup> <https://www.ifc.org/en/insights-reports/2000/general-environmental-health-and-safety-guidelines#:~:text=The%20Environmental%2C%20Health%2C%20and%20Safety,and%20in%20IFC's%20Performance%20Standards>

<sup>3</sup> There will be no interaction with natural resources and/or biodiversity elements due to any activities carried out within the scope of the project.

<sup>4</sup> "The activities to be implemented under the project will not have any interaction with natural resources and/or biodiversity elements."

<sup>5</sup> No indigenous group meeting the definition provided in ESS7 can be found in Turkey.

<sup>6</sup> Since no financial intermediary is involved in this project, ESS9 will not be applicable to this project.

### **3. Activities To Be Carried Out Under The Project**

Summary technical information regarding the structural retrofitting and energy efficiency works of the Tunceli Government House is provided in Table 3.

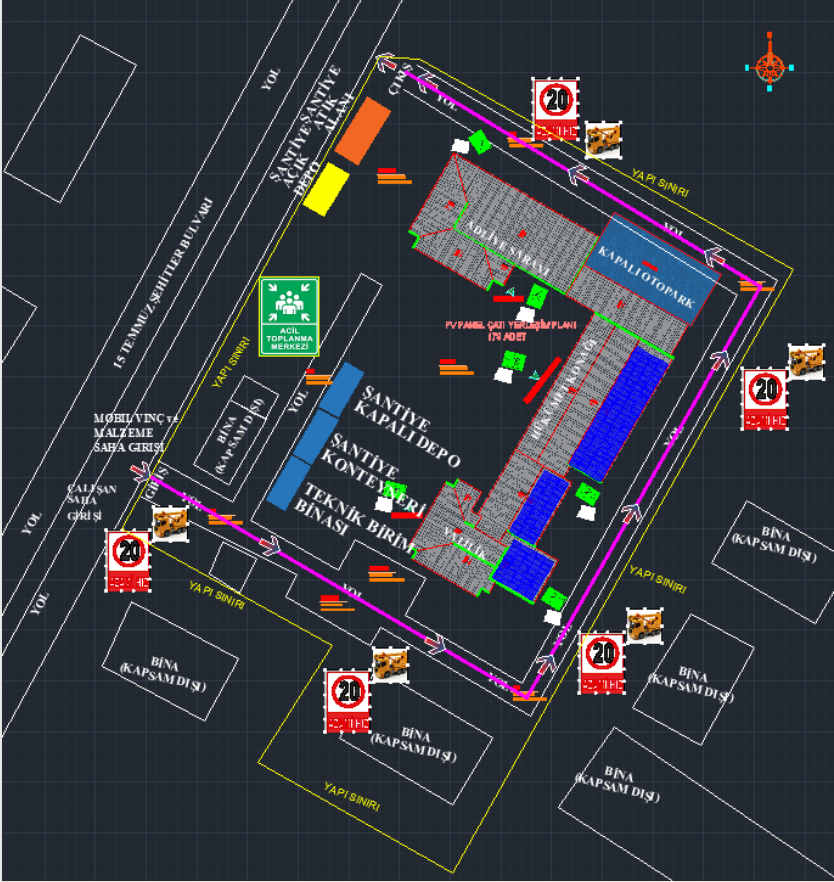
This ESMP will be accessible to all stakeholders throughout the project life, at the construction sites and on the project's website (<https://kamuguclendirme.csb.gov.tr/>). In addition, in order to ensure that stakeholders participate in the information meeting with sufficient knowledge about the project, the draft ESMP was disclosed as of 26.08.2025 in the Government House Blocks and on the official website of the Project ([www.kamuguclendirme.csb.gov.tr](http://www.kamuguclendirme.csb.gov.tr)) for a period of 11 days prior to the meeting. A full-time environmental specialist, a social specialist, and an occupational health and safety (OHS) specialist will be employed within the Contractor; while within the Construction Supervision Consultant firm, one environmental specialist, one social specialist, and one OHS specialist have been employed. The Consultant, the Contractor, and the Ministry's Project Implementation Unit (PIU) are responsible for recording and responding to questions and opinions from stakeholders regarding environmental, social, and OHS issues.

### 3.1 Field Works

*Table 3. Summary Information on the Activities to be Carried Out*

<b>WORKS ON SITE</b>	
<b>DESCRIPTION OF THE GEOGRAPHICAL, PHYSICAL, BIOLOGICAL, GEOLOGICAL, HYDROGRAPHIC AND SOCIO-ECONOMIC CONTEXT</b>	 <p align="center"><i>Exterior View of Tunceli Government Building</i></p> <p>During the implementation of the project activities (such as scaffold installation, painting, exterior cladding, etc.), the soil around the buildings is expected to be affected by the construction activities. Necessary measures will be taken to prevent hazardous chemicals from contaminating the soil during the works to be carried out in this area. The measures to be taken for the management of the potential environmental and social impacts and risks of the project are presented in detail in Section 5. No problems are foreseen in accessing the project area. All infrastructure facilities required for the works, such as electricity, water, sewerage, natural gas, and internet, are available.</p>
<b>LOCATIONS AND DISTANCES OF THE NEAREST SENSITIVE RECEPTORS SUCH AS HOSPITALS, HEALTH UNITS, PUBLIC BUILDINGS, AND HOUSES</b>	<p>The project site is the Tunceli Government House. The majority of the retrofitting and improvement works will be carried out inside the building. However, the prevention of adverse impacts of construction activities on nearby settlements will be controlled and managed through the mitigation measures presented in this ESMP. Other buildings located outside the building where the construction is carried out are not expected to be directly affected by the construction works.</p> <ul style="list-style-type: none"> <li>• The police lodgings and the Provincial Special Administration buildings are within the major impact zone. Noise, dust, vibration, the spread of excavation wastes outside the construction site, and possible problems that may be encountered in waste management may adversely affect the users of these buildings. Detailed information and the measures to be taken on this issue are provided in Section 5. In addition, the management of the Government House will be informed at least 7 days prior to each stage of the construction process. The construction schedule will be continuously updated and kept on site in a place visible to stakeholders throughout the project period."</li> <li>• The Tunceli Government House is located in the city center. There are no hospitals or schools in the immediate vicinity. The nearest school is Munzur Secondary School, located approximately 300 m away, and the nearest health institution is Tunceli KETEM, located approximately 700 m away.</li> </ul>

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<p><b>TRAFFIC ACTION PLAN</b></p>	<p>Considering the project site and its immediate surroundings, no problems are foreseen during the transportation of the materials required for the construction activities.</p> <p>Access roads and rules are specified in the Traffic Action Plan. The Traffic Action Plan is included in the Occupational Health and Safety Plan prepared by the Consultant. In addition, the Community Health and Safety and Traffic Management Plan will be prepared by the Contractor before the commencement of construction activities. The map showing the traffic route of the Government Building and the traffic management plans are provided below..</p> 
<p><b>SEWERAGE SYSTEM, ELECTRICITY, WATER NETWORK, ETC. INFRASTRUCTURES USED BY THE PROJECT</b></p>	<p>During the construction works, the existing sewerage, electricity, and water networks in the area will be used with the approval of the Beneficiary Institution. After obtaining the approval of the Beneficiary Institution, the Contractor will carry out meter readings and pay the usage fee.</p> <p>Domestic wastes will be disposed of by utilizing municipal services, while temporary storage areas will be established for other wastes, and their disposal will be ensured by licensed companies. In case any specific infrastructure service is required for the project (such as vacuum truck service in case of overflow due to blockage in sewerage lines, mobile generator in case of long-term power outage, or water tanker for dust suppression in case of long-term water outage), the existing infrastructure facilities will be utilized and implemented in accordance with the relevant regulations.</p>
<p><b>NATIONAL LEGISLATION AND PERMITS APPLICABLE TO THE PROJECT ACTIVITY (E.G., PV INSTALLATION, ETC.)</b></p>	<p>The existing Building Permits will be used for the unlicensed electricity generation application of the Photovoltaic Solar Power Plant (PV).</p> <p>The documents to be obtained for Unlicensed Electricity Generation include but are not limited to the following;;</p> <ul style="list-style-type: none"> <li>▪ Documents required by the Authorized Electricity Distribution Company for the Call Letter <ul style="list-style-type: none"> <li>▪ Unlicensed generation connection application form</li> <li>▪ Subscriber number (non-mobile)</li> </ul> </li> </ul>




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	<ul style="list-style-type: none"> <li>▪ Receipt showing that the application fee has been deposited into the account of the relevant network operator</li> <li>▪ Single Line Diagram showing the technical specifications of the facility to be installed</li> <li>▪ PV Technical Evaluation Form and personnel program prepared by the General Directorate of Renewable Energy</li> <li>▪ Approved coordinate application sketch</li> <li>▪ Title deed for rooftop applications</li> <li>▪ Structural Project Approval of the PV system</li> <li>▪ “Connection Opinion” and “Call Letter for Connection Agreement” to be obtained from the relevant distribution company</li> <li>▪ System Basic Information Form</li> <li>▪ Technical project and calculations, District Municipality – PV Compliance Letter (according to Zoning Regulation Legislation)</li> <li>▪ Within the scope of the “Regulation on Unlicensed Electricity Generation in the Electricity Market,” the application for photovoltaic panel installation will be submitted online to the authorized electricity distribution company by the Consultant</li> </ul>
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<b>STAKEHOLDER ENGAGEMENT PROCESS</b>	
<b>STAKEHOLDER ENGAGEMENT PROCESS</b>	<p>*"Before the implementation of the prepared and approved projects, a stakeholder engagement meeting will be organized with the participation of all stakeholders, in order to provide information on the technical, social, and environmental details of the project by the relevant experts, to answer all kinds of questions of the participants about the project, to receive their opinions, and to convey this ESMP to the stakeholders following the approval of the plan by the Administration and the WB. For those who cannot physically attend the meeting, online participation will also be provided.</p> <p>Through the meeting, participants will be informed by the relevant experts about the technical, social, and environmental details of the project, all questions of the participants regarding the Sub-Project will be answered, and their opinions will be received.</p> <p>Prior to the information meeting, this ESMP was published for a period of 11 days both on the project’s website (<a href="https://kamuguclendirme.csb.gov.tr/">https://kamuguclendirme.csb.gov.tr/</a>) and at the construction site, and was made accessible to stakeholders. The ESMP will remain accessible to all stakeholders throughout the project life, both on the relevant websites and at the construction sites. In addition, printed copies of this ESMP were made available to stakeholders as of 26.08.2025, 11 days before the stakeholder engagement meeting, in the building included in the project. Details regarding the grievance mechanism established specifically for the project and the stakeholder engagement meeting are provided in Section 4 and Annex VI.</p>
<b>ISSUES AND CONCERNS RAISED BY THE BUILDING USERS</b>	<p>As of the date this report was prepared, written/oral feedback and complaints regarding the project received through the project Grievance Mechanism are shared with the Administration on a weekly basis. The issues and concerns raised by building users, such as building staff and visitors, regarding these works were expressed during the stakeholder engagement meeting on 05 September 2025, and were recorded with the stakeholder engagement meeting minutes, and the opinions/suggestions and concerns of the stakeholders are included in this document (See: Annex VI).</p>
<b>PLACEMENT OF GRIEVANCE BOXES</b>	<p>In total, 1 Grievance Box has been placed. The placement of the grievance box is shown below. Due to the construction activities of the building, it has been notified by the Beneficiary that education will continue within the university in the buildings around the new Vocational School building of Munzur University, where the staff will be relocated. In this context, the Beneficiary has requested an additional grievance box to be placed within the university campus. After the Government Building staff are relocated to the relevant campus, another grievance box will be placed in the university campus within the scope of the request.</p>



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<b>INSTITUTIONAL CAPACITY BUILDING</b>	
<b>TRAINING</b>	<p>Within the scope of the project, as a result of the trainings to be provided by the Consultant to the Contractor's personnel, the institutional capacity of the Contractor company is expected to improve. Through the trainings, the control of the expected and actual performance of the Contractor will be ensured by the Consultant. These trainings are listed below.</p> <ul style="list-style-type: none"> <li>• Environmental and Social Impacts</li> <li>• Waste Management</li> <li>• Efficient Use of Resources</li> <li>• Response to Environmental Emergencies</li> <li>• Energy Efficiency</li> <li>• Stakeholder Engagement/Information Activities</li> <li>• Grievance Mechanism (GM)</li> <li>• Gender Equality / Gender-Based Violence / Sexual Exploitation / Sexual Assault / Sexual Harassment</li> <li>• Code of Conduct</li> <li>• Protection of Cultural Heritage</li> <li>• OHS Plan Implementation and Monitoring Training</li> <li>• Lockout and Tagout Training</li> <li>• Work Permit System Training</li> </ul>

#### **4. Stakeholder Engagement and Grievance Mechanisms (GM)**

A stakeholder is any person, institution, or group that may be directly or indirectly, positively or negatively affected by the activities carried out and the results generated during the life cycle of a project, or that may have an interest or role in the project in any form. Identifying relevant stakeholders is crucial to ensuring a meaningful engagement process, and these stakeholders may be updated throughout the implementation period starting from the beginning of the project.

Stakeholder engagement is an inclusive and dynamic process carried out throughout the life of the project, which ensures that the views of stakeholders are considered and that corrective measures are taken to address any potential adverse impacts. In the stakeholder engagement process, communicating project activities to stakeholders and maintaining continuous interaction with them are prioritized. Stakeholder engagement supports the development of strong, constructive, responsive, and interactive working relationships, which are critical for the successful management of environmental and social impacts and risks.

This ESMP has been prepared in alignment with the Stakeholder Engagement Framework (SEF) of the SREEPB Project, which defines the general characteristics of all stakeholders. Beginning prior to site construction activities at the Tunceli Government House and continuing throughout the entire sub-project period, parties with the potential to be affected will be informed about the scope of the project, contact information, and the Grievance Mechanism (GM) through stakeholder engagement meetings, informational materials (notices and brochures), the SREEPB website, and social media. Through these methods, early, frequent, and transparent communication will be ensured throughout the project duration, helping to prevent and manage risks, possible disputes, and delays. This will enable timely understanding of stakeholder expectations and maximize the potential contributions to the project.

"Following the approval of this ESMP, a Stakeholder Engagement Meeting was held on 5 September 2025 in the meeting hall of the Provincial Special Administration building, located adjacent to the Government House where the construction activities of the sub-project will be carried out, with the participation of the consultant firm, the management and technical units of the Beneficiary Institution, building users, and the environmental specialists, social specialists, OHS specialists, structural specialists, civil engineers, and other relevant personnel of the Project Implementation Unit (PIU). At the Stakeholder Engagement Meeting, prior to the implementation of the approved sub-project, information was provided by the relevant experts on the technical, social, and environmental details, the questions of the participants regarding the project were answered, and their opinions were received. A total of 92 people attended the meeting, 87 in person (34 women and 53 men) and 5 online (2 women and 3 men). Details regarding the Stakeholder Engagement Meeting are presented in Annex 6. This ESMP specific to this sub-project was disclosed on 26 August 2025 and remained posted for 11 days until the Stakeholder Engagement Meeting held on 5 September 2025. In order for all stakeholders to be informed about how the sub-project process will be carried out on site and to receive their objections and suggestions, this ESMP will be disclosed throughout the project life on the official websites of the SREEPB Project (<https://kamuguclendirme.csb.gov.tr/>) and the Tunceli Governorship (<http://www.tunceli.gov.tr/>). With the commencement of Phase 2, the ESMP will also be physically posted at the construction site and will remain posted throughout the project life together with the grievance boxes.

#### **4.1 Grievance Mechanism (GM)**

Grievance Mechanism (GM) aims to provide affected or interested parties with access to an effective procedure. Grievances may indicate stakeholder concerns, and if not identified and resolved, they may escalate. Identifying and responding to grievances supports the development of positive relationships among project personnel, local communities, and other stakeholders.

Before the implementation of the SREEPB Project, the Ministry of Environment, Urbanization and Climate Change PIU developed a transparent and comprehensive GM specifically for the SREEPB Project to receive, evaluate, and resolve grievances/opinions/suggestions that may arise during activities to be carried out in public buildings. The GM will assist all relevant stakeholders in conveying their grievances/opinions/suggestions regarding the planned activities to the appropriate persons and institutions, and it will strengthen stakeholders' engagement in the project.

This mechanism also enables all personnel involved in the project (PIU, Consultant, Contractor) to submit their grievances/opinions/suggestions—either anonymously or under their name—to the Ministry and the World Bank. The duties and responsibilities of the Contractor, Consultant, and PIU are detailed in the Project's Stakeholder Engagement Framework([https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/sreepb-p175894\\_paydas-katilim-cercevesi-mayis-final\\_20210521122305.pdf](https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/sreepb-p175894_paydas-katilim-cercevesi-mayis-final_20210521122305.pdf))

Additionally, all parties involved in the project are required to implement the Project's Environmental and Social Management Plan, Stakeholder Engagement Framework, and Labor Management Procedure.

Under the SREEPB Project, grievances will be addressed at multiple levels:

**a) Contractor Level:** The Project Manager and Social Specialist of each contractor assigned to carry out the construction works shall be responsible for receiving, recording, and, if possible, resolving grievances/concerns/opinions/suggestions raised by any stakeholder (such as public building administration, building users, visitors, local communities, or beneficiaries, project personnel, etc.) through the Grievance and Suggestion Form and the Grievance Closure Form provided in Annexes 4 and 5, and in accordance with the Grievance Mechanism Procedure.

Verbal grievances, opinions, and suggestions shall be recorded by the responsible personnel of the Contractor (Social Specialist and Project Manager) by filling out the Grievance and Suggestion Form.

The Contractor shall ensure that all personnel working on the Project are aware that they can use the Grievance Mechanism (GM), and shall guarantee that any grievances raised by staff will not constitute an obstacle to the future renewal of their employment contract.

All steps related to the submission of employee grievances/opinions/suggestions are described in detail under the section "Grievance Mechanism for Workers" of the SREEPB Project Labor Management Procedures. All employees may use this mechanism either under their name or anonymously.

If the Contractor is unable to resolve grievances/concerns/opinions/suggestions related to construction activities under the SREEPB Project, they shall be obliged to refer such submissions to the relevant persons/institutions in accordance with the Project's Grievance Mechanism Procedure.

Contractors shall also report the records they keep—including resolved and unresolved grievances/concerns/opinions/suggestions—on a weekly basis to the Consultant. The Contractor shall be responsible for resolving grievances within 15 calendar days at the latest and shall inform the Consultant’s Social Specialist throughout the process.

**b) Consultant Level:** Grievances/concerns/opinions/suggestions that cannot be addressed at the contractor level shall be handled by the Social Specialist of the Construction Supervision Consultant Firm. The Project Manager and the Social Specialist, in accordance with the Grievance Mechanism Procedure, shall prepare a situation report to remind the contractor of their responsibilities and ensure that necessary measures are taken to resolve the issue and implement the required corrective actions.

The Consultant shall guarantee that all personnel working on the Project are entitled to use the GM and that any grievances submitted by staff will not pose a risk to the future renewal of their employment contracts. If the Project Manager is unable to resolve grievances/concerns/suggestions, they shall be obliged to refer them to the Ministry of Environment, Urbanization and Climate Change.

The Consultant Firm is responsible for resolving grievances within 15 calendar days at the latest, recording grievances in the grievance log, and closing/resolving the grievance through the Grievance Closure Form. Regardless of whether the grievance falls within the scope of the Project, the Consultant is obliged to carry out all relevant official correspondence and inform the Employer.

The Consultant shall submit both the grievances/concerns/suggestions received directly and those reported by the contractor to the Ministry of Environment, Urbanization and Climate Change on a weekly basis in the form of reports/grievance logs.

**c) Provincial Directorates of MoEUCC Level:** Regarding activities carried out under the SREEPB Project, the relevant Provincial Directorate of the Ministry of Environment, Urbanization and Climate Change (MoEUCC) shall be responsible, to the extent possible, for addressing grievances/concerns/opinions/suggestions received. Regardless of whether the Directorate resolves the issues, it shall promptly forward all grievances/concerns/opinions/suggestions it receives to the Employer.

**d) MoEUCC Project Implementation Unit (PIU) Level:** Within the scope of the SREEPB Project, MoEUCC shall be responsible for collecting, recording, and resolving all grievances/concerns/opinions/suggestions raised by stakeholders through the levels mentioned above. MoEUCC shall resolve the collected grievance/concern/opinion/suggestion within 15 calendar days and inform the submitter of the outcome. However, for grievances requiring detailed examination, this period may be extended to 30 calendar days. MoEUCC is also responsible for submitting grievance records to the World Bank in the 6-monthly progress reports. Additionally, the Ministry is required to report cases of gender-based violence/harassment and occupational accidents to the World Bank within 48 hours.

For grievances related to gender-based violence and sexual exploitation and abuse, it is recommended to use the web-based grievance system provided in Annex III, which allows anonymous submissions. To ensure confidentiality, access to this web-based grievance system shall be restricted to authorized personnel only.

In addition to the Grievance Mechanisms defined at various levels above, stakeholders may also

use the national grievance mechanism channels throughout the project duration.

The channels for submitting grievances and suggestions to the Employer, primarily the Presidential Communication Center of the Republic of Türkiye (CİMER), are provided below. T.C. Cumhurbaşkanlığı İletişim Merkezi (CİMER) gibi ulusal şikâyet mekanizması başta olmak üzere, şikâyet ve önerileri İdare'ye iletme kanalları aşağıda verilmiştir.

*Table 3 GM Communication Channels*

Çağrı Merkezi	: ALO 181
Telefon	: 0312 586 4858
E-mail	: yigmkadev@csb.gov.tr
Şikâyet	: <a href="https://kadevoneri.csb.gov.tr/oneri.jsp">https://kadevoneri.csb.gov.tr/oneri.jsp</a> Binalarda tesis edilen öneri şikâyet kutuları

For grievances related to gender-based violence (GBV) and sexual exploitation and abuse (SEA), the use of a web-based grievance system that allows anonymous submissions is recommended. To ensure confidentiality, access to the web-based grievance system shall be granted only to authorized personnel.

In addition to the grievance mechanisms defined above at various levels, stakeholders may also use the national grievance mechanism channels, the details of which are provided below, throughout the duration of the Project. The national grievance mechanisms are listed below:

*Table 4 CİMER Communication Channels*

Webite	: <a href="https://www.cimer.gov.tr">https://www.cimer.gov.tr</a> <a href="https://giris.turkiye.gov.tr">https://giris.turkiye.gov.tr</a>
Helpline	: Alo 150
Mail adress	: T.C. Cumhurbaşkanlığı Külliyesi 06560 Beştepe - Ankara
Tel	0312 590 20 00
Fax	0312 473 64 94

*Table 5 YİMER Communication Channels*

Web site	: <a href="https://yimer.gov.tr">https://yimer.gov.tr</a>
Helpline	: Alo 157
Mail adress	: Çamlıca Mahallesi 122. Sokak No: 4 Yenimahalle/ANKARA
Tel	0312 157 11 22
Fax	0312 920 06 09

These communication channels are promoted through wall posters (placed on walls where suggestion & grievance boxes are located) in all buildings and through distributed project brochures. Additionally, all project personnel are responsible for informing stakeholders around them about the suggestion and grievance mechanisms. All workers will be informed about this subject prior to the commencement of their work.

Details on this topic are explained in the Stakeholder Engagement Framework (SEF) ([https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/sreepb-p175894\\_paydas-katilim-cercevesi-mayis-final\\_20210521122305.pdf](https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/sreepb-p175894_paydas-katilim-cercevesi-mayis-final_20210521122305.pdf))

Records regarding grievances/opinions/suggestions will be regularly shared by MoEUCC with the World Bank (WB). Additionally, any person or community who believes they have been adversely affected by projects supported by the WB may submit grievances through the existing project-level Grievance Mechanism (GM) to MoEUCC, or directly to the WB via the Independent Inspection Panel

(<https://www.worldbank.org/en/projects-operations/products-and-services/grievance-redress-service>)

Stakeholders affected by the project may also submit grievances to the WB Independent Inspection Panel. This panel determines whether the complainants have suffered or may suffer harm as a result of the WB's failure to comply with one or more of its performance standards. The panel may convey its concerns regarding grievances it receives directly to the WB. At this stage, the WB is given the opportunity to respond to the grievances.

For information on how to submit grievances to the WB Inspection Panel, please visit: [www.inspectionpanel.org](http://www.inspectionpanel.org)

#### **4.2 Grievance Mechanism for Workers**

The grievance mechanism for workers shall include:

- (i) a procedure describing the flow of the grievance mechanism;
- (ii) timeframes for responding to and resolving grievance cases;
- (iii) a register to record and track the resolution process in a timely manner;
- (iv) contact person responsible for collecting, recording, addressing, and tracking the resolution process of grievances.

The Consultant shall monitor the recording and resolution of grievances by contractors and report them to the PIU in the monthly progress reports. The process shall be overseen by the Social Specialist of the PIU.

This mechanism shall be based on the following principles:

- The process shall be transparent and allow employees to express their concerns and submit grievances.
- No discrimination shall be made against those who submit grievances, and all grievances shall be handled in accordance with the principle of confidentiality.
- Anonymous grievances shall be treated equally to other grievances with known origins.
- Management shall take grievances seriously and respond with timely and appropriate actions.

Information on the existence of the grievance mechanism shall be communicated to all project workers (direct hires, contracted staff) through notice boards, suggestion/grievance boxes placed in appropriate locations, call centers, announcements during trainings, seminars, meetings, a link on the homepage of the project website, printed project materials distributed to social service personnel, social media, and other communication channels deemed necessary.

The project grievance mechanism shall not prevent project workers from exercising their legal rights under other judicial or administrative channels.

## **5. Environmental and Social Risks & Impacts and Mitigation Measures**

The structural retrofitting and energy efficiency-oriented improvement works to be carried out in the Tunceli Government Building are expected to create both direct and indirect positive social and environmental impacts. The direct positive social impacts include the benefit of building users from the construction of an earthquake-resistant building, the prevention of loss of life and property, and the ability of the Government Building to provide emergency services after a possible earthquake, which is of great importance. In addition, the project will also generate positive impacts in terms of energy savings and the reduction of air pollutants.

The physical works to be carried out within the scope of the project are not expected to create irreversible negative environmental impacts, and the impacts are expected to be temporary, reversible, and moderate in magnitude and nature. The sub-project site is not located in environmentally sensitive areas. Moreover, these physical works are not expected to cause serious adverse effects on human health and the environment.

Due to the location of the Tunceli Government Building, there are no significant risks regarding community health and safety in terms of construction traffic and construction activities. Apart from community health and safety risks, other potential adverse social impacts identified are limited and manageable with the measures described in this ESMP. In addition, there are no risks such as temporary income loss for commercial enterprises.

The potential adverse environmental and social impacts that may arise as a result of the structural retrofitting and energy efficiency-oriented improvement works can be eliminated or minimized through the measures to be taken, and they are summarized in the table below.

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*Table 6 List of Environmental & Social Impacts and Mitigation Measures*

IMPLEMENTATION/CONSTRUCTION PHASE	RISK & IMPACTS	MITIGATION MEASURES	RESPONSIBLE PARTIES
Renovation and strengthening works for improving seismic resistance and energy efficiency in public buildings	<p><b>a) OHS</b></p> <p>Possible adverse safety and health impacts on workers, local population, and staff due to the following:</p> <p>Potential injuries to workers arising from working at heights, working with hazardous materials, and electrical tools;</p> <p>Non-compliance with national and defined international occupational health and safety requirements at the workplace;</p>	<ul style="list-style-type: none"> <li>Local construction and environmental inspection authorities and communities shall be informed about the activities to be carried out.</li> <li>The public shall be informed through stakeholder engagement, and appropriate notifications in the media and/or public spaces.</li> <li>All legally required permits for construction and/or renovation shall be obtained.</li> <li>The Project Implementation Unit (PIU) and the Consultant shall conduct regular site supervision to ensure and monitor that all construction activities are carried out in compliance with national laws and regulations—including the regulation on fire safety of buildings—and the requirements of World Bank standards.</li> <li>Detailed information regarding occupational health and safety is provided as guidance in the Occupational Health and Safety Plan prepared for the same campus.</li> </ul>	PIU Consultant
		<ul style="list-style-type: none"> <li>In areas where the underground natural gas pipeline passes, the Natural Gas Provider Company shall be responsible for the necessary works before the commencement of Phase II (Construction Phase) of the projects. All operations related to the Natural Gas Pipeline shall be carried out by the Service Provider Local Distribution Company, with all inspections and tests completed and the environment fully prepared prior to Site Handover, and shall be delivered as specified in the project documents. The Property Owner is required to submit an application in accordance with the relevant legislation for all operations related to the said natural gas pipeline. Therefore, neither the Consultant Firm nor the Contractor shall in any way intervene in the natural gas pipelines.</li> <li>In the event of a major incident, such as a workplace accident, the Contractor shall immediately inform MoEUCC. MoEUCC shall report all significant incidents (such as accidents, leaks, fatalities) to the World Bank within 48 hours and submit an incident investigation report along with a corrective action plan to the World Bank within 30 working days.</li> <li>The PIU and the Consultant shall conduct regular site supervision to ensure and monitor that all construction activities are carried out in compliance with national laws and regulations and the requirements of World Bank standards.</li> <li>Health and safety measures and environmental precautions related to the reconstruction of the public building shall be detailed in the project-specific Waste Management Plan and Occupational Health and Safety (OHS) Management Plan.</li> </ul>	Consultant PIU Contractor



		<ul style="list-style-type: none"> <li>• The Occupational Health and Safety Plan has been prepared by the Consultant for Tunceli Government House. Activities on site shall be carried out in accordance with the measures specified in this OHS Plan.</li> <li>• The Contractor shall prepare its own OHS Plan for the works to be carried out, taking into account the Occupational Health and Safety (OHS) Plan prepared by the Consultant.</li> <li>• Prior to the commencement of construction works, a Risk Assessment study shall be conducted for all tasks to be undertaken. Relevant procedures and plans—such as risk assessment, safety procedures, training, monitoring, incident investigation and reporting, and Emergency Plans—shall be included in the Health and Safety Plans (The Health and Safety Plans shall be prepared by the Supervision Consultants and further developed by Contractors by adding site-specific risk assessments, procedures, and instructions), as presented in Annex-8 of the ESMP.</li> <li>• Appropriate signage shall be placed at the construction sites, and workers shall be informed about the basic rules and regulations they must follow.</li> <li>• Occupational Health and Safety (OHS) trainings shall be provided to employees to identify potential risks related to the worksite and tasks to be performed, and weekly and monthly on-site safety meetings shall be held.</li> <li>• The Contractor shall formally acknowledge that all works will be carried out in a safe and disciplined manner designed to minimize the impact on local residents and the environment.</li> <li>• The Contractor shall assign a staff/responsible person/expert with relevant certification and experience responsible for occupational health and safety.</li> <li>• The Contractor shall provide a safe working environment for workers and shall supply personal protective equipment (PPE)—such as hard hats at all times, and masks, safety goggles, safety harnesses, and safety boots when necessary—prior to the commencement of construction activities, in accordance with international best practices and Turkish legislation.</li> <li>• Appropriate rest areas for employees during work breaks shall be provided by the Contractor in consultation with and with permission from the building management (based on the number of workers and rest hours).</li> <li>• Dining areas for workers shall be established in areas designated by the building technical units under the written permission and approval of the campus administration.</li> <li>• Changing areas (with lockable facilities) for workers shall be provided within the buildings with the written permission and approval of the campus administration. These areas shall be designated by the building technical staff, and the use of areas outside of those designated is strictly prohibited. The Contractor shall inform workers not to keep valuables in these areas and that the building management bears no responsibility for theft or other negative incidents that may occur in</li> </ul>	
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		<p>these areas. This matter shall also be posted with warning signs.</p> <ul style="list-style-type: none"> <li>• Sanitary needs of workers shall be met using building infrastructure under the written permission and approval of the campus administration. In case existing infrastructure cannot be used, WC containers shall be provided by the Contractor for worker use, and these containers shall include all necessary materials to ensure hygiene. However:</li> <li>• Workers shall only use the toilets that are permitted/allocated to them within the building. The Contractor shall inform its workers of these permitted/allocated toilets based on the number of employees. Monitoring and enforcement of this restriction shall be the responsibility of the Contractor.</li> <li>• The Contractor shall instruct its workers to use the designated toilets in accordance with hygiene rules, and if improper use is identified, cleaning responsibility shall rest with the Contractor.</li> <li>• All hygiene materials required by workers shall be provided by the Contractor.</li> <li>• The Contractor shall provide work clothing bearing the project name so that workers can be easily identified.</li> <li>• Workers are strictly prohibited from engaging in arguments with building technical personnel or campus users for any reason. In the event of individual or activity-related problems, workers shall immediately inform their supervisor (The responsible supervisor and contact information shall be communicated to all workers by the Contractor). The Contractor shall record such incidents and report them to the Consultant. Any decision/action related to this process shall be carried out with the knowledge and approval of the building management.</li> <li>• In the case of night work, approval shall be obtained from the building management. All activities shall be carried out in accordance with both the Occupational Health and Safety Law (Official Gazette dated 30 June 2012, No. 28339) and its related regulations, as well as the World Bank Group (WBG) Environmental, Health, and Safety (EHS) Guidelines.</li> <li>• In the event of any epidemic or pandemic/infectious disease, all guidance, manuals, and recommendations issued by the Ministry of Health, Ministry of Labor and Social Security, and the World Health Organization shall be followed, and all relevant measures for occupational health and safety shall be taken for both workers and workplaces.</li> <li>• Unauthorized third parties shall not be allowed to enter the construction site.</li> <li>• The names of all personnel who will work on the construction site, along with their necessary training certificates, shall be submitted to the Consultant as a list. Only workers who have received appropriate training and are equipped with personal protective equipment shall be allowed to enter the construction site, wearing ID badges.</li> <li>• Persons under the age of 18 shall not be permitted to enter the construction site.</li> </ul>	
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		<ul style="list-style-type: none"> <li>• The Contractor shall designate smoking areas within the construction site. Smoking outside these designated areas is strictly prohibited.</li> <li>• Food and beverage, break/rest, toilet, and hand-washing needs shall be provided in areas indicated by the technical units inside the building where the work is being carried out. This matter shall be handled with the knowledge of the campus administration. Workers involved in the project shall not go beyond the allocated areas.</li> <li>• All hygiene materials required for the use of workers shall be provided by the Contractor. The local sewer infrastructure shall be used for wastewater disposal.</li> <li>• Packaged drinking water (e.g., plastic or glass bottles) shall be provided to the workers.</li> <li>• Clean utility water shall be supplied through the existing plumbing systems of the building. Consumption of this water shall be prohibited.</li> <li>• The Contractor shall provide a healthy and safe working environment for workers, supply personal protective equipment (PPE) in accordance with Turkish legislation and international best practices—including the pandemic-related health and safety measures provided by the Ministry of Health and the Ministry of Labor and Social Security—and shall ensure their proper use and monitor compliance. (This includes the constant use of hard hats, and the use of respiratory protection, protective goggles, full-body safety harnesses, and foot protection where necessary.)</li> <li>• Personal protective equipment (PPE) and work uniforms shall be stored separately from workers' personal clothing, and enclosed changing areas shall be established inside the building for this purpose.</li> <li>• In the event of work accidents resulting in lost time, a root cause analysis shall be conducted and reported.</li> <li>• Workers who will work at height (e.g., façade insulation, roof insulation) shall receive both theoretical and practical training on working at height. The occupational physician shall indicate in the medical report that the worker is fit to work at height. A work-at-height plan shall be prepared before starting the activity, and a work permit shall be obtained. Work at height shall be carried out under the supervision of a qualified person and an occupational safety specialist. Fall protection systems and work-at-height equipment shall be selected in accordance with relevant legislation, and their inspection, maintenance, and repairs shall be performed by specially trained personnel.</li> <li>• All construction machinery and equipment to be used shall undergo the required periodic inspections and/or maintenance; compliance with standards and CE certificates shall be checked; relevant records shall be kept; otherwise, such equipment shall not be allowed into the work area. Workers assigned to use such equipment shall be provided with job-specific training.</li> <li>• Maintenance forms for all work equipment to be used on site shall be provided, regular</li> </ul>	
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	<p>maintenance and repairs shall be carried out, and responsible personnel for maintenance and repair works shall be designated.</p> <ul style="list-style-type: none"> <li>• Risk analyses shall be updated when new equipment is introduced or innovations are made in the execution of work, and all changes shall be accompanied by updated information/training.</li> <li>• All lifting equipment, pressure vessels, and boilers to enter the site shall be approved for entry after periodic inspections have been verified (by the Consultant).</li> <li>• All machinery, equipment (including scaffolding), and hand tools to be brought into the site shall be checked for compliance with TSE standards and CE certification, and entry approval shall be granted by the Consultant.</li> <li>• Planning of procurement, delivery processes, and storage areas for materials shall be ensured.</li> <li>• The Contractor shall assign at least one (1) employee with First Aid Certification for every ten (10) workers working in the same building, and at least one (1) certified first aider even if the number of workers is below ten (10). Each team working in separate buildings shall be evaluated individually.</li> <li>• A procedure for working with hazardous chemicals shall be prepared, and designated storage areas for materials shall be established. Chemical substances shall be accepted on site only after checking their safety data sheets (SDS).</li> <li>• Workers without vocational qualification certificates shall not be employed.</li> <li>• All workers shall begin work only after completing basic OHS training and induction training. Trainings shall be updated where required by legislation.</li> <li>• Indoor and outdoor renovation areas shall be marked off with warning/tape barriers. Sufficient warning signs shall be installed to restrict access to these areas.</li> <li>• Visitors shall not be allowed to approach work areas. However, when necessary for monitoring purposes, building technical staff may enter such areas under supervision of authorized personnel, provided that proper safety measures are taken and the required PPE is used within the scope of their expertise. Training materials shall be prepared for such visitors, and they shall be trained before entering the site.</li> <li>• A construction method statement and risk assessment shall be prepared for each activity to be carried out on site.</li> <li>• A work permit system shall be established for high-risk works such as night work, working at height, excavation, welding, etc.</li> <li>• A lockout-tagout (LOTO) system shall be established for maintenance and repair works, and operations on live energy lines such as high-voltage tasks. Special training shall be provided to</li> </ul>	
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	<p>workers regarding this system.</p> <ul style="list-style-type: none"> <li>• A disciplinary enforcement system regarding OHS nonconformities on site shall be established, and all workers shall be trained on this matter.</li> <li>• Construction activities shall primarily be carried out during daytime. However, if night work is performed, all work areas, passageways, and hazardous zones shall be properly illuminated.</li> <li>• Procedures covering emergency situations that may occur during construction activities (e.g., fire, earthquake, chemical spill, etc.)—and addressing public and environmental health—shall be prepared and shared with all workers.</li> <li>• In the event of short- or long-term electricity, water, or natural gas interruptions due to construction activities, necessary safety measures shall be taken, and building users shall be informed a reasonable time in advance.</li> <li>• All documents and records required under OHS legislation—such as health screenings of workers, onboarding documents (personnel files), training materials, PPE delivery receipts, and approved site logs—shall be kept on site. These documents shall be ready for presentation during Consultant and Ministry inspections.</li> <li>• An organizational chart shall be prepared under the OHS heading, specifying duties, authorities, responsibilities, and contact information.</li> <li>• If modifications are made to public building entrances during construction works, accessible structures for disabled users shall be provided.</li> <li>• The OHS Plan to be prepared shall also address community health and safety, and shall designate a person and position responsible for communication with building users and the local population.</li> <li>• Records of all activities and incidents (meetings, inspections, supervision, training, accidents, fires, etc.) occurring throughout the construction phases shall be maintained.</li> <li>• In accordance with the SREEPB Project’s Labor Management Procedures, and covering both the Contractor and all subcontractors:</li> <li>• The Contractor and all subcontractors shall prepare a written and signed social policy/commitment letter stating that they will not engage in forced or compulsory labor, will not employ child labor or uninsured workers, and will not allow any discrimination (based on age, gender, religion, language, race, etc.), coercion, mistreatment, bullying, insults, or humiliation among their workers. The document shall also emphasize that all contractor personnel must adhere to these principles in their relationships and communication with one another.</li> <li>• The Contractor shall take preventive measures to avoid the spread of communicable diseases (including sexually transmitted infections such as HIV) and non-communicable diseases arising</li> </ul>	
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		from the execution of construction works, and shall act with awareness of the fact that vulnerable and marginalized community groups may face different levels of risk. The Contractor shall implement measures to prevent and mitigate the spread of communicable diseases that may result from temporary or permanent labor mobility related to the contract.	
	<p><b>b) OHS</b></p> <p>Possible adverse health impacts on workers, facility users, children, and the general public as a result of asbestos fiber and dust emissions during debris transport and final disposal</p>	<ul style="list-style-type: none"> <li>• The project site shall be illuminated throughout the night.</li> <li>• No waste shall be discarded in the surrounding area, and this area shall be kept clean. Waste must be collected from and removed out of the construction site.</li> <li>• Any broken glass that occurs during the process shall be cleaned up immediately.</li> <li>• Work areas shall be separated from the demolition and occupied sections of the building using physical barriers.</li> <li>• All procedures related to asbestos shall be implemented in accordance with Annex-8 of the Environmental and Social Management Framework document. Activities shall be conducted in compliance with Annex 8, the Regulation on Health and Safety Measures in Working with Asbestos, and relevant legislative requirements.</li> <li>• The building's cleaning schedule shall be expanded to address the excess dust and dirt generated by the demolition work.</li> <li>• Hazardous materials shall be handled—during storage, transport, and distribution—in accordance with safety guidelines to minimize the risk of misuse, leakage, and accidental human exposure.</li> <li>• Old windows and doors shall be temporarily stored in a secure area designed to prevent unauthorized access.</li> <li>• Regular maintenance shall be carried out on vehicles to minimize the risk of serious accidents due to equipment failure or early malfunction.</li> <li>• Both training sessions and incidents (such as fatalities, lost-time injuries, leaks, fires, and other significant events) shall be recorded.</li> <li>• In the event of a major incident, the Contractor shall immediately notify the MoEUCC. The MoEUCC shall report any significant incident (such as accidents, leaks, fatalities) to the World Bank within 2 days (48 hours), and submit an incident investigation report along with a corrective action plan to the World Bank within 30 working days.</li> </ul>	Contractor

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	<p><b>c) Safety</b></p> <ul style="list-style-type: none"> <li>• From the moment construction/implementation activities commence, the Contractor shall be responsible for the safety of life and property of all staff and other individuals within the construction site.</li> <li>• In the event of any damage occurring during the construction works, the Contractor shall fully compensate the damages incurred by the Beneficiary Institution, the Employer, and/or third parties.</li> <li>• During the works, the safety regulations of the Republic of Türkiye Ministry of Labor and Social Security and the rules of the Ministry of Health shall be taken into consideration. These rules shall serve as general references during the execution of the works.</li> <li>• The Contractor shall assign an authorized staff member specifically responsible for safety and protection against accidents on site. This person shall be responsible not only for all workers and labor force of the Contractor but also for the Project Manager, the Employer's personnel on site, equipment, offices, and other facilities. This individual shall possess the necessary qualifications for the task, have the authority to issue instructions, and be capable of taking all necessary measures to prevent accidents. The Contractor shall establish a dedicated team specifically for this purpose.</li> <li>• The Contractor shall take all necessary safety precautions to protect the materials, equipment, and constructions that will remain in place and be used in the areas where production is to be carried out.</li> <li>• A sufficient number of guards forming a security team shall operate in coordination with municipal law enforcement, strictly complying with all rules and instructions received from them. The Contractor shall provide at least one (1) night guard for the work site.</li> <li>• The scrap of replaced machinery, equipment, and systems shall be delivered to the building management without damage.</li> <li>• The relevant machinery, equipment, and system components shall be transported by the Contractor to the location specified by the building management (inside the building and/or within the campus). Transport and delivery procedures shall be documented with a delivery protocol. From the date on which the protocol is signed by the parties, all responsibility for the scrap materials shall rest with the building management.</li> </ul>	Contractor
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<p>Renovation and strengthening works for improving seismic resistance and energy efficiency in public buildings</p>	<p><b><i>d) Waste Management</i></b></p> <p>Possible adverse environmental and health impacts may arise due to various waste streams and improper waste management (improper waste management may cause direct and indirect pollution in water and soil)</p>	<p><b><u>General Information</u></b></p> <ul style="list-style-type: none"> <li>• The PIU and the Consultant shall monitor the implementation of environmental and social impact mitigation measures, as specified in the Environmental and Social Management Plan, through site inspections.</li> <li>• The PIU and the Consultant shall conduct regular site inspections to ensure and monitor that all construction activities are carried out in compliance with national laws and regulations and the World Bank ESF requirements.</li> </ul>	<p>PUB Consultant</p>
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		<ul style="list-style-type: none"> <li>• The Waste Management Plan shall be prepared by the Contractor as specified in Annex 9 of the Environmental and Social Management Framework.</li> <li>• Waste collection and disposal methods and locations for all types of waste expected to be generated from renovation, demolition, and construction activities shall be defined in site-specific Waste Management Plans.</li> <li>• Daily visual site inspections shall be carried out by the Consultant to monitor the implementation of mitigation measures.</li> <li>• During construction activities, all types of waste shall be collected separately at the source and transported to temporary waste storage areas selected in accordance with project and legal requirements, and identified with the knowledge of the Beneficiary within the site. (Temporary storage duration is limited to 6 months.)</li> <li>• Temporary storage areas shall be designated by the Contractor upon receiving permission from the Management of Tunceli Government House, and these areas shall be reported to the Consultant.</li> <li>• If a protocol is signed between the Contractor and the Beneficiary Institution, the existing waste management system may be used. However, under the protocol, the Contractor shall be responsible for covering the costs arising from its own waste.</li> <li>• The Contractor shall reuse and recycle suitable and feasible materials where possible.</li> <li>• Documentation related to waste disposal and recycling shall be regularly recorded. A Waste Record Information Form shall be prepared for maintaining these records.</li> <li>• Hazardous waste shall be sent to licensed disposal facilities using the waste management application via the Integrated Environmental Information System (E-ÇBS) of the Ministry of Environment, Urbanization and Climate Change. For this purpose, the Contractor shall register in E-ÇBS.</li> <li>• In case tire replacement is required during construction activities, used tires shall be disposed of through businesses engaged in tire distribution and sales, and by means of licensed transportation vehicles.</li> </ul>	Contractor
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<sup>7</sup> [https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/kadev-p175894\\_csync\\_final100521--mayis\\_20210510070430.pdf](https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/kadev-p175894_csync_final100521--mayis_20210510070430.pdf)

		<p><b><u>Construction and Excavation Waste::</u></b></p> <ul style="list-style-type: none"> <li>• In the event that inventoried materials belonging to the building are generated as a result of dismantling activities, a document confirming delivery of such materials to the building management shall be obtained.</li> <li>• The recovery of construction/demolition waste, especially its reuse as infrastructure material, shall be prioritized. Excavation waste shall be sent to the waste storage facility of the relevant municipality. An official letter from the Tunceli Municipality confirming that the waste will be accepted shall be obtained and submitted to the Employer.</li> <li>• Until construction and excavation waste is transported to the waste storage facility, it shall be stored on site under cover, and measures shall be taken to prevent any negative impacts.</li> </ul> <p><b><u>Waste Batteries and Accumulators:</u></b></p> <ul style="list-style-type: none"> <li>• Waste batteries and accumulators shall be delivered to licensed facilities via authorized transportation companies.</li> </ul> <p><b><u>Hazardous Waste:</u></b></p> <ul style="list-style-type: none"> <li>• In the event of temporary storage of hazardous waste on the project site, the waste shall be stored in durable, leak-proof, secure containers that comply with internationally recognized standards, within the project area. The containers shall be labeled as hazardous waste and shall include the waste code, quantity, content, characteristics, storage conditions, and storage date. Hazardous substances may be temporarily stored for a maximum of 6 months. (Temporary storage areas shall be designated by the Contractor in compliance with legislation and with permission from the relevant Governmental HouseAdministration for the project. These areas shall be reported to the Consultant.)</li> <li>• Regardless of the amount of waste, Liability Insurance shall be obtained for the operation of temporary storage areas for both hazardous and non-hazardous waste.</li> <li>• Containers storing harmful substances and waste oils shall be placed on impermeable concrete areas to prevent leakage or spills into the soil.</li> <li>• Paints with toxic content, solvents, or lead-based chemicals shall not be used.</li> <li>• Hazardous waste management shall be carried out in accordance with the Waste Management Regulation. All details shall be included in the Waste Management Plan to be prepared by the Contractor.</li> <li>• Hazardous chemicals and waste that may be generated at the construction site shall be sent to licensed disposal facilities using the waste management application of the Ministry of Environment, Urbanization and Climate Change via the Integrated Environmental Information System (E-ÇBS).</li> <li>• Absorbent pad kits/sawdust and fire extinguishers shall be kept available in the work areas. A</li> </ul>	Contractor
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		<p>responsible person for the temporary waste storage area shall be assigned, and their name and contact information shall be posted in a visible location at the temporary waste storage area. All personnel on duty shall receive training on protection and emergency response related to hazardous chemical spills and leaks.</p> <ul style="list-style-type: none"> <li>• In the event of medium- and large-scale environmental accidents, an accident investigation shall be conducted and reported. The Waste Management Regulation shall be followed in this regard.</li> <li>• Used fluorescent lamps removed during renovation/construction works shall be disposed of at licensed facilities. Required documents related to the transportation and disposal of the materials shall be kept at the construction site and submitted to the MoEUCC and the World Bank upon request.</li> </ul> <p><b><u>Solar Panels:</u></b></p> <ul style="list-style-type: none"> <li>• Unused and/or end-of-life solar panels shall be temporarily stored for a maximum of 6 months in an area identified together with the beneficiary institution, in a manner that does not pose occupational health and safety or environmental risks.</li> <li>• After temporary storage, PV panels transported to licensed facilities via licensed vehicles shall first be recovered; those that cannot be recovered shall be disposed of in accordance with the relevant legislation.</li> </ul> <p><b><u>Domestic Waste:</u></b></p> <ul style="list-style-type: none"> <li>• Domestic waste generated shall be segregated at the source (plastic, glass, paper, etc.), and recyclable materials shall be recycled. Workers shall be trained to properly separate waste.</li> <li>• Non-recyclable waste shall be collected in closed sanitary waste bins and sent to regular landfill sites via Tunceli Municipality's solid waste collection system.</li> </ul> <p><b><u>Asbestos:</u></b></p> <ul style="list-style-type: none"> <li>• If asbestos is present at the project site, it shall be clearly marked as a hazardous material.</li> <li>• If asbestos is present, it shall be securely contained to minimize exposure and ensure it is sealed properly.</li> <li>• In cases where asbestos removal is required, a wetting agent shall be used before removal to minimize asbestos dust.</li> <li>• All procedures related to asbestos are detailed in Annex 8 of the Environmental and Social Management Framework document (<a href="https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/kadev-p175894_csyc_final100521--mayis_20210510070430.pdf">https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/kadev-p175894_csyc_final100521--mayis_20210510070430.pdf</a>). The Contractor shall act in accordance with the specified content.</li> <li>• If asbestos material is to be temporarily stored, the waste shall be securely kept in sealed containers</li> </ul>	
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		<p>and appropriately labeled. Security measures shall be taken to prevent unauthorized removal from the site.</p> <ul style="list-style-type: none"><li>• Removed asbestos shall not be reused and shall be disposed of in accordance with national regulations and sent to licensed facilities. Documents related to the transport and disposal of the material shall be kept at the construction site and submitted to the MoEUCC and the World Bank upon request.</li></ul>	
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	<p><b>e) Pollution Prevention</b> Demolition and construction activities may cause pollution at construction sites.</p>	<ul style="list-style-type: none"> <li>• Site-Specific Pollution Prevention Plans to be prepared by the Contractor shall be reviewed by the Consultant and approved by the PIU.</li> <li>• Regular site inspections shall be conducted by the Consultant, and by the PIU when deemed necessary, to ensure and monitor that all construction activities are carried out in compliance with national laws and regulations and the World Bank ESF requirements.</li> </ul>	PUB Consultant Contractor
		<ul style="list-style-type: none"> <li>• Ambient air pollution caused by dust generation is addressed under section "g. Air Quality/Emission" of this Table.</li> <li>• Hazardous substances shall be secured in designated storage areas to prevent spills and toppling. Updated material safety data sheets (MSDS) for chemicals shall be kept in the storage areas.</li> <li>• Partially used chemical containers shall have lids and shall be tightly sealed when not in use.</li> <li>• Residual (leftover) concrete inside concrete mixers shall not be discharged onto the construction site, surrounding area, or access roads to the sites. Concrete mixer drivers shall be trained accordingly.</li> <li>• In the event of a hazardous substance or hazardous waste spill, containment methods shall be applied to limit the exposure area.</li> <li>• Spill kits shall be placed at appropriate locations on construction sites.</li> <li>• In case of any spill, workers responsible for responding to such incidents shall be designated and trained in emergency spill response.</li> <li>• Training records shall be kept at the construction sites.</li> </ul>	Contractor
	<p><b>f) Noise</b> The presence of workers on site, renovation/construction works, and the movement of transportation vehicles will increase noise and vibration levels.</p>	<ul style="list-style-type: none"> <li>• Regular site inspections shall be conducted by the Consultant, and by the PIU when deemed necessary, to ensure and monitor that all construction activities are carried out in compliance with national laws and regulations and the World Bank ESF requirements.</li> <li>• Noise during demolition and construction shall be limited to the restricted time periods agreed upon in the permit.</li> <li>• During construction activities, generator sets, air compressors, and other operating mechanical equipment shall have their engine covers closed and be placed as far as possible from student areas and other campus buildings not included in the project. The use of rubber/plastic pads is mandatory for all such equipment to prevent excessive noise due to vibration. This requirement shall be taken into consideration when selecting equipment.</li> <li>• Impact noise resulting from site operations shall not exceed 100 dBC in terms of LC Max noise indicator, as specified in the Environmental Noise Control Regulation. From an occupational health and safety perspective, the World Health Organization (WHO) recommends that noise exposure levels should not exceed 70 dB over a 24-hour period and 85 dB for 1 hour to prevent hearing impairment. Additionally, the World Bank Environmental, Health and Safety Guidelines (Table 1.7.1) recommend that noise levels</li> </ul>	Contractor

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		<p>should not exceed 55 dB during 07:00–22:00 and 45 dB during 22:00–07:00 for residential/educational and institutional areas (link). This requirement shall be taken into account during site inspections.</p> <ul style="list-style-type: none"> <li>• During the demolition process following the start of construction, noise levels shall be measured once, indoors and outdoors, by accredited laboratories. If the permitted levels defined by legislation are exceeded, necessary measures shall be identified. If the levels exceed the limits defined in legislation and the World Bank Guidelines, measurements shall be repeated weekly at regular intervals.</li> <li>• Based on measurement results, if necessary, the Contractor shall take additional measures such as installing noise barriers and reducing the simultaneous operation of machinery to prevent nearby settlements from being affected by noise.</li> <li>• Site evaluations shall be conducted in accordance with the Environmental Noise Guidelines for the European Region of the World Health Organization.</li> <li>• If noise levels increase during the construction phase, simultaneous operation of heavy machinery shall be prevented.</li> <li>• Work schedules for high-noise activities shall be planned in coordination with the occupants of nearby buildings.</li> <li>• To assess the impact of construction-related noise and to take necessary mitigation measures, communication shall be established with residents of the nearest settlements.</li> <li>• Measures such as using newer model vehicles shall be taken to minimize noise levels as much as possible.</li> <li>• The unnecessary use of horns and sirens by vehicles transporting machinery, equipment, materials, and personnel under the project shall be prohibited. This rule applies both inside and outside the campus. To receive and address grievances related to such matters, contact numbers shall be affixed to the vehicles.</li> </ul>	
	g) <i>Air Quality / Emission</i>	<ul style="list-style-type: none"> <li>• Debris shall be kept in a controlled area, and water shall be sprayed to reduce dust from the debris. (Water shall be supplied from the campus infrastructure. The cost of the water used shall be covered by the Contractor. In the event of a prolonged water outage or if permission from the Employer cannot be obtained, water shall be supplied via water tanker.)</li> <li>• Following the start of construction, the Contractor shall perform one-time dust measurements in both indoor and outdoor areas through accredited laboratories during the demolition process. If the measurement results exceed the permissible levels defined in the legislation, additional measures shall be taken to eliminate the issue, and the measurements shall be repeated at regular intervals. Principles to prevent air quality problems caused by demolition activities shall be defined in the Construction Methods to be prepared by the Contractors and approved by the PIU.</li> <li>• Rehabilitation and strengthening works shall primarily take place inside the building. Dust generated</li> </ul>	Consultant Contractor

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		<p>during pneumatic chiseling and scraping operations shall be suppressed continuously through water spraying.</p> <ul style="list-style-type: none"> <li>• Dust generated during pneumatic excavation shall be suppressed continuously through water spraying and/or, when necessary, by installing dust screen barriers on the construction site.</li> <li>• In the event of the generation of demolition waste, a debris chute shall be used starting from the second floor. In cases where a debris chute cannot be installed, alternative solutions shall be developed, and debris shall not be thrown from a height under any circumstances.</li> <li>• To minimize dust, the surrounding environment (sidewalks, roads) shall be cleared of debris.</li> <li>• Construction materials/waste shall not be burned in open areas on site.</li> <li>• Construction vehicles shall not be left idling for extended periods at the construction sites.</li> <li>• When materials need to be transported off-campus, truck beds shall be covered. The speed limit for such vehicles within the campus is restricted to 20 km/h.</li> <li>• All vehicles to be used shall have valid exhaust emission permits, and all vehicles shall be regularly maintained or monitored to ensure that maintenance is performed.</li> </ul>	
	<p><b>h) Water Quality</b> Uncontrolled disposal of wastewater/waste generated at the construction site</p>	<ul style="list-style-type: none"> <li>• The storage or disposal of waste generated at the construction site shall be minimized.</li> <li>• Tunceli Government House is located approximately 600 m from the Munzur River. Provided that the waste is collected in accordance with the Waste Management Plan, no adverse impact on surface waters is expected.</li> <li>• Construction vehicles and machinery shall only be washed in areas where surface runoff will not pollute natural surface water bodies.</li> <li>• In operations involving chemicals, measures such as trays, thick plastic sheeting, etc., shall be taken to prevent potential spills.</li> </ul>	Consultant Contractor
	<p><b>i) Soil Quality</b> Contamination of soil by hazardous substances and waste</p>	<ul style="list-style-type: none"> <li>• Waste management, as mentioned in previous sections, shall be carried out in a disciplined manner.</li> <li>• All hazardous chemicals (including contaminated waste) shall be stored in temporary storage areas that meet containment/sealing requirements.</li> <li>• Before the use of any chemicals, Material Safety Data Sheets (MSDS) shall be reviewed by the OHS Specialist and Workplace Physicians, and users shall be informed. Spill pads shall be kept on site to prevent point-source pollution (e.g., spilled paint, oil leaks from vehicles), and all workers shall be subjected to spill &amp; leak response training. These trainings shall be reinforced through drills. At least one spill response kit shall be kept for each building and for each mobile construction machine.</li> </ul>	Consultant Contractor

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	<b>j) <i>Required Resources</i></b>	<ul style="list-style-type: none"> <li>Contractors shall obtain the necessary permissions from the Governmental House administration to use water from the municipal network for construction activities. The cost of the water used shall be covered by the Contractor. In case of any issues in obtaining permission, water shall be supplied to construction sites via tankers.</li> <li>Concrete shall be procured from locally licensed ready-mix concrete plants.</li> <li>Permission shall be obtained from the Beneficiaries for the use of electricity during construction activities. If such permission cannot be obtained, electricity shall be supplied via generators provided by the Contractor. Records of electricity (for generators), fuel, and water consumption used for construction activities shall be kept at the construction sites, and the costs shall be borne by the Contractor.</li> </ul>	Contractor
		<ul style="list-style-type: none"> <li>Regular site inspections shall be conducted by the Consultant, and by the PIU when necessary, to ensure and monitor that all construction activities are carried out in compliance with national laws and regulations and the requirements of World Bank standards.</li> </ul>	PIU Consultant



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	<p><b><i>k) Community Health and Safety / Traffic and Pedestrian Safety</i></b></p>	<ul style="list-style-type: none"> <li>• To ensure and monitor that all construction activities are carried out in compliance with national laws and regulations, World Bank standards, and the Occupational Health and Safety Plan prepared for the activity, regular site inspections shall be conducted by the PIU every two months and by the Consultant on a daily basis.</li> <li>• The PIU shall review and approve the site-specific Community Safety and Traffic Management Plan prepared in accordance with the Occupational Health and Safety Plan.</li> <li>• The Contractor and the Consultant shall jointly develop the Traffic Action Plan by also taking into consideration the needs of persons with disabilities.</li> <li>• In line with national regulations and World Bank ESF requirements, the Contractor shall ensure that the construction site is properly secured and that construction-related traffic is managed accordingly.</li> <li>• Signboards, warning signs, barriers, and traffic directions shall be installed; the construction site shall be clearly visible, and the public shall be warned against all possible hazards.</li> <li>• A traffic management system and personnel training shall be provided, especially for access to the site and areas of heavy traffic near the site. Safe crossings and walkways for pedestrians shall be ensured at points intersecting with construction traffic.</li> <li>• Working hours shall be adjusted in accordance with local traffic patterns; for example, major transportation activities shall be avoided during peak hours or during livestock transportation periods.</li> <li>• If necessary, active traffic management at the site shall be carried out by trained and visible personnel to ensure safe and comfortable passage for the public.</li> <li>• Construction areas shall be surrounded by health and safety signs to prevent potential accidents.</li> <li>• In the event of short- or long-term interruptions in electricity, water, or natural gas due to construction activities, the relevant building technical units shall be notified in advance and approval shall be requested.</li> <li>• Construction areas shall be physically separated with barriers to prevent unauthorized access and to ensure site security.</li> </ul>	<p>Consultant Contractor</p>
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		<ul style="list-style-type: none"> <li>• All vehicles operating during the construction period shall comply with the designated speed limits.</li> <li>• The surroundings and nearby areas of the project site shall be organized with traffic signs and warning boards. The Traffic Action Plan is included in the Occupational Health and Safety Plan prepared by the Consultant. In addition, before starting the works, the Contractor shall include more detailed safety precautions in the Community Safety and Traffic Management Plan to be prepared.</li> <li>• Visibility of the project site shall be ensured.</li> <li>• Pedestrian paths and vehicle routes within the site shall be separated from each other. These routes shall be reflected in the traffic plan.</li> <li>• Local residents, building visitors, and users shall be informed about potential hazards and risks through warning signs and, if necessary, information meetings.</li> <li>• Users and other stakeholders shall be informed about the works to be carried out, including measures taken in the event of a pandemic, through appropriate media and/or printed materials and signage placed in publicly accessible areas (including construction sites).</li> <li>• Pedestrian paths and vehicle routes within the site shall be separated from each other. These routes shall be reflected in the traffic plan.</li> <li>• Activities that may affect regional traffic shall be scheduled with consideration of peak traffic hours as much as possible. All drivers involved in the project shall be informed about road safety, speed limits, traffic rules to be followed during the project, and special conditions to be observed.</li> <li>• The weights of vehicles to be used within the scope of the project shall not exceed the limits defined by the relevant legislation.</li> <li>• If hazardous chemicals or waste are stored on site, their transportation shall be carried out by licensed carriers in a manner that does not pose a threat to public health.</li> <li>• Special loads shall use routes prepared in coordination with the competent authorities. These routes shall be scheduled to avoid traffic congestion and shall be announced in advance to prevent potential disturbances.</li> <li>• All traffic-related arrangements shall be discussed and planned with the relevant authorities.</li> </ul>	<p>Consultant Contractor</p>
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Operational Phase Impacts and Risks	<b>a) Waste Management</b> Improper waste management involving various waste streams may cause potential adverse environmental and health impacts (improper waste management may result in direct and indirect pollution of soil and the environment and may also affect air quality)	<ul style="list-style-type: none"> <li>Waste reduction at the source shall be ensured, and in this context, trainings shall be provided to employees.</li> <li>Waste types shall be collected and stored separately, and their recovery/disposal shall be carried out through licensed companies in accordance with national legislative requirements.</li> <li>Records shall be kept regarding the waste collected, stored, or transported.</li> </ul>	Beneficiary
	<b>b) OHS Risks</b> Maintenance and repair activities for the proper functioning of the building may pose OHS risks for workers.	<ul style="list-style-type: none"> <li>Relevant OHS risks shall be mitigated through the provisions specified in national legislation.</li> <li>Regular preventive measures and maintenance activities for the proper functioning of the building (regular inspection and maintenance of the roof, windows, doors, and any potential leakages)</li> <li>Keeping records of the Main Design Project and related project documents to facilitate easy maintenance and replacement of any part of the building</li> </ul>	Beneficiary
Throughout the project duration	<b>Stakeholder Feedback (Suggestions, Grievances, Opinions)</b>	<ul style="list-style-type: none"> <li>Grievances/opinions/suggestions arising from construction activities shall be collected, recorded, and submitted to the Employer by the responsible staff member of the construction Contractor at the site level, using the forms provided in Annex III and Annex IV. Grievances shall be closed using the Grievance Closure Form provided in Annex V.</li> <li>The Consultant's Social Specialist shall provide training to the Contractor's site representative regarding the functioning of the Grievance and Resolution Mechanism.</li> <li>Corrective actions shall be taken within 15 calendar days for grievances/opinions/suggestions collected under the project. If the resolution process exceeds 15 calendar days (maximum duration is 30 calendar days), this matter must be agreed upon between the complainant and the Contractor/PIU. At the end of the process, the applicant shall be informed that the request has been closed.</li> <li>In cases of grievances related to gender-based violence, sexual exploitation, and harassment, confidentiality shall be ensured and action taken in accordance with the principle of non-retaliation.</li> <li>In the event of encountering a Sexual Exploitation and Abuse (SEA) crime, legal procedures (such as reporting the incident to law enforcement authorities or referring the survivor to the relevant public institution) shall be initiated immediately, with the survivor's consent and knowledge. In such cases, the PIU Social Specialist shall be informed on the same day.</li> <li>The Contractor shall carry out all activities related to the Grievance Mechanism (GM) in</li> </ul>	PIU Consultant Contractor

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		<p>accordance with the SREEPB Project GM Procedure.</p> <ul style="list-style-type: none"> <li>• All personnel working under the SREEPB Project (PIU, Consultant Firm, Contractors) may report their grievances/opinions/suggestions to the Employer and/or the World Bank by following the procedure outlined in the Employee GM section of the Labor Management Procedures prepared for the SREEPB Project.</li> <li>• To ensure the collection of suggestions and grievances, the Contractor shall display the contact information provided in this report via information boards assigned both outside and inside the building (at least one per floor).</li> </ul> <p>The principles regarding the receipt of feedback are explained under the section titled “4. Stakeholder Engagement and Grievance Mechanisms” of this document.</p>	
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## 6. Environmental and Social Monitoring Plan

*Table 7 Environmental and Social Monitoring Plan*

<b>What parameter be monitored?</b>	<b>Where parameter be monitored?</b>	<b>How parameter be monitored?</b>	<b>When parameter be monitored (frequency)?</b>	<b>Why parameter be monitored?</b>	<b>Responsibility</b>
<b>Renovation and Retrofitting Works Site Preparation Activities</b>					
Community health and safety management and implemented protection measures	Around the project site	Visual inspections Site Supervision Active implementation and presence of the Community Safety and Traffic Management Plan on site	At the beginning of the renovation/strengthening works (first day) Every working day throughout the project activities	To ensure minimization of health and safety risks and mechanical injuries to local residents	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>
OHS protection measures implemented for workers at construction sites	Project site and buildings near the project site	Visual inspections Site Supervision Implementation and presence of the OHS Plan on site	Every working day throughout the project activities	Compliance with the Occupational Health and Safety Law, relevant regulations, communiqués, circulars, and other provisions	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>
Avoiding and minimizing safety and health risks for Project-Affected People	In the building and at the project site	Visual inspections	At the beginning of and continuously every working day during the renovation/strengthening works	To prevent harm to the health of project-affected people due to inhalation of asbestos fibers and/or construction dust	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>

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<b>What</b> <i>parameter be monitored?</i>	<b>Where</b> <i>parameter be monitored?</i>	<b>How</b> <i>parameter be monitored?</i>	<b>When</b> <i>parameter be monitored (frequency)?</i>	<b>Why</b> <i>parameter be monitored?</i>	<b>Responsibility</b>
<b>Renovation and Retrofitting Construction Works</b>					
OHS protection measures implemented for workers on site ( <i>working at height, working with hazardous materials, working with rotating equipment, working with electrical devices, etc.</i> )	Project site  Buildings near the project site	Inspection of documents related to relevant OHS certificates and trained workers Visual inspections for use of protective equipment Implementation of the OHS Plan and site-specific Health and Safety instructions Site supervision Inspection of records	Before starting demolition works Every working day throughout the project activities	To minimize occupational health and safety risks for workers Compliance with the Occupational Health and Safety Law, relevant regulations, communiqués, circulars, and other provisions	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>
Manufacturing, Operation, and Delivery (pipeline manufacturing and construction)	Project Site	Visual Inspections, Site Control Records, Required Tests, Verification of Personnel Competency by the relevant authority	During the relevant manufacturing process in the project and upon completion of the manufacturing	To confirm that the pipeline construction is completed before handover, and to prevent a potential disaster after production and delivery to the end user	<ul style="list-style-type: none"> <li>• Beneficiary Institution</li> <li>• Service Provider Institution</li> <li>• OHS Department</li> <li>• Consultant</li> <li>• Contractor</li> </ul>
Working conditions and terms of employment	Project site	Final OHS Plan inspection Site supervision Grievance mechanism (feedback)	Every working day throughout the project activities	Compliance with the Occupational Health and Safety Law, relevant regulations, communiqués, circulars, and other provisions	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>
Health and Safety records	Project site	Inspection of Health and Safety site documents	Weekly	To ensure that the required Occupational Health and Safety records are kept at construction sites	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>

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<b>What parameter be monitored?</b>	<b>Where parameter be monitored?</b>	<b>How parameter be monitored?</b>	<b>When parameter be monitored (frequency)?</b>	<b>Why parameter be monitored?</b>	<b>Responsibility</b>
Air Quality	Across project sites, access roads, Project site,  Buildings near the project site	Site inspections  Measurement to be conducted during the demolition phase  Measurements to be conducted in case of grievances	Every working day throughout the project activities Once by the accredited laboratory In case of grievances	To minimize dust generation in order to prevent negative impact on local residents and the environment  Regulation on the Control of Industrial Air Pollution	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>
Noise	Project site  Buildings near the project site	Visual inspection/site supervision for the implementation of designated noise reduction measures, including declared methods used  Monitoring with noise measurement device at the nearest buildings (e.g., Police Housing)  Measurements to be conducted at the grievance point in case of grievances	Every working day during construction activities    Once by an accredited laboratory   In case of grievances	To minimize noise in order to prevent negative impact on local residents and the environment    Compliance with the Environmental Noise Control Regulation	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>
Waste Management	Project site	Waste records  Site supervision  Visual inspection	Every working day during construction activities	To prevent pollution in order to protect construction workers, beneficiary staff, local residents, and the environment	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>
Domestic Waste	Project site	Waste records  Site supervision	Daily / Throughout the project duration	Regulation on the Control of Packaging Waste Waste Management Regulation	<ul style="list-style-type: none"> <li>• Contractor</li> </ul>

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<b>What parameter be monitored?</b>	<b>Where parameter be monitored?</b>	<b>How parameter be monitored?</b>	<b>When parameter be monitored (frequency)?</b>	<b>Why parameter be monitored?</b>	<b>Responsibility</b>
Hazardous Waste	Project site	Waste records Site supervision Visual inspectio	Daily / Throughout the project duration	To separate hazardous waste (adhesives, paint, insulation materials, packaging waste) from non-hazardous waste and biodegradable waste	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>
Identification, proper packaging, and labeling of asbestos-containing waste as hazardous waste	At project construction sites  Before removal/dismantling works begin	Identification of asbestos-containing waste according to the waste list  Site supervision  Review of document records	Daily / Throughout the project duration  In case of detection	Regulation on Health and Safety Measures in Working with Asbestos	<ul style="list-style-type: none"> <li>• Consultant</li> </ul>
Proper temporary storage, packaging, and labeling of removed waste	Project site	Waste records Site supervision Visual inspections	Daily / Throughout the project duration	To minimize injuries, prevent environmental pollution, and ensure proper inventory keeping Waste Management Regulation	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>
Excavation and Construction Waste	Project site	Visual inspection Transport records Site supervision	After removal of all parts of the buildings containing hazardous materials Daily / Throughout the project duration	To ensure the disposal of excavation residue and construction debris in accordance with applicable national regulations and the Project's Demolition/Dismantling methodology Regulation on the Control of Excavation Soil, Construction and Demolition Waste	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>



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<b>What</b> <i>parameter be monitored?</i>	<b>Where</b> <i>parameter be monitored?</i>	<b>How</b> <i>parameter be monitored?</i>	<b>When</b> <i>parameter be monitored (frequency)?</i>	<b>Why</b> <i>parameter be monitored?</i>	<b>Responsibility</b>
Soil Pollution	Project sites, external storage areas, and access roads	Inspection of training records (spillage, leakage training)  Inspection of chemical absorbent kits (Site, mobile construction machinery)  Site supervision	Daily / Throughout the project duration	Protection of soil and groundwater quality • Regulation on the Control of Soil Pollution and Sites Contaminated by Point Sources • Regulation on the Control of Water Pollution • Regulation on the Protection of Groundwater against Pollution and Deterioration	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>
Vehicle and Pedestrian Safety	Project sites and access roads	Visual inspection  Use of appropriate signs and signals  Site supervision  Implementation of the Community Health and Traffic Management Plan	Daily	To protect construction workers, beneficiary staff, and local residents from injuries and fatalities related to traffic accidents	<ul style="list-style-type: none"> <li>• PIU</li> <li>• Consultant</li> <li>• Contractor</li> </ul>

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Grievance Mechanism	Project site Buildings near the project site	<p>Grievance and Suggestion Forms</p> <p>Grievance Closure Forms</p> <p>Total number of grievances (pending/resolved and gender- disaggregated)</p> <p>Number of grievances received</p> <p>Number of grievances resolved</p> <p>Grievance Log</p> <p>Presence of announcement posters related to the Grievance Mechanism (GM)</p> <p>Physical condition of suggestion and grievance boxes</p> <p>Condition of the lock mechanisms of suggestion and grievance boxes</p>	Weekly (Throughout the project duration)	<ul style="list-style-type: none"> <li>• Environmental and Social Management Plan (ESMP)</li> <li>• Grievance Mechanism (GM)</li> <li>• Stakeholder Engagement Framework (SEF)</li> </ul> <p>To enable stakeholders directly or indirectly affected by the project to express grievances/opinions/suggestions about project activities, to contribute to the project, and to benefit from it to the maximum extent</p>	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> <li>• PIU</li> </ul>
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<b>What</b> <i>parameter be monitored?</i>	<b>Where</b> <i>parameter be monitored?</i>	<b>How</b> <i>parameter be monitored?</i>	<b>When</b> <i>parameter be monitored (frequency)?</i>	<b>Why</b> <i>parameter be monitored?</i>	<b>Responsibility</b>
Stakeholder Engagement	Tunceli Government House	Number of participants in Stakeholder Engagement Meeting (gender-disaggregated) Inspection of project-related informational materials (announcement posters, web publications, etc.)	Daily	Fulfillment of the requirements of the Stakeholder Engagement Framework (and Grievance Mechanism)	<ul style="list-style-type: none"> <li>• PIU</li> <li>• Consultant</li> <li>• Contractor</li> </ul>
<b>Renovation/Strengthening Works Operation Process</b>					
Waste Flows	Retrofitted and energy-efficient buildings	Implementation of waste management requirements on site	Regularly (Throughout the project duration)	To ensure proper collection and disposal of waste in accordance with national legal requirements	<ul style="list-style-type: none"> <li>• Beneficiary Institution</li> </ul>
Health and Safety	Retrofitted and energy-efficient buildings	Regular inspection and maintenance of the parking area with installed solar energy system, roof, windows, doors, leakages (if any), etc.	Regularly (Throughout the project duration)	To ensure the health and safety of building residents/users	<ul style="list-style-type: none"> <li>• Beneficiary Institution</li> </ul>

## 7. Tasks and Responsibilities

*Table 8 Task Allocation List*

RESPONSIBLE PARTY	RESPONSIBILITY
MoEUCC/PUB	<ul style="list-style-type: none"> <li>Monitoring the implementation of the project and the use of funds</li> <li>Employment of at least one full-time Environmental, Social, and OHS specialist</li> <li>Carrying out and following up official correspondence with relevant authorities</li> <li>Ensuring and supervising that the ESMPs prepared specifically for the project comply with both national regulations and WB policies</li> <li>Approval of ESMPs following the relevant checks</li> <li>Establishment of the Grievance Mechanism</li> <li>Organizing and conducting project information meetings</li> <li>Providing guidance to the consultant and contractors</li> <li>Summarizing environmental and social aspects of project implementation in semi-annual progress reports and submitting them to the WB</li> <li>Providing coordination and liaison for WB supervision missions in the context of evaluating environmental and social safeguard policies during project implementation</li> <li>Auditing the contractor's implementation of the ESMP and documenting required performance, recommendations, and future activities as part of the general project supervision</li> <li>Ensuring corrective implementation by the contractor in case of non-compliance with the ESMP and informing the WB accordingly</li> <li>Supporting the consultant, if needed, in obtaining necessary permits during the project</li> <li>Reporting all significant incidents (such as accidents, spills, or fatalities) to the World Bank within 48 hours and submitting an incident investigation report with a corrective action plan within 30 working days.</li> </ul>
CONSULTANT	<ul style="list-style-type: none"> <li>Conducting a pre-site assessment before the project starts</li> <li>Employment of at least one full-time Environmental, one Social, and one OHS specialist</li> <li>Preparation of project-specific ESMP and Occupational Health and Safety Plan</li> <li>Monitoring, evaluating, and reporting to the Administration the activities defined as contractor responsibilities in the ESMP and OHS Plan</li> <li>Ensuring the operation of the Grievance Mechanism established by the Ministry</li> <li>Providing feedback to MoEUCC by preparing monthly/semi-annual reports on the project and ESMP processes</li> <li>Review and approval of Construction Methods prepared by the contractor</li> <li>Submitting an application to the energy distribution company for photovoltaic (PV) panel installation</li> <li>Submission of sub-management plans such as the Waste Management Plan and Pollution Prevention Plan, to be prepared by the Contractor, to PUB for review and approval,</li> <li>Review and approval of all sub-management plans related to Occupational Health and Safety by the Contractor</li> <li>Providing contractor trainings (Environmental Impacts, Waste Management, Efficient Use of Resources, OHS Plan Implementation and Monitoring Training, Environmental Emergency Response, Energy Efficiency, Stakeholder Engagement Information Activities, Code of Conduct, Grievance Mechanism, Gender-Based Violence/Sexual Exploitation/Sexual Abuse/Sexual Harassment, Lockout-Tagout Train-the-Trainer (LOTO), Work Permit System Training, Protection of Cultural Heritage)</li> </ul>
CONTRACTOR	<ul style="list-style-type: none"> <li>Employment of at least one full-time Environmental, one Social, and one OHS specialist</li> <li>Implementation on-site of the ESMP and OHS Plan, as well as laws, regulations, and directives prepared by the Consultant and included in the tender documents</li> <li>Proper implementation of the relevant laws and regulations stated in the tender documents</li> <li>If needed, updating the ESMP, SEP, and OHS Plan in cooperation with the Consultant during their implementation on site</li> <li>Preparation of an OHS Plan for the contractor's own activities, taking into account the Consultant's OHS Plan</li> </ul>

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	<ul style="list-style-type: none"><li>• Regular monitoring (daily, monthly, etc.) of the site activities defined in the project-specific ESMPs</li><li>• Preparation of the Community Safety and Traffic Management Plan</li><li>• Ensuring that the Grievance Mechanism established by the Ministry operates in accordance with the GRM Procedure</li><li>• Reviewing the ESMP prepared by the Consultant and either committing to its implementation or preparing the Contractor's own ESMP, including relevant sub-management plans (e.g., Waste Management Plan, Pollution Prevention Plan, Community Safety and Traffic Management Plan, Occupational Health and Safety Plan, etc.) and job-specific construction/implementation methods</li><li>• Preparation of the Chance Find Procedure, if deemed necessary</li><li>• Preparation of ESMP progress reports for review by MoEUCC</li><li>• Before the commencement of any construction work, establishment and transparent operation of the Worker Grievance Mechanism, as detailed in the Labor Management Procedures</li><li>• Preparation of a project-specific Labor Management Plan, taking into account the SREEPB Project Labor Management Plan (LMP)<sup>7</sup></li></ul>
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<sup>7</sup> [https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/kadev-p175894\\_ismgucuyonetimprosedurleri-nihai\\_tr\\_20210527081102.pdf](https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/kadev-p175894_ismgucuyonetimprosedurleri-nihai_tr_20210527081102.pdf)

## 8. Reporting

Details regarding the reporting requirements of the project are provided in the Environmental and Social Management Framework of the SREEPB Project, which is published on the project's website (<https://kamuguclendirme.csb.gov.tr>), and a summary is presented in Table 9.

*Table 9 Reporting Process Requirements List*

<b>RESPONSIBLE PARTY</b>	<b>REPORTING PROCESS REQUIREMENT</b>
MoEUCC/PUB	<ul style="list-style-type: none"> <li>• Preparation of the semi-annual Project Progress Report and submission to the World Bank (WB)</li> <li>• Reporting all significant incidents such as accidents, spills, or fatalities to the World Bank within 48 hours, and submission of an incident investigation report along with a corrective action plan to the World Bank within 30 working days</li> <li>• Monthly updates to the WB on the functioning of the Grievance Mechanism</li> </ul>
CONSULTANT	<ul style="list-style-type: none"> <li>• Preparation of ESMP implementation result reports for the review of the Administration</li> <li>• Preparation of monthly ESMP progress reports and submission to the Administration</li> <li>• Preparation of weekly GM reports and submission to the Administration</li> <li>• Immediate notification to PIU of any significant incidents such as accidents, spills, fatalities, or sexual harassment/exploitation</li> </ul>
CONTRACTOR	<ul style="list-style-type: none"> <li>• Preparation of monthly ESMP progress reports and submission to the Consultant for approval</li> <li>• Preparation of weekly GM reports and submission to the Consultant's Project Manager</li> <li>• Immediate notification to the Consultant of any significant incidents such as accidents, spills, fatalities, or sexual harassment/exploitation</li> <li>• Preparation of Incident/Accident and Root Cause Analysis Reports</li> <li>• Details of report content are provided in the Environmental and Social Management Framework</li> </ul>

## 9. ANNEXES

### ANNEX I Photographs of the Buildings Within the Scope of the Project



*Figure 5 General View of Tunceli Government Building*



*Figure6 A View from the Tunceli Government Building*

## **ANNEX II Summaries of World Bank (WB) Environmental and Social Standards**

Summary explanations of the World Bank Environmental and Social Standards (ESSs) are provided in the table below.

*Table 10 Summaries of World Bank Environmental and Social Standards*

<b>ESS</b>	<b>SUBJECT</b>	<b>SUMMARY REQUIREMENT</b>
ESS1	Assessment and Management of Environmental and Social Risks and Impacts	<p>ESS1 sets out the Borrower's responsibilities for assessing, managing, and monitoring environmental and social risks and impacts associated with each stage of a project supported by the World Bank through Investment Project Financing, to achieve environmental and social outcomes consistent with the Environmental and Social Standards (ESSs).</p> <p>Environmental and social assessment shall be based on current information/data and shall include a description of the project and all its relevant aspects, identification and determination of the nature of risks, impacts, and mitigation measures.</p> <p>The assessment shall prioritize disadvantaged and/or vulnerable social groups; assess the potential environmental and social risks and impacts of the project, examine project alternatives, and identify ways to improve project design and implementation to apply the mitigation hierarchy to adverse environmental and social impacts. It will also explore opportunities to enhance positive impacts of the project.</p> <p>Environmental and social assessment shall include stakeholder engagement as an integral part of the assessment process in accordance with ESS10. Under ESS1, the Borrower shall identify, assess, and manage the environmental and social risks and impacts of the project in a systematic manner throughout the project life cycle</p>
ESS2	Labor and Working Conditions	<p>The objectives of ESS2 are to: (i) promote safety and health at work; (ii) promote fair treatment, non-discrimination, and equal opportunity for project workers; (iii) protect workers, including vulnerable workers such as women, persons with disabilities, children of working age (as defined under ESS2), migrant workers, contracted workers, community workers, and primary supply workers; (iv) prevent the use of all forms of forced labor and child labor; (v) support the principles of freedom of association and collective bargaining of project workers in accordance with national law; and (vi) provide accessible grievance mechanisms for project workers to raise workplace concerns.</p> <p>The applicability and scope of implementation of ESS2 depend on the environmental and social assessment described in ESS1 and the type of employment relationship between the Borrower and the project workers.</p> <p>ESS2 requirements include the development and implementation of a written Labor Management Procedure (LMP) applicable to the project. These procedures will define how project workers will be managed in accordance with national law and the requirements of this ESS, and will include identification of the following:</p> <ul style="list-style-type: none"> <li>(i) working conditions and terms of employment, including non-discrimination and equal opportunity provisions (such as development and implementation of labor management procedures applicable to contractors and a Code of Conduct);</li> <li>(ii) protection of the workforce, including minimum age, prohibition of child labor, and forced labor;</li> <li>(iii) establishment and operation of grievance mechanisms for workers, including referral arrangements to the national system for potential Sexual Exploitation and Abuse/Sexual Harassment (SEA/SH) risks;</li> </ul>



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		<p>(iv) occupational health and safety;  (v) contracted workers;  (vi) community workers; and  (vii) inclusion of primary supply workers under the applicable framework.</p>
ESS3	Resource Efficiency and Pollution Prevention and Management	<p>ESS3 recognizes that economic activity and urbanization often result in pollution of air, water, and land, and consume limited resources in ways that may threaten people, ecosystem services, and the environment at the local, regional, and global levels. The current and projected atmospheric concentration of greenhouse gases (GHG) threatens the well-being of present and future generations. At the same time, technologies and practices for more efficient and effective resource use, pollution prevention, and avoidance and reduction of greenhouse gas emissions have become more accessible and achievable.</p> <p>This ESS sets out the requirements for addressing resource efficiency and pollution prevention and management throughout the project life cycle, in a manner consistent with Good International Industry Practice.</p> <p>The assessment of risks and impacts related to relevant ESS3 requirements—including raw materials, water use, air pollution, hazardous materials, and hazardous waste—and the proposed mitigation measures are to be included in the Environmental and Social Impact Assessment (ESIA) and Environmental and Social Management Plan (ESMP).</p>
ESS4	Community Health and Safety	<p>ESS4 recognizes that project activities, equipment, and infrastructure can increase the exposure of communities to risks and impacts. Additionally, communities already affected by the impacts of climate change may be more vulnerable to impacts that could arise from project activities.</p> <p>ESS4 addresses the health, safety, and security risks and impacts on project-affected communities and the responsibilities of Borrowers to avoid or minimize such risks and impacts, with particular attention to people who, due to specific circumstances, may be vulnerable to harm.</p>
ESS5	<p>Acquisition, Restrictions on Land Use and Involuntary Resettlement</p> <p><b>(This ESS is not applicable to the SREEPB Project)</b></p>	<p>ESS5 recognizes that project-related land acquisition and restrictions on land use can have adverse impacts on communities and individuals. Project-related land acquisition or restrictions on land use may result in physical displacement (relocation, loss of residential land, or loss of shelter), economic displacement (loss of land, assets, or access to assets leading to loss of income sources or other means of livelihood), or both.</p> <p>The term "involuntary resettlement" refers to these impacts. Resettlement is considered involuntary when affected persons or communities do not have the right to refuse land acquisition or restrictions on land use that result in displacement.</p>
ESS6	<p>Biodiversity Conservation and Sustainable Management of Living Natural Resources</p> <p><b>(This ESS is not applicable to the SREEPB Project)</b></p>	<p>The environmental and social assessment described in ESS1 shall take into account the direct, indirect, and cumulative impacts of the project on habitats and the biodiversity they support. This assessment shall consider threats to biodiversity such as habitat loss, degradation and fragmentation, invasive alien species, overexploitation, hydrological changes, nutrient loading, pollution, and incidental take, as well as the anticipated impacts of climate change.</p> <p>It shall determine the significance of biodiversity and habitats based on their vulnerability and irreplaceability at global, regional, or national levels, and shall also consider the differing values placed on biodiversity and habitats by project-affected parties and other relevant stakeholders.</p>


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ESS7	Indigenous Peoples/Sub-Saharan African Historically Underserved Traditional Local Communities  <b>(This ESS is not applicable to the SREEPB Project)</b>	This ESS acknowledges that Indigenous Peoples/Sub-Saharan African Historically Underserved Traditional Local Communities have identities and aspirations that are distinct from mainstream groups in national societies and are often disadvantaged by traditional models of development.
ESS8	Cultural Heritage	The Borrower shall avoid impacts on cultural heritage. Where avoidance is not possible, the Borrower shall identify and implement measures to address impacts on cultural heritage in accordance with the mitigation hierarchy. Where appropriate, the Borrower shall develop a Cultural Heritage Management Plan.
ESS9	Financial Intermediaries  <b>(This ESS is not applicable to the SREEPB Project)</b>	Financial intermediaries shall establish and maintain an Environmental and Social Management System (ESMS) to identify, assess, manage, and monitor the environmental and social risks and impacts of subprojects on an ongoing basis.
ESS10	Stakeholder Engagement and Information Disclosure	<p>This ESS recognizes the importance of open and transparent engagement between the Borrower and project stakeholders as an essential element of good international practice. Effective stakeholder engagement can enhance the environmental and social sustainability of projects, strengthen project acceptance, and contribute significantly to successful project design and implementation.</p> <p>The Borrower will engage with stakeholders throughout the project life cycle, beginning such engagement as early as possible in the project development process and in a timeframe that enables meaningful consultations on project design with stakeholders.</p> <p>The nature, scope, and frequency of stakeholder engagement shall be proportionate to the nature and scale of the project and its potential risks and impacts. Stakeholder engagement is an inclusive process conducted throughout the project life cycle.</p> <p>When appropriately designed and implemented, it supports the development of strong, constructive, and responsive relationships that are critical for the successful management of a project's environmental and social risks. Stakeholder engagement is most effective when initiated at an early stage of project development and is an integral part of the assessment, management, and monitoring of environmental and social risks and impacts of the project.</p>

### ANNEX III Suggestion & Grievance Form (Online)

The visual of the online form accessible at <https://kadevoneri.csb.gov.tr/oneri.jsp> is provided below.

**Yeni Şikayet Oluştur**



**TÜRKİYE CUMHURİYETİ  
ÇEVRE, ŞEHİRCİLİK VE  
İKLİM DEĞİŞİKLİĞİ BAKANLIĞI**

**KAMU BİNALARINDA DEPREM DAYANIMI ve ENERJİ  
VERİMLİLİĞİ PROJESİ (KADEV)**

ŞİKAYET / ÖNERİ FORMU



T.C. Kimlik Numaranız	
Adınız	
Soyadınız	
İl *	Seçiniz
Bina Adı *	
Şikayetiniz *	
Varsa Engel Durumunuz	Seçiniz
Geri Dönüş Tercihiniz	Seçiniz
E-posta	
Telefon	

Kaydet

Figure7 Suggestion & Grievance Form

#### ANNEX IV Suggestion & Grievance Form (Printed)

The template Suggestion/Grievance Form to be placed in the Grievance Boxes is provided below.

		<b>ŞİKÂyet VE ÖNERİ FORMU</b>		 <b>THE WORLD BANK</b> <small>IBRD • IDA   WORLD BANK GROUP</small>
<b>Referans No</b>				
<b>Tam Adı</b> ( <i>İsim ve iletişim bilgilerinin paylaşılması zorunlu olmamakla birlikte, şikayet/görüş/önerileriniz ile ilgili geri bildirim sürecinde bilgi eksikliği nedeniyle bazı sorunların ortaya çıkabileceği unutulmamalıdır.</i> )				
Lütfen şikayet/öneri/görüşünüz ile ilgili olarak sizinle nasıl iletişim kurulmasını istediğinizi işaretleyin		E-posta ( <i>lütfen e-posta adresinizi belirtiniz</i> ) _____@_____		
		Telefon ( <i>lütfen sizinle iletişim kurulmasını istediğiniz telefon numaranızı belirtiniz</i> ) ( ) _____		
		Posta ( <i>lütfen sizinle iletişim kurulmasını istediğiniz posta adresinizi belirtiniz</i> ) _____		
<b>İl/İlçe/Mahalle</b>				
<b>Tarih</b>				
<b>Şikâyet Kategorisi</b>				
1. Projeden etkilenen varlıklar / mülkler hakkında				
2. Altyapıda oluşan kesintiler (elektrik, su, internet, doğal gaz kesintisi)				
3. Gelir kaynaklarının azalması veya tamamen kaybedilmesi üzerine (Kantin vs.)				
4. İstihdam kaynaklı (Yüklenici çalışanı)				
5. Çevre ile ilgili konularda (Çöp, toz, yağlı zemin, vs.)				
6. Sağlık ve Güvenlik tehlikesi (Güvensiz inşaat faaliyeti)				

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7. Trafik, ulaşım ve diğer riskler hakkında	
8. Diğer (Lütfen belirtin):	
<b>Şikâyetin Tanımı (Ne oldu? Ne zaman oldu? Nerede oldu? Sorunun sonucu nedir?)</b>	
<b>Sorunun çözülmesi konusunda ne tür aksiyonlar alınmasını bekliyor/öneriyorsunuz?</b>	
<b>İsim:</b>	<b>İletişim Bilgisi:</b>
<b>İmza:</b>	<b>Tarih:</b>

*Figure 8 Suggestion & Grievance Form*

## **ANNEX V Grievance Closure Form**

The grievance closure form is provided below.

Grievance Closure No		
Description of Required Immediate Action:		
Description of Long-Term Action (if necessary):		
Is Compensation Required?	<input type="checkbox"/> YES <input type="checkbox"/> NO	
<b>Control of Corrective Action and Decision</b>		
Corrective Action Stage	Deadline and Responsible Institution	
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

*Figure 9 Grievance Closure Form*

## **COMPENSATION AND FINAL STAGES**

This section shall be completed and signed by the complainant after receiving the compensation payment and resolution of the grievance.

Notes:

Date:

Complainant:

Representative of the Responsible Institution/Company

[Title-Name-Surname-Signature]

## ANNEX VI Stakeholder Engagement Meeting Content & Records

Project Code: WB/CS-DESSUP-05







Meeting Venue: Tunceli Provincial Special Administration Meeting Hall

Date: 05.09.2025

Start | End Time: 10:00 | 11:30











A total of 92 people attended the Stakeholder Engagement Meeting held on 05.09.2025, 87 in person (34 women and 53 men) and 5 online (2 women and 3 men). In the tables below, the meeting minutes summarizing the issues addressed in the meeting presentations, the questions/comments raised by the participants and the answers given, the photographs of the meeting, the participants at the PIU and consultant level, and a list of the slides used in the presentation are provided.










ANNEX IV / Table 1. Stakeholder Engagement Meeting Minutes











Start Time	End Time	Content
10.00	11.30	<b>Opening Speech and Project Introduction</b>
		<b>PRESENTATION I</b> <b>General Information on the SREEPB Project and Sub-Projects was given – Objectives were Explained</b> <b>Information on the financing, duration and consulting firm of the project was given.</b> <b>A brief introduction was given about the tasks to be performed within the scope of the project.</b>
		<div><div><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div><div><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div><div><p>KADEV KATILIMCI AKTÖRLERİN KATILIMLI KALKINIM VE ENERJİ VERİMLİLİĞİ</p></div></div> <div><p><b>Kamu Binalarında Deprem Dayanımı ve Enerji Verimliliği Projesi (KADEV)</b> <b>Tunceli Hükümet Konağı Binası</b> <b>PAYDAŞ KATILIM TOPLANTISI</b></p><p><b>05.09.2025</b></p><div><p>timA Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p><p>OBS DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div></div>





	<div><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI</b> YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</div> <div><b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</div> <div><b>KADEV</b> KATILIMCI AKTİF DEĞERLENDİRME VE YATIRIM MENKUL DEĞERLER A.Ş.</div>																										
	<p style="text-align: center;"><b>Proje Kapsamındaki Binalar</b></p> <table><tr><th>Kampüs</th><th>Bina No</th><th>Bina Adı</th><th>Blok Sayısı</th></tr><tr><td rowspan="7">İstanbul Üniversitesi Cerrahpaşa Rektörlüğü Büyüçekmece Kampüsü Binaları</td><td>1</td><td>Cerrahpaşa E Blok TBMYO</td><td>2</td></tr><tr><td>2</td><td>Cerrahpaşa A Blok Adli Tıp Enst. ve Veteriner Fak.</td><td>3</td></tr><tr><td>3</td><td>Cerrahpaşa B Blok HAYEF ve TBMYO</td><td>3</td></tr><tr><td>4</td><td>Cerrahpaşa F Blok HAYEF</td><td>2</td></tr><tr><td>5</td><td>Cerrahpaşa D Blok TBMYO Ek Bina</td><td>1</td></tr><tr><td>6</td><td>Cerrahpaşa R Blok Laboratuvar ve Sağlık Bil.</td><td>3</td></tr><tr><td>7</td><td>Cerrahpaşa H Blok Yabancı Diller Yüksekokulu</td><td>3</td></tr></table> <div><b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</div> <div><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</div>	Kampüs	Bina No	Bina Adı	Blok Sayısı	İstanbul Üniversitesi Cerrahpaşa Rektörlüğü Büyüçekmece Kampüsü Binaları	1	Cerrahpaşa E Blok TBMYO	2	2	Cerrahpaşa A Blok Adli Tıp Enst. ve Veteriner Fak.	3	3	Cerrahpaşa B Blok HAYEF ve TBMYO	3	4	Cerrahpaşa F Blok HAYEF	2	5	Cerrahpaşa D Blok TBMYO Ek Bina	1	6	Cerrahpaşa R Blok Laboratuvar ve Sağlık Bil.	3	7	Cerrahpaşa H Blok Yabancı Diller Yüksekokulu	3
Kampüs	Bina No	Bina Adı	Blok Sayısı																								
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	3	Cerrahpaşa B Blok HAYEF ve TBMYO	3																								
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	5	Cerrahpaşa D Blok TBMYO Ek Bina	1																								
	6	Cerrahpaşa R Blok Laboratuvar ve Sağlık Bil.	3																								
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	<p style="text-align: center;"><b>Proje Süresi</b></p> <p>Proje 2 fazdan oluşmaktadır.</p> <p>•<b>Faz-1:</b> Yapısal Değerlendirme, Enerji Etüdü, Yapısal-Enerji Güçlendirme Tasarımı, Çevresel, Sosyal ve İSG Danışmanlık Hizmetleri (6 Ay)</p> <p>•<b>Faz-2:</b> İnşaat Kontrollüğü Danışmanlık Hizmetleri (10 ay inşaat süreci ve 12 ay kusur sorumluluk süreci içermektedir.)</p> <div><b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</div> <div><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</div>																										

		<div style="text-align: center;"><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</b></div> <div style="text-align: center;"><b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</div> <div style="text-align: center;"><b>KADEV</b> KATILIMCI AKTİF YATIRIM KURUMU GENEL MÜDÜRLÜĞÜ</div> <p style="text-align: center;"><b>KADEV PROJESİ FAZ-1 &amp; FAZ-2 KAPSAMINDAKİ İŞLER</b></p> <p><b>FAZ-1</b></p> <ul style="list-style-type: none"><li>• Saha Rölöve Çalışması(Statik-Mimari-Mekanik-Elektrik)</li><li>• Rölöve Projeleri</li><li>• Saha Ölçümlerinin Alınması</li><li>• Enerji Etüt Raporu</li><li>• Yapısal Performans Değerlendirme Raporu</li><li>• Çevresel ve Sosyal Yönetim Planı</li><li>• İş Sağlığı ve Güvenliği Planı</li><li>• Sosyal Raporlar</li><li>• Detaylı Tadilat ve Yenileme Tasarımları ,Teknik Şartname ve Yaklaşık Maliyet</li><li>• Ölçme ve Doğrulama Planı Hazırlanması</li><li>• Devreye Alma Planı Hazırlanması</li></ul> <p><b>FAZ-2</b></p> <ul style="list-style-type: none"><li>• İnşaat Yapım İşleri, İnşaat Kontrollüğü</li></ul> <hr/> <div style="text-align: right;"><b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</div> <div style="text-align: right;"><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</div>
		<div style="text-align: center;"><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</b></div> <div style="text-align: center;"><b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</div> <div style="text-align: center;"><b>KADEV</b> KATILIMCI AKTİF YATIRIM KURUMU GENEL MÜDÜRLÜĞÜ</div> <p style="text-align: center;"><b>Faz-1 Aşamasında Yapılacak İşler</b></p> <p>Proje Faz-1 Aşamasında <b>Deprem Dayanımı ve Enerji Verimliliği</b> konu başlıklarında ayrı iki çalışma yapılmaktadır.</p> <p><b>Deprem Dayanımı:</b></p> <ul style="list-style-type: none"><li>•Binaların yapısal inceleme ve değerlendirmelerinin yapılması</li><li>•Güçlendirme tasarımlarının yapılması</li></ul> <p><b>Enerji Verimliliği:</b></p> <ul style="list-style-type: none"><li>•Bina kabuğu ısı yalıtımı,</li><li>•Yüksek Verimli Pompa Kullanımı,</li><li>•Yüksek Verimli Motor Kullanımı ve Hız Sürücü Kullanımı</li><li>•Mevcut Kazanların Ekonomizörlü Kazanlar ile Değişimi</li><li>•Mevcut Mekanik Tesisatın Vana Çeketi ile Yalıtılması</li><li>•Split Klimaların Toplanarak VRF Ünitelerine Dönüştürülmesi</li><li>•Mevcut verimsiz armatürlerin Verimli LED Armatür ile Değişimi</li><li>•104 kWp Kurulu Güce Sahip Bina çatı alanına Güneş Enerji Sistemi Kurulumu</li><li>•Enerji İzleme ve Otomasyon Sistemi Kurulumu</li></ul> <hr/> <div style="text-align: right;"><b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</div> <div style="text-align: right;"><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</div>

		<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <p><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</b></p> </div>   </div> <p style="text-align: center;"><b>Faz-1 Aşamasında Yapılacak İşler</b></p> <p>Proje Faz-1 Aşamasında <b>Deprem Dayanımı ve Enerji Verimliliği</b> konu başlıklarında ayrı iki çalışma yapılmaktadır.</p> <p><b>Deprem Dayanımı:</b></p> <ul style="list-style-type: none"> <li>• Binaların yapısal inceleme ve değerlendirmelerinin yapılması</li> <li>• Güçlendirme tasarımlarının yapılması</li> </ul> <p><b>Enerji Verimliliği:</b></p> <ul style="list-style-type: none"> <li>• Bina kabuğu ısı yalıtımı,</li> <li>• Yüksek Verimli Pompa Kullanımı,</li> <li>• Yüksek Verimli Motor Kullanımı ve Hız Sürücü Kullanımı</li> <li>• Mevcut Kazanların Duvar Tipi Yoğuşmalı Kazanlar ile Değişimi</li> <li>• Mevcut Mekanik Tesisatın Vana Ceketli ile Yalıtılması</li> <li>• Mevcut verimsiz armatürlerin Verimli LED Armatür ile Değişimi</li> <li>• 424 kWp Kurulu Güce Sahip Otopark alanına Güneş Enerji Sistemi Kurulumu</li> <li>• Enerji İzleme ve Otomasyon Sistemi Kurulumu</li> </ul> <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 20px;">   </div>
10.15	10.30	Providing information about Earthquake Resistance
		Information was given about the earthquake reinforcement project and construction methods.
		<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <p><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</b></p> </div>   </div> <p style="text-align: center; font-size: 24px; font-weight: bold; margin-top: 40px;">Deprem Dayanımı</p> <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 20px;">   </div>

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## YAPISAL TAŞIYICI SİSTEM BELİRLENMESİ (RÖLÖVE)

tima  
Mühendislik Müşavirlik Proje ve  
Yönetim Hizmetleri A.Ş.

Mühendislik Müşavirlik Proje ve  
Yönetim Hizmetleri A.Ş.

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## MALZEME KARAKTERİSTİK ÖZELLİKLERİNİN BELİRLENMESİ ÇALIŞMALARI

SIRA NO	KAROT NO	KAT	ELEMAN YERİ	YAPI ELEMANI	Numune Ebatları (p-L) (mm)	BASINÇ DAYANIMI (N/mm <sup>2</sup> )	Numune Tipi	KİP BASINÇ DAYANIMI (N/mm <sup>2</sup> )
1	VB-K01	BODRUM	AF/3	KOLON	82x67	15,1	Kıp Numune	15,1
2	VB-K02	BODRUM	AF/2	KOLON	82x85	10,7	Kıp Numune	10,7
3	VB-K03	BODRUM	AB/2	KOLON	82x80	9,4	Kıp Numune	9,4
4	VB-K04	ZEMİN	AN/2	KOLON	82x85	10,1	Kıp Numune	10,1
5	VB-K05	ZEMİN	AF/3	KOLON	82x86	16,4	Kıp Numune	16,4
6	VB-K06	ZEMİN	AF/2	KOLON	82x86	9,8	Kıp Numune	9,8
7	VB-K07	1.KAT	AB/3	KOLON	82x86	10,6	Kıp Numune	10,6
8	VB-K08	1.KAT	AB/2	KOLON	82x84	14,7	Kıp Numune	14,7
9	VB-K09	1.KAT	AF/2	KOLON	82x84	10,4	Kıp Numune	10,4
10								
11								
12								
13								
14								
15								
16								
17								
18								
ORTALAMA BASINÇ DAYANIMI (N/mm <sup>2</sup> )								11,9
STANDART SAPMA								2,7
$f_{0,95,kıp} = f_m(t_1)/s$								9,2
$f_{0,95,kıp} \cdot 0,85$								10,1
$f_{0,95,kıp} (TBDY18)$								10,1
YAPI GENEL BETON SINIFI (SİLİNDİR) (N/mm <sup>2</sup> )								C8

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### MALZEME KARAKTERİSTİK ÖZELLİKLERİNİN BELİRLENMESİ ÇALIŞMALARI

SR-01	67	Çapı	Tipi	Etriye Aralığı	Kanca
BODRUM KAT	65	Donatı	20,3	DÜZ	
AB/3 Aksları		Etriye	8,5	DÜZ	
Kolonu				Sıklaştırma	Korozyon
				80 / 5 : 16	YOK



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### ZEMİN KARAKTERİSTİK ÖZELLİKLERİNİN BELİRLENMESİ ÇALIŞMALARI



Şekil 3.1: Serimlere Ait Vaziyet Planı

Tablo 3.7 : Yerel Zemin Sınıfları (TBDY-2018)

Yerel Zemin Sınıfı	Zemin Cinsi	Üst 30 metrede ortalama		
		V <sub>50</sub> (m/s)	(N <sub>60</sub> ) <sub>s</sub> (darbe/30cm)	C <sub>u</sub> (kPa)
ZA	Sağlam, sert kayalar	>1500	-	-
ZB	Az ayrışmış, orta sağlam kayalar	760-1500	-	-
ZC	Çok sıkı kum, çakıl ve sert kil tabakaları veya ayrışmış, çok çatlaklı zayıf kayalar	360-760	>50	>250
ZD	Orta sıkı-sıkı kum, çakıl veya çok katı kil tabakaları	180-360	15-50	70-250
ZE	Geyrek kum, çakıl veya yunusuk-katı kil tabakaları veya PI<20 ve W<40 koşullarına saglayan topraklı 3 metreden daha kalın yunusuk kil tabakası (C <sub>u</sub> >25kPa) içeren profiller	<180	<15	<70
ZF	Sahaya özel araştırma ve değerlendirme gerektiren zeminler: 1) Deprem etkisi altında çökme ve potansiyel pıçırma riskine sahip zeminler (ayrışabilir zeminler, yüksek derecede lıassaki kiler, gıcırblı zay (f çimentolu zeminler vb.), 2) Toplam kalınlığı 3 metreden fazla tırtla ve/veya organik içeriği yüksek kiler, 3) Toplam kalınlığı 8 metreden fazla olan yüksek plastisiteli (PI>50) kiler, 4) Çok kalın (>35m) yunusuk veya orta katı kiler			







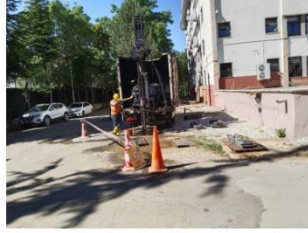
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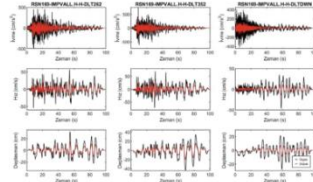
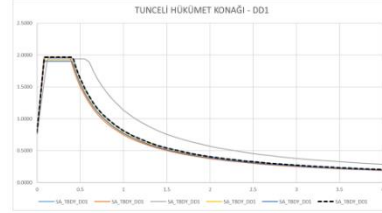
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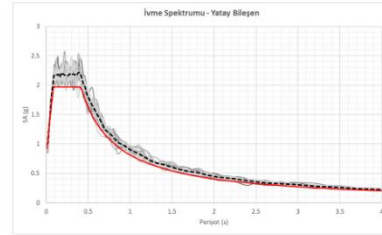
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### DEPREMSELLİK



Şekil E. 2-12. Kayın-1 için ivme, hız ve deplasman zaman serileri (2475 yıl).



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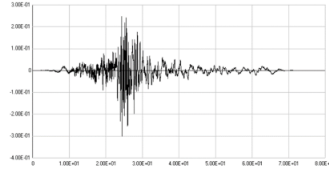
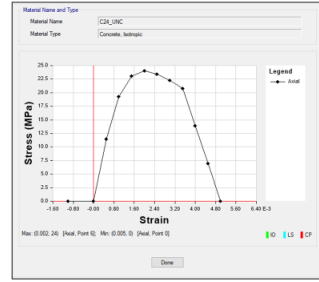
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ANALİZİ VE DEĞERLENDİRİLMESİ

### ANALİZ YÖNTEMİ

- TBDY-2018
- ETABS: Computers & Structures Inc. Uluslararası Literatürde kabul görmüş güvenilir analiz programı
- Malzeme ve Yapısal Elemanların Doğrusal Olmayan Davranışlarının Tanımlanması
- DD-1 ve DD-3 Deprem Düzeyi için tanımlanan (2 x 11 = 22 Deprem Kaydı)
- Zaman Tanım Alanında Doğrusal Olmayan Analiz
- Güncel deprem yönetmeliklerine uygun olarak, ileri hesap yöntemleri (doğrusal olmayan analiz) ile yapının deprem etkisi altındaki davranışı incelenir. Kullanılan yöntem, **en güncel, en gerçekçi ve detaylı değerlendirme** yöntemidir.



KESİT		MALZEME		GÜNCEL DEĞERLENDİRME KAPASİTESİ									
Kolun Tipi	Kolun Durum	f <sub>yk</sub>	f <sub>yk</sub>	f <sub>yk</sub>	b [m]	h [m]	f <sub>cdp</sub>	f <sub>cdp</sub>	f <sub>cdp</sub>	f <sub>cdp</sub>	f <sub>cdp</sub>	f <sub>cdp</sub>	f <sub>cdp</sub>
CDYB	Minorsu	25	420	420	0.35	0.8	0.0058	0.0048	0.0025	0.0020	0.0020	0.0020	0.0020
CDYD	Minorsu	25	420	420	0.5	1	0.0091	0.0047	0.0025	0.0020	0.0020	0.0020	0.0020
CDYB	Minorsu	25	420	420	0.8	0.8	0.0095	0.0049	0.0025	0.0020	0.0020	0.0020	0.0020
CDYB	Minorsu	25	420	420	0.8	0.8	0.0094	0.0048	0.0025	0.0020	0.0020	0.0020	0.0020
CDYB	Minorsu	25	420	420	0.8	0.8	0.0094	0.0048	0.0025	0.0020	0.0020	0.0020	0.0020
CDYB	Minorsu	25	420	420	0.8	0.8	0.0094	0.0048	0.0025	0.0020	0.0020	0.0020	0.0020
CDYB	Minorsu	25	420	420	0.8	0.8	0.0094	0.0048	0.0025	0.0020	0.0020	0.0020	0.0020
CDYB	Minorsu	25	420	420	0.8	0.8	0.0094	0.0048	0.0025	0.0020	0.0020	0.0020	0.0020

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### PERFORMANS HEDEFİ

#### Hangi Deprem Düzeyi?

Depremler, olma olasılıklarına bağlı olarak çeşitli düzeylerde tanımlanmıştır.

**Küçük depremlerin olma olasılığı yüksektir, dolayısıyla sık gerçekleşir.**

**Büyük depremlerin olma olasılığı düşüktür, dolayısıyla nadir gerçekleşir.**

#### Nasıl Bir Yapısal Performans?

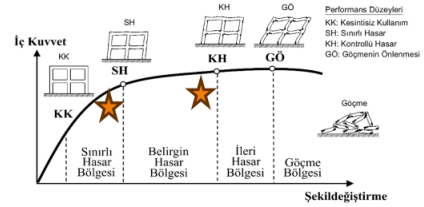
**Sık Depremler (Sınırlı Hasar SH):**

Kullanım devam etsin, hasar yok, ihmal edilebilir veya az/sınırlı hasar.

**Çok Nadir Depremler (Kontrollü Hasar):**




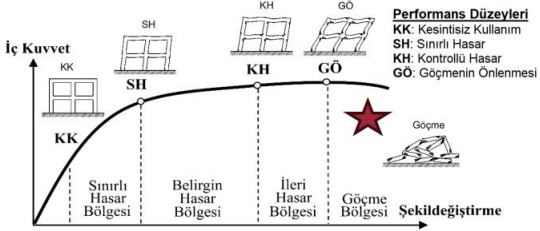





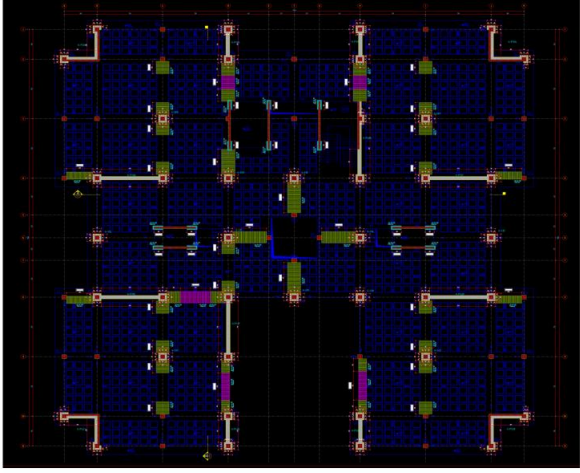


Ağır olmayan onarılabilen hasarlar,

Deprem Düzeyi	Olasılık	Dönüş Periyodu	Performans Hedefi
DD-4	%68 / 50 yıl	43 yıl	-
DD-3	%50 / 50 yıl	72 yıl	Sınırlı Hasar
DD-2	%10 / 50 yıl	475 yıl	-
DD-1	%2 / 50 yıl	2475 yıl	Kontrollü Hasar



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ŞİŞİ 2010 HİT

	<div><div><div>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</div></div><div><div>THE WORLD BANK IBRD - IDA   WORLD BANK GROUP</div></div><div><div>KADEV KATILIMCI AKTİF YATIRIM MENKUL DEĞERLER A.Ş.</div></div></div> <div><b>YAPILARIN GENEL MEVCUT DEPREM PERFORMANSI DURUMU</b></div> <p>Göz önüne alınan deprem yer hareketi olan <b>DD-1</b> [Deprem Yer Hareketi Düzeyi-1] : 50 yılda %2 için Yapı Performans Düzeyi <b>DD1: GÖÇME</b></p>  <p><b>Performans Düzeyleri</b> KK: Kesintisiz Kullanım SH: Sınırlı Hasar KH: Kontrollü Hasar GÖ: Göçmenin Onlanması</p> <p><b>Göçme</b> Göçme Bölgesi</p> <p><b>Şekildeğiştirme</b></p> <div><div><div>Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</div></div><div><div>DEPREM MÜHENDİSLİĞİ Ş. Z. O. M. L. E. N.</div></div></div>
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T.C. ÇEVRE, ŞEHİRCİLİK VE  
İKLİM DEĞİŞİKLİĞİ BAKANLIĞI  
YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ



THE WORLD BANK  
IBRD - IDA | WORLD BANK GROUP



### YAPILACAK OLAN GÜÇLENDİRME İLE YAPILARIN DEPREM PERFORMANSI



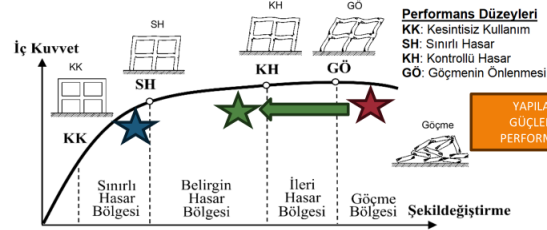
DD-1 DEPREM DÜZEYİ MEVCUT DURUM DEPREM PERFORMANSI



DD-1 DEPREM DÜZEYİ GÜÇLENDİRİLMİŞ DURUM DEPREM PERFORMANSI



DD-3 DEPREM DÜZEYİ GÜÇLENDİRİLMİŞ DURUM DEPREM PERFORMANSI



timA  
Mühendislik Müşavirlik Proje ve  
Yönetim Hizmetleri A.Ş.

OBS  
DEPREM MÜHENDİSLİĞİ  
ŞİŞLİ M. H. E. H.

### YIKIM SÖKÜM İŞLERİ



Görseller yürütülecek çalışmalara örnek olması amaçlı paylaşılmaktadır.












		<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI</b> YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p> </div> <div style="text-align: center;">  <p><b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</p> </div> <div style="text-align: center;">  <p><b>KADEV</b> KATILIMCI AKTİF DEĞERLER KURUMU A.Ş.</p> </div> </div> <p align="center"><b>TEMEL SİSTEMİNİN TESPİTİ</b></p> <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  <p><b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p> </div> <div style="text-align: center;">  <p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ŞİŞLİ M.İ.Ş.İ.</p> </div> </div>
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**Structural Assessment, Energy Audit, Structural-Energy Retrofit Design and Construction Supervision  
Consultancy Services for the Tunceli Government Buildings  
(WB/CS-DESSUP-05)**

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10.30	10.45	Providing information about Energy Efficiency
		Information was given about energy efficiency studies and processes.
		<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</b></p> </div> <div style="text-align: center;">  <p><b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</p> </div> <div style="text-align: center;">  <p><b>KADEV</b> Konya Akademi</p> </div> </div> <div style="text-align: center; margin-top: 40px;"> <h2>Enerji Verimliliği</h2> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 40px;"> <div style="text-align: center;">  <p>Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p> </div> <div style="text-align: center;">  <p><b>OBS</b> ÖZEL BİNA SİSTEMLERİ ÇÖZÜMLERİ</p> </div> </div>


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		<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p> </div> <div style="text-align: center;">  <p>THE WORLD BANK IBRD - IDA   WORLD BANK GROUP</p> </div> <div style="text-align: center;">  <p>KADEV KATILIMCI AKTİF YATIRIM MENKUL DEĞERLER A.Ş.</p> </div> </div> <p align="center"><b>Verimsiz Aydınlatma Armatürlerinin LED Aydınlatma Armatürleri İle Değiştirilmesi</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p><b>ÖNCESİ</b></p>  <p>24 Jan 2024 at 13:29:43</p> </div> <div style="text-align: center;"> <p><b>SONRASI</b></p>  <p>24 Jan 2024 at 13:41:02</p> </div> </div> <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 20px;"> <div style="text-align: center;">  <p>Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p> </div> <div style="text-align: center;">  <p>DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p> </div> </div>
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10.45	10.55	Providing information about Environmental and Social Management
		Information was provided on environmental and social management issues to be taken into consideration during manufacturing

		<div><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div><p>KADEV KATILIMCI AKTİF YATIRIM MENKUL DEĞERLER A.Ş.</p></div> <div><h2>Çevresel ve Sosyal Yönetim Planı (ÇSYP)</h2></div> <div><p>Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div><p>DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
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		<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <p><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI</b> YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p> </div>   </div> <p align="center"><b>Gürültü Yönetimi ve Hava Kalitesinin Kontrolü</b></p> <p>İnşaat faaliyetleri sırasında özellikle yıkım aşamasında oluşacak toz ve gürültünün izin verilen sınırlar içinde kalabilmesini sağlamak amacıyla yüklenici, akredite laboratuvar aracılığıyla toz ve gürültü ölçümleri gerçekleştirecektir. Gürültünün limitleri aşması durumunda ilave tedbirler alınacak ve tüm bu çalışmalar müşavir kontrolünde yürütülecektir.</p> <p>Yüklenici; ÇSYP'yi destekleyici alt yönetim planları (Atık Yönetim Planı, Kirliliği Önleme Planı, Toplum Sağlığı ve Güvenliği Planı v.b) hazırlayacak, planlar müşavir tarafından incelenecek ve PUB tarafından onaylanacaktır.</p> <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 20px;">   </div>
		<div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <p><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI</b> YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p> </div>   </div> <p align="center"><b>Eğitimler</b></p> <p>Proje kapsamında personele verilecek eğitimler sonucunda, yüklenici firmanın kapasitesinin gelişmesi beklenmektedir . Bu eğitimler şunları kapsayacaktır</p> <ul style="list-style-type: none"> <li>•Çevresel ve Sosyal Etkiler</li> <li>•Atık Yönetimi</li> <li>•Kaynakların Verimli Kullanımı</li> <li>•Çevresel Acil Durumlara Tepki</li> <li>•Enerji Verimliliği</li> <li>•Paydaş Katılım/Bilgilendirme Faaliyetleri</li> <li>•Şikayet Mekanizması (ŞM)</li> <li>•Cinsiyet Eşitliği / Cinsiyet Temelli Şiddet/Cinsel Sömürü/Cinsel Saldırı/Cinsel Taciz</li> <li>•Davranış Kuralları</li> <li>•Tarihi Mirasın Korunması</li> <li>•Görev alacak personellerin tamamının kitleleme/etiketleme(EKED) eğitimi</li> <li>•İş izin sistemi eğitimleri(Yüksekte Çalışma, Kapalı alanda Çalışma, Gece Çalışmaları vb).</li> </ul> <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 20px;">   </div>
10.55	11.05	<p><b>Providing information about Social Management</b></p> <p>The scope of the stakeholders within the scope of the project was explained The functioning of the complaint mechanism was explained. Information was given about complaint channels. The contents of the trainings to be given to the employees were explained The subjects that the project focused on and the functioning of the mechanism were explained in terms of sexual violence and sexual harassment and exploitation.</p>



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## Sosyal Yönetim

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T.C. ÇEVRE, ŞEHİRCİLİK VE  
İKLİM DEĞİŞİKLİĞİ BAKANLIĞI

KABEV

### Sosyal Yönetim / Paydaş Katılımı

- Paydaş katılımı, bir projenin ya da sürecin çeşitli aşamalarında, o projeden doğrudan veya dolaylı olarak etkilenen tüm kişi, grup ve kurumların görüşlerini, endişelerini, önerilerini ve geri bildirimlerini dikkate alarak karar alma süreçlerine dahil edilmesini ifade eder.
- Bu süreç, projeyle ilgili tüm taraflar arasında açık ve etkili bir iletişim kurulmasını sağlayarak, daha kapsayıcı, şeffaf ve sürdürülebilir sonuçlar elde etmeyi amaçlar.



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#### Sosyal Yönetim / Öneri ve Şikayet Mekanizması

- Öneri Şikayet Mekanizması, tüm paydaşların, projenin planlanması, inşası veya uygulanmasıyla ilgili tüm şikâyet veya önerilerini iletebilecekleri bir süreçtir. KADEV Projesi'ne özel olarak şeffaf ve kapsamlı bir ŞM geliştirilmiştir.
- Beklentilerinizi, görüşlerinizi, önerilerinizi ve şikayetlerinizi aşağıdaki kanalları vasıtası ile iletebilirsiniz;

Proje İnternet Sitesi <https://kamuguclendirme.csb.gov.tr/>

Şikayet ve Öneri Formu <https://kadevoneri.csb.gov.tr/oneri.jsp>

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#### Sosyal Yönetim / Öneri ve Şikayet Mekanizması

Şikayet kutusu Tunceli Hükümet Konağı için 'Personel ve Ziyaretçi Giriş Noktası' konumunda bulunmaktadır.



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**Structural Assessment, Energy Audit, Structural-Energy Retrofit Design and Construction Supervision  
Consultancy Services for the Tunceli Government Buildings  
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**Sosyal Yönetim / Öneri ve Şikayet Mekanizması**

- KADEV Projesi kapsamında yürütülecek faaliyetler sebebiyle ortaya çıkabilecek her türlü şikayet, görüş ya da önerinin toplanması için proje uygulama alanında hem yüklenici hem de müşavir tarafından iki sosyal uzman tam zamanlı olarak bulunacaktır.
- Paydaşlar, sözlü şikayetlerini proje faaliyet alanındaki şantiye şefi, sosyal uzmanlar ve proje müdürlerine iletebilirler.
- Projede çalışan işçilerin yerel halkla iletişime geçmesi yasaktır. Dolayısıyla sözlü şikayetlerinizi alamazlar.



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T.C. ÇEVRE, ŞEHİRCİLİK VE  
İKLİM DEĞİŞİKLİĞİ BAKANLIĞI  
YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ



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**Sosyal Yönetim / Öneri ve Şikayet Mekanizması**

ŞİKAYET VE ÖNERİ FORMU*	
Referans No	
Tam Adı (İsim ve iletişim bilgilerinde paylaşılmaması zorunlu olmamalıdır. İletişim, şikayet/görüşmeleriniz ile ilgili geri bildirim sürecinde bilgi akışınızı nedeniyle bazı sorulara yanıt vermeniz gerekebilir.)	
Lütfen şikayet/öneri/şikayetiniz ile ilgili olarak sizde nasıl iletişim kurulmasını istediğinizi iletiniz	E-posta (İletişim e-posta adresinizi belirtiniz) _____ Telefon (İletişim sürecinde iletişim kurulmasını istediğiniz telefon numaranızı belirtiniz) (_____) _____ Posta (İletişim sürecinde iletişim kurulmasını istediğiniz posta adresinizi belirtiniz) _____
İlçe/Mahalle	
Tarih	
Şikayet Kategorisi	
1. Proje alan etkilenecek varlıklar / mülkler hakkında	











2. Altyapı ile ilgili konular (elektrik, su, internet, doğal gaz konuları)	
3. Gelir kaynaklarının azalması veya tamamen kaybolması üzerine (Kentin vs.)	
4. İstihdam kaybı (Yüklenici çalışan)	
5. Çevre ile ilgili konularda (Çöp, ses, yığılma alanı, vs.)	
6. Sağlık ve Güvenlik tehdidi (Görünmez inşaat faaliyeti)	
7. Trafik, ulaşım ve diğer riskler hakkında	
8. Diğer (Lütfen belirtiniz)	
Şikayetin Tanımı (Ne oldu? Ne zaman oldu? Nerede oldu? Sorunun sonucu nedir?)	
Sorunun çözülmesi konusunda ne tür aksiyonlar alınmasını bekliyorsunuz?	
İsim:	Berşim Bilgi:

**timA**  
Mühendislik Müşavirlik Proje ve  
Yönetim Hizmetleri A.Ş.

**OBS**  
DEPREM MÜHENDİSLİĞİ  
ÇÖZÜMLERİ

		<div><div><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI</b> YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</div><div><b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</div><div><b>KADEV</b> KAMU BİNALARINDA DEPREM DAYANIMI VE ENERJİ VERİMLİLİĞİ PROJESİ (KADEV)</div></div> <h3>Sosyal Yönetim / Öneri ve Şikayet Mekanizması</h3> <ul style="list-style-type: none"><li>Cinsiyet temelli şiddet ve cinsel sömürü ve taciz konularındaki şikâyetler için gizlilik bakımından aşağıda verilen ve anonim şikâyetlere izin veren web tabanlı şikâyet sisteminin kullanılması önerilmektedir.</li><li>Gizliliğin sağlanabilmesi adına, söz konusu web tabanlı şikâyet sistemine yetkilendirilmiş bir personelin giriş yetkisi olacaktır.</li><li>Prosedürler, gereksiz idari aşamalardan kaçınarak olabildiğince basit tutulacaktır. Aynı zamanda adil, şeffaf ve ilgili kişiler için bilgilendirici olacaktır.</li><li>Yanıtların verilmesi ve belirtilen sorunların çözülmesi için belirli bir zaman çerçevesi takip edilecektir; şikâyet çözümü için belirlenen süre maksimum 30 gündür.</li></ul> <div></div> <div><div><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</div><div><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</div></div> <div><div><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI</b> YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</div><div><b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</div><div><b>KADEV</b> KAMU BİNALARINDA DEPREM DAYANIMI VE ENERJİ VERİMLİLİĞİ PROJESİ (KADEV)</div></div> <h3>Sosyal Yönetim / Öneri ve Şikayet Mekanizması</h3> <div><pre>graph LR; A[Şikayetlerin alınması] --&gt; B[Şikayetin kayda alınması]; B --&gt; C[Şikayetin değerlendirilmesi]; C --&gt; D[Çözümleme]; D --&gt; E[Geribildirim];</pre><ul style="list-style-type: none"><li><b>Şikayetlerin alınması</b><ul style="list-style-type: none"><li>Paydaşlar çeşitli kanallardan şikayetlerini iletirler.</li></ul></li><li><b>Şikayetin kayda alınması</b><ul style="list-style-type: none"><li>Şikayetler belirli kategoriler altında kayda alınır.</li></ul></li><li><b>Şikayetin değerlendirilmesi</b><ul style="list-style-type: none"><li>Konuyla ilgili uzmanlar şikayeti değerlendirir.</li></ul></li><li><b>Çözümleme</b><ul style="list-style-type: none"><li>Şikayetin çözümü için gerekli aksiyonlar alınır.</li></ul></li><li><b>Geribildirim</b><ul style="list-style-type: none"><li>Şikayet sahibine çözüm ve mevcut durum hakkında bilgi verilir.</li></ul></li></ul></div> <div><div><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</div><div><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</div></div>

		<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</b></p> </div> <div style="text-align: center;">  <p><b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</p> </div> <div style="text-align: center;">  <p><b>KADEV</b> KAMU BİNALARINDA DEPREM DAYANIMI VE ENERJİ VERİMLİLİĞİ</p> </div> </div> <p align="center"><b>Sosyal Yönetim / Anketler</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Yapım süreci öncesi, sırası ve sonrasında yapılacak anket çalışmaları projenin toplumsal etkilerinin izlenebilmesi için önemlidir. Toplamda yapılacak üç anket şu şekildedir:</p> <ul style="list-style-type: none"> <li>•Tunceli Hükümet Konağı işi güçlendirme öncesi farkındalık anketi Eylül ayı itibarıyla kapanmıştır.</li> <li>•Paydaş katılım toplantıları sırasında yapılacak memnuniyet anketi</li> <li>•Tunceli Hükümet Konağı güçlendirme işi sonrası memnuniyet anketi</li> </ul> </div> <div style="width: 45%;"> <p>Paydaşların anketleri doldurması, projenin toplum üzerindeki etkilerini daha iyi anlayabilmemiz ve gelecekteki çalışmalarımızı bu geri bildirimlere göre şekillendirmemiz açısından büyük önem taşımaktadır.</p> <p><b><i>Katılımınız, projenin başarısını arttırmak ve ihtiyaçlarınızı daha iyi karşılamak adına kritik bir rol oynayacaktır.</i></b></p> </div> </div> <hr/> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</b></p> </div> <div style="text-align: center;">  <p><b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</p> </div> <div style="text-align: center;">  <p><b>KADEV</b> KAMU BİNALARINDA DEPREM DAYANIMI VE ENERJİ VERİMLİLİĞİ</p> </div> </div> <p align="center"><b>Broşür ve Afiş Çalışmaları</b></p> <div style="text-align: center;">  </div> <hr/> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p> </div> <div style="text-align: center;">  <p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p> </div> </div>
11.05	11.15	<p><b>Providing information about Occupational Health and Safety</b></p> <p>The prominent points regarding Occupational Health and Safety issues in the project were explained</p> <p>Information was provided about the traffic plan to be implemented during construction and measures regarding occupational health and safety</p> <p>Information was provided about people who may be affected by risks/hazards on and off the construction site, emergencies and standards to be followed</p> <p>Occupational health and safety organization chart and traffic action plan</p>

		were explained.
		<div><div><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI</b> YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</div><div><b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</div><div><b>KADEV</b> KATILIMCI AKTİF YATIRIM MENKUL DEĞERLER A.Ş.</div></div> <div><p><b>İş Sağlığı ve Güvenliği</b></p><p>FAZ-2, Yapım Kontrolü Danışmanlık Hizmetleri</p><div><div>Şantiye Mobilizasyon ve Hazırlık Çalışmaları</div><div>Yapım Faaliyetleri</div><div>Devreye Alma ve Geçici Kabul</div></div><p>Yüklenici firma; Müşavir tarafından hazırlanan İş Sağlığı Güvenliği Planı doğrultusunda, sorumlu olduğu tüm faaliyetleri kapsayan bir İŞ SAĞLIĞI GÜVENLİĞİ PLANI hazırlayarak Müşavirin onayına sunacak, bu planın uygun görülüp onaylanmasından sonra çalışmalarına başlayacaktır.</p></div> <div><div><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</div><div><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</div></div> <div><div><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI</b> YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</div><div><b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</div><div><b>KADEV</b> KATILIMCI AKTİF YATIRIM MENKUL DEĞERLER A.Ş.</div></div> <p><b>İSG Planı, Ulusal Mevzuata uygun ve Dünya Bankası Standartlarına uyumlu olacak şekilde hazırlanmıştır. İş Sağlığı ve Güvenliği Planı-Temel Kabuller</b></p> <ul style="list-style-type: none"><li>• İnşaat faaliyetlerine başlanmadan önce, gerekli tüm yasal izinler alınacaktır.</li><li>• Yapım Faaliyetlerinden kaynaklanabilecek Tehlikeler/Risklere karşılık alınması gereken Kontrol önlemlerine planda yer verilmiştir.</li><li>• Olabilecek değişikliklere göre, Riskler ve Kontrol Önlemleri gözden geçirilecek gerekli düzenleme ve eklemeler yapılacaktır.</li><li>• Yapım Faaliyetleri süresince, Proje Uygulama Birimi(PUB) ve Müşavir tarafından düzenli saha denetimleri yapılmak suretiyle planın uygulanması sağlanacak, planın etkinliği performans değerlendirme verileri ile ölçülecektir.</li><li>• Plan, sadece Projede çalışanları (şantiye alanını) değil, yapım faaliyetlerinden etkilenebilecek yakın çevredeki diğer paydaşları da (sağlık çalışanları, hastalar, halk, öğrenciler vb.) kapsayacak şekilde hazırlanmıştır.</li><li>• Yararlanıcı Kurum tarafından gerçekleştirilecek, inşaat sahası içindeki binaların yıkımı ve taşınması sırasındaki tehlike ve risklere ilişkin önlemler Yararlanıcı Kurum tarafından alınacaktır.</li></ul> <div><div><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</div><div><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</div></div>



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KATILIMCI AKTİF DEĞERLER  
KURUMU

### İş Sağlığı ve Güvenliği Eğitimleri

**Zorunlu Eğitimler**

- İşe Başlatılan Tüm Çalışanları Kapsar
- İşe Başlatma Eğitimi (2 saat)
- Temel İSG Eğitimi (16 saat)

**Diğer Eğitimler**

- Sadece Belirlenen Personeli kapsar
- İşbaşı Konuşmaları (toolbox)
- Özel Eğitimler (Yüksekçe Çalışma vb.)
- Görevle İlgili Eğitimler
  - Destek Elemanı
  - Çalışan Temsilcisi

**Sertifika zorunluluğu olan Eğitimler**

**Sertifika Eğitimleri**

- Sadece İlgili Personeli kapsar
- Mesleki Yeterlilik Eğitimi
- Temel İlk Yardımcı Eğitimi



Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.

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### İş Sağlığı ve Güvenliği Eğitimleri

**MESLEKİ YETERLİLİK BELGESİ** zorunluluğu olan aşağıdaki mesleklerde çalışacakların, Mesleki Yeterlilik Belgeleri yoksa çalıştırılmazlar.

İNŞAAT	İNŞAAT(devamı)	MEKANİK	ELEKTRİK
Ahşap Kalıpcı	Isı Yalıtımcısı	Çelik Kaynakçısı	Asansör Montajcısı-3 Asansör Montajcısı - 4
Alçı Levha Uygulayıcısı	Su Yalıtımcısı	Endüstriyel Boru Montajcısı	Elektrik Pano Montajcısı - 3 Elektrik Pano Montajcısı - 4, 5
Alçı Sıva Uygulayıcısı	Seramik Karo Kaplamacısı		Elektrik Tesisatçısı - 3 Elektrik Tesisatçısı - 4, 5
Betonarme Demircisi	İskele Kurulum Elemanı		Elektromekanik Montaj İşçisi - 3
Betoncu	İnşaat Boyacısı		Elektromekanik Montaj İşçisi - 4
Duvarcı	İnşaat İşçisi		Otomasyon Sistemleri Montajcısı -4
Kartonpiyer Uygulayıcısı	Sıvacı		Otomasyon Sistemleri Programcısı -5
Panel Kalıpcısı	Tünel Kalıpcı		Elektrik Dağıtım Scada Opr.
PVC Doğrama Montajcısı	Yangın Yalıtımcısı		
Ses Yalıtımcısı			



Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.



DEPREM MÜHENDİSLİĞİ  
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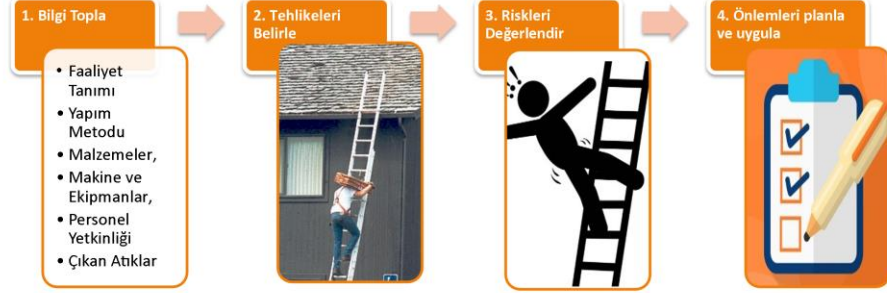


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**Tehlike Tanımlama ve Risk Değerlendirmesi**  
Sahada yürütülecek faaliyetler başlamadan önce Riskler Değerlendirilir, alınması gereken önlemler belirlenir ve uygulanır.

Sahada yürütülecek işler başlamadan önce, işyerinde var olan ya da dışarıdan gelebilecek tehlikelerin belirlenmesi, bu tehlikelerin riske yol açan faktörler ile tehlikelerden kaynaklanan risklerin analiz edilerek kontrol tedbirlerinin kararlaştırılması, önlemlerin alınması ve uygulanmasıdır.



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#### Şantiye Çevresinde Yapım Faaliyetlerinin Neden Olacağı Tehlikeler

Şantiyenin, kampüs alanında olması sebebiyle yürütülen faaliyetlerden kaynaklanan belli başlı tehlikeler, Risk Değerlendirmesinde dikkate alınarak, gerekli önlemler planlanır.

- Toz Emisyonu,
- İş Makineleri Kaynaklı İş Kazaları
- Trafik Kazaları
- Şantiyede Oluşan Tehlikeli Atıklar
- Patlama, Yangın
- Faaliyetleri Sırasında Toz İle Havaya Karışan Mantar Sporları (Aspergillus)

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İKLİM DEĞİŞİKLİĞİ BAKANLIĞI  
YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ



#### Şantiye Çevresinde Yapım Faaliyetlerinin Neden Olacağı Tehlikeler

Sahada yürütülecek faaliyetlerde kullanılacak Makine, Ekipman, Donanım, El Aletleri, Araç ve Gereçler bakımlı, çalışır durumda, hasarsız ve ilgili Standartlara Uygun ve Periyodik Bakımları yapılmış olacaktır.



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#### Şantiye Sahasına Giriş-Çıkışlar, Ziyaretçiler

- Şantiye Sahasına, görevi olmayan üçüncü kişilerin girmesi yasaktır.
- Şantiyeye, Giriş/Çıkışlar, Yüklenici tarafından kontrol altında tutulacaktır.
- Şantiye sahasının, yakın çevresi ile temasının kesilmesi için OSB Trapez panel vb. malzemelerle saha kapatma işlemi yapılacak, uyarı levhaları yerleştirilecektir.

Ziyaretçilerin Uymakla Yükümlü Olduğu Temel Kurallar aşağıdaki gibidir:

- Ziyaretçilerin, Yüklenici firmanın izni olmadan çalışma alanlarına girişleri yasaktır.
- Ziyaretçiler çalışma alanlarında bulundukları sırada karşı karşıya kalabilecekleri riskler ve önlemler hakkında, Acil Durum Planı hakkında bilgilendirildikten sonra şantiye sahasına çıkarılacaklardır.
- Ziyaretçiler, çalışma sahaslarına, Yüklenicinin sorumlu personelinin refakatinde girebilirler.
- Ziyaretçiler, şantiyede bulundukları süre boyunca, Yüklenici İş Güvenliği Uzmanının gerekli gördüğü ve kendilerine temin ettiği Kişisel Koruyucu Donanımları kullanmakla yükümlüdür.





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**KADEV**  
KATILIMCI AKADEMİK DEĞERLER  
KURULUŞU

### İş Sağlığı ve Güvenliği / Trafik Eylem Planı

- Şantiye sahasında hız sınırı 20km/saat
- İş Makineleri geçiş güzergahları ile yaya yolları birbirinden ayrılacaktır.
- Şantiye sahasındaki, acil toplanma alanları, acil çıkış kapıları yeşil renkli tabelalarla işaretlenecektir.
- Şantiye ana giriş kapsına, şantiye planı uyarı levhası görünür bir yere asılacaktır.



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**KABEV**



**tima**  
Mühendislik Müşavirlik Proje ve  
Yönetim Hizmetleri A.Ş.



**OBS**  
DEPREM MÜHENDİSLİĞİ  
— ÇÖZÜMLERİ —









**ANNEX IV / Table 2. Questions and Answers from the Engagement Meeting**

<b>Participant</b>	<b>Question/Comment</b>	<b>Respondent</b>	<b>Answers</b>
<b>Participant 1</b>	What kind of work will be carried out specifically for the building? What kind of result is expected? Are there design visuals showing the completion of the construction process?	C. T.	Since the design work is still ongoing, there is no clear information about the final visual of the building. Certain studies and feasibility assessments have been conducted, but the process is still ongoing.
<b>Participant 2</b>	Why is the planning done for 50 years? That seems very limited to me. Wouldn't it be better to plan the building to last for 200 or even 500 years?	C.T.	According to the Turkish Earthquake Code, buildings must be planned to withstand at least 50 years. This does not mean the building will be demolished in the 51st year. Within budget frameworks, buildings can also be constructed to last 200 or even 1000 years. However, the budget of this project is not suitable for such an undertaking.
<b>Participant 3</b>	The information you provided was related to your activities here. You did not provide us with details about the building's initial and final state. Additionally, could you give information about waste management? How will asbestos and waste be disposed of? Where will the rubble be stored?	F. Ö.	The project scope includes reinforcement and energy efficiency. As far as possible, no changes in layout will be made. However, in some parts, columns will be reinforced and rooms will be divided. Apart from small adjustments, the building will be insulated, mechanical installations will be revised, air conditioners will be replaced (considering visual impact), and lighting fixtures will be renewed.
		T.Y.	Asbestos measurements will be taken before demolition works, and if detected, asbestos will be removed and sent to disposal facilities. The building will not undergo major visual changes. The building will go through structural changes and

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			reinforcement, but visual changes will only occur if necessary.
		I. S.	Rubble will be transported under the Construction and Demolition Waste Regulation. The debris will be transferred to disposal sites designated by the municipality through licensed companies. Measures such as watering during demolition and covering trucks during transportation will be taken to prevent dust emission.
		S. D.M.	All these measures are detailed in the Environmental and Social Management Plan. The Plan has been posted in the Governorship building. It can be accessed from the SREEPB project website or the official website of the Tunceli Governorship.
		G. G.	As mentioned in the presentation, we are currently in Phase 1. In Phase 2, the contractor will be involved. Under the titles of Waste Management Plan and Pollution Prevention Plan, two sub-management plans will be prepared by the contractor. Disposal sites and permits will be detailed in these plans. Temporary storage areas for hazardous and non-hazardous waste will be designated for up to 6 months, as coordinated with the Governorship, with official approvals. This procedure applies to all waste types. Both national legislation and World Bank rules require compliance with international limits. The stricter standard (national or international) will be followed. If measurements exceed limit values, additional measures will be taken.
<b>Participant 4</b>	Reinforcement is not sufficient for ensuring human safety. I just wanted to state this before the tender is even held. I am not satisfied with the expected outcome of reinforcement. I have no question, I only want to share this.	Z. H. T.	Your statement has been recorded. Thank you.
<b>Participant 5</b>	During the reinforcement process, will the Governorship provide shuttle service for staff temporarily relocated to the university campus?	O.Y.	We will do our best not to inconvenience our citizens.
<b>Participant 6</b>	The building's cabling and telephone infrastructure system is very inadequate. Will there be improvements in this regard?	F. Ö.	The project scope only covers earthquake resistance and energy efficiency. For example, lighting fixtures will be replaced with LEDs under energy efficiency, but cabling work is outside the scope. We will redo the fire detection system. However, if damage occurs to installations during construction, all necessary repairs will be carried out by us.

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<b>Participant 7</b>	This building became operational in the early 2000s. The earthquake and fire codes back then are different from today. If the IT infrastructure is not renewed, the works will be incomplete. There should be a separate budget for this. The works carried out in this way will not be sufficient. I believe all installations should be renewed. I have no question.	Z. H.T.	As mentioned in the previous question, it is not possible for us to go beyond the project's budget and scope.
<b>Participant 8</b>	Is the authority that makes the reinforcement decision the same as the company that performs the retrofitting?	S. N.	The assessment of reinforcement needs was conducted by Promer company. After identifying buildings that required reinforcement, a separate tender was held for the reinforcement work. The consultant company carrying out the reinforcement is TİMA.
		T.Y.	The design firm and the construction firm will also be different. The contractor carrying out the construction work will be determined through tender.

ANNEX IV / Table 3. Stakeholder Engagement Meeting Photos

Meeting Photos



ANNEX IV/ Table 4. Stakeholder Engagement Meeting Participant List (Online)

Within the scope of the Law on the Protection of Personal Data Personal (Law No. 6698), participants' clear identity information cannot be shared. However, records of the meeting are kept by the PIU.

**ANNEX IV/ Table 5. Stakeholder Engagement Meeting Participant List (Face to Face)**

Participant List
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Within the scope of the Law on the Protection of Personal Data Personal (Law No. 6698), participants' clear identity information cannot be shared. However, records of the meeting are kept by the PIU.