



**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 Elazığ Fırat University and Tunceli Government Buildings  
(WB/CS-DESSUP-05)**

**ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN**

**NAZİMİYE GOVERNMENT HOUSE**

**APRİL 2026**

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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
U-ÇBS	National Environmental Information System
EIA	Environmental Impact Assessment
EHS	Environment, Health and Safety
ESF	Environmental and Social Management Framework
ESIA	Environmental and 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
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
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 retrofitting 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 the buildings included in this sub-project, referenced as WB/CS-DESSUP-05, are the Nazimiye 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 Nazimiye Government House located at Tunceli Street, Nazimiye District, Tunceli Province. It sets forth the measures to be taken 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 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 retrofitting and energy efficiency-focused activities at Nazimiye Government House located at Tunceli Street, Nazimiye District, 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 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 retrofitting. 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 retrofitting works in the project include building structural system renovations and additions, as well as ground retrofitting 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 Nazimiye Government House, which falls within the scope of the sub-project covered by this ESMP, is located in Nazimiye District of Tunceli Province. The building where the construction activities will be carried out consists of a basement floor, a ground floor, and three (3) standard floors.

The building accommodates various public institutions, including the District Governorate, Special Provincial Administration, Courthouse, Civil Registry Office, Police Department, Gendarmerie, Directorate of Agriculture and Forestry, Directorate of National Education, Provincial Directorate of Youth and Sports, Land Registry Office, District Library, National Property Office, Civil Registry, Enforcement Office, and Property Office.

The building will be vacated by the Beneficiary Institution during the construction activities. Any potential adverse impacts that may arise during the construction phase will be minimized through the implementation of mitigation measures. All necessary measures will be taken to ensure that the impacts on nearby buildings/structures and the surrounding district remain at acceptable levels, and all mitigation measures are presented in detail in Table 6.

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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, retrofitting, 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 - Nazımiye Government House Location*

*Table 1 - Project Site Information*

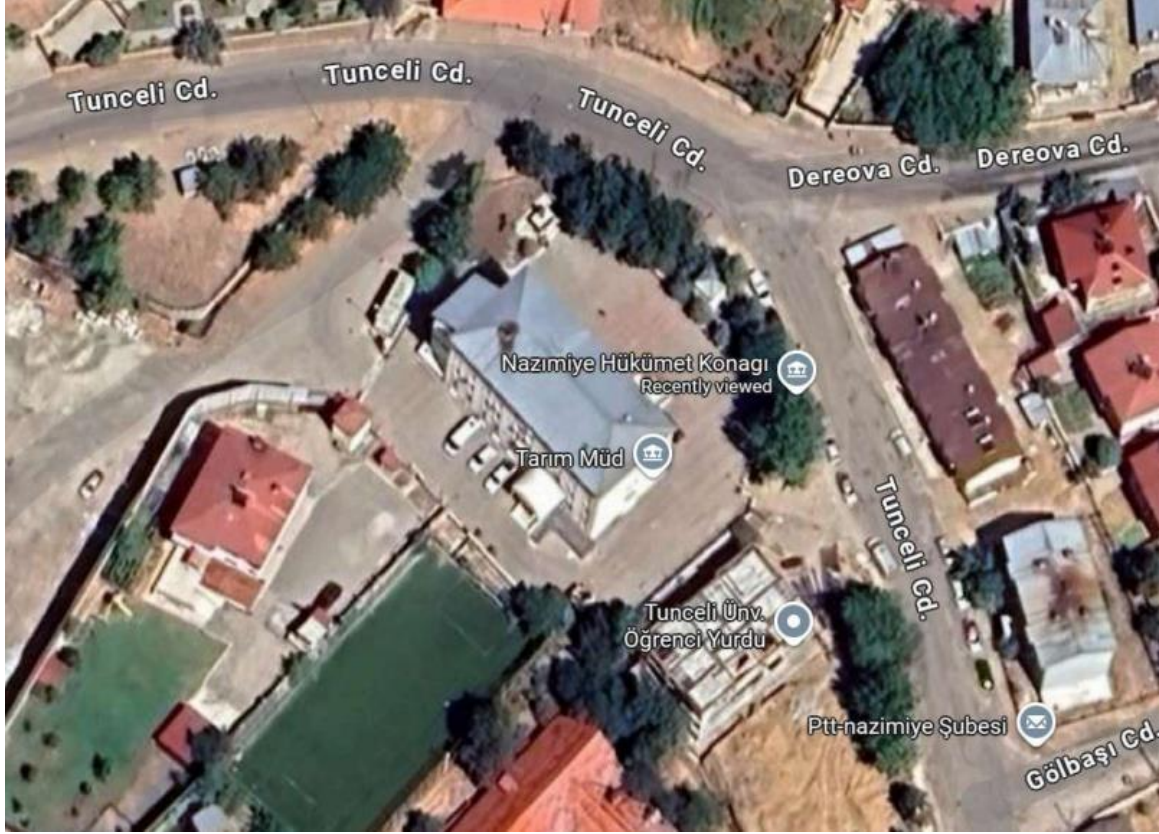
<b>GENERAL INFORMATION</b>	
<b>Province</b>	Tunceli
<b>District</b>	Nazımiye
<b>Building Name</b>	Address
	Nazımiye Government House Merkez Neighborhood, Tunceli Street No 19
<b>Usage Status</b>	The buildings are currently used as public building.
<b>Institution Using the Building</b>	Nazımiye Government House Nazımiye Governorate
<b>Number of Users</b>	Staff: 69 (36 women, 33 men) Visitor: Approximately 50 (22 women, 28 men) person/day District population: 7.359 (3.347 women, 4.012 men)
<b>PROJECT BUILDING INFORMATION</b>	

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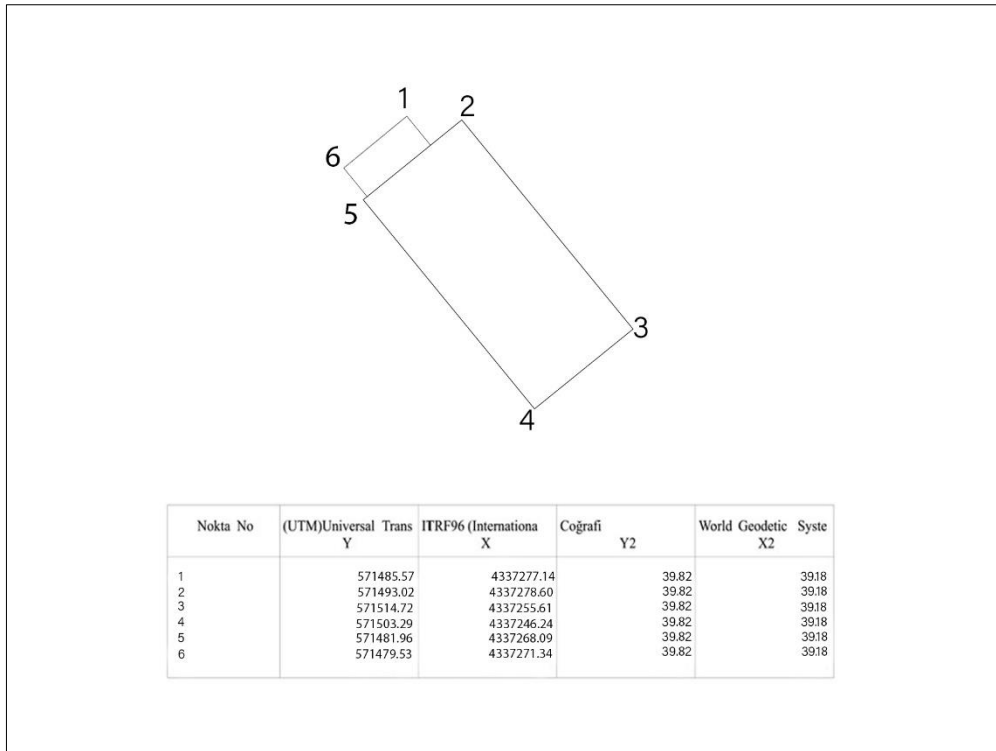
Building Number	1 Building
<b>Block Number</b>	1 Block
<b>Construction Area</b>	2.458 m2
<b>PLANNED WORKS TO BE CARRIED OUT IN THE BUILDINGS</b>	
<ul style="list-style-type: none"> <li>• Thermal insulation works: Application of 10 cm thick rock wool insulation to the building walls and 16 cm thick glass wool insulation to the pitched roof.</li> <li>• Window replacement works: Replacement of existing windows with Low-E coated double-glazed units (4+16+4 mm).</li> <li>• Mechanical systems upgrade: Insulation of mechanical installation equipment using appropriate insulation materials, and replacement of heating circulation pumps with high-efficiency pumps equipped with IE4 motors and Variable Speed Drives (VSDs).</li> <li>• Heating system optimization: Installation of thermostatic valves on 95 radiators located within the Government House building.</li> <li>• Lighting system upgrade: Replacement of 286 inefficient lighting fixtures with LED lighting fixtures.</li> <li>• Solar power system installation: Installation of a 24.6 kWp rooftop Solar Power Plant (PV System) on the service building.</li> <li>• Energy monitoring system installation: Installation of an Energy Measurement and Monitoring System.</li> </ul>	
<b>STRUCTURAL RETROFITTING WORKS PLANNED TO BE CARRIED OUT IN THE BUILDING</b>	
<ul style="list-style-type: none"> <li>• Retrofitting 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 retrofitting 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 first quarter of 2026 and the fourth 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 estimated number of workers is twenty-five (25) in total, comprising ten (10) workers for structural retrofitting activities and fifteen (15) workers for energy efficiency renovation works. This number may vary during the implementation period depending on the progress and scope of the construction activities.</p>	

The satellite image of the buildings is provided in below figures.

**Structural Assessment, Energy Audit, Structural-Energy Retrofit Design and Construction Supervision  
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*Figure 2 - Nazımiye Government House Satellite View*



*Figure 3 - Nazımiye Government House Coordinate Data*

Any potential adverse impacts that may arise during the structural retrofitting and renovation works at the Government House are expected to primarily occur within the building. As no ground improvement works are required, the limited external impacts—including noise and dust generation, increased traffic, vibration, and visual impacts—are expected to remain confined to the immediate surroundings. The area potentially affected by these impacts is limited to a radius of 100 meters, and the major impact zone is illustrated in Figure 4.



Figure 4 - Nazimiye Government House Major Impact Zone

The project site is located in close proximity to multiple sensitive receptors. Within the 100 m radius major impact area, the following receptors are present: the District Governor's Residence (5 m), an ongoing construction site of the Courthouse Residence (2 m), the Police Residence (listed/protected building) (1.5 m), a carpentry workshop (5 m), AFAD containers located in the immediate vicinity, a football field directly in front of the active main entrance of the building, and the Nazimiye Kindergarten, located approximately 25 m away. In addition, the Tunceli University Student Dormitory is located approximately 45 m from the site, the Nazimiye Community Health Center is 110 m away, and the District Directorate of National Education is located at 80 m.

Considering these distances, the construction activities have the potential to cause temporary impacts on the surrounding buildings and their users.

Within the scope of the sub-project, grievance boxes and information posters explaining the grievance mechanism will be installed not only in the project buildings but also in the buildings located within the major impact area. Users will be informed about the sub-project through these materials, and the grievance boxes will be checked twice a week. Through this approach,

community health and safety risks will be managed at an acceptable level. All received complaints will be reviewed under the grievance mechanism and the process will be implemented in accordance with the established procedures.

## **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. The Regulation on the Control of Industrial Air Pollution was published in the Official Gazette dated 03 July 2009 and numbered 27277.
7. 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.
8. 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.
9. 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.
10. Environmental Noise Control Regulation, published in the Official Gazette dated 30 November 2022, No. 32029.
11. 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,

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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 Nazimiye Government House are 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/en>). Additionally, to ensure that stakeholders have sufficient information about the project to participate in the information meeting, the draft ESMP was disclosed 48 days prior to the meeting in Government Building and on the Project's official website (<https://kamuguclendirme.csb.gov.tr/en>). 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>	
<p><b>DESCRIPTION OF THE GEOGRAPHICAL, PHYSICAL, BIOLOGICAL, GEOLOGICAL, HYDROGRAPHIC AND SOCIO-ECONOMIC CONTEXT</b></p>	<p>During the implementation of the project activities (such as scaffolding installation, painting, façade cladding, etc.), it is expected that the soil surrounding the buildings may be affected by construction activities. Necessary mitigation measures will be taken to prevent contamination of the soil by hazardous chemicals during the execution of works in this area.</p> <p>The measures to be implemented for the management of potential environmental and social impacts and risks of the project are presented in detail in Section 5.</p> <p>No access constraints to the project site are anticipated. All required infrastructure services, including electricity, water, sewage, natural gas, and internet, are available at the project area.</p> <div style="text-align: center;">  <p>Nazımiye Government House External View</p> </div>
<p><b>LOCATIONS AND DISTANCES OF THE NEAREST SENSITIVE RECEPTORS SUCH AS HOSPITALS, HEALTH UNITS, PUBLIC BUILDINGS, AND HOUSES</b></p>	<ul style="list-style-type: none"> <li>• The project site is the Tunceli Nazımiye Government House Building. The majority of the structural retrofitting and renovation works will be carried out within the building. However, the prevention of potential adverse impacts on nearby settlements arising from construction activities will be controlled and managed through the mitigation measures presented in this ESMP. Direct impacts on buildings other than the project building are not expected as a result of the construction works.</li> <li>• Within the major impact area, there are public buildings, a kindergarten, a dormitory, and residential buildings. Noise, dust, vibration, the dispersion of excavation and construction waste outside the construction site, and potential issues related to waste management may adversely affect the users of these buildings. Detailed information on these issues and the mitigation measures to be implemented are provided in Section 5. In addition, the management of the Government House will be informed at least seven (7) days prior to each phase of the construction process. The construction schedule will be continuously updated and displayed at the construction site in a location visible to stakeholders throughout the project duration.</li> <li>• The Nazımiye Government House is located in the city center. Within the major impact area, the District Governor’s Residence is located approximately 5 m from the site, the ongoing construction of the Courthouse Residences is 2 m away, a building allocated to the Police Department is located at a distance of 1.5 m, a carpentry workshop is 5 m away, a football field is located in front of the Government House, and a kindergarten is located approximately 25 m from the building. The Tunceli University</li> </ul>

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	<p>Student Dormitory is located approximately 45 m from the site. The Nazimiye Community Health Center is located approximately 110 m away, and the District Directorate of National Education is located at a distance of 80 m.</p>
<p><b>TRAFFIC ACTION PLAN</b></p>	<p>Considering the project area and its immediate surroundings, no difficulties are anticipated during the transportation of materials required for the construction activities.</p> <p>Access routes and traffic rules are defined in the Traffic Action Plan, which is included in the Occupational Health and Safety (OHS) Plan prepared by the Supervision Consultant. In addition, a Community Health and Safety and Traffic Management Plan shall be prepared by the Contractor prior to the commencement of construction works. The map showing the traffic routes of the Government House, together with the traffic management plans, is provided below. At the construction site, traffic warning signage shall be installed at the vehicle access point and security checkpoint. Entries and exits shall be controlled for both pedestrians and vehicles, the gate shall remain closed when there is no entry or exit, and a designated guard shall be stationed at the gate at all times.</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> <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</li> </ul> </li> </ul>

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	<p>to be installed</p> <ul style="list-style-type: none"> <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> </ul> <ul style="list-style-type: none"> <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>Prior to the implementation of the prepared and approved projects, a stakeholder engagement meeting was organized with the participation of all stakeholders in order to provide information on the technical, social, and environmental aspects of the project by the relevant specialists, respond to all questions raised by participants regarding the project and collect their opinions and feedback, and disclose this ESMP to stakeholders following its approval by the Administration and the World Bank.</p> <p>For stakeholders who are unable to attend physically, online participation options will also be provided.</p> <p>Through this meeting, participants will be informed by the relevant experts about the technical, social, and environmental details of the project, and an opportunity will be provided to address all questions related to the Sub-project and collect stakeholder views. Prior to the stakeholder information meeting, this ESMP was disclosed 48 days, both on the project website (<a href="https://kamuguclendirme.csb.gov.tr/en">https://kamuguclendirme.csb.gov.tr/en</a>) Nazimiye Government House website (<a href="http://www.nazimiye.gov.tr/">http://www.nazimiye.gov.tr/</a>) and at the construction site, to ensure stakeholder access. The ESMP will remain publicly accessible to all stakeholders throughout the project lifecycle, both on the relevant websites and at the construction sites. In addition, printed copies of this ESMP was made available in the project building for stakeholder access for 48 days prior to the stakeholder engagement meeting.</p> <p>Stakeholder engagement activities under the project are not limited to a single stakeholder meeting. Instead, stakeholder engagement will be treated as a continuous process, starting from the pre-construction preparation phase and continuing throughout the entire project duration.</p> <p>Prior to the commencement of construction activities, the Supervision Consultant’s Social Specialist will conduct informative meetings with nearby residents, users, and relevant institutional representatives to provide information on the project and its expected impacts, collect initial stakeholder assessments and expectations, and introduce the grievance mechanism.</p> <p>Once construction activities commence, these engagements will be regularly continued by the Contractor’s Social Specialist, ensuring timely information disclosure to stakeholders, particularly regarding noise, dust, access arrangements, and working hours. All feedback received from the field will be recorded and managed through an integrated process linked to the grievance mechanism. The Supervision Consultant’s Social Specialist will monitor and verify these engagement and information disclosure activities. Through these practices, stakeholders will have continuous access to information and feedback mechanisms, starting from the pre-project phase and continuing throughout construction, ensuring that stakeholder engagement is implemented as a comprehensive and ongoing process rather than a one-off meeting.</p> <p>Details regarding the project-specific grievance mechanism and the stakeholder</p>

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	engagement meeting are provided in Section 4.
<b>ISSUES AND CONCERNS RAISED BY THE BUILDING USERS</b>	As of the date this report was prepared, written/verbal 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 will be expressed during the stakeholder engagement meeting and was recorded with the stakeholder engagement meeting minutes, and the opinions/suggestions and concerns of the stakeholders are included in this document in Annex 6.
<b>PLACEMENT OF GRIEVANCE BOXES</b>	<p>A total of two (2) Grievance Boxes will be installed, one (1) within the construction site and one (1) in a public area accessible to community members. A representative illustration showing the location of the grievance boxes is provided below.</p> 
<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 Nazimiye 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 within the scope of the sub-project, with the participation of the Supervision Consultant, 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 staff of the Project Implementation Unit (PIU).

At the stakeholder engagement meeting, prior to the implementation of the approved sub-project, the relevant specialists will provide information on the technical, social, and environmental aspects of the project. In addition, participants' questions regarding the project was addressed, and their views and feedback was collected. A total of 63 people attended the Stakeholder Engagement Meeting held on April 1, 2026, including 57 participants in person (28 women and 29 men) and 6 participants online (5 women and 1 man).

The ESMP specific to this sub-project will be disclosed at least ten (10) days prior to the Stakeholder Engagement Meeting, in order to ensure that all stakeholders are informed about how the sub-project will be implemented on-site and to enable the collection of any comments, objections, or suggestions. For this purpose, the ESMP will be disclosed on the SREEPB Project website (<https://kamuguclendirme.csb.gov.tr/en>) throughout the project lifecycle and will be posted at the construction site of the Tunceli Nazimiye Government House within the sub-project scope, where it will remain displayed together with the grievance boxes for the duration of the project.

#### **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 ([chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/sreepb-p175894\\_sef\\_final-may\\_20210521121600.pdf](chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/sreepb-p175894_sef_final-may_20210521121600.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.

In accordance with the Grievance Mechanism Procedure, the Consultant will install grievance boxes at accessible locations in the district center and at the construction site, and will check the boxes every Tuesday and Friday.

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

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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

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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.

*Table 4 - 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>
-	Suggestion and grievance boxes installed in buildings

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 5 - 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 6 - 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) ([chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/sreepb-p175894\\_sef\\_final-may\\_20210521121600.pdf](chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/sreepb-p175894_sef_final-may_20210521121600.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 renovation works planned to be carried out at the Tunceli Nazımiye Government House are expected to generate both direct and indirect positive social and environmental impacts. Direct positive social impacts include ensuring that building users benefit from a seismically resilient structure, preventing potential loss of life and property, and enabling the Government House to continue providing services in the aftermath of possible earthquakes, which is of critical importance. In addition, the project is expected to generate positive impacts in terms of energy savings and the reduction of air pollutant emissions.

During the implementation of the sub-project, the building will be fully vacated, and it has been decided by the local administration that the Şehit Mehmet Anatolian High School building, which is currently nearing completion, will be used for the temporary provision of services. Until the project is completed and before the building starts operating as a school, it will be used by the District Governorate, after which it will commence use for educational purposes. The relocation schedule will be announced to the local community through the official website of the District Governorate. This temporary relocation process constitutes a short-term and temporary social impact that may cause minor disruptions to the daily work routines of staff and to citizens' access to services. The temporary service location and relocation process do not pose a risk for citizens with hearing and speech impairments receiving population registry services in the building.

The physical work to be carried out under the project are not expected to result in irreversible adverse environmental impacts. The impacts are anticipated to be temporary, reversible, and moderate in magnitude and nature. The sub-project site is not located within environmentally sensitive areas. Furthermore, these physical works are not expected to cause significant adverse impacts on human health or the environment.

Due to the location of the Nazımiye Government House, no significant risks related to community health and safety are anticipated in terms of construction traffic and construction activities.

Other potential adverse social impacts identified, apart from community health and safety risks, are limited and can be effectively managed through the mitigation measures described in this ESMP. In the event that the private business (café) operating within the building is unable to provide services at the temporary location, support will be provided through employment opportunities offered by the supervision consultant or the contractor to prevent loss of income. As the building is currently not accessible for people with disabilities, the provision of disability access ramp upon completion of the project will generate a significant long-term positive social impact, particularly for people with disabilities, elderly individuals, and those with limited mobility.

In addition, risks such as temporary income loss for commercial businesses are not anticipated. Potential adverse environmental and social impacts that may arise as a result of the structural retrofitting and energy efficiency-oriented renovation works are impacts that can be eliminated or minimized through the implementation of mitigation measures, and these impacts are summarized in the table below.

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*Table 7 - 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> 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>	<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
	<p>Non-compliance with national and defined international occupational health and safety requirements at the workplace;</p>	<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 buildings shall be detailed in the project-specific Waste Management Plan and Occupational</li> </ul>	Consultant PIU Contractor

	<p>Health and Safety (OHS) Management Plan.</p> <ul style="list-style-type: none"> <li>• The Occupational Health and Safety Plan has been prepared by the Consultant for Nazımiye 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 building 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</li> </ul>	
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	<p>building management bears no responsibility for theft or other negative incidents that may occur in 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 building 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> </ul>	
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	<ul style="list-style-type: none"> <li>• Persons under the age of 18 shall not be permitted to enter the construction site.</li> <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> </ul>	
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	<ul style="list-style-type: none"> <li>• Maintenance forms for all work equipment to be used on site shall be provided, regular maintenance and repairs shall be carried out, and responsible personnel for maintenance and repair works shall be designated.</li> <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</li> </ul>	
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	<p>operations on live energy lines such as high-voltage tasks. Special training shall be provided to 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:             <ul style="list-style-type: none"> <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</li> </ul> </li> </ul>	
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	<p>(including sexually transmitted infections such as HIV) and non-communicable diseases arising 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>	
<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>	<p>Contractor</p>

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	<p>c) <i>Safety</i></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>	<p align="center">Contractor</p>
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<p>Renovation and strengthening works for improving seismic resistance and energy efficiency in public buildings</p>	<p><b>d) Waste Management</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>General Information</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>
		<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 authorities of the public buildings, and these areas shall be reported to the Consultant.</li> <li>• If a protocol is signed between the Contractor and the Beneficiary Institutions, 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 National Environmental Information System (U-ÇBS) of the Ministry of Environment,</li> </ul>	<p>Contractor</p>

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		<p>Urbanization and Climate Change. For this purpose, the Contractor shall register in E-ÇBS. 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.</p>	
		<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 Nazımiye 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 sites, 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 beneficiary institutions 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</li> </ul>	<p>Contractor</p>

		<p>Regulation. All details shall be included in the Waste Management Plan to be prepared by the Contractor.</p> <ul style="list-style-type: none"> <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 National Environmental Information System (U-ÇBS).</li> <li>• Absorbent pad kits/sawdust and fire extinguishers shall be kept available in the work areas. A 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.</li> <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 institutions, 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 Nazımiye 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</li> </ul>	
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		<p>minimize asbestos dust.</p> <ul style="list-style-type: none"> <li>All procedures related to asbestos are detailed in Annex 8 of the Environmental and Social Management Framework<sup>7</sup> 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 and appropriately labeled. Security measures shall be taken to prevent unauthorized removal from the site. 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>	
	<p><b>e) Pollution Prevention</b></p> <p>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. 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>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>	<p>PUB Consultant Contractor</p>

<sup>7</sup> [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)

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	<p><i>f) Noise</i></p> <p>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 surrounding 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 should not exceed 55 dB during 07:00–22:00 and 45 dB during 22:00–07:00 for residential/educational and institutional areas(<a href="https://www.ifc.org/content/dam/ifc/doc/2023/ifc-general-ehs-guidelines.pdf">https://www.ifc.org/content/dam/ifc/doc/2023/ifc-general-ehs-guidelines.pdf</a>) . This requirement shall be taken into account during site inspections.</li> <li>• During the demolition process following the start of construction, noise levels shall be measured for each building 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,</li> </ul>	Contractor
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		<p>communication shall be established with residents of the nearest settlements.</p> <ul style="list-style-type: none"> <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. To receive and address grievances related to such matters, contact numbers shall be affixed to the vehicles.</li> </ul>	
	<p><b>g) <i>Air Quality / Emission</i></b></p>	<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 for each building, 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>• Renovation and retrofitting works shall primarily take place inside the building. Dust generated during pneumatic chiseling and scraping operations shall be suppressed continuously through water spraying and dust suctioning machine.</li> <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 first 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>• 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>Consultant Contractor</p>

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	<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>• There are no water resources located in the vicinity of the Tunceli Nazimiye Government House that could be affected by the construction activities. Therefore, no adverse impacts on surface water are anticipated because of the construction works.</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>	<p>Consultant Contractor</p>
	<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>	<p>Consultant Contractor</p>
	<p><b>j) Required Resources</b></p>	<ul style="list-style-type: none"> <li>• Contractors shall obtain the necessary permissions from the beneficiary institutions' 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>	<p>Contractor</p>
		<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>	<p>PIU Consultant</p>

	<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> <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</li> </ul>	<p>Consultant Contractor</p>
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		<p>through warning signs and, if necessary, information meetings.</p> <ul style="list-style-type: none"> <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>	
Operational Phase Impacts and Risks	<p><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)</p>	<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>	Authorities of Nazımiye Governor’s House
	<p><b>b) OHS Risks</b> Maintenance and repair activities for the proper functioning of the building may pose OHS risks for workers.</p>	<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>	Authorities of Nazımiye Governor’s House

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<p>Throughout the project duration</p>	<p><i>Stakeholder Feedback (Suggestions, Grievances, Opinions)</i></p>	<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 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 accordance with the SREEPB Project GM Procedure.</li> <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> <li>• The principles regarding the receipt of feedback are explained under the section titled “4. Stakeholder Engagement and Grievance Mechanisms” of this document.</li> </ul>	<p>PIU Consultant Contractor</p>
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## 6. Environmental and Social Monitoring Plan

*Table 8 - 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 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 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>• Authorities of Nazimiye Governor's House Service Provider Institution OHS Department</li> <li>• Consultant</li> <li>• Contractor</li> </ul>
Working conditions and terms of employment	Project site	Final OHS Plan inspection Sites 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  Air Quality Assessment and Management Regulation  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/sites supervision for the implementation of designated noise reduction measures, including declared methods used  Monitoring with noise measurement device at the nearest buildings.  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  Sites 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 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>
Soil Pollution	Project sites, external storage areas, and access roads	<p>Inspection of training records (spillage, leakage training)</p> <p>Inspection of chemical absorbent kits (Site, mobile construction machinery)</p> <p>Site supervision</p>	Daily / Throughout the project duration	<p>Protection of soil and groundwater quality</p> <ul style="list-style-type: none"> <li>• Regulation on the Control of Soil Pollution and Sites Contaminated by Point Sources</li> <li>• Regulation on the Control of Water Pollution</li> <li>• Regulation on the Protection of Groundwater against Pollution and Deterioration</li> </ul>	<ul style="list-style-type: none"> <li>• Consultant</li> <li>• Contractor</li> </ul>
Vehicle and Pedestrian Safety	Project sites and access roads	<p>Visual inspection</p> <p>Use of appropriate signs and signals</p> <p>Site supervision</p> <p>Implementation of the Community Health and Traffic Management Plan</p>	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>Number of unresolved grievances and the reason why it can not be solved</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	Nazimiye 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/Retrofitting 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>• Nazimiye Government House Administration</li> </ul>
Health and Safety	Retrofitted and energy-efficient buildings	Regular inspection of the roof with installed solar energy system, 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>• Nazimiye Government House Administration</li> </ul>

## 7. Tasks and Responsibilities

*Table 9 - Task Allocation List*

<b>RESPONSIBLE PARTY</b>	<b>RESPONSIBILITY</b>
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>• In the context of the World Bank Environmental and Social Standards, the monitoring of the contractor’s working conditions, identification of any non-compliances, and implementation of necessary corrective actions to address such non-compliances.</li> <li>• Review and approval of all sub-management plans related to Occupational Health and Safety by the Contractor 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>

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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>• Compliance with working condition requirements as outlined in the World Bank Environmental and Social Standards.</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><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 PIU</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>8</sup></li></ul>
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<sup>8</sup>[https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/sreepb-p175894\\_labormanagementprocedure\\_final\\_en\\_20210527080956.pdf](https://webdosya.csb.gov.tr/db/kamuguclendirme/menu/sreepb-p175894_labormanagementprocedure_final_en_20210527080956.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/en>), and a summary is presented in Table 9.

*Table 10 - 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 - Nazimiye Government House General View - 1



Figure 6 - Nazimiye Government House General View - 2

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*Figure 7 - Nazimiye Government House General View - 3*



*Figure 8 - Nazimiye Government House General View - 4*

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**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 11 - Summaries of World Bank Environmental and Social Standards*

ESS	SUBJECT	SUMMARY REQUIREMENT
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> <p>(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);</p> <p>(ii) protection of the workforce, including minimum age, prohibition of child labor, and forced labor;</p>

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		<p>(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;</p> <p>(iv) occupational health and safety;</p> <p>(v) contracted workers;</p> <p>(vi) community workers; and</p> <p>(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	<p>Indigenous Peoples/Sub-Saharan African Historically Underserved Traditional Local Communities</p> <p><b>(This ESS is not applicable to the SREEPB Project)</b></p>	<p>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.</p>
ESS8	Cultural Heritage	<p>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.</p>
ESS9	<p>Financial Intermediaries</p> <p><b>(This ESS is not applicable to the SREEPB Project)</b></p>	<p>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.</p>
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**

Figure 9 - Suggestion & Grievance Form

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

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

**GRIVEANCE FORM**

<b>Reference No</b>	
<b>Full Name</b>	
Please mark how you wish to be contacted (mail, telephone, e-mail).	E-mail (Please specify your e-mail address) _____@_____
	Phone (please specify the phone number at which you would like to be contacted) (____) _____
	Post Code (please indicate the postal address where you would like to be contacted)
<b>Province/District/Location</b>	
<b>Date</b>	
<b>Category of the Grievance</b>	
1. On assets/properties impacted by the project	
2. On Infrastructure outages (electricity, water, internet, natural gas outages)	
3. On decrease or complete loss of sources of income (ex. school canteen)	
4. On employment	
5. On environmental issues (ex. garbage, dust, greasy floor)	
6. On health and safety. (Unsafe construction activity)	
7. On traffic, transportation and other risks	
8. Other (if there is a special/confidential situation, please call the PIU directly):	X
<b>Description of the Grievance</b> What did happen? When did it happen? Where did it happen? What is the result of the problem?	
<b>What would you like to see happen to resolve the problem?</b>	
<i>Although giving name and address is not compulsory, it should be kept in mind that during the feedback process regarding the grievance some problems may occur due to lack of information.</i>	

**Signature:**

**Date:**

*Figure 10 - 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 11 - 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 Records

Project Code: WB/CS-DESSUP-05

Meeting Venue: Tunceli Nazımiye Ortaokulu Konferans Salonu

Date: 01.04.2026











Start | End Time: 10.00 | 12.30

A total of 63 people attended the Stakeholder Engagement Meeting held on April 1, 2026, including 57 participants in person (28 women and 29 men) and 6 participants online (5 women and 1 man).











The following tables respectively present the meeting minutes summarizing the topics covered in the presentations, the questions raised and comments made by participants along with the responses provided, photographs of the meeting, a list of participants at the PIU and consultant levels, and the slides used during the presentation.

Table 1. Stakeholder Engagement Meeting Record

Start Time	End Time	Content
11.00	12.30	Meeting Opening Speech
		<b>PRESENTATION I</b> General information on the SREEPB Project and the sub-project was provided, and the objectives were explained. Information was given on the project's financing, duration, and the consultant firm.
		<div style="text-align: center;"><p><b>Kamu Binalarında Deprem Dayanımı ve Enerji Verimliliği Projesi (KADEV)</b> <b>TUNCELİ NAZIMIYE HÜKUMET KONAĞI</b> <b>PAYDAŞ KATILIM TOPLANTISI</b></p></div>












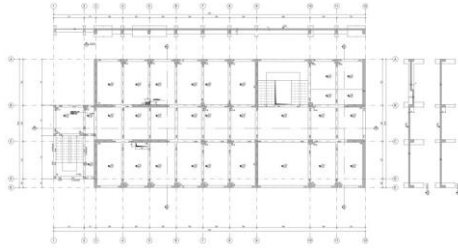


		<div data-bbox="427 208 702 282"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="847 226 1058 268"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1197 208 1340 282"><p>KADEV KAMU BİNALARINDA DEPREM GÜÇLENDİRME VE ENERJİ VERİMLİLİĞİ</p></div> <div data-bbox="494 313 1295 344" data-label="Section-Header"><h3>Kamu Binalarında Deprem Dayanımı ve Enerji Verimliliği Projesi (KADEV)</h3></div> <div data-bbox="454 358 1347 448" data-label="Text"><p>KADEV, Dünya Bankası kredisi ile Hazine ve Maliye Bakanlığı garantörlüğünde, <b>Çevre, Şehircilik ve İklim Değişikliği Bakanlığı Yapı İşleri Genel Müdürlüğü</b> tarafından yürütülen bir projedir.</p></div> <div data-bbox="454 477 703 506" data-label="Text"><p>KADEV Projesinin amacı,</p></div> <div data-bbox="454 504 1329 564" data-label="List-Group"><ul style="list-style-type: none"><li>✓ deprem riski yüksek olan kamu binalarının depreme karşı güçlendirilmesi</li><li>✓ enerji kullanımı bakımından verimsiz olan binaların enerji verimliliğinin sağlanmasıdır.</li></ul></div> <div data-bbox="454 591 1350 676" data-label="Text"><p>Proje ve Saha Kontrollüğü Danışmanlık Hizmetleri <b>Tima Mühendislik Müşavirlik Proje ve Yönetim A.Ş. &amp; OBS Proje Mühendislik Müşavirlik LTD. ŞTİ İş Ortaklığı</b> tarafından sağlanmaktadır.</p></div> <div data-bbox="1031 833 1228 893" data-label="Text"><p> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1244 833 1353 887" data-label="Text"><p> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
		<div data-bbox="427 929 702 1003"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="847 947 1058 990"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1197 929 1340 1003"><p>KADEV KAMU BİNALARINDA DEPREM GÜÇLENDİRME VE ENERJİ VERİMLİLİĞİ</p></div> <div data-bbox="676 1014 1120 1046" data-label="Section-Header"><h3>Alt Proje Kapsamındaki Bina Görünümü</h3></div> <div data-bbox="477 1068 1313 1532" data-label="Image"></div> <div data-bbox="1031 1559 1228 1619" data-label="Text"><p> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1244 1559 1353 1612" data-label="Text"><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 YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</b></p> </div>   </div> <p align="center"><b>Alt Proje Kapsamındaki Bina</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><b>Başlık</b></td> <td style="width: 50%;"><b>Bilgi</b></td> </tr> <tr> <td><b>Proje Adı</b></td> <td>Kamu Binalarında Deprem Dayanımı ve Enerji Verimliliği Projesi (KADEV)</td> </tr> <tr> <td><b>Alt Proje Kodu</b></td> <td>DESSUP-05</td> </tr> <tr> <td><b>Bina Adı</b></td> <td>Nazımiye Hükümet Konağı</td> </tr> <tr> <td><b>Bina Türü</b></td> <td>Kamu Hizmet Binası (İdari)</td> </tr> <tr> <td><b>İl / İlçe</b></td> <td>Tunceli / Nazımiye</td> </tr> <tr> <td><b>Mahalle</b></td> <td>Merkez Mahallesi</td> </tr> <tr> <td><b>Toplam Kapalı Alan (m<sup>2</sup>)</b></td> <td><b>2.458 m<sup>2</sup></b></td> </tr> <tr> <td><b>Kullanım Durumu</b></td> <td>Aktif kullanımda</td> </tr> <tr> <td><b>Ana Kullanıcı Grubu</b></td> <td>Kamu personeli, vatandaşlar</td> </tr> <tr> <td><b>Majör Etki Alanı</b></td> <td>100 metre yarıçap</td> </tr> <tr> <td><b>Paydaş Türleri</b></td> <td>Yerel halk, kamu personeli, ziyaretçiler</td> </tr> </table> <div style="text-align: right; margin-top: 20px;">   </div>	<b>Başlık</b>	<b>Bilgi</b>	<b>Proje Adı</b>	Kamu Binalarında Deprem Dayanımı ve Enerji Verimliliği Projesi (KADEV)	<b>Alt Proje Kodu</b>	DESSUP-05	<b>Bina Adı</b>	Nazımiye Hükümet Konağı	<b>Bina Türü</b>	Kamu Hizmet Binası (İdari)	<b>İl / İlçe</b>	Tunceli / Nazımiye	<b>Mahalle</b>	Merkez Mahallesi	<b>Toplam Kapalı Alan (m<sup>2</sup>)</b>	<b>2.458 m<sup>2</sup></b>	<b>Kullanım Durumu</b>	Aktif kullanımda	<b>Ana Kullanıcı Grubu</b>	Kamu personeli, vatandaşlar	<b>Majör Etki Alanı</b>	100 metre yarıçap	<b>Paydaş Türleri</b>	Yerel halk, kamu personeli, ziyaretçiler																																																																																																																																																																																																																																		
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<b>Bina Türü</b>	Kamu Hizmet Binası (İdari)																																																																																																																																																																																																																																																											
<b>İl / İlçe</b>	Tunceli / Nazımiye																																																																																																																																																																																																																																																											
<b>Mahalle</b>	Merkez Mahallesi																																																																																																																																																																																																																																																											
<b>Toplam Kapalı Alan (m<sup>2</sup>)</b>	<b>2.458 m<sup>2</sup></b>																																																																																																																																																																																																																																																											
<b>Kullanım Durumu</b>	Aktif kullanımda																																																																																																																																																																																																																																																											
<b>Ana Kullanıcı Grubu</b>	Kamu personeli, vatandaşlar																																																																																																																																																																																																																																																											
<b>Majör Etki Alanı</b>	100 metre yarıçap																																																																																																																																																																																																																																																											
<b>Paydaş Türleri</b>	Yerel halk, kamu personeli, ziyaretçiler																																																																																																																																																																																																																																																											
		<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 align="center"><b>Proje Süresi</b></p> <p>Proje, 2 fazdan oluşmaktadır.</p> <ul style="list-style-type: none"> <li>•<b>Faz-1:</b> Yapısal Değerlendirme, Enerji Etüdü, Yapısal-Enerji Güçlendirme Tasarımı Danışmanlık Hizmetleri ( 12 Ay)</li> <li>•<b>Faz-2:</b> İnşaat Kontrollüğü Danışmanlık Hizmetleri (3 gruptan oluşmaktadır. Her bir grup 10 ay inşaat süreci ve 12 ay kusur sorumluluk süreci içermektedir.)</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">No</th> <th rowspan="2">Deliverable/ Task</th> <th colspan="30">Proposed Work Program (monthly) in negotiations</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th><th>11</th><th>12</th><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th>10</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Contractor 1</td> <td>1 ELAZIG 1<sup>st</sup> group of buildings</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>2 ELAZIG 2<sup>nd</sup> group of buildings</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td rowspan="2">Contractor 2</td> <td>3 ELAZIG 1<sup>st</sup> group of buildings</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>4 ELAZIG 2<sup>nd</sup> group of buildings</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>5 TUNCELİ</td> <td>5<sup>th</sup> group of buildings</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table> <div style="text-align: right; margin-top: 20px;">   </div>	No	Deliverable/ Task	Proposed Work Program (monthly) in negotiations																														1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	Contractor 1	1 ELAZIG 1 <sup>st</sup> group of buildings																																				2 ELAZIG 2 <sup>nd</sup> group of buildings																																				Contractor 2	3 ELAZIG 1 <sup>st</sup> group of buildings																																				4 ELAZIG 2 <sup>nd</sup> group of buildings																																					5 TUNCELİ	5 <sup>th</sup> group of buildings																																			
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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 YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</b></p> </div>   </div> <p 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 Projelerinin Hazırlanması</li> <li>• Saha Ölçümlerinin Alınması</li> <li>• Enerji Etüt Raporu Hazırlanması</li> <li>• Yapısal Performans Değerlendirme Raporu Hazırlanması</li> <li>• Çevresel ve Sosyal Yönetim Planı Hazırlanması</li> <li>• İş Sağlığı ve Güvenliği Planı Hazırlanması</li> <li>• Sosyal Raporların Hazırlanması</li> <li>• Detaylı Tadilat ve Yenileme Tasarımları ,Teknik Şartname ve Yaklaşık Maliyet Hazırlanması</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="display: flex; justify-content: flex-end; align-items: center;">   </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 align="center"><b>Faz-1 Aşamasında Yapılacak İşler</b></p> <p>Proje Faz-1 Aşamasında <b>Deprem Dayanımı ve Enerji Verimliliği</b> konu başlıklarında 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>•Pencere değişimi,</li> <li>•Yüksek Verimli Pompa Kullanımı,</li> <li>•Yüksek Verimli Motor Kullanımı ve Hız Sürücü Kullanımı</li> <li>•Mevcut Mekanik Tesisatın Vana Ceketi ile Yalıtılması</li> <li>•Mevcut verimsiz armatürlerin Verimli LED Armatür ile Değişimi</li> <li>•24,6 KW Çatı Tipi Güneş Enerji Sistemi Kurulumu</li> <li>•Enerji Ölçüm İzleme Sistemi Kurulumu</li> </ul> <hr/> <div style="display: flex; justify-content: flex-end; align-items: center;">   </div>
10.15	10.30	Provision of Information on Seismic Resilience
		Information was provided on the seismic strengthening project and the construction methods to be implemented.

		<div data-bbox="427 208 687 280"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="826 226 1023 264"><p>THE WORLD BANK IBRD - IDA   WORLD BANK GROUP</p></div> <div data-bbox="1158 208 1294 280"><p>KADEV KATILIMLI KURULUŞLAR KURUMSAL DEĞERLER</p></div> <div data-bbox="687 405 1042 456" data-label="Section-Header"><h2>Deprem Dayanımı</h2></div> <div data-bbox="1002 799 1185 860"><p>timA Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1206 799 1305 851"><p>OBS DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
		<div data-bbox="427 896 703 967"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="850 911 1062 954"><p>THE WORLD BANK IBRD - IDA   WORLD BANK GROUP</p></div> <div data-bbox="1206 896 1350 967"><p>KADEV KATILIMLI KURULUŞLAR KURUMSAL DEĞERLER</p></div> <div data-bbox="641 965 1161 999" data-label="Section-Header"><h3>YAPISAL TAŞIYICI SİSTEM BELİRLENMESİ (RÖLÖVE)</h3></div> <div data-bbox="531 999 726 1236" data-label="Image"></div> <div data-bbox="730 999 922 1236" data-label="Image"></div> <div data-bbox="946 1066 1337 1341" data-label="Image"></div> <div data-bbox="486 1236 946 1482" data-label="Diagram"></div> <div data-bbox="1034 1523 1233 1583"><p>timA Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1254 1523 1361 1574"><p>OBS DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>



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### MALZEME KARAKTERİSTİK ÖZELLİKLERİNİN BELİRLENMESİ ÇALIŞMALARI



Sıra No	Karot No	Kat	Eleman	Yapı Elemanı	Nümunne Ebatları (F-L (mm))	Basınç Dayanımı (N/mm <sup>2</sup> )	Nümunne Tipi	Küp Basınç Dayanımı (N/mm <sup>2</sup> )
1	NK-K01	3.KAT	S312	Kolon	82x82	21,5	Küp Numune	21,5
2	NK-K02	3.KAT	P314	Perde	82x84	11,5	Küp Numune	11,5
3	NK-K03	2.KAT	S211	Kolon	82x83	11,1	Küp Numune	11,1
4	NK-K04	2.KAT	S210	Kolon	82x82	16,8	Küp Numune	16,8
5	NK-K05	1.KAT	P104	Perde	82x81	11,4	Küp Numune	11,4
6	NK-K06	1.KAT	S113	Kolon	82x80	16,1	Küp Numune	16,1
7	NK-K07	ZEMİN	P217	Perde	82x84	*10,0	Küp Numune	*10,0
8	NK-K08	ZEMİN	P203	Perde	82x82	12,8	Küp Numune	12,8
9	NK-K09	ZEMİN	S212	Kolon	82x82	11,2	Küp Numune	11,2
10	NK-K10	BODRUM	SB17	Kolon	82x82	11,1	Küp Numune	11,1
11	NK-K11	BODRUM	SB12	Kolon	82x82	11,1	Küp Numune	11,1
Ortalama Basınç Dayanımı (N/mm <sup>2</sup> )								13,5
Standart Sapma								3,5
fck,iş.küp = f <sub>cm</sub> (0,95)								9,9
fck,iş.küp (TBDY18)								11,4
Yapı Genel Beton Sınıfı (Silindir) (N/mm <sup>2</sup> )								C9

\* TBDY 2018 gereği; "en düşük tek değer, geriye kalan diğer sonuçların ortalamasının %75'inden daha düşük" olduğu durumlarda değerlendirilmeye alınmayacaktır.



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



### ZEMİN KARAKTERİSTİK ÖZELLİKLERİNİN BELİRLENMESİ ÇALIŞMALARI

Tablo 16.1 – Yerel Zemin Sınıfları




Foto 3.2: SK-2 Karot Sanlığı Fotoğrafı

Yerel Zemin Sınıfı	Zemin Cinsi	Orta 30 metrede ortalama		
		( $f_{c,30}$ ) <sub>0</sub> [m/s]	( $N_{60}$ ) <sub>0</sub> [dab/30 cm]	( $c_u$ ) <sub>0</sub> [kPa]
ZA	Sağlam, sert kayalar	> 1500	—	—
ZB	Az ayrımsız, orta sağlam kayalar	760 – 1500	—	—
ZC	Çok sıkı kum, çakıl ve sert kil tabakaları veya ayrımsız, çok sıkı zayıf kayalar	360 – 760	> 50	> 250
ZD	Orta sıkı – sıkı kum, çakıl veya çok katı kil tabakaları	180 – 360	15 – 50	70 – 250
ZE	Orta sıkı kum, çakıl veya yumuşak – katı kil tabakaları veya $PF > 20$ ve $w > 40$ kuyulmuş sağlam topraklarda 3 metreden daha kalın yumuşak kil tabakası ( $c_u < 25$ kPa) içeren profiller	< 180	< 15	< 70
ZF	Sahaya özel araştırma ve değerlendirme gerektiren zeminler: 1) Deprem etkisi altında çökme ve potansiyel göçme riskine sahip zeminler (arılaşabilir zeminler, yüksek derecede hassas kâller, göçebilir zayıf çimentolu zeminler vb.), 2) Toplam kalınlığı 3 metreden fazla tırtul ve/veya organik içeriği yüksek kâller, 3) Toplam kalınlığı 8 metreden fazla olan yüksek plastisiteli ( $PI > 50$ ) kâller, 4) Çok kalın (> 3,5 m) yumuşak veya orta katı kâller.			




		<div data-bbox="427 206 703 280"></div> <div data-bbox="849 224 1059 264"></div> <div data-bbox="1203 210 1350 280"></div> <div data-bbox="817 280 979 306"><h3>DEPREMSELLİK</h3></div> <div data-bbox="512 318 909 542"></div> <div data-bbox="963 333 1278 535"></div> <div data-bbox="517 555 890 792"></div> <div data-bbox="932 555 1324 779"></div> <div data-bbox="979 786 1278 806"><p>Şekil E. 1-15. Kayıt-4 için ivme, hız ve deplasman zaman serileri (2475 yıl).</p></div> <div data-bbox="1034 837 1362 898"></div>
		<div data-bbox="427 931 703 1005"></div> <div data-bbox="849 949 1059 990"></div> <div data-bbox="1203 936 1350 1005"></div> <div data-bbox="804 1005 991 1034"><h3>ANALİZ YÖNEMİ</h3></div> <div data-bbox="424 1055 1374 1193"><ul style="list-style-type: none"><li>• <b>TBDY-2018</b></li><li>• <b>ETABS:</b> Computers &amp; Structures Inc. <i>Uluslararası Literatürde kabul görmüş güvenilir analiz programı</i></li><li>• <b>Malzeme ve Yapısal Elemanların Doğrusal Olmayan Davranışlarının Tanımlanması</b></li><li>• <b>DD-1 ve DD-3 Deprem Düzeyi için tanımlanan (2 x 11 = 22 Deprem Kaydı)</b></li><li>• <b>Zaman Tanım Alanında Doğrusal Olmayan Analiz</b></li><li>• Güncel deprem yönetmeliklerine uygun olarak, ileri hesap yöntemleri (doğrusal olmayan analiz) ile yapının deprem etkisi altındaki davranış incelenir. Kullanılan yöntem, <b>en güncel</b>, <b>en gerçekçi</b> ve <b>detaylı değerlendirme</b> yöntemidir.</li></ul></div> <div data-bbox="692 1209 1027 1379"></div> <div data-bbox="1034 1561 1362 1624"></div>


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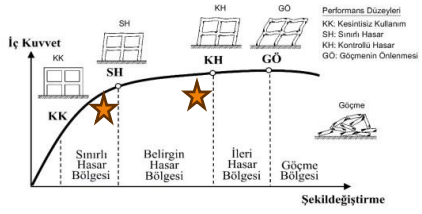
**KADEV**  
KONSTRÜKSİYON VE ENERJİ VERİMLİLİK

**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




**Performans Düzeyleri**  
KK: Kesintisiz Kullanım  
SH: Sınırlı Hasar  
KH: Kontrollü Hasar  
GÖ: Göçmenin Önlenmesi







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



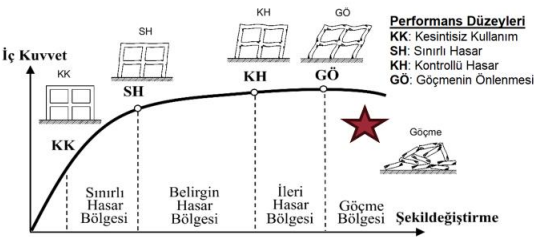
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**KADEV**  
KONSTRÜKSİYON VE ENERJİ VERİMLİLİK

**YAPILARIN GENEL MEVCUT DEPREM PERFORMANSI DURUMU**

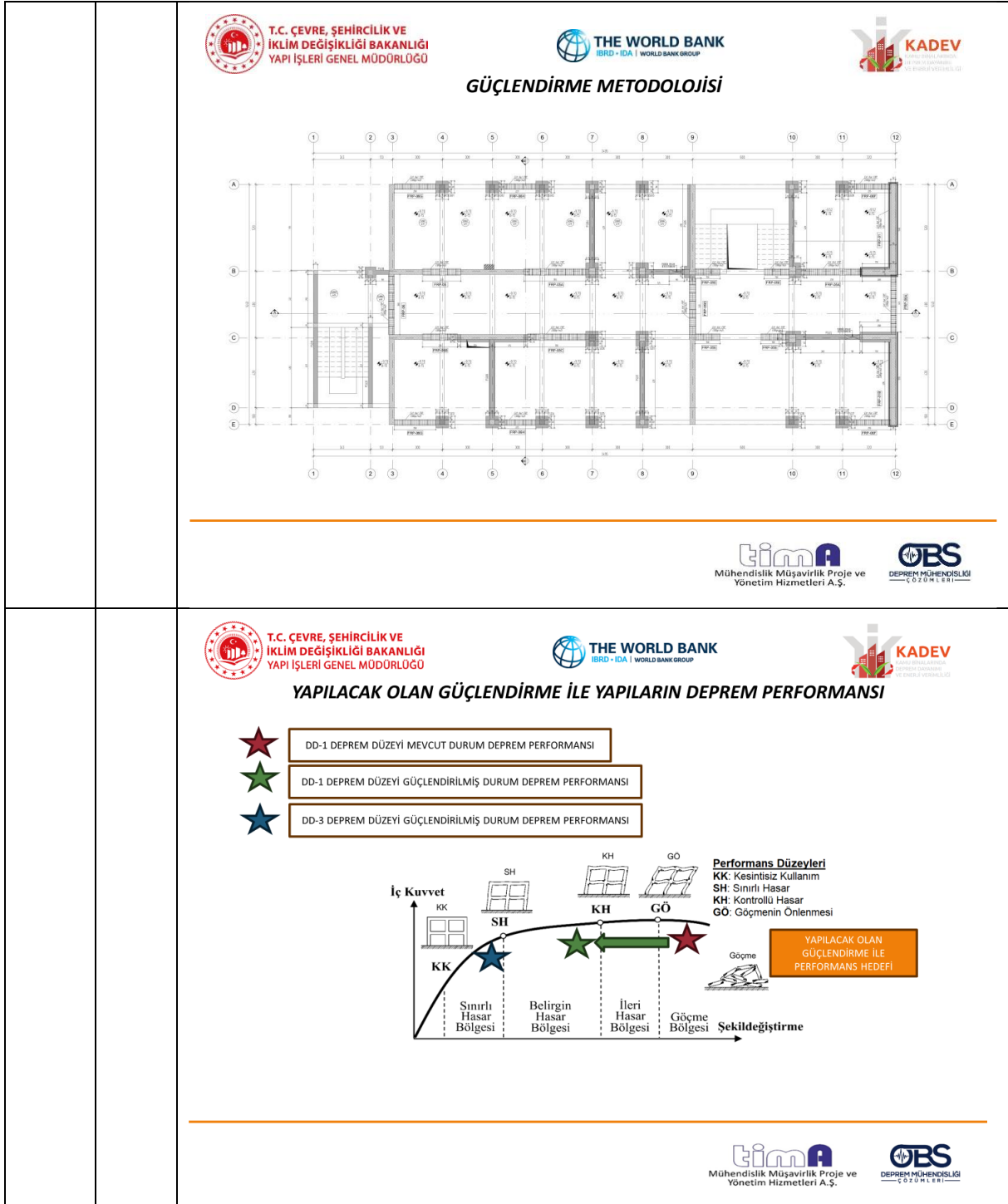
Göz önüne alınan deprem yer hareketi olan  
**DD-1**  
[Deprem Yer Hareketi Düzeyi-1] : 50 yılda %2  
için  
Yapı Performans Düzeyi  
**DD1: GÖÇME**



**Performans Düzeyleri**  
KK: Kesintisiz Kullanım  
SH: Sınırlı Hasar  
KH: Kontrollü Hasar  
GÖ: Göçmenin Önlenmesi

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















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	<div data-bbox="427 208 703 286" data-label="Image"></div> <div data-bbox="849 226 1062 271" data-label="Image"></div> <div data-bbox="1206 215 1353 286" data-label="Image"></div> <div data-bbox="798 293 1021 329" data-label="Section-Header"><h3>YIKIM SÖKÜM İŞLERİ</h3></div> <div data-bbox="491 329 807 748" data-label="Image"></div> <div data-bbox="893 329 1353 748" data-label="Image"></div> <div data-bbox="564 754 1289 790" data-label="Text"><p>Görseller yürütülecek çalışmalara örnek olması amaçlı paylaşılmaktadır.</p></div> <div data-bbox="1034 840 1235 900" data-label="Image"></div> <div data-bbox="1254 840 1362 900" data-label="Image"></div>
	<div data-bbox="427 936 703 1014" data-label="Image"></div> <div data-bbox="849 954 1062 999" data-label="Image"></div> <div data-bbox="1206 943 1353 1014" data-label="Image"></div> <div data-bbox="758 1028 1043 1064" data-label="Section-Header"><h3>TEMEL SİSTEMİNİN TESPİTİ</h3></div> <div data-bbox="456 1099 935 1451" data-label="Image"></div> <div data-bbox="963 1099 1321 1451" data-label="Image"></div> <div data-bbox="1034 1563 1235 1624" data-label="Image"></div> <div data-bbox="1254 1563 1362 1624" data-label="Image"></div>











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		<div data-bbox="427 208 703 282"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="849 226 1062 271"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1203 215 1350 282"><p>KADEV KATILIMCI AKADEMİK DEĞERLER VE ENERJİ VERİMLİLİĞİ</p></div> <div data-bbox="754 286 1077 320" data-label="Section-Header"><p><b>EPOKSİ İLE ANKRAJ FİLİZ EKİMİ</b></p></div> <div data-bbox="443 342 887 542"><p>DELİCİ İLE ANKRAJ DELİĞİ AÇMA</p></div> <div data-bbox="896 342 1355 542"><p>ANKRAJ DELİKLERİNE EPOKSİ UYGULANMASI</p></div> <div data-bbox="443 566 887 804"><p>EPOKSİ İLE FİLİZ EKİMİ</p></div> <div data-bbox="896 566 1355 804"><p>TEST VE MUAYENE</p></div> <div data-bbox="1034 840 1235 900" data-label="Text"><p><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1251 840 1362 891" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
		<div data-bbox="427 931 703 1005"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="849 949 1062 994"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1203 938 1350 1005"><p>KADEV KATILIMCI AKADEMİK DEĞERLER VE ENERJİ VERİMLİLİĞİ</p></div> <div data-bbox="782 1005 1016 1039" data-label="Section-Header"><p><b>DEMİR DONATI İŞLERİ</b></p></div> <div data-bbox="547 1050 855 1279"></div> <div data-bbox="547 1283 855 1512"></div> <div data-bbox="951 1050 1275 1279"></div> <div data-bbox="951 1283 1275 1512"></div> <div data-bbox="1034 1561 1235 1624" data-label="Text"><p><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1251 1561 1362 1624" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>

		<p> T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p> <p> THE WORLD BANK IBRD - IDA   WORLD BANK GROUP</p> <p> KADEV KATILIM VE YATIRIM MENKUL DEĞERLER A.Ş.</p> <p><b>DEMİR DONATI İŞLERİ</b></p>  <p> <b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p> <p> <b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p>
		<p> T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p> <p> THE WORLD BANK IBRD - IDA   WORLD BANK GROUP</p> <p> KADEV KATILIM VE YATIRIM MENKUL DEĞERLER A.Ş.</p> <p><b>BETON İŞLERİ</b></p>  <p> <b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p> <p> <b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p>

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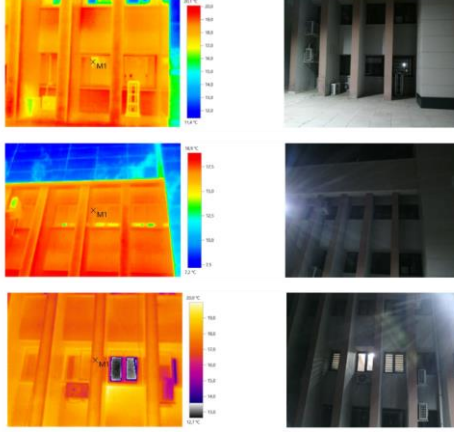




		<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</b></p> </div> <div style="text-align: center;">  <p><b>THE WORLD BANK</b> IBRD - IDA   WORLD BANK GROUP</p> </div> <div style="text-align: center;">  <p><b>KADEV</b> KONSTRÜKSİYON VE DEĞERLENDİRME VE ÇEVRE YATIRIM MENKUL DEĞERLER A.Ş.</p> </div> </div> <p align="center"><b>KARBON FİBER (FRP) İŞLERİ</b></p> <div style="display: flex; justify-content: center; gap: 20px;">   </div> <hr style="border: 1px solid orange;"/> <div style="display: flex; justify-content: flex-end; gap: 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 ÇÖZÜMLERİ</p> </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> <p align="center"><b>YAŞ BETON NUMUNE ALMA PROSESİ</b></p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p><b>BETON YAYILMA TESTİ YAPILMASI KABUL KRİTERİ 70-75 CM ARALIĞINDA</b></p>  </div> <div style="width: 45%;"> <p><b>BETON SICAKLIK KONTROLÜ 13,5-35 DERECE ARASINDA OLMALI</b></p>  </div> <div style="width: 45%;">  </div> </div> <div style="text-align: right; margin-top: 20px;">  <p><b>tima</b> Mühendislik Müşavirlik Proje Yönetim Hizmetleri A.Ş.</p> </div>
10.30	10.45	Provision of Information on Energy Efficiency
		Information was provided on energy efficiency studies and implementation processes.




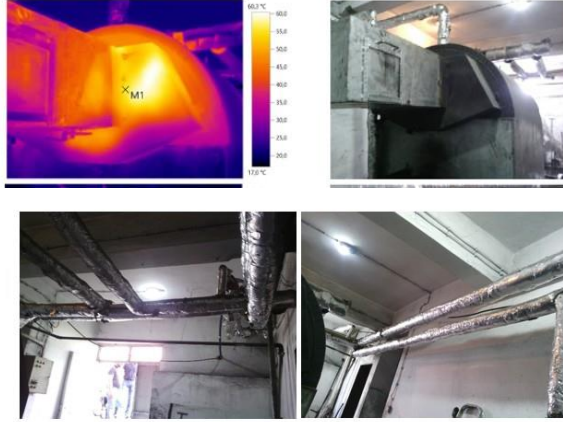



	<div data-bbox="411 197 686 264"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="829 210 1037 250"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1177 197 1321 264"><p>KADEV KATILIMCI VE YATIRIMCI KURULUŞU</p></div> <div data-bbox="702 398 1040 448" data-label="Section-Header"><h2>Enerji Verimliliği</h2></div> <div data-bbox="1013 817 1204 878"><p>tima Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1225 817 1332 862"><p>OBS DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
	<div data-bbox="411 900 686 967"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="849 913 1056 954"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1200 900 1343 967"><p>KADEV KATILIMCI VE YATIRIMCI KURULUŞU</p></div> <div data-bbox="462 1057 1165 1088" data-label="Section-Header"><h3>Nazımiye Hükümet Konağı Binasında Enerji Verimliliği Etüt Çalışması:</h3></div> <div data-bbox="462 1086 1201 1149" data-label="Text"><p>Binada gerçekleştirilen detaylı etüt çalışmaları ile binaların <b>enerji tasarruf potansiyellerinin tespit edilmesi</b> amaçlanmıştır.</p></div> <div data-bbox="462 1144 1297 1234" data-label="Text"><p>Çalışma kapsamında, <b>enerji verimliliğinin artırılmasına yönelik teknik ve işletmesel önlemler</b> belirlenmiş, elde edilecek kazanımların <b>kamuoyuna duyurulması</b> hedeflenmiştir.</p></div> <div data-bbox="462 1261 956 1292" data-label="Section-Header"><h3>Etüt Çalışması Sonunda Hedeflenen Kazanımlar:</h3></div> <div data-bbox="462 1290 1342 1406" data-label="Text"><p>Konfor ve hizmet kalitesinden ödün vermeden <b>yakıt ve elektrik tüketiminin azaltılması</b>, <b>CO<sub>2</sub> emisyonlarının düşürülmesi</b>, Bina faydalanıcılarının <b>iç ortam konfor şartlarının iyileştirilmesi</b>, Kamu sektöründe <b>enerji verimliliği farkındalığının artırılması</b>.</p></div> <div data-bbox="1034 1529 1228 1588"><p>tima Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1248 1529 1356 1574"><p>OBS DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>

		<div data-bbox="427 208 502 286"></div> <div data-bbox="502 219 703 275"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="849 226 1059 271"></div> <div data-bbox="1201 215 1350 286"></div> <div data-bbox="715 271 1005 304" data-label="Section-Header"><h3>Enerji Verimliliği Çalışmaları</h3></div> <div data-bbox="464 318 1366 378" data-label="List-Group"><ul style="list-style-type: none"><li>• Binaların mevcut durumlarının tespitlerinin yapılması için mimarj mekanik ve elektrik disiplinleri tarafından ayrı ayrı saha ziyaretleri yapılmaktadır.</li></ul></div> <div data-bbox="481 400 841 719" data-label="Image"></div> <div data-bbox="951 400 1270 730" data-label="Image"></div> <div data-bbox="1034 840 1235 900" data-label="Text"><p><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1249 840 1362 891" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
		<div data-bbox="427 931 502 1010"></div> <div data-bbox="502 943 703 999"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="849 949 1059 994"></div> <div data-bbox="1201 938 1350 1010"></div> <div data-bbox="710 994 1000 1028" data-label="Section-Header"><h3>Enerji Verimliliği Çalışmaları</h3></div> <div data-bbox="464 1041 1318 1102" data-label="List-Group"><ul style="list-style-type: none"><li>• Binaların mevcut durum tespitleri yapılarak, binaların mevcut durumlarını yansıtan rölöve projeleri hazırlanmaktadır.</li></ul></div> <div data-bbox="416 1146 1366 1411" data-label="Image"></div> <div data-bbox="1029 1554 1224 1617" data-label="Text"><p><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1238 1554 1351 1608" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>

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	<div data-bbox="427 208 703 286" data-label="Image"></div> <div data-bbox="849 226 1062 271" data-label="Image"></div> <div data-bbox="1203 208 1353 286" data-label="Image"></div> <div data-bbox="715 271 1007 304" data-label="Section-Header"><h3>Enerji Verimliliği Çalışmaları</h3></div> <div data-bbox="464 315 1347 376" data-label="List-Group"><ul style="list-style-type: none"><li>• Özellikle enerji tasarrufu sağlanabilecek tüm alanlarda gerekli incelemeler yapılarak veriler toplanmaktadır.</li></ul></div> <div data-bbox="456 378 834 790" data-label="Image"></div> <div data-bbox="863 378 1305 790" data-label="Image"></div> <div data-bbox="1034 840 1235 900" data-label="Image"></div> <div data-bbox="1251 840 1362 891" data-label="Image"></div>
	<div data-bbox="427 931 703 1010" data-label="Image"></div> <div data-bbox="849 949 1062 994" data-label="Image"></div> <div data-bbox="1203 931 1353 1010" data-label="Image"></div> <div data-bbox="715 994 1007 1028" data-label="Section-Header"><h3>Enerji Verimliliği Çalışmaları</h3></div> <div data-bbox="464 1039 1137 1077" data-label="List-Group"><ul style="list-style-type: none"><li>• Bina kabuğunda incelemeler yapılmakta, ölçümler alınmaktadır.</li></ul></div> <div data-bbox="456 1102 834 1514" data-label="Image"></div> <div data-bbox="871 1137 1342 1469" data-label="Image"></div> <div data-bbox="1034 1561 1235 1624" data-label="Image"></div> <div data-bbox="1251 1561 1362 1612" data-label="Image"></div>


		<div data-bbox="427 208 703 282"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="849 226 1061 264"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 215 1350 282"><p>KADEV KURUMSAL VE ENERJİ VERİMLİLİĞİ</p></div> <div data-bbox="715 271 1005 302" data-label="Section-Header"><h3>Enerji Verimliliği Çalışmaları</h3></div> <div data-bbox="464 318 1136 349" data-label="List-Group"><ul style="list-style-type: none"><li>• Bina kabuğunda incelemeler yapılmakta, ölçümler alınmaktadır.</li></ul></div> <div data-bbox="619 367 1075 797" data-label="Image"><p>Three thermal images on the left show heat loss through a building facade, with a color scale from 14.1°C to 24.1°C. Three photographs on the right show the corresponding physical building facade areas.</p></div> <div data-bbox="1034 840 1235 898" data-label="Text"><p><b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1249 840 1362 891" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
		<div data-bbox="427 931 703 1005"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="849 949 1061 987"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 938 1350 1005"><p>KADEV KURUMSAL VE ENERJİ VERİMLİLİĞİ</p></div> <div data-bbox="715 994 1005 1025" data-label="Section-Header"><h3>Enerji Verimliliği Çalışmaları</h3></div> <div data-bbox="464 1041 1150 1075" data-label="List-Group"><ul style="list-style-type: none"><li>• Sahada enerji tüketen sistemler üzerinde incelemeler yapılmıştır</li></ul></div> <div data-bbox="513 1086 1197 1512" data-label="Image"><p>Top left: Photograph of a mechanical system with pipes and valves. Top right: Close-up of a technical label for a device with specifications: Model: RM80-160-146, Serial: B7106834, Güç: 1.5, Ölçü: 6, Çap: 35, Fiyat: 146. Bottom left: Thermal image of the same system with a color scale from 22.4°C to 47.4°C. Bottom right: Photograph of another mechanical system with pipes and valves.</p></div> <div data-bbox="1034 1561 1235 1624" data-label="Text"><p><b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1249 1561 1362 1612" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>











		<div data-bbox="427 206 703 280"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="850 224 1059 264"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 210 1350 280"><p>KADEV KURUMSAL VE ENERJİ VERİMLİLİĞİ</p></div> <div data-bbox="716 271 1003 300" data-label="Section-Header"><h3>Enerji Verimliliği Çalışmaları</h3></div> <div data-bbox="464 318 1149 344" data-label="List-Group"><ul style="list-style-type: none"><li>Sahada enerji tüketen sistemler üzerinde incelemeler yapılmıştır</li></ul></div> <div data-bbox="563 360 1129 779" data-label="Image"></div> <div data-bbox="1034 837 1230 898" data-label="Text"><p><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1249 837 1361 891" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
		<div data-bbox="427 934 703 1008"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="850 952 1059 992"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 938 1350 1008"><p>KADEV KURUMSAL VE ENERJİ VERİMLİLİĞİ</p></div> <div data-bbox="716 999 994 1028" data-label="Section-Header"><h3>Enerji Verimliliği Önlemleri</h3></div> <div data-bbox="450 1070 1313 1131" data-label="Text"><p>Enerji etüt çalışmaları sonucunda kampüs alanında bulunan tüm binalar için aşağıdaki enerji verimlilik önlemleri belirlenmiştir.</p></div> <div data-bbox="499 1158 1289 1393" data-label="List-Group"><ul style="list-style-type: none"><li>Bina kabuğu ve çatı arasına ısı yalıtımı yapılması</li><li>Camların 4+16+4 mm boşluklu kaplamalı cam ile değişimi</li><li>Tesisat ekipmanlarının vana ceketi ile yalıtılması</li><li>Pompaların frekans invertörlü pompalar ile değişimi</li><li>İç mekân verimsiz aydınlatma armatürlerinin LED aydınlatma armatürleri ile değiştirilmesi</li><li>Enerji ölçüm izleme sisteminin kurulması</li><li>26 KW kurulu güce sahip çatı tipi GES kurulumu</li></ul></div> <div data-bbox="1034 1563 1230 1624" data-label="Text"><p><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1249 1563 1361 1617" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>











	<div data-bbox="427 208 502 286"></div> <div data-bbox="502 219 703 275"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="849 226 1059 271"></div> <div data-bbox="1203 215 1350 286"></div> <div data-bbox="544 280 1214 320" data-label="Section-Header"><h3>Bina Kabuğu Ve Çatı Arasına Isı Yalıtımı Yapılması</h3></div> <div data-bbox="448 398 922 750"></div> <div data-bbox="963 479 1340 683"></div> <div data-bbox="1034 840 1235 900" data-label="Text"><p><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1251 840 1362 891" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
	<div data-bbox="427 936 502 1014"></div> <div data-bbox="502 947 703 1003"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="849 954 1059 999"></div> <div data-bbox="1203 943 1350 1014"></div> <div data-bbox="566 1023 1235 1064" data-label="Section-Header"><h3>Tesisat Ekipmanlarının Vana Ceketleri ile Yalıtılması</h3></div> <div data-bbox="574 1077 662 1111" data-label="Text"><p><b>ÖNCESİ</b></p></div> <div data-bbox="419 1128 879 1433"></div> <div data-bbox="1059 1077 1166 1111" data-label="Text"><p><b>SONRASI</b></p></div> <div data-bbox="903 1128 1362 1433"></div> <div data-bbox="1034 1563 1235 1626" data-label="Text"><p><b>timA</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1251 1563 1362 1615" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>











	<div data-bbox="427 208 703 282" data-label="Image"></div> <div data-bbox="849 226 1059 268" data-label="Image"></div> <div data-bbox="1206 208 1350 282" data-label="Image"></div> <div data-bbox="544 280 1264 320" data-label="Section-Header"><h3>Pompaların Frekans invertörlü pompalar ile değişimi</h3></div> <div data-bbox="576 398 662 430" data-label="Text"><p><b>ÖNCESİ</b></p></div> <div data-bbox="432 456 861 766" data-label="Image"></div> <div data-bbox="1061 398 1166 430" data-label="Text"><p><b>SONRASI</b></p></div> <div data-bbox="911 456 1347 766" data-label="Image"></div> <div data-bbox="1034 837 1233 898" data-label="Image"></div> <div data-bbox="1251 837 1361 891" data-label="Image"></div>
	<div data-bbox="427 931 703 1005" data-label="Image"></div> <div data-bbox="849 949 1059 992" data-label="Image"></div> <div data-bbox="1206 931 1350 1005" data-label="Image"></div> <div data-bbox="440 1039 1370 1120" data-label="Section-Header"><h3>Verimsiz Aydınlatma Armatürlerinin LED Aydınlatma Armatürleri İle Değiştirilmesi</h3></div> <div data-bbox="592 1126 678 1158" data-label="Text"><p><b>ÖNCESİ</b></p></div> <div data-bbox="443 1173 882 1503" data-label="Image"></div> <div data-bbox="1077 1126 1182 1158" data-label="Text"><p><b>SONRASI</b></p></div> <div data-bbox="914 1173 1356 1503" data-label="Image"></div> <div data-bbox="1034 1561 1233 1624" data-label="Image"></div> <div data-bbox="1251 1561 1361 1615" data-label="Image"></div>

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

		<div style="text-align: center;"><p><b>GES Kurulumu</b></p><p><b>ÖNCESİ</b> <b>SONRASI</b></p><div style="display: flex; justify-content: space-around;"></div><hr/><div style="text-align: right;"><p>Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş. DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div></div>
10.45	10.55	Enviromental and Social Management Information Provision
		<p>Information was provided on the environmental and social management considerations to be taken into account during the construction works. Information was provided on different types of waste. Explanations were given regarding the project's impacts on soil, water, and air quality.</p>
		<div style="text-align: center;"><p><b>Çevresel ve Sosyal Yönetim Planı (ÇSYP)</b></p><hr/><div style="text-align: right;"><p>Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş. DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div></div>

		<div data-bbox="427 208 703 282"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="850 226 1059 271"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 208 1350 282"><p>KADEV KURUMSAL DEĞERLER KURUMSAL DEĞERLER KURUMSAL DEĞERLER</p></div> <div data-bbox="772 304 1048 331"><h3>Çevresel Yönetim Kapsamı</h3></div> <div data-bbox="450 374 1351 548"><p><b>Çevresel ve Sosyal Yönetim Planı (ÇSYP);</b> Tunceli Nazımiye Hükümet Konağı için proje kapsamında gerçekleştirilecek yapısal güçlendirme ve enerji verimliliği odaklı iyileştirme çalışmaları hakkında bilgi vermekte olup, söz konusu çalışmaların, yenileme faaliyetlerinin neden olabileceği olası olumsuz çevresel ve sosyal etkilerin kabul edilebilir düzeyde tutulabilmesi ve/veya ortadan kaldırılabilmesi için alınması gereken önlemleri içermektedir.</p></div> <div data-bbox="1035 840 1361 898"><p>Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p><p>DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
		<div data-bbox="427 931 703 1005"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="850 949 1059 994"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 931 1350 1005"><p>KADEV KURUMSAL DEĞERLER KURUMSAL DEĞERLER KURUMSAL DEĞERLER</p></div> <div data-bbox="700 1023 1091 1055"><h3>Çevresel ve Sosyal Yönetim Kapsamı</h3></div> <div data-bbox="450 1070 1319 1167"><ul style="list-style-type: none"><li>Faz I aşamasında hazırlanan, Çevresel ve Sosyal Yönetim Planı'nın Faz-2 aşamasında sahada yüklenici tarafından uygulanmasının denetlenmesi gerçekleştirilecektir.</li><li>Proje yapım faaliyetleri sırasında oluşabilecek olası olumsuz sosyal ve çevresel etkilerin alınan tedbirlerle minimize edilmesi de bu Plan kapsamında ele alınacaktır.</li></ul></div> <div data-bbox="450 1167 841 1193"><p><b>Olası olumsuz etkiler şu şekilde özetlenebilir:</b></p></div> <div data-bbox="450 1191 1323 1458"><ul style="list-style-type: none"><li><b>Atık oluşumu :</b> Çeşitli atık akışları ile uygun olmayan atık yönetiminden dolayı olası olumsuz çevresel etkiler ve sağlık etkileri meydana gelebilir (uygun olmayan atık yönetimi, suda ve toprakta doğrudan ve dolaylı kirlilik oluşturabilir ve hava kalitesini etkileyebilir)</li><li><b>Gürültü :</b> İşçilerin şantiyede bulunması, tadilat/İNŞAAT işleri ve ulaşım araçlarının hareketleri, gürültü ve titreşim seviyesini artıracaktır.</li><li><b>Hava Kalitesi/Emisyon :</b> İnşaat faaliyetleri sırasında oluşabilecek toz ve kamyon emisyonları hava kalitesini etkileyebilecektir.</li><li><b>Su kalitesi :</b> İnşaat alanında oluşan atıksu/atıkların kontrolsüz bertarafı su kalitesini etkileyebilecektir.</li><li><b>Toprak kalitesi :</b> Tehlikeli madde ve atıkların toprağa karışması toprakta olumsuz etkilere sebep olabilir.</li><li><b>Toplum Sağlığı ve Güvenliği/Trafik ve Yaya Güvenliği</b></li></ul></div> <div data-bbox="1035 1561 1361 1624"><p>Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p><p>DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>

		<div data-bbox="427 208 703 282"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="850 226 1059 271"><p>THE WORLD BANK IBRD - IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 208 1350 282"><p>KADEV KURUMSAL DEĞERLER KURUMSAL DEĞERLER KURUMSAL DEĞERLER</p></div> <div data-bbox="659 280 1096 309" data-label="Section-Header"><h3>Olumsuz Etkileri Azaltıcı/Giderici Önlemler</h3></div> <div data-bbox="823 340 968 367" data-label="Section-Header"><h4>Atık Yönetimi</h4></div> <div data-bbox="557 374 673 400" data-label="Section-Header"><h5>Atık Türleri:</h5></div> <div data-bbox="557 405 825 586" data-label="List-Group"><ul style="list-style-type: none"><li>• İnşaat ve Hafriyat Atıkları</li><li>• Atık Piller ve Aküler</li><li>• Tehlikeli Atıklar</li><li>• Güneş Panelleri</li><li>• Evsel Nitelikli Atıklar</li><li>• Asbest</li></ul></div> <div data-bbox="557 591 659 618" data-label="Section-Header"><h5>Önlemler:</h5></div> <div data-bbox="557 620 1244 788" data-label="List-Group"><ul style="list-style-type: none"><li>• Atıkların kaynağında azaltımı sağlanacak ve bu kapsamda çalışanlara eğitimler verilecektir.</li><li>• Atıkların geri kazanımı esastır. Atık türleri ayrı olarak toplanacak, depolanacak ve Lisanslı firmalar aracılığıyla ve ulusal mevzuat gereklilikleri doğrultusunda geri kazanımı/bertarafı sağlanacaktır.</li><li>• Toplanan, depolanan veya sevk edilen atıklara ilişkin kayıtlar tutulacaktır.</li></ul></div> <div data-bbox="1034 840 1233 898" data-label="Text"><p> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1249 840 1361 891" data-label="Text"><p> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
		<div data-bbox="427 931 703 1005"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="850 949 1059 994"><p>THE WORLD BANK IBRD - IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 931 1350 1005"><p>KADEV KURUMSAL DEĞERLER KURUMSAL DEĞERLER KURUMSAL DEĞERLER</p></div> <div data-bbox="804 1028 949 1057" data-label="Section-Header"><h4>Atık Yönetimi</h4></div> <div data-bbox="450 1072 622 1102" data-label="Section-Header"><h5>Tehlikeli Atıklar;</h5></div> <div data-bbox="450 1102 1351 1478" data-label="List-Group"><ul style="list-style-type: none"><li>• Tehlikeli atıkların yönetimi, Atık Yönetimi Yönetmeliği uyarınca gerçekleştirilecektir.</li><li>• Proje sahasında boya kutuları ve floresanlar gibi tehlikeli atıkların geçici olarak depolanması durumunda atıklar; sağlam, sızdırmaz, emniyetli ve uluslararası kabul görmüş standartlara uygun konteynerlerde ve proje alanı içerisinde muhafaza edilecek, konteynerlerin üzerinde tehlikeli atık ibaresine yer verilecek ve depolanan maddenin atık kodu, miktarı, içeriği, özellikleri, koruma koşulları ve depolama tarihi konteynerler üzerinde belirtilecektir. Tehlikeli maddeler azami 6 ay geçici olarak depolanabilir. Zararlı maddelerin saklandığı konteynerler ve atık yağlar toprak kalitesini korumak amacıyla toprağa dökülme ve sızıntıyı önlemek için sızdırmaz beton alanlara yerleştirilecektir. Geçici depolama alanlarının yer seçiminde üniversite yetkililerinin onayı alınacaktır.</li><li>• Zehirli içeriğe sahip boyalar, eritici madde (solvent) ya da kurşun bazlı kimyasallar kullanılmayacaktır.</li></ul></div> <div data-bbox="1034 1561 1233 1624" data-label="Text"><p> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1249 1561 1361 1615" data-label="Text"><p> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>

		<div data-bbox="427 208 703 282"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="850 226 1059 268"><p>THE WORLD BANK IBRD - IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 208 1350 282"><p>KADEV KURUMSAL DEĞERLER KURUMSAL DEĞERLER KURUMSAL DEĞERLER</p></div> <div data-bbox="805 302 949 327"><h3>Atık Yönetimi</h3></div> <div data-bbox="451 344 592 374"><p><b>Evsel Atıklar;</b></p></div> <div data-bbox="451 374 1351 463"><p>•Oluşacak evsel nitelikli atıklar kaynağında ayrıştırılacak (plastik, cam, kağıt, vb.) ve değerlendirilebilir olanların geri dönüşümü sağlanacaktır. Atıkların uygun biçimde ayrıştırılması için çalışanlara eğitim verilecektir.</p></div> <div data-bbox="451 461 1351 548"><p>•Geri kazanımı mümkün olmayan atıklar, ağzı kapalı sıhhi çöp bidonlarında biriktirilecek, yetkili Belediyenin katı atık toplama sistemi aracılığıyla düzenli depolama sahalarına gönderilecektir.</p></div> <div data-bbox="451 548 632 577"><p><b>Ambalaj Atıkları;</b></p></div> <div data-bbox="451 577 1351 665"><p>•Kontamine olmamış geri dönüştürülebilir atıkların (plastik, cam, kağıt, vb.) geri dönüşümü sağlanacaktır. Atıkların uygun biçimde ayrıştırılması için çalışanlara eğitim verilecektir.</p></div> <div data-bbox="451 665 1351 721"><p>•Tehlikeli maddeler ile kontamine olmuş ambalaj atıklarının tamamı, tehlikeli atık statüsünde değerlendirilecektir.</p></div> <div data-bbox="1034 840 1233 898"><p>tima Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1249 840 1361 891"><p>OBS DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
		<div data-bbox="427 931 703 1005"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="850 949 1059 992"><p>THE WORLD BANK IBRD - IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 931 1350 1005"><p>KADEV KURUMSAL DEĞERLER KURUMSAL DEĞERLER KURUMSAL DEĞERLER</p></div> <div data-bbox="676 1061 1145 1088"><h3>Gürültü Yönetimi ve Hava Kalitesinin Kontrolü</h3></div> <div data-bbox="485 1135 1356 1281"><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></div> <div data-bbox="485 1310 928 1339"><p>Projenin uygulanması aşamasında Yüklenici;</p></div> <div data-bbox="485 1339 1356 1426"><p>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 Proje Uygulama Birimi (PUB) tarafından onaylanacaktır.</p></div> <div data-bbox="1034 1561 1233 1621"><p>tima Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1249 1561 1361 1612"><p>OBS DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>

		<div style="display: flex; justify-content: space-between;"><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 KURUMSAL DEĞERLER KURUMSAL YATIRIM KURUMSAL YATIRIM</p></div></div> <p><b>Bunların yanı sıra:</b></p> <ul style="list-style-type: none"><li>▪ Şikayet mekanizmasının takibi / yönetimi</li><li>▪ Broşürlerin dağıtımının yönetilmesi</li><li>▪ Aylık Raporlama</li></ul> <p>konuları da ÇSYP kapsamındadır.</p> <hr/> <div style="display: flex; justify-content: flex-end;"><div><p>tima Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div><div><p>OBS DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div></div>
		<div style="display: flex; justify-content: space-between;"><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 KURUMSAL DEĞERLER KURUMSAL YATIRIM KURUMSAL YATIRIM</p></div></div> <p><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></ul> <hr/> <div style="display: flex; justify-content: flex-end;"><div><p>tima Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div><div><p>OBS DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div></div>
10.55	11.05	<b>Provision of information on Social Management</b>
		<p>The scope of stakeholders within the project was explained. The functioning of the grievance mechanism was explained, and information was provided on the available grievance channels. The content of the training programs to be delivered to employees was outlined. The project's focus on issues related to sexual violence, sexual harassment, and sexual exploitation and abuse, as well as the functioning of the relevant mechanisms, was explained.</p>



## Sosyal Yönetim



- 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.





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



#### 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 kanallar vasıtası ile iletebilirsiniz;

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

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

Telefon 0312 586 48 58

Destek Hattı Alo 181



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YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ



#### Sosyal Yönetim / Öneri ve Şikayet Mekanizması

Şikayet kutusu Hükümet Konağı binasına  
yerleştirilmiş olup paydaşların kullanımına açıktır.



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ÇÖZÜMLERİ

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

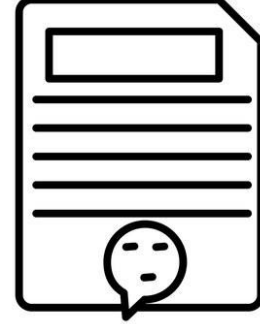


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YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ



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.



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İKLİM DEĞİŞİKLİĞİ BAKANLIĞI  
YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ



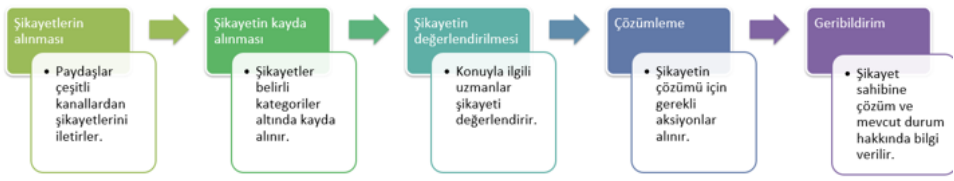
Sosyal Yönetim / Öneri ve Şikayet Mekanizması











ŞİKAYET VE ÖNERİ FORMU*	
Referans No	
Yanıt Adı (İsim ve iletişim bilgilerinin paylaşılması zorunda olmamakla birlikte, şikayetçiyi bilgilendirmek için ilgili geri bildirim sürecinde bilgi akışlığı nedeniyle bazı soruların ortaya çıkabileceği anlaşılmamaktadır.)	
Lütfen şikayet/öneri/şikayetinize ilişkin olarak sizde nasıl iletişim kurulmasını istediğinizi belirtin	E-posta (ilginç e-posta adresinizi belirtiniz) E- Telefon (ilginç sizde iletişim kurulmasını istediğiniz telefon numarasını belirtiniz) ( ) Posta (ilginç sizde iletişim kurulmasını istediğiniz posta adresinizi belirtiniz)
İlçe/Mahalle	
Tarih	
Şikayet Kategorisi	
1. Proje ile etkilenen varlıklar / emlakler hakkında	

2. Altyapıda oluşan kesintiler (elektrik, su, internet, doğal gaz kesintisi)	
3. Geliş kaynaklarının azalması veya tamamen kaybedilmesi durumu (Kerem vs.)	
4. İnşaatın kaynaklı (Yüklenici kaynaklı)	
5. Çevre ile ilgili konular (Çöp, ses, yağlı zemin, vs.)	
6. Sağlık ve Güvenlik tehlikesi (Güvenlik inşaat faaliyetleri)	
7. Trafik, ulaşım ve diğer riskler hakkında	
8. Diğer (Lütfen belirtin):	
Şikayetin Yorumu (Ne oldu? Ne zaman oldu? Nerede oldu? Sorunun sonucu nedir?)	
Sorunun çözümlenmesi konusunda ne tür aksiyonlar alınmasını bekliyorsunuz?	
İsim:	Bilgi:






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	<div data-bbox="422 197 1348 280" data-label="Complex-Block"><p> <b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI</b> YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p><p> <b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</p><p> <b>KADEV</b> KAMU BİNALARINDA DEPREM DAYANIMI VE ENERJİ VERİMLİLİĞİ PROJESİ (KADEV)</p></div> <div data-bbox="630 264 1117 295" data-label="Section-Header"><p><b>Sosyal Yönetim / Öneri ve Şikayet Mekanizması</b></p></div> <div data-bbox="414 309 877 801" data-label="List-Group"><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 data-bbox="949 313 1348 784" data-label="Form"><p>Şikayet / Öneri Formu</p><p>KAMU BİNALARINDA DEPREM DAYANIMI VE ENERJİ VERİMLİLİĞİ PROJESİ (KADEV)</p><p>ŞİKAYET / ÖNERİ FORMU</p><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI</p><p>YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p><p>TT Formu Numarası:</p><p>Adı:</p><p>Soyadı:</p><p>E*:</p><p>Doğum Tarihi:</p><p>Bölge*:</p><p>İletişim*:</p><p>Nezihet Numarası:</p><p>Nezihet Adı:</p><p>Proje:</p><p>Statü:</p></div> <div data-bbox="1037 828 1356 896" data-label="Complex-Block"><p> <b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p><p> <b>OBS</b> DEPREM MÜHENDİSLİĞİ</p></div> <div data-bbox="422 913 1348 996" data-label="Complex-Block"><p> <b>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI</b> YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p><p> <b>THE WORLD BANK</b> IBRD • IDA   WORLD BANK GROUP</p><p> <b>KADEV</b> KAMU BİNALARINDA DEPREM DAYANIMI VE ENERJİ VERİMLİLİĞİ PROJESİ (KADEV)</p></div> <div data-bbox="630 981 1117 1012" data-label="Section-Header"><p><b>Sosyal Yönetim / Öneri ve Şikayet Mekanizması</b></p></div> <div data-bbox="414 1153 1372 1332" data-label="Diagram"><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><p>Şikayetlerin alınması</p><ul style="list-style-type: none"><li>• Paydaşlar çeşitli kanallardan şikayetlerini iletirler.</li></ul><p>Şikayetin kayda alınması</p><ul style="list-style-type: none"><li>• Şikayetler belirli kategoriler altında kayda alınır.</li></ul><p>Şikayetin değerlendirilmesi</p><ul style="list-style-type: none"><li>• Konuyla ilgili uzmanlar şikayeti değerlendirir.</li></ul><p>Çözümleme</p><ul style="list-style-type: none"><li>• Şikayetin çözümü için gerekli aksiyonlar alınır.</li></ul><p>Geribildirim</p><ul style="list-style-type: none"><li>• Şikayet sahibine çözüm ve mevcut durum hakkında bilgi verilir.</li></ul></div> <div data-bbox="1037 1545 1356 1612" data-label="Complex-Block"><p> <b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p><p> <b>OBS</b> DEPREM MÜHENDİSLİĞİ</p></div>	
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		<div data-bbox="427 208 703 282"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="849 226 1059 271"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 212 1350 282"><p>KADEV KURUMSAL DEĞERLERİNİN YATIRILMASI VE YENİLENEREK YATIRILMASI</p></div> <div data-bbox="715 273 984 302" data-label="Section-Header"><h3>Sosyal Yönetim / Anketler</h3></div> <div data-bbox="462 311 798 470" data-label="Text"><p>Yapım süreci öncesi, sırası ve sonrasında yapılacak anket çalışmaları projenin toplumsal etkilerinin izlenebilmesi için önemlidir.</p></div> <div data-bbox="462 472 812 535" data-label="Text"><p>Toplamda yapılacak üç anket şu şekildedir:</p></div> <div data-bbox="462 535 855 759" data-label="List-Group"><ul style="list-style-type: none"><li>• Güçlendirme Öncesi farkındalık anketi</li><li>• Paydaş katılım toplantıları sırasında yapılacak memnuniyet anketi</li><li>• Güçlendirme işi sonrası memnuniyet anketi</li></ul></div> <div data-bbox="932 311 1337 486" data-label="Text"><p>Paydaşların anketleri doldurması, projenin toplum üzerindeki etkilerini daha iyi anlayabilmemiz ve gelecekteki çalışmalarımızı bu geri bildirimlere göre şekillendirmemiz açısından büyük önem taşımaktadır.</p></div> <div data-bbox="932 512 1295 629" data-label="Text"><p><b><i>Katılımınız, projenin başarısını artırmak ve ihtiyaçlarınızı daha iyi karşılamak adına kritik bir rol oynayacaktır.</i></b></p></div> <div data-bbox="1034 840 1233 900" data-label="Text"><p> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1249 840 1361 900" data-label="Text"><p> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div> <div data-bbox="427 934 703 1008"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="849 952 1059 996"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1201 938 1350 1008"><p>KADEV KURUMSAL DEĞERLERİNİN YATIRILMASI VE YENİLENEREK YATIRILMASI</p></div> <div data-bbox="756 1005 1029 1037" data-label="Section-Header"><h3>Sosyal Yönetim / Eğitimler</h3></div> <div data-bbox="470 1164 761 1196" data-label="Section-Header"><h4><i>Şikayet Mekanizması Eğitimi</i></h4></div> <div data-bbox="470 1225 804 1397" data-label="Text"><p>Bu eğitim, şikayetleri toplayacak ekibin şikayet alma, kaydetme, değerlendirme ve geri bildirim süreçlerinde etkin olmasını sağlamak için gerekli bilgi ve becerileri kazandırmayı hedefler.</p></div> <div data-bbox="957 1046 1292 1077" data-label="Section-Header"><h4><i>Cinsiyet Temelli Şiddet Eğitimleri</i></h4></div> <div data-bbox="957 1104 1324 1451" data-label="Text"><p>Toplumsal cinsiyet eşitliğini desteklemek ve cinsiyet temelli şiddeti önlemek amacıyla yükleniciye özel bir eğitim verilecektir. Bu eğitim, katılımcılara</p><ul style="list-style-type: none"><li>• cinsiyet temelli şiddetin tanımı,</li><li>• etkileri,</li><li>• önleme stratejileri</li></ul><p>hakkında bilgi sunarak farkındalığı artırmayı ve bu tür şiddetle mücadele etme yetkinliklerini geliştirmeyi amaçlamaktadır.</p></div> <div data-bbox="1034 1561 1233 1621" data-label="Text"><p> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1249 1561 1361 1621" data-label="Text"><p> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
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		<div style="text-align: center;">  <p><b>Paydaş Bilgilendirme Toplantısı Değerlendirme Anketi</b></p> <p>Katılımcıların geri bildirimlerini toplamak amacıyla düzenlenen bu anket, toplantının etkinliğini değerlendirmek, paydaşların memnuniyetini ölçmek ve gelecekteki toplantılar için iyileştirme alanlarını belirlemek amacıyla hazırlanmıştır.</p> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="width: 45%;">  </div> <div style="width: 45%;">  </div> </div> <hr style="border: 1px solid orange; margin: 20px 0;"/> <div style="text-align: center; margin-bottom: 20px;">  <p>Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.      DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p> </div> <div style="text-align: center;">  <p><b>Broşür ve Afiş Çalışmaları</b></p> </div> <div style="text-align: center; margin-bottom: 20px;">  </div> <div style="text-align: center; margin-bottom: 20px;">  <p>Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.      DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p> </div>
11.05	11.15	<p><b>Provision of Information on Occupational Health and Safety</b></p>
		<p>Key Occupational Health and Safety (OHS) issues within the project were presented.</p> <p>Information was provided on the traffic management plan to be implemented during construction and the related OHS measures.</p> <p>Information was provided on individuals who may be affected by risks and hazards on and off the construction site, emergency situations, and the standards to be followed.</p> <p>The Occupational Health and Safety organizational chart and the Traffic Management Plan were explained.</p>

	<div data-bbox="427 206 1353 280" style="text-align: center;"></div> <div data-bbox="785 304 1007 336" style="text-align: center;"><b>İş Sağlığı ve Güvenliği</b></div> <div data-bbox="469 353 1300 519" style="text-align: center;"><p>FAZ-2, Yapım Kontrolü Danışmanlık Hizmetleri</p></div> <div data-bbox="513 577 1356 694" style="text-align: center;"><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> <hr/> <div data-bbox="1037 840 1364 896" style="text-align: right;"></div> <div data-bbox="427 929 1353 1003" style="text-align: center;"></div> <div data-bbox="678 1003 1117 1037" style="text-align: center;"><b>İş Sağlığı ve Güvenliği Planı-Temel Kabuller</b></div> <div data-bbox="434 1039 1267 1491" style="text-align: center;"><ul style="list-style-type: none"><li>• İş Sağlığı ve Güvenliği Planı, <b>ulusal mevzuata uygun ve Dünya Bankası standartlarıyla uyumlu</b> olarak hazırlanmıştır.</li><li>• İnşaat faaliyetlerine başlanmadan önce <b>gerekli tüm yasal izinler</b> alınacaktır.</li><li>• Yapım sürecinde oluşabilecek <b>riskler belirlenmiş</b>, bu risklere yönelik <b>önleyici tedbirler</b> plan kapsamında tanımlanmıştır.</li><li>• Çalışma koşullarında oluşabilecek değişikliklere bağlı olarak, <b>riskler ve alınacak önlemler düzenli olarak gözden geçirilecektir</b>.</li><li>• Yapım faaliyetleri boyunca, <b>düzenli saha kontrolleri</b> ile planın uygulanması ve etkinliği izlenecektir.</li><li>• Plan, yalnızca şantiye çalışanlarını değil; <b>çevrede bulunan ve çalışmalardan etkilenebilecek tüm paydaşları</b> kapsayacak şekilde ele alınmıştır.</li><li>• İnşaat sahası içerisindeki mevcut yapıların yıkım ve taşınmasına ilişkin <b>gerekli güvenlik önlemleri ilgili kurum tarafından sağlanacaktır</b>.</li></ul></div> <div data-bbox="1037 1563 1364 1619" style="text-align: right;"></div>
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**Structural Assessment, Energy Audit, Structural-Energy Retrofit Design and Construction Supervision  
Consultancy Services for the Nazımiye Government Buildings  
(WB/CS-DESSUP-05)**



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



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**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 (Yüksekte Çalışma vb.)
- Görevle İlgili Eğitimler
  - Destek Elemanı
  - Çalışan Temsilcisi

**Sertifika zorunluluğu olan Eğitimler**


**Sertifikalı Eğitimler**

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



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**MESLEKİ YETERLİLİK BELGESİ zorunluluğu olan aşağıdaki mesleklere 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			



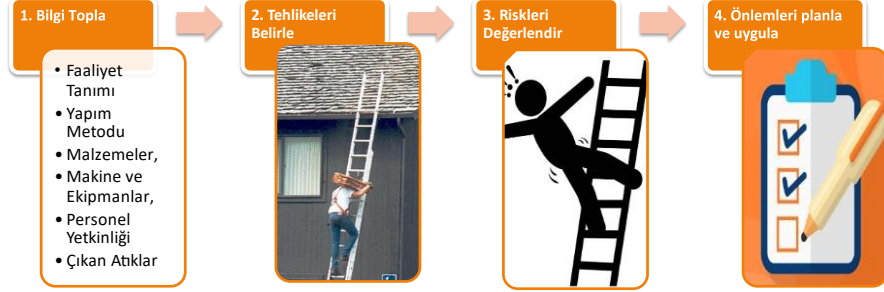



T.C. ÇEVRE, ŞEHİRCİLİK VE  
İKLİM DEĞİŞİKLİĞİ BAKANLIĞI  
YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ



### Tehlike Tanımlama ve Risk Değerlendirmesi

Sahada yürütülecek faaliyetler başlamadan **önce Tehlikeler belirlenir, Riskler Değerlendirilir, risklere göre alınması gereken önlemler belirlenir ve uygulanır**



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DEPREM MÜHENDİSLİĞİ  
ÇÖZÜMLERİ



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













### Şantiye Sahasına Giriş-Çıkışlar, Ziyaretçiler

- Şantiye sahasına, görevi olmayan kişilerin girişi yasaktır; giriş-çıkışlar kontrollü şekilde sağlanacaktır.
- Şantiye alanı, çevre ile teması kesilecek şekilde fiziki olarak sınırlandırılacak ve uyarı levhaları yerleştirilecektir.
- Ziyaretçiler, şantiye sahasına izin, **bilgilendirme ve refakat** şartları sağlandıktan sonra alınacaktır.
- Ziyaretçiler, sahada buldukları süre boyunca **belirlenen kişisel koruyucu donanımları** kullanmakla yükümlüdür.

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		<div data-bbox="427 208 703 282"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="850 226 1059 268"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1204 208 1350 282"><p>KADEV KURUMSAL DEĞERLERİN YATIRILMASI VE YENİLENEREK KULLANILMASI</p></div> <div data-bbox="628 277 1176 309" data-label="Section-Header"><h3>ASBEST İLE ÇALIŞMALARDA İŞ SAĞLIĞI VE GÜVENLİĞİ</h3></div> <div data-bbox="464 369 1340 515" data-label="Text"><p>25/01/2013 tarihli ve 28539 sayılı Resmî Gazete’de yayınlanan Asbestle Çalışmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik hükümlerine göre asbestle ilgili yalnızca söküm, yıkım, tamir, bakım ve uzaklaştırma işlerine izin verilmektedir ve bu işler yalnızca gerekli eğitimleri almış yetkili uzman(asbest söküm uzmanı) ve çalışanlarca(asbest söküm çalışanı) yapılabilmektedir.</p></div> <div data-bbox="464 542 1319 658" data-label="Text"><p>Gerekli önlemlerin alınmaması sonucu gerek yıkım faaliyeti sırasında gerekse asbestli atıkların taşınması sürecinde etrafa yayılacak asbest lifli tozlar çalışanlar dışında çevredeki yerleşimlerde yaşayanlar için “asbest maruziyeti” riskini oluşturabilecektir.</p></div> <hr/> <div data-bbox="1035 840 1233 898" data-label="Text"><p><b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1252 840 1361 891" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div> <div data-bbox="427 931 703 1008"><p>T.C. ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI YAPI İŞLERİ GENEL MÜDÜRLÜĞÜ</p></div> <div data-bbox="850 949 1059 992"><p>THE WORLD BANK IBRD • IDA   WORLD BANK GROUP</p></div> <div data-bbox="1204 931 1350 1008"><p>KADEV KURUMSAL DEĞERLERİN YATIRILMASI VE YENİLENEREK KULLANILMASI</p></div> <div data-bbox="628 1003 1176 1037" data-label="Section-Header"><h3>ASBEST İLE ÇALIŞMALARDA İŞ SAĞLIĞI VE GÜVENLİĞİ</h3></div> <div data-bbox="464 1059 1283 1120" data-label="Text"><p>Asbest içeren muhtemel yapıların söküm, yıkım, tamir ve bakım işlerinde işveren tarafından aşağıdaki hususlara uyulur:</p></div> <div data-bbox="464 1120 1329 1263" data-label="List-Group"><ol style="list-style-type: none"><li>Çalışmaya başlamadan önce, asbest içerebilecek malzemeleri belirlemek için bina veya tesis sahibinden de bilgi alınarak gerekli araştırma yapılır.</li><li>Herhangi bir yapı veya malzemede asbest bulunduğu şüphesi veya bilgisi varsa çalışanların asbest tozuna maruziyetlerinin önlenmesi ve bu maruziyetten doğacak sağlık risklerinden korunması amacı ile;</li></ol></div> <div data-bbox="464 1290 1283 1438" data-label="List-Group"><ul style="list-style-type: none"><li>İş yeri ortam ölçümleri ve çalışanların kişisel maruziyet ölçümleri yapılarak risk değerlendirmesinin yapılması,</li><li>Teknik olarak çalışma yöntemlerinin belirlenmesi(havalandırma, ıslak kesim, sökme)</li><li>Çalışanların, çalışma sürelerinin belirlenmesi,</li></ul></div> <hr/> <div data-bbox="1035 1561 1233 1621" data-label="Text"><p><b>tima</b> Mühendislik Müşavirlik Proje ve Yönetim Hizmetleri A.Ş.</p></div> <div data-bbox="1252 1561 1361 1615" data-label="Text"><p><b>OBS</b> DEPREM MÜHENDİSLİĞİ ÇÖZÜMLERİ</p></div>
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		<div style="text-align: center;"><p><b>ASBEST İLE ÇALIŞMALARDA İŞ SAĞLIĞI VE GÜVENLİĞİ</b></p><ul style="list-style-type: none"><li>• Sigara içilmemesi de dahil, uyulması gereken hijyen kurallarının belirlenmesi,</li><li>• KKD kullanımı, (Koruyucu giysi, Tek kullanımlık eldiven, P3 koruma seviyesine sahip partikül filtresi ile tam yüz maskesi)</li><li>• Sınır değerini aşılması ihtimali olan yerlere uyarı levhalarının konulması, görevli olanların dışında ki çalışanların girmesinin önlenmesi,</li><li>• İşyeri Hekimi tarafından, çalışanlara maruziyetin sona ermesinden sonra da yapılması gereken sağlık değerlendirmeleri ile ilgili bilgi verilmesi,</li><li>• Asbest veya asbestli malzemeden çıkan tozun, tesis veya çalışma alanı dışına yayılmasının önlenmesi</li><li>• Asbest içeren atıkların, her gün mesai bitiminde toplanmalı, asbest işareti taşıyan poşetlere konulmalı ve işyerinde düzenli biçimde depolanmalıdır. Atık prosedürleri ile ilgili olmayan personelin atıklara erişimini engellemek için gerekli uyarı ve koruyucular yerleştirilmesi,</li></ul></div> <hr/> <div style="text-align: center;"><p><b>İş Sağlığı ve Güvenliği / Trafik Eylem Planı</b></p><ul style="list-style-type: none"><li>• Nazimiye Hükümet Konağı Trafik Eylem Planı hazırlanmıştır.</li></ul><div style="text-align: center;"></div></div> <hr/> <div style="text-align: center;"></div>
11.15	11.30	Following the presentation, participants' questions were answered under the coordination of the Consultant and Ministry officials.



Table 2. Stakeholder Engagement Meeting Q&A Session

Katılımcı	Soru / Yorum	Cevaplayan İsim Soyadı	Cevap
S.G.	Will the relocation process be carried out by the Ministry?	S.D.M.	As the Ministry, we are unable to provide direct support in this regard. You will be formally informed through an official letter within the scope of the tender process. However, the relocation process is left to the beneficiary institution. Beneficiary institutions may manage this process either through their own arrangements or by conducting a tender.
M.S.	Will the building truly be earthquake-resistant once completed? We have reservations about whether retrofitting will sufficiently reinforce buildings. This is a lesson we learned from the Hatay earthquake, where we witnessed structural failures. Why are buildings constructed on fault lines, and why are public	S.N.	Building inspections are conducted in accordance with the latest Turkish Earthquake Code of 2018. If you have statistical data, you may share it; however, I believe that our buildings generally comply with the regulation. The column and shear wall retrofitting works carried out within this project are designed and implemented in accordance with this code.
		H.K.	In projects conducted under consultancy supervision and

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	buildings often the first to collapse?		meticulous design processes, we strive to ensure full compliance with regulations and standards, delivering buildings that users can safely occupy without concern.
<b>Z.D.</b>	The building is located on water-saturated ground, and we continuously experience related issues. Currently, we are dealing with flooding. Will these ground-related problems continue after the retrofitting works?	H.K.	A site-specific geotechnical study is conducted for each project, and necessary improvements are implemented accordingly. Since the design is carried out based on the soil classification, we do not anticipate any further problems after the strengthening works.
<b>Ş.B.</b>	Are buildings other than government houses included in this project? As a parent, I am concerned about the condition of schools.	S.D.M.	Schools are not included within the scope of this project. However, there are strengthening projects specifically for school buildings implemented by the Ministry of National Education. (Subsequently, District Director of National Education Meral Kalkan stated that strengthening works had been
<b>M.K.</b>	The building we are currently in has undergone retrofitting, and during that process it was stated that the ground was weak. The drainage problems in the government office building also indicate that Nazimiye has ground issues. Perhaps buildings that should be demolished are instead being retrofitted. I do not necessarily expect an answer, as decisions have already been made,	S.N.	Whether retrofitting is the right approach is a frequently asked question. First, the objective of the financing is retrofitting and energy efficiency—not reconstruction. Yes, the soil conditions may be poor; however, strengthening is a method accepted under the earthquake regulation and, when implemented properly, it provides effective results.

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	<p>but these are the questions raised by the public.</p>	<p>H.K.</p>	<p>There are specific thresholds and ratios for such decisions. Under the regulation, retrofitting decisions are based on a cost ratio of approximately 40% to 60%. Demolishing and rebuilding every structure does not provide a feasible cost plan. When properly implemented, retrofitting is a solution that can prevent loss of life. We are striving to deliver the best possible outcomes.</p>
		<p>A.A.</p>	<p>This is a common concern among stakeholders. As a consultancy firm, we are one of the most experienced in Türkiye in building retrofitting, with approximately 3 million square meters of completed work. Our priority is life safety. The key issue is constructing quality buildings; poor and unqualified work leads to loss of life. This can be addressed through proper supervision and ensuring that only qualified engineers undertake construction. Based on our assessments, we know that the government office building is in poor condition, and the most appropriate designs have been developed by our consultancy.</p>

Table 3. Stakeholder Engagement Meeting Photos

Meeting Photos



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Table 4. Stakeholder Engagement Meeting Participation List (Online)

Participation List
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.

Table 5. Stakeholder Engagement Meeting Participation List (Face to Face)

Participation List
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.