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SUSTAINABLE CITIES PROJECT – II
WITHIN THE SCOPE OF ADDITIONAL FINANCING

CONSULTANCY SERVICE FOR TECHNICAL FEASIBILITY PREPARATION

BOZDOĞAN MUNICIPALITY
SOLAR POWER PLANT
ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

AUGUST 2025

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ABBREVIATIONS

AF	Additional Financing
ALAP	Abbreviated Land Acquisition Plan
AoI	Area of Influence
EHS	Environment, Health and Safety
EIA	Environmental Impact Assessment
EMRA	Energy Market Regulatory Authority
ESG	Environmental Social Governance
ESIA	Environmental and Social Impact Assessment
ESMP	Environmental and Social Management Plan
EU	European Union
F.I.	Financial Intermediation
FAA	US Federal Aviation Administration
IFC	International Finance Corporation
ILBANK	ILBANK A.Ş.
KVS	Short Term Limit Value
MWh	Megawatt Hour
NGO	Non-Governmental Organizations
No.	Number
OHS	Occupational Health and Safety
PV SYST	Photovoltaic System Software
SCP	Sustainable Cities Project

SPP	Solar Power Plant
TAP	Portable Battery Manufacturers and Importers Association
TURKSTAT	Turkish Statistical Institute
UVS	Long Term Limit Value
WB	World Bank

Executive Summary

ILBANK A.Ş. (ILBANK) and the World Bank have designed the Sustainable Cities Projects; SCP I, SCP II, and SCP II Additional Financing (AF) as a series of projects to establish a support mechanism to meet the growing demand from municipalities for investments in sustainable urban development. The main objective of the SCP is to support municipalities to improve urban planning, infrastructure and capital investment planning and strengthen municipal financial capacity.

SCP-II Additional Financing (AF) focuses on expanding next-generation operations into urban planning systems, particularly the broader sectors that will deliver and program urban transportation. It includes zero waste, energy efficiency, **renewable energy**, municipal social services, disaster recovery, urban renewal and restoration sectors.

Bozdoğan Municipality Solar Energy Power Plant Project (2.691,36 kWp, 2.144 kWe) is planned within the borders of Aydın Province, Bozdoğan District, Kavaklı Neighborhood, lot 1 of block 108. The ownership of the Solar Power Plant land belongs to Provincial Directorate of National Property. The coordinate list and location map of the planned subproject area are given in the attachments (See ANNEX-1, See ANNEX-2). The site where the sub-project activities will be carried out belongs to the General Directorate of National Property. A preliminary allocation for a period of two years was made in 2020; however, the allocation period has now expired. Accordingly, an application has been submitted to extend the allocation period, and the response letter from the relevant authority indicating that the allocation process is ongoing is provided in (See ANNEX-3).

The sub project is one of the sub projects within the scope of the SCP-II-AF, supported by World Bank financing in order to support sustainable development in cities in Turkiye. The investment to be made within the scope of the sub project will comply with both National legislation and World Bank Safeguard Policies. In addition, ILBANK will act as a financial intermediary (FI) to ensure compliance with relevant World Bank policies and procedures.

With the subproject put into operation, approximately 86.41% of the total electricity consumption of Bozdoğan Municipality will be met. While determining this rate, the last year consumption data of Bozdoğan Municipality (4,980.8 MWH) and the production of the SPP Project (4,303.7 MWH) were taken as basis.

Subproject production data was calculated using EMRA data, global sunshine duration and PV SYST program. In addition to contributing to the economy with an annual production of 4.303.7 MWH, the power plant will also prevent 2.667 tons of carbon emissions due to solar energy being a renewable clean energy source.

Since the solar power plant to be established is 1.4 kilometers away from the nearest residential area, it will not significantly affect the local population. During the construction phase, short-term excavation works, transformer installation, and approximately 3.8 km of

ETL installation will be completed within around three weeks. Apart from this, there will be no situation that negatively affects the local population due to material transportation.

The ETL will be financed under the sub-project and constructed by Bozdoğan Municipality on behalf of TEDAŞ. The construction cost will be invoiced to TEDAŞ, and the cost of land acquisition will also be covered by TEDAŞ. This arrangement has been secured through the facility agreement. The subproject area has been examined with technical analyses and photographed. Photos of the sub project are attached (See ANNEX-4).

There are cultivated agricultural lands adjacent to the subproject site, and the nearest settlement is approximately 1,400 meters away. Due to this distance, residential areas are not expected to be affected by the subproject activities. However, during the construction and operation phases; various environmental and social risks and impacts such as dust formation, environmental noise, waste management, occupational health and safety, community health and safety, and stakeholder complaints may arise. A series of mitigation measures will be implemented to minimize these risks.

In this context; irrigation activities will be carried out to control dust formation, and the noise level will be managed in accordance with the relevant national regulations and IFC noise limit values. A system specific to the subproject will be established and regularly monitored within the scope of waste management. Within the scope of occupational health and safety, work instruction trainings will be provided to the working personnel in accordance with their job descriptions; personal protective equipment (PPE) will be provided and its use will be inspected.

A grievance mechanism will be actively operated in order to effectively manage workers' grievances and public grievances. Incoming complaints will be recorded and resolved, and complainants will be informed. Complaints will be monitored and reported monthly.

1 Subproject Description

The specific purpose of the subproject is to produce electricity using solar energy, which is a renewable energy source, with the solar energy panels to be installed within the scope of the subproject. In this way, Bozdoğan Municipality will be able to use the budget allocated for electricity more efficiently and will be able to better respond to the needs of improving public and environmental health.

The constant increase in energy needs and the constant increase in unit costs significantly increase the energy costs of the municipality. Reducing carbon emissions through environmental policies and international agreements is another factor of this sub project. Satellite images of the sub project area are given in Figure 1.

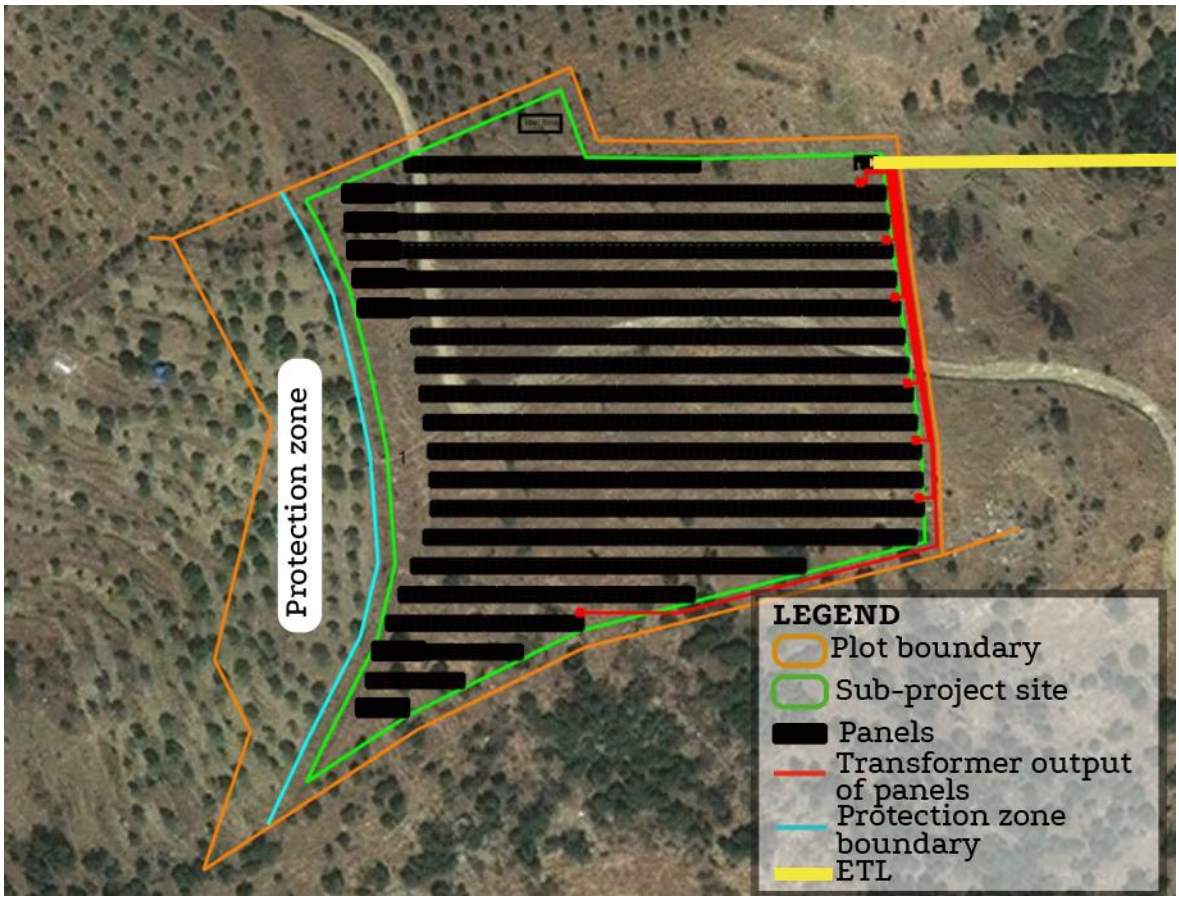


Figure 1. Subproject Area Satellite Image

Bozdoğan Municipality 2,691.36 kWp, 2,144 kW SPP project will be established in Aydın province, Bozdoğan district, Kavaklı neighborhood, lot 1 of block 108. The lot belongs to the Provincial Directorate of National Property and has been allocated to Bozdoğan Municipality. The sub project area can be reached by entering the Kavaklı Neighbourhood Road from the Nazilli-Bozdoğan road and then heading west through the Kavaklı Neighbourhood. The visual describing the access route to the subproject area is given in Figure 2 ve Figure 3.

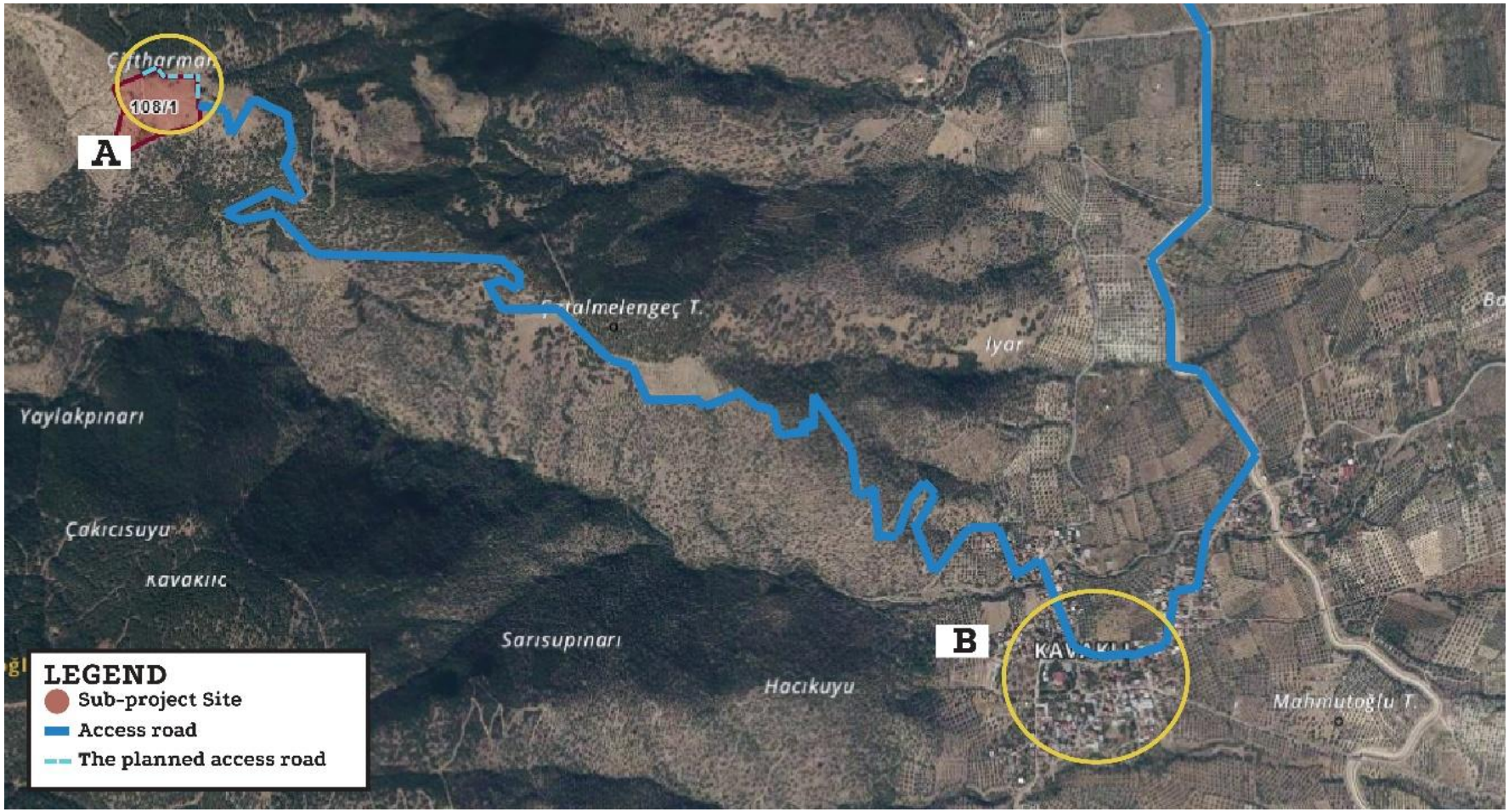


Figure 2. Sub project Access Road

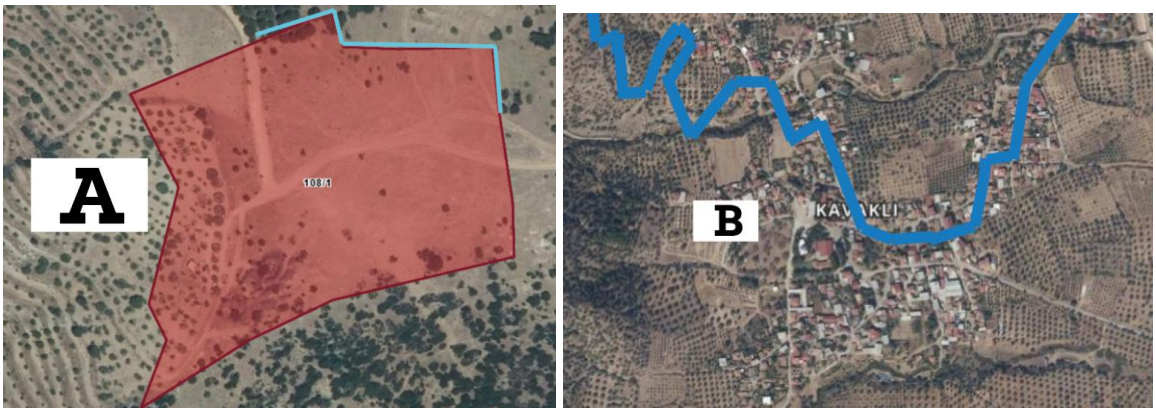


Figure 3. Sub project Area Access Route (A: The planned Road, B: The part of the road passing through the settlement)

By Bozdoğan Municipality, within the borders of Aydın Province, Bozdoğan District, Kavaklı Neighborhood, lot 1 of block 108 (lot 2474 of block 0 have been deactivated) "Solar Energy" Power Plant Project (2,691.36 kWp, 2,144 kW)" is planned. The connection agreement given by ADM EDAŞ within the scope of the planned subproject is given attached (See ANNEX-5). Although the ETL (Energy Transmission Line) will not be financed under the sub-project, its construction will be carried out by the Bozdoğan Municipality. The ETL will be constructed as an overhead line, and since it passes through privately owned lands, expropriation procedures are required.

The transmission line route covers a total of 78 parcels, of which:

- 46 lots are privately owned,
- 2 lots belong to the Treasury,
- 2 lots are owned by the State Hydraulic Works (DSİ),
- 5 lots are classified as public domain property
- 1 lots is owned by Aydın Provincial Directorate of Agriculture and Forestry
- 2 lots are owned by the Aydın General Directorate of Water and Sewerage Administration (ASKİ),

20 lots belong to Bozdoğan Municipality.There are 42 registered owners associated with these lands. Six of them are public institutions. The ETL route passes through a total of 78 parcels. Upon reviewing the ownership records, it has been identified that some individuals or institutions own more than. Therefore, the total number of parcels differs from the number of landowners. There are 42 distinct landowners, but this difference does not indicate the presence of any unauthorized. Rather, it is simply due to a single owner (person or public institution) having rights over multiple parcels. Detailed information regarding the parcels along the ETL route is provided in

ANNEX-22 ETL LOTS INFORMATION ANNEX-22 ETL LOTS INFORMATION of the report.

Although formal allocation or usage permits have not yet been finalized for the public institution-owned parcels within the transmission line corridor, these parcels are public property and are planned to be used for the implementation of a project with recognized public benefit. Public benefit is decision in ANNEX-23 EXPROPRIATION LETTER AND PUBLIC BENEFIT DECISION.

As such, no restriction is anticipated for their use, and necessary official procedures for access/use permissions will be initiated and finalized prior to construction.

Bozdoğan Municipality has confirmed that the use of these parcels will comply with relevant administrative processes and applicable legal frameworks.

Land acquisition procedures for the energy transmission line will be carried out by TEDAŞ. It will be carried out simultaneously with the ETL sub-project and will be financed by TEDAŞ. Therefore, it will be evaluated within the scope of ETL associated facility. However, in order to speed up the procedures, the payment will first come from the municipality and then this fee will be provided by TEDAŞ. This issue is included in the Facility contract; the payment will be made by Bozdoğan Municipality based on Articles 4 and 6 of the contracts given in ANNEX-23 EXPROPRIATION LETTER, then it will be transferred to TEDAŞ and ADM EDAŞ will make the payment to Bozdoğan Municipality. In this way, a network connection will be made to the Dörtyol DM Kavaklı line by connecting to DM-1, which will be located at a distance of approximately 3,845 meters. The energy transmission line route is given in Figure 4.

Figure 4. Sub-project Area – Energy Transmission Line Route

Within the scope of the sub-project, all permits regarding energy transmission operations will be made by ADM Electricity Distribution Company (behalf of TEDAŞ). In this context, the expropriation process was carried out by ADM and documents showing that the expropriation process has started are given in ANNEX-23.

2 Environmental and Social Screening

Under the World Bank's Operating Policy on Environmental Assessment (OP 4.01), projects are classified under categories A, B or C, depending on the degree of their potential impact on the environment.

Category A) Can be defined as projects that have significant negative environmental and social impacts. The impacts of these projects are large-scale, irreversible, sensitive, diverse and cumulative.

Category B) can be defined as projects whose environmental and social impacts are typically site-specific and reversible in nature. Although the impacts of these projects are less than the impacts of subprojects within the scope of Category A, the precautions and monitoring phases can be designed more easily.

Category C) Can be defined as projects that will have minimal or no environmental impact.

By Bozdoğan Municipality, within the borders of Aydın Province, Bozdoğan District, Kavaklı Neighborhood, lot 1 of block 108 (lot 2474 of block 0 have been deactivated.) “Solar Energy” Power Plant Project (2,691.36 kWp, 2,144 kW)” is planned. The planned sub project is evaluated within the Annex-2 list of the EIA Regulation, which came into force after being published in the Official Gazette dated 29.07.2022 and numbered 31907. The " Out of scope of EIA" document received within the scope of the sub project is attached (See ANNEX-21 EIA NOT REQUIRED LETTER). Sub-project is categorized as Category B according to the WB OP 4.01 where the potential impacts are site-specific and reversible in nature and can be managed by readily designed mitigation measures. In conformity, relevant WB OPs (i.e., WB OP 4.01 and WB’s 2010 Policy on Access to Information) and EU Directives.

3 Legal and Institutional Framework

In this section, a summary of national legislation, international standards and guidelines regarding the project and its activities are presented.

3.1. National Legal Framework

There is sufficient legal and administrative basis in our country for environmental and social management during the implementation of development projects. In the ESIA study,

both Türkiye and the World Bank environmental and social policy documents and guides are taken into consideration. Many regulations and decrees have been put into effect within the scope of Environmental Law No. 2872. Article 10 of the "Environmental Law" states that an EIA report must be prepared for investment projects that may cause negative environmental impacts due to their planned actions.

The "Environmental Impact Assessment Regulation", which came into force after being published in the Official Gazette dated 29.07.2022 and numbered 31907, defines the types of projects for which the EIA report is required and the issues that need to be specifically addressed.

The planned sub project is evaluated within the Annex-2 list of the EIA Regulation, which came into force after being published in the Official Gazette dated 29.07.2022 and numbered 31907.

The sub project in question is classified as Category B within the scope of the World Bank Environmental Assessment Policy (OP 4.01).

In addition to the EIA Regulation, other regulations regarding environment, health and safety and social issues are given below:

- Regulation on Water for Human Consumption
  (OG 17.02.2005 Date and 25730 Number)
- Waste Management Regulation
  (OG 02.04.2015 Date and 29314 Number)
- Zero Waste Regulation
  (OG 12.07.2019 Date and Number 30829)
- Packaging Waste Control Regulation
  (OG 26.06.2021 Date and Number 31523)
- Regulation on the Management of Waste Electrical and Electronic Equipment
  (OG 26.12.2022 Date and Number 32055)
- Industrial Air Pollution Control Regulation
  (OG 03.07.2009 Date and 27277 Number)
- Air Quality Assessment and Management Regulation
  (OG 06.06.2008 Date and 26898 Number)
- Regulation on Control of Exhaust Gas Emissions
  (OG 11.03.2017 Date and 30004 Number)
- Environmental Noise Control Regulation
  (OG 30.11.2022 Date and Number 32029)
- Regulation on Noise Emission in the Environment Created by Equipment Used in Open Areas
  (OG 30.12.2006 Date and 26392 Number)
- Water Pollution Control Regulation
  (OG 31.12.2004 Date and 25687 Number)
- Regulation on the Control of Waste Batteries and Accumulators
  (OG 31.08.2004 Date and 25569 Number)
- Medical Waste Control Regulation

(OG 25.01.2017 Date and 29959 Number)

- Regulation on Control of Excavation Soil, Construction and Demolition Waste
  (OG 18.03.2004 Date and 25406 Number)
- Regulation on Control of Soil Pollution and Point Source Contaminated Sites
  (OG 08.06.2010 Date and 27605 Number)
- Regulation on the Protection of Employees from Noise-Related Risks
  (OG 28.07.2013 Date and 28721 Number)
- Occupational Health and Safety Regulation in Construction Works
  (OG 05.10.2013 Date and 28786 Number)
- Health and Safety Signs Regulation
  (OG 11.09.2013 Date and 28762 Number)
- Regulation on Health and Safety Conditions in the Use of Work Equipment
  (OG 25.04.2013 Date and Number 28628)
- Occupational Health and Safety Risk Assessment Regulation
  (OG 29.12.2012 Date and 28512 Number)
- Regulation on Grounding in Electrical Installations
  (OG 21.08.2001 Date and 24500 Number)
- Electrical High Current Facilities Regulation
  (OG 30.11.2000 Date and 24246 Number)
- Electrical Internal Facilities Regulation
  (OG 04.11.1984 Date and 18565 Number)
- Regulation on the Authorities, Duties and Responsibilities of Electrical Scientists
  (OG 11.11.1989 Date and 20339 Number)
- Subcontracting Regulation
  (OG dated 27.09.2008 and numbered 27010)
- Regulation on Solar Energy-Based Electricity Production Facilities
  (OG 19.06.2011 Date and Number 27969)
- Regulation on the Use of Personal Protective Equipment in Workplaces
  (OG 02.07.2013 Date and 28695 Number)
- Regulation on Noise Emission in the Environment Created by Equipment Used in Open Areas
  (OG 30.12.2006 Date and 26392 Number)
- Labor Law No. 4857
- Occupational Health and Safety Law No. 6331
- Environmental Law No. 2872
- Expropriation Law No. 2942
- Soil Conservation and Land Use Law No. 5403
- Energy Efficiency Law No. 5627
- Right to Information Law No. 4982
- General Hygiene Law No. 1593
- Law No. 5346 on the Use of Renewable Energy Resources for the Purpose of Electrical Energy Production
- Law No. 2863 on the Protection of Cultural and Natural Assets

- National Parks Law No. 2873
- Forest Law No. 6831
- Regulation on Emergencies in Workplaces OG 18.06.2013 Date and 28681 Number

3.2. International Standards

For the investments defined and outlined within the scope of this sub project and in accordance with the World Bank's Environmental Assessment Policy (OP 4.01), an Environmental and Social Management Report (ESMP) must be prepared by the Bozdoğan Municipality.

World Bank Environmental and Social Protection Policies include environmental assessments of sub projects, environmental and social adverse impacts, and other policies regarding impact mitigation and prevention. The following operational policies are included within the framework of ESMP;

- Natural Habitats (OP 4.04)
- Physical Cultural Resources (OP 4.11)
- Indigenous Peoples (OP 4.10)
- Land Acquisition and Involuntary Resettlement (OP 4.12)
- Physical Cultural and Other World Bank Protection Measures

The Environmental and Social Monitoring System will cover the following:

- General Environment
- Air emissions
- Soil
- Surface water and groundwater
- Biodiversity
- Noise and dust emissions
- Social Monitoring
- Land acquisition

The International Finance Corporation (IFC) guidelines, also known as the International Finance Corporation, which are considered relevant to the sub project and must be followed during the ESMP study, are as follows:

- IFC General ESG Guidelines dated 30 April 2007
- IFC General EHS Guidelines Construction and Decommissioning

4 Baseline Data

Solar Energy Power Plant Project (2.691,36 kWp, 2.144 kW) is planned by Bozdoğan Municipality within the borders of Aydın Province, Bozdoğan District, Kavaklı Neighborhood, lot 1 of block 108.

With the sub-project put into operation, approximately 86.41% of the total electricity consumption of Bozdoğan Municipality will be met. While determining this rate, the last year consumption data of Bozdoğan Municipality (4,980.8 MWH) and the production of the SPP Project (4,303.7 MWH) were taken as basis.

Within the scope of the planned sub-project, a network connection will be made to the Dörtyol DM Kavaklı line by connecting to DM-1, which will be located at a distance of approximately 3,845 meters, in line with the permissions given by ADM EDAŞ.

It is anticipated that 9 personnel will work during the construction phase of the sub-project and the solar energy installation process will be completed within 8 weeks. During the operational phase, two personnel are planned. These unarmed security personnel will be responsible for the security of the facility.

The Area of Influence (AoI), (See Figure 5) has been determined based on the environmental and social impacts associated with the subproject components, including the subproject site and access roads.

Based on the anticipated dust emissions and environmental noise calculations for the subproject site, it is expected that these parameters will dissipate within a 50-meter radius. The nearest sensitive receptors have been identified as the fig trees. To prevent the accumulation of dust emissions on these trees, mitigation measures are outlined in the mitigation Section 5.3.

Figure 5. Sub-project AoI

The headings under this heading were filled in based on the Community Level Survey Form applied with the mukhtar of Kavaklı neighborhood during the site visit made by ÇA Mühendislik on 25.04.2025.

4.1 Environmental Baseline

4.1.1 Location and Topography

By Bozdoğan Municipality, within the borders of Aydın Province, Bozdoğan District, Kavaklı Neighborhood, lot 1 of block 108 (lot 2474 of block 0 have been deactivated.) "Solar Energy" Power Plant Project (2,691.36 kWp, 2,144 kW)" is planned. Aydın Province, Bozdoğan District, Kavaklı Neighborhood, lot 1 of block 108 was allocated from the National Real Estate Directorate of Aydın Governorship Provincial Directorate of Environment and Urbanization. A preliminary allocation for a period of two years was made in 2020; however, the allocation period has now expired. Accordingly, an application has been submitted to extend the allocation period, and the response letter from the relevant authority indicating that the allocation process is ongoing is provided in (See ANNEX-3). Once the allocation process is completed, the allocation document will be forwarded to İLBANK. This area is approximately 31.991,97 m² in size as a field.

There is an access road to the subproject site, which is sufficient for transporting equipment. The access route is given in Figure 2 and Figure 3.

In addition, a gravel path currently cuts through the subproject parcel and is used informally to access nearby cultivated lands. To avoid interference with subproject operations and to maintain uninterrupted access for local farmers, this path will be rerouted around the subproject perimeter and reconnected to its original course during the construction phase. This arrangement will preserve existing access patterns without causing any disruptions to land users Figure 3**Hata! Başvuru kaynağı bulunamadı.**.

The main access road leading to the subproject site traverses a residential area. However, no sensitive receptors, such as schools, healthcare facilities, or emergency service buildings, are located along this route (Figure 3). While no such structures are present, occupied households have been identified along the road. These were taken into account during the impact assessment.

The sub project area can be reached by entering the Kavaklı Neighborhood Road from the Nazilli-Bozdoğan road and then heading west through the Kavaklı Neighborhood. The sub-project area has a slightly rugged terrain structure. The sub-project area is located within the borders of the Büyük Menderes Plain. The subproject area, which has an altitude of approximately 800 meters. The topography map of the sub-project area is given in Figure 6.

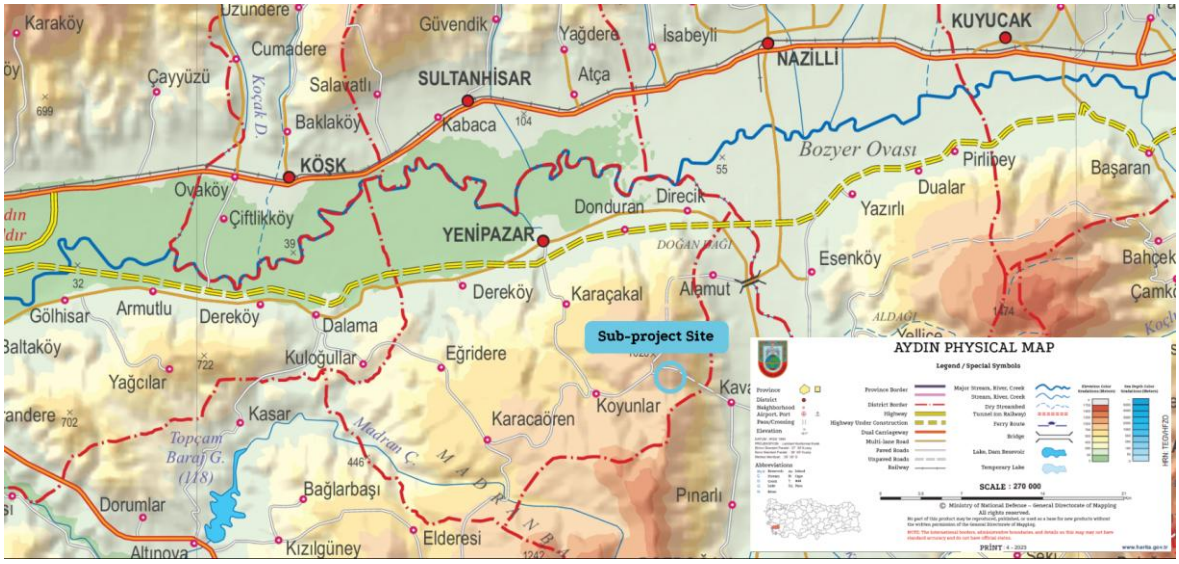


Figure 6. Topography Map

4.1.2 **Geography**

There are fertile alluvial plains in the district of Bızdoğan close to the Büyük Menderes River. A large part of the district is mountainous and rugged. The important water source in the district is Akçay River. Water resources play an important role in both drinking water and agricultural irrigation.

The sub-project area is located in the inner parts of the Aegean Region and has a fertile soil structure and rural character. To the west of the sub-project area are lands with fig trees. The Büyük Menderes basin has a rich alluvial soil structure. The sub-project area is located within the borders of this basin.

4.1.3 **Climate**

Sub project, is under the influence of the Mediterranean climate; summers are hot and dry, winters are mild and rainy.

Within the borders of Aydın province, the month with the most daily sunshine is July, with an average of 12.97 hours. In total, there are approximately 401.93 hours of sunshine during this period.

On average, Aydın experiences the fewest daily hours of sunshine in January. The total sunshine duration during this period is recorded as 201.58, with an average of approximately 6.5 hours per day.

Aydın receives approximately 3541.65 hours of sunshine throughout the year. The average monthly sunshine duration is estimated to be approximately 295.14.

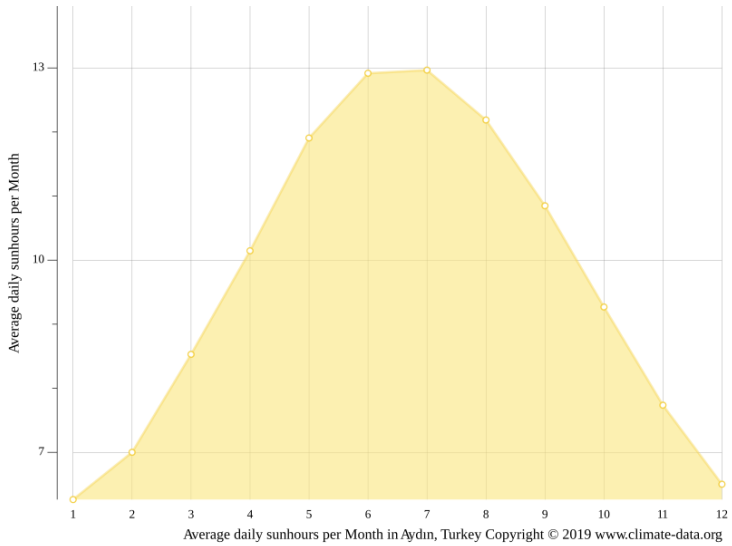


Figure 7. Annual average sunshine hours in Aydin province

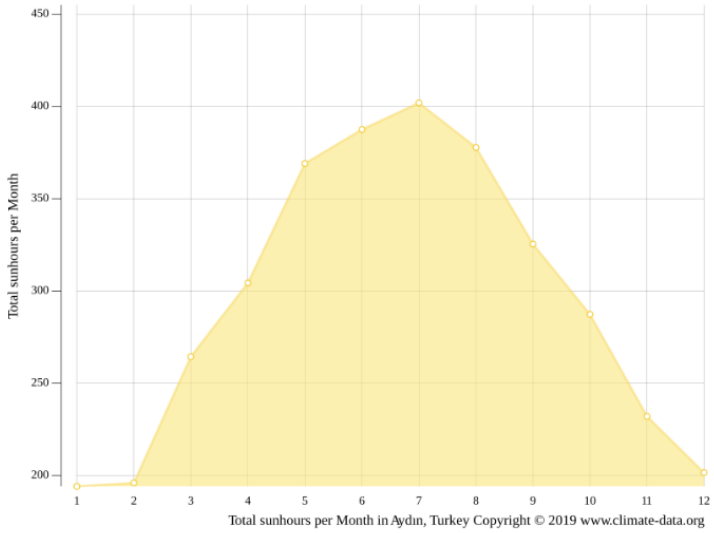


Figure 8. Total annual sunshine hours in Aydin province

4.1.4 **Flora**

Natural maquis vegetation with olive, fig and various fruit trees is widespread in the region.

Literature and field studies were conducted for the determination of flora and fauna species located or likely to be located within the sub project Area of Influence (AoI). Within the scope of the studies conducted in the sub project AoI, no endangered or endemic plant species were encountered in the sub-project AoI. In this context, the books "Flora of Türkiye and East Aagean Island (1965- 1988)" and "Red Data Book of Turkish Plants" prepared by P. DAVİS were used. In addition, the databases prepared by TUBITAK, "http://bioces.tubitak.gov.tr" and Turkish Plants Data Service – TUBITAK:"http://wwweski.tubitak.gov.tr/tubives/" were scanned and the literature was supported to check whether there were any endangered species.

There are no rare, endangered or protected plant species in the sub-project AoI according to Annex 1 of the Bern Convention.

4.1.5 **Earthquake Risks**

The sub-project site is located in a seismically active region with a PGA value of 0.465 g, which indicates a very high earthquake hazard level. Accordingly; all structural components will be designed in accordance with the Turkish Earthquake Code and relevant engineering standards.

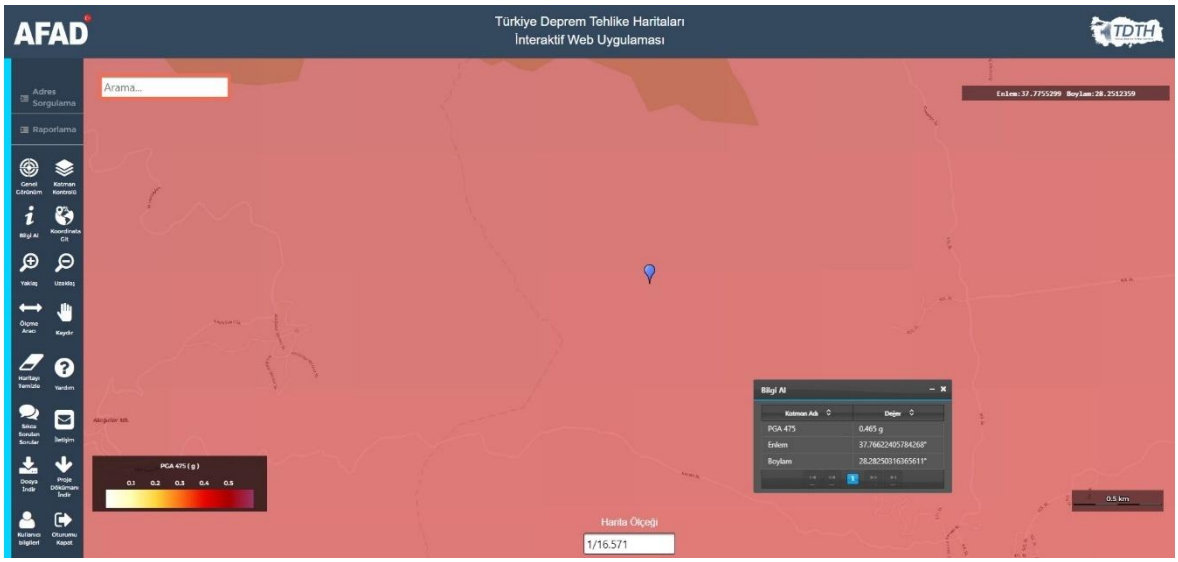


Figure 9. Sub-project Earthquake Map(https://tdth.afad.gov.tr)

4.1.6 **Hydrology and Flood Risks**

The nearest surface water source to the sub-project site is the Kuzbağ River, approximately 2.5 km away. Small-scale surface flows may occur due to seasonal rainfall, but as seen in Figure 10, there is no flood risk.

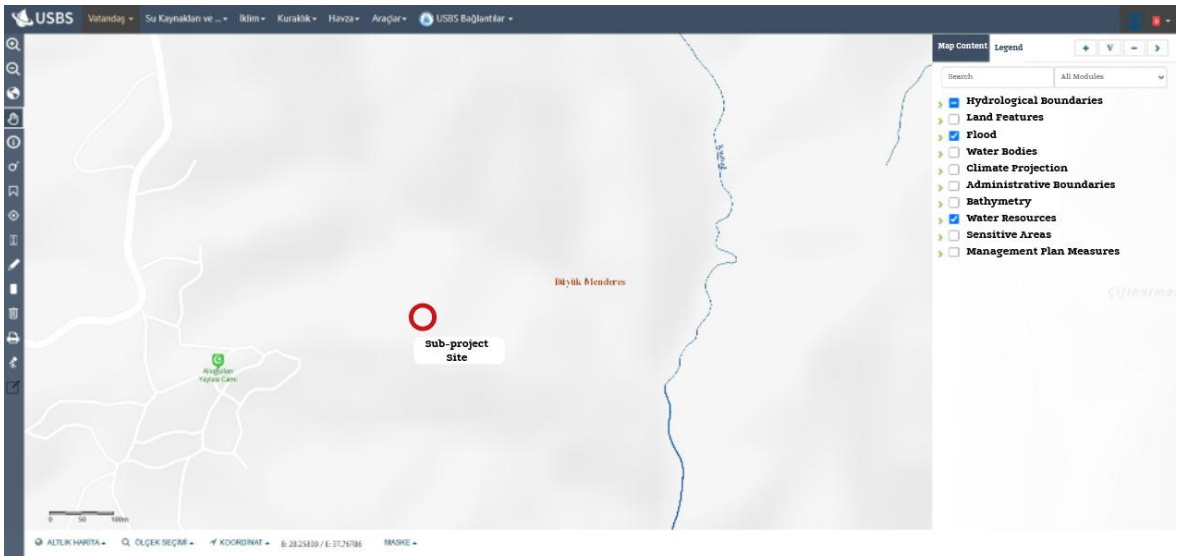


Figure 10. Water resources and flood map (National Water Information System)

4.1.7 **Landslide Risk**

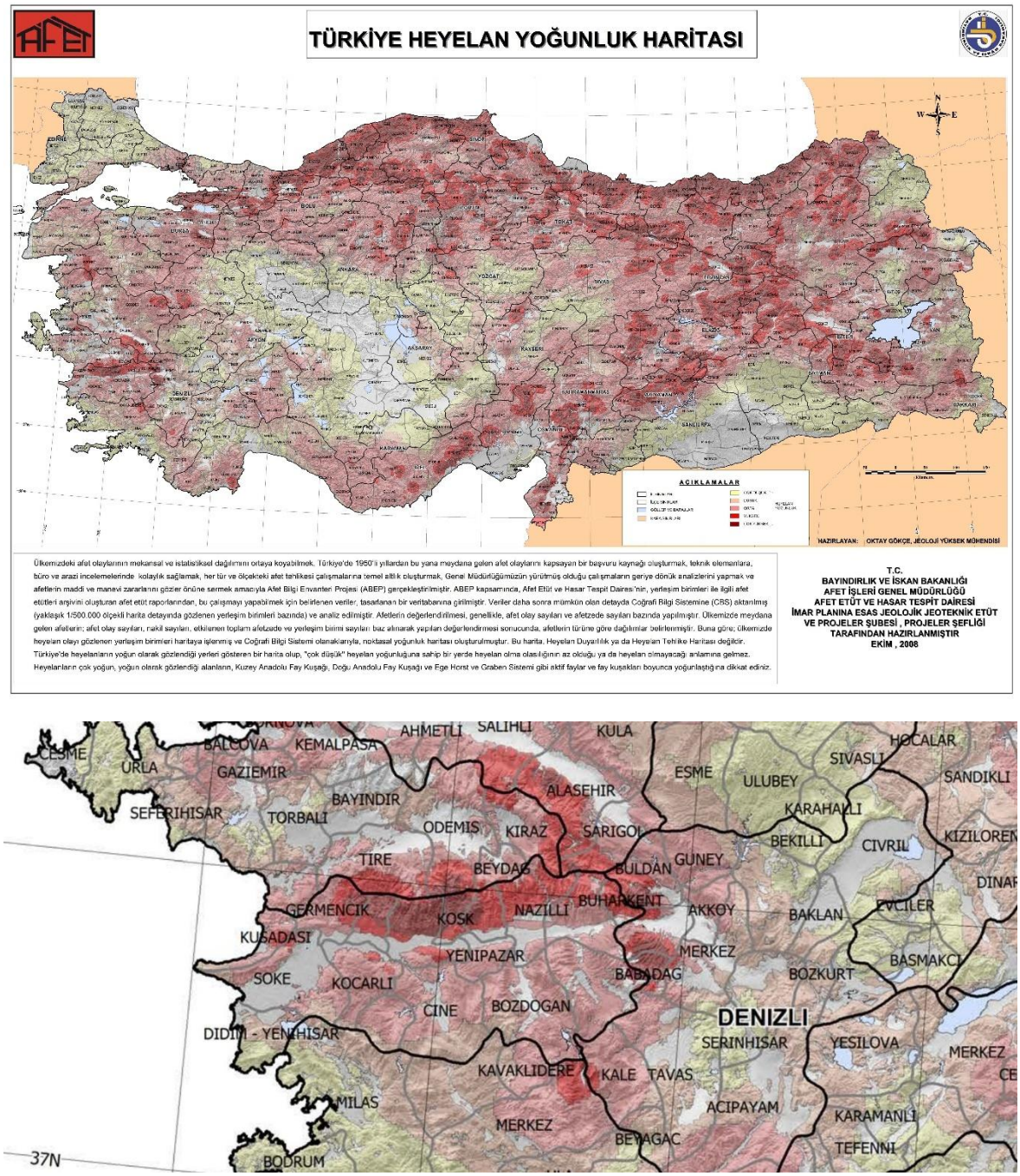


Figure 11. Türkiye Landslide Intensity Map

According to the Landslide Intensity Map of Türkiye, the landslide risk in the sub-project area is low (See Figure 11).

4.1.8 Geothermal Resources

There are rich geothermal resources in Aydın province; however, there is no known active geothermal resource around Kavaklı Neighborhood.

4.2 Social Baseline

4.2.1 Demography

According to the data of the Turkish Statistical Institute, the population of Bozdoğan district in 2024 is 31,945 people. This population consists of 16,032 men and 15,913 women. Accordingly, 50.18% of the population of Bozdoğan district is male and 49.82% is female.

According to interview of Kavaklı neighborhood mukhtar; population of Neighborhood consists of 422 people. In this context, the population of Kavaklı neighborhood corresponds to approximately 1.32% of the population of Bozdoğan district. There are 260 households in the neighborhood and there are no unoccupied dwellings. The population of the neighborhood does not show seasonal changes. 12% of the neighborhood population consists of individuals who have not received education or who cannot read or write, while the remaining 88% consists of individuals who have received education or are receiving education. There are 50 individuals over the age of 60 living in Kavaklı Neighborhood, 21 of whom are male and 29 are female. These individuals reside approximately 1,400 meters away from the sub-project area.

During site visits, discussions were held with the residents of these households (16 individuals), and information regarding the subproject activities was provided. No concerns or objections were raised by the residents.

There are approximately 60 households along the route to the project site. During field visits, interviews with local residents and the neighborhood headman determined that none of these households were considered vulnerable or disadvantaged (e.g., elderly, disabled, female-headed households, low-income individuals, or individuals dependent on social assistance). Therefore, any socially vulnerable groups requiring special precautions along the route are unlikely to be affected.

4.2.2 Cultural Heritage

As a result of the examinations carried out by the Aydın Cultural Heritage Protection Regional Board Directorate, based on the official letter dated 07.09.2020 and numbered 52623597-165.02.04-E.657898, no immovable structure or cultural asset on the surface of the immovable that may be subject to registration assessment was encountered in the sub-project area and its surroundings. The Cultural Heritage Closest to the Sub-project Site was

also given as Figure 12. The nearest identified cultural heritage site to the sub-project area is Körteke Castle, which is located approximately 44 kilometers away, within the boundaries of the Alp Toje Archaeological Site.

Given the considerable distance to the nearest registered site and the absence of any known or visible cultural assets within the project footprint, no adverse impact on cultural heritage is anticipated. Nonetheless, in line with best practices, a chance-find procedure will be implemented during construction activities, in accordance with national regulations and international standards.

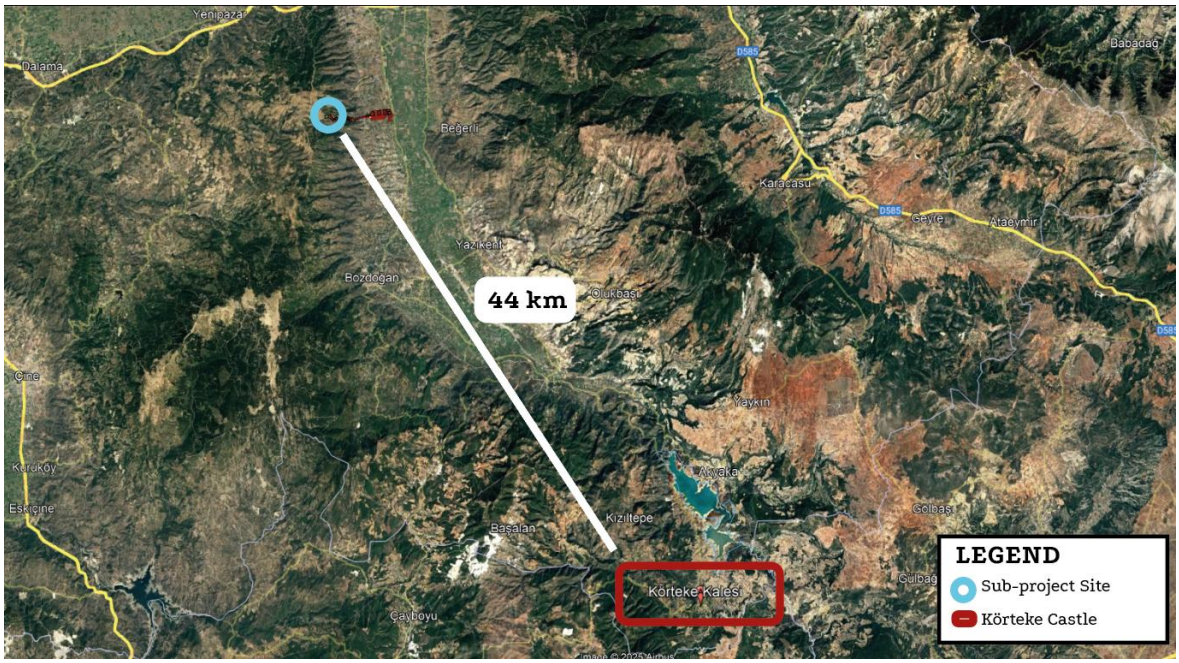


Figure 12. Nearest Cultural Heritage Site to Sub-project Site

However, if any movable or immovable cultural asset is encountered during the works to be carried out on the immovable properties in question, the Aydın Cultural Heritage Protection Regional Board Directorate and/or the Museum Directorate will be informed immediately within the framework of the relevant legislation.

4.2.3 **Economic Sectors and Facilities**

The main source of income for Kavaklı Neighborhood, where the subproject will be implemented, is agriculture and small-scale animal husbandry. The neighborhood has basic social infrastructure such as electricity, drinking water, sewage, internet and telephone services. Although most of these services are sufficient for the local community, it was learned during field studies that the electrical infrastructure is inadequate due to technical limitations. There is a primary school building in the neighborhood; however, it is not

currently used due to the implementation of a central transportation system for education. Students go to schools located in the Bozdoğan district center, approximately 11 km away. There is a health center serving the local community in the neighborhood. There are sufficient roads for transportation to the neighborhood and the subproject site. There is no problem with transportation services.

4.2.4 **Land Acquisition / Use**

The ownership of the Solar Power Plant land belongs to Provincial Directorate of National Property and has been allocated to Bozdoğan Municipality.

There are some structures within lot 1 of block 108 where the sub-project area is located, including makeshift animal shelter and informal housing. These structures were found to be unlicensed and have not been used for approximately 10 years, as confirmed through field visits and consultations with local people. As the structures are abandoned and will remain outside the wire fence to be erected for the subproject site, no physical displacement or demolition will occur, and there will be no impact on these structures.

Figure 13. Visual representations of makeshift animal shelter and informal housing

There are fig trees that have overflown into the parcel from adjacent cultivated areas. These trees are within the scope of the cultivated area and again, a plan has been made to remain outside the field boundaries. Accordingly, there is no question of cutting or moving the trees. There are wild trees that do not produce fruit within the parcel and sub-project area. Regarding this issue, Bozdoğan Municipality will plant trees within the borders of Kavaklı neighborhood as much as the number of trees cut (ANNEX-29 LETTERS OF UNDERTAKING).

As part of the environmental screening conducted in accordance with World Bank Operational Policy OP 4.01 (Environmental Assessment), an assessment was carried out on a protected agricultural area adjacent to the subproject footprint, located within Lot 1 of Block 108. In this area, a total of 66 fig trees, aged approximately 3 to 10 years, were identified Figure 14.

These trees are situated approximately 5 meters outside the perimeter fence of the subproject and thus remain entirely outside the area of physical intervention. The trees are located on public land, and no formal or informal ownership claims could be verified during consultations with local stakeholders, including the neighborhood and surrounding residents. No signs of active maintenance or harvesting were observed during field visits. It is therefore

assumed that the planting may have occurred informally, potentially for opportunistic or subsistence purposes, without any legal tenure or documented user rights.

During the call letter application process, the Single-Line Diagram and the Layout Plan of the solar power plant (as shown in Figure 1) were submitted to the Provincial Directorate of Agriculture and Forestry. A site visit was conducted, during which a Crop Productivity Score measurement was carried out. The area was classified as "land with permanent crops" (fig orchards) and was therefore placed under the protection of the Provincial Directorate.

This designated agricultural area, identified as "land with permanent crops" (fig orchards), will remain outside the perimeter fence of the solar power plant. No physical intervention or construction activity will be undertaken within this protected zone. In accordance with the recommendations of the Provincial Directorate of Agriculture and Forestry, all project components have been carefully sited to avoid any impact on the existing fig trees. As such, the trees will not be removed, relocated, or pruned as part of the project activities, and the integrity of the orchard will be fully preserved throughout both the construction and operational phases.

Figure 14. Images of trees

A gravel path currently cuts through the subproject parcel and is used informally to access nearby cultivated lands. To avoid interference with subproject operations and to maintain uninterrupted access for local farmers, this path will be rerouted around the subproject perimeter and reconnected to its original course during the construction phase.The Energy Transmission Line (ETL), considered an associated facility under World Bank Environmental and Social Standards, will require the expropriation and/or

establishment of rights-of-way over 46 privately owned parcels. ADM EDAŞ will conduct the expropriation process on behalf of TEDAŞ, in accordance with national legislation and WB ESS5 / OP 4.12 on Involuntary Resettlement. Compensation will be provided at full replacement cost, and no physical displacement is anticipated. An Abbreviated Land Acquisition Plan (ALAP) has been prepared for the ETL.

5 Environmental and Social Risks and Management Plan

5.1 Environmental Risks

By Bozdoğan Municipality, within the borders of Aydın Province, Bozdoğan District, Kavaklı Neighborhood, lot 1 of block 108 (lot 2474 of block 0 have been deactivated.) "Solar Energy" Power Plant Project (2,691.36 kWp, 2,144 kWe)" is planned. It is anticipated that 9 personnel will work during the construction phase of the sub-project and the solar energy installation process will be completed within 8 weeks.

Within the scope of the sub project, domestic solid waste and wastewater will be generated from the personnel who will work during the construction phase, and during the operation phase, glare and sparkle effects will occur due to photovoltaic panels.

In this regard, the possible environmental and social impacts that may occur within the scope of the sub-project have been evaluated in detail below.

During construction, temporary impacts such as dust, noise, and equipment usage may affect nearby agricultural lands. These impacts are considered short-term and minor, and relevant mitigation measures are provided in Land Preparation and Construction Phase Mitigation Pla of the ESMP. The Municipality and subcontractors will comply with all applicable environmental and social management measures, including the implementation of temporary safety precautions to minimize inconvenience to local residents.

5.1.1 Water Use and Wastewater Generation

The water needs of 9 personnel who will work within the scope of the sub project will be met, and in parallel, wastewater will be generated due to the personnel. During the operation phase of the project, deionized water will be used to clean the panels, and the water falling on the ground will evaporate and will not cause wastewater formation. The cleaning of the panels will be done twice a year and will be in accordance with the current Occupational Health and Safety legislation.

The drinking water needs of the personnel who will work during the construction and operation phases of the sub project will be met with demijohns purchased from companies licensed by the Ministry of Health in accordance with the provisions of the "Regulation on

Water for Human Consumption". Domestic water needs will be met from the network. Additionally, deionized water required for cleaning the panels will also be purchased.

The places where water will be used, its quantities, supply locations, wastewater amounts and the disposal method of wastewater during both the construction and operation phases of the sub project are given in Table 1.

Table 1. Water Supply Plan to Be Used in Construction and Operation Phases

Project Period	Water use	The amount of water	Water Supply Place	Amount of Wastewater	Wastewater Disposal Method
Construction	Drinking and potable water for 9 people who will take part in the land preparation phase	9 people x 193 lt/person-day* = 1.74 m^3 /day	Drinking water will be brought in demijohns, and domestic water will be brought in permitted tankers.	9 people x 182 lt/person-day* = 1.64 m^3/day**	A septic tank will be installed and removed by sewage trucks.
Operation	Cleaning of Photovoltaic Panels (Twice a year)	2 people x 193 lt/person-day* = 0,374m^3 /day 4 m^3/year deionized water (0.01 m^3/day)	Panel cleaning will be done twice a year with chemical-free water, except on rainy days. Domestic water will be provided by purchasing.	-	Since the water will remain on the concrete floor during the panel cleaning process, it will evaporate and wastewater will not be formed. Any remaining water on the panel will be wiped off with a dry cloth.

Note 1*: The amount of water a person will need is taken as 193 lt/person-day (Turkish Statistical Institute, Aydın, 2020).

Note 2:** The daily amount of wastewater generated by one person is taken as 182 lt/person (Turkish Statistical Institute, Aydın, 2020).

Drinking water to be used by the personnel who will work during the land preparation and construction phase of the sub project will be supplied from branded, original packaged bottled water sold in the licensed market in accordance with the provisions of the "Regulation on Water for Human Consumption".

Within the scope of the sub project, Environment, Health and Safety Guidelines (Wastewater and Ambient Water Quality) published by the International Finance Corporation (IFC) will be followed. In this context, the criteria given in Table 2 will be complied with.

Table 2. Wastewater and Ambient Water Quality Criteria

Criteria
• Determining the quality, quantity, source and discharge point of liquid waste generated in the facility, • Draining the septic tank periodically using a sewer truck before it fills with wastewater, • Meeting the pre-treatment and monitoring requirements of the sewage treatment system, • Minimizing wastewater generation to reduce the burden of pollutants requiring treatment, • Adopting and implementing water saving methods, • Separation of rainwater and wastewater channels, • Improving wastewater lines and preventing leaks.

5.1.2 **Waste Management**

Among the wastes that can be generated, recyclable (paper, plastic, glass, etc.) and non-recyclable wastes (food scraps, etc. organic waste) will be collected separately in garbage containers placed at various points of the sub project site. Wastes that can be recycled will be sent to licensed recycling companies; Domestic solid waste that cannot be recycled will be disposed of by sending it to licensed disposal facilities.

For the packaging waste generated in the facility, in accordance with the colors specified within the scope of the "Zero Waste Regulation" published in the Official Gazette No. 30829 dated 12.07.2019 (blue color for paper waste, yellow color for plastic waste, gray color for metal waste, green color for glass waste). and black for non-recyclable waste) waste bins will be provided, a Zero Waste Management System will be established and data of the waste collected for the previous month will be entered into the Integrated Environmental Information System (e- çbs) within the framework of the relevant regulation by the 15th of each month.

During the operations to be carried out within the scope of the planned project, domestic solid waste will be generated due to the personnel working. According to the data received from Turkish Statistical Institute, the daily amount of solid waste generated per person in Aydın in 2023 is 1.22 kg/day [(1)], accordingly, the amount of domestic solid waste that will arise from people who will work during the construction phase of the sub project is 10.98 kg/day (9 people x 1.22 kg/person-day) solid waste will be generated.

Since the solid waste within the scope of the sub project will not be stored in the project area for a long time, it will not cause any problems such as odor or dispersion.

The solid wastes to be generated within the scope of the sub project will not cause any problems such as odor, appearance, or leakage since they will not be stored in the project area for a long time. All solid wastes to be generated within the scope of the sub project (food waste, packaging paper, plastic bottles, glass bottles, etc.) will be disposed of in accordance with the “Waste Management Regulation” published in the Official Gazette dated 02.04.2015 and numbered 29314 and entered into force, the “Packaging Waste Control

[(1)] https://data.tuik.gov.tr/Bulten/Index?p=Waste-Statistics-2022-49570&dil=2

Regulation" published in the Official Gazette dated 26.06.2021 and numbered 31523 and entered into force, and the "Zero Waste Regulation" published in the Official Gazette dated 12.07.2019 and numbered 30829 and entered into force. In addition, employees will be warned that it is prohibited to dump them into seas, lakes and similar receiving environments, streets and forests within the scope of Article 5 of the said Regulation.

Within the scope of the project, the Environment, Health and Safety Guidelines (Waste Management and Hazardous Material Management) published by the International Finance Corporation (IFC) will be followed. In this context, the criteria given in Table 3 will be complied with.

Table 3. Waste Management Criteria

Criteria
• Obtaining all necessary permits, certificates and approvals from the relevant official authorities, • Regular inspection of waste separation and collection practices, • Monitoring records regarding hazardous waste collected, stored or shipped, • Preventing waste generation, reducing it, reusing it, recovering it, recycling it, removing it and finally establishing a waste management hierarchy. • Preventing or minimizing waste generation as much as possible, • Recovering and reusing waste in cases where waste production cannot be prevented but minimized, • In cases where wastes cannot be recycled or reused, their processing, destruction and disposal in an environmentally compatible manner, • Identifying source reduction, reuse and recycling opportunities, • Establishing purchasing measures that allow for opportunities to return usable materials, such as containers, and prevent overordering of materials. • Minimizing hazardous waste generation by applying solid waste separation to prevent the mixing of non-hazardous and hazardous wastes to be managed, • Identifying potentially recyclable materials, • Determining recycling targets and monitoring waste production and recycling rates, • Providing training and incentives to employees to achieve goals, • Identifying potential impacts and risks associated with the management of hazardous waste generated throughout its entire life cycle, • Storing waste in a way that prevents incompatible wastes from mixing or coming into contact with each other and allows monitoring of leaks or spills between containers, • Store indoors, away from direct sunlight, wind and rain. • Ensuring the reduction of waste at source.

5.1.3 **Waste Panels**

Materials such as panels, switches, solar regulators, inverters, etc. that are damaged and become inactive during or after the activity in question will be temporarily stored in the Hazardous Waste Storage Area next to the Administrative Building (See ANNEX-20 PANEL LAYOUT PLAN) in the existing facility, classified according to their characteristics and delivered to the closest or most economical licensed recycling company to the sub

project area for recycling purposes, and wastes that cannot be recycled will be given to licensed companies to be disposed of according to the conditions specified in the "Waste Management Regulation", which was published in the Official Gazette dated 02.04.2015 and numbered 29314 and entered into force.

5.1.4 **Waste Batteries**

Waste batteries that may be removed from vehicles in the sub project area will be returned to the vendors and replaced with new batteries. Batteries used in the field will be reused by ensuring that they are rechargeable. Used batteries will be collected in battery collection boxes and left at collection points belonging to TAP (Portable Battery Manufacturers and Importers Association). The "Regulation on the Control of Waste Batteries and Accumulators" and its relevant provisions, which came into force after being published in the Official Gazette dated 31.08.2004 and numbered 25569, will be complied with.

Table 4. Hazardous Material Management Criteria

Criteria
• Determining hazardous material management priorities based on hazard analysis of risky operations determined through Social and Environmental Assessment, • Avoiding or minimizing the use of hazardous substances whenever possible, • Preventing the uncontrolled release of hazardous substances into the environment or uncontrolled reactions that may lead to fire or explosion, • Using engineering controls (limitation, automatic alarms and shutdown systems) appropriate to the nature of the hazard, • Implementation of management controls (procedures, audits, communications, training and exercises) to address remaining risks that cannot be prevented or controlled by engineering measures, • Recording the types and quantities of hazardous substances found in the project, • Analyzing potential spill and release scenarios using available industry statistics on spills and accidents whenever possible, • Analyzing the potential for uncontrolled reactions such as fire and explosion, • Identification of the locations of hazardous materials and related activities on the emergency plan field map, • A description of response activities in the event of a spill, release, or other chemical emergency. • Performing occupational safety analysis to identify specific potential occupational hazards and industrial hygiene studies, as appropriate, to monitor and verify exposure levels to chemicals and compare with applicable occupational exposure standards. • Conducting training, awareness-raising activities and exercises, • Identification and implementation of permitted maintenance activities such as hot work or confined space entries,

Criteria
• Providing appropriate personal protection equipment (PPE) (shoes, masks, protective clothing and goggles in appropriate areas), emergency eyewash and shower stations, ventilation systems and sanitary facilities, • Preparation of monitoring and record keeping documents containing audit procedures designed to keep accident and incident investigation reports on file for a period of at least five years, • Using transfer equipment that is suitable and compatible with the characteristics of the transferred materials and designing them to ensure safe transfer.

5.1.5 **Excavation Waste**

Within the scope of the sub project, excavation works will be carried out during the land preparation and construction phase, the opening of the energy transmission line, the arrangement of the land, the installation of machinery and equipment will be carried out, and a limited amount of excavation waste will be generated in this area. Excavation waste will be used as filling material.

In order to place the machinery and equipment to be installed within the scope of the project, excavation will be carried out at a depth of 0,2 m in an area of approximately 30.000 m^2.

According to this;

30.000 m^2 * 0,2 m = 6.000 m^3 excavation will occur.

The works will be carried out in accordance with the provisions of the "Regulation on the Control of Excavation Soil, Construction and Demolition Wastes", which came into force after being published in the Official Gazette dated 18.03.2004 and numbered 25406. In the studies to be carried out, the provisions of the "Regulation on the Control of Soil Pollution and Point Source Contaminated Sites", which came into force after being published in the Official Gazette dated 08.06.2010 and numbered 27605, will also be taken into consideration.

In addition, the "Zero Waste Regulation", which came into force after being published in the Official Gazette dated 12.07.2019 and numbered 30829, will be complied with at all stages of the planned sub project.

5.1.6 **Dust Emission**

Within the scope of the sub project, excavation will be carried out during the opening of the energy transmission line during the land preparation and construction phase, which will last 3 week. Dust emissions will occur during the excavation process.

Calculations for dust emissions that may occur during land preparation and construction works are stated in Table 12.6 of the "Regulation on Control of Industrial Air Pollution", which came into force after being published in the Official Gazette No. 27277 dated 03.07.2009. It was calculated using "Emission Factors to be Used in Dust Emission Mass Flow Calculations" and is given in the attachment (See ANNEX-11).

It is not thought that the dust emissions that will occur during the 3-week land preparation and construction phase of the Solar Energy Project will negatively affect the air quality. The dust emission concentration resulting from the activities carried out in this direction is evaluated in accordance with both the Industrial Air Pollution Control Regulation and the Air Quality Assessment and Management Regulation (Table 5).

Additionally, dust emissions will remain below the limit values in the Environment, Health and Safety Guidelines (Air Emissions and Ambient Air Quality) published by the International Finance Corporation (IFC).

Table 5. PM10 Pollutant Limit Values

Regulation	Average Time	Limits	Annual Decrease of Limit Value	Warning Threshold
Air Quality Assessment and Management Regulation	KVS (24 hour) 95%/year To protect human health	300 µg/m³	100 µg/m³ starting from 1.1.2009 until 1.1.2014 It decreases annually by an equal amount every 12 months until (33% of the limit value).	First level: 260 µg/m³ Second level: 400 µg/m³ Third level: 520 µg/m³ Fourth level: 650 µg/m³ (The values given are 24-hour averages.)
	Winter Season Avg. (October 1 – March 31) To protect human health	200 µg/m³	The limit value is 90 µg/m³ starting from 1.1.2009 until 1.1.2014 It decreases annually by an equal amount every 12 months until it reaches (45% of the limit value).	
	UVS (Annual) To protect human health	150 µg/m³	Starting from 1.1.2009, the limit value decreases annually by an equal amount every 12 months until it reaches 60 µg/m³ (40% of the limit value) until 1.1.2014)	
Industrial Air Pollution Control Regulation	24 Hours (Cannot exceed more than 35 times in a year)	50 µg/m³	-	-
	Yearly	40 µg/m³	-	-

IFC Environmental, Health and Safety (EHS) Guidelines: Air emissions oath ambient air Quality	24 Hours	-		Temporary Target-1: 150 µg/m³ Temporary Target-2: 100 µg/m³ Temporary Target-3: 75 µg/m³ Directive: 50 µg/m³
	1 Year	-		Temporary Target-1: 70 µg/m³ Temporary Target-2: 50 µg/m³ Temporary Target-3: 30 µg/m³ Directive: 20 µg/m³

Within the scope of the activity, the issues specified in the "Regulation on Control of Industrial Air Pollution", "Air Quality Assessment and Management Regulation" and the Air Emissions and Ambient Air Quality Guide published by the International Finance Corporation will be complied with.

5.1.7 **Exhaust Gas Emission**

Within the scope of the sub project, exhaust gas emissions will occur due to the vehicles used during the transportation of photovoltaic panels, materials and equipment to the sub project area, and will have a slight impact on the existing air quality. In this regard, the provisions of the "Exhaust Gas Emission Control Regulation" will be complied with in order to minimize the exhaust gas emissions arising from the vehicles to be used within the scope of the sub project. Maintained and repaired vehicles will be used.

5.1.8 **Noise**

During the construction phase of the sub project, the noise level will vary throughout the day. However, since the work will be carried out during daylight hours, noise generation will be limited.

It is thought that after the installation of the power plant, the noise level that the equipment will emit to the environment during operation, especially the inverter panel and substation equipment, will be below 25 dB and therefore it will not pose any problem as the noise will completely disappear at a distance of 60-80 m. Considering that the nearest residential area is 1 km away and the noise during the construction phase will end within 3 weeks, it will not pose any problem. In addition, the determined values are below the limit values given in national and international legislation. A grievance mechanism will be implemented regarding these issues. Noise calculation is given in the attachment (See ANNEX-12).

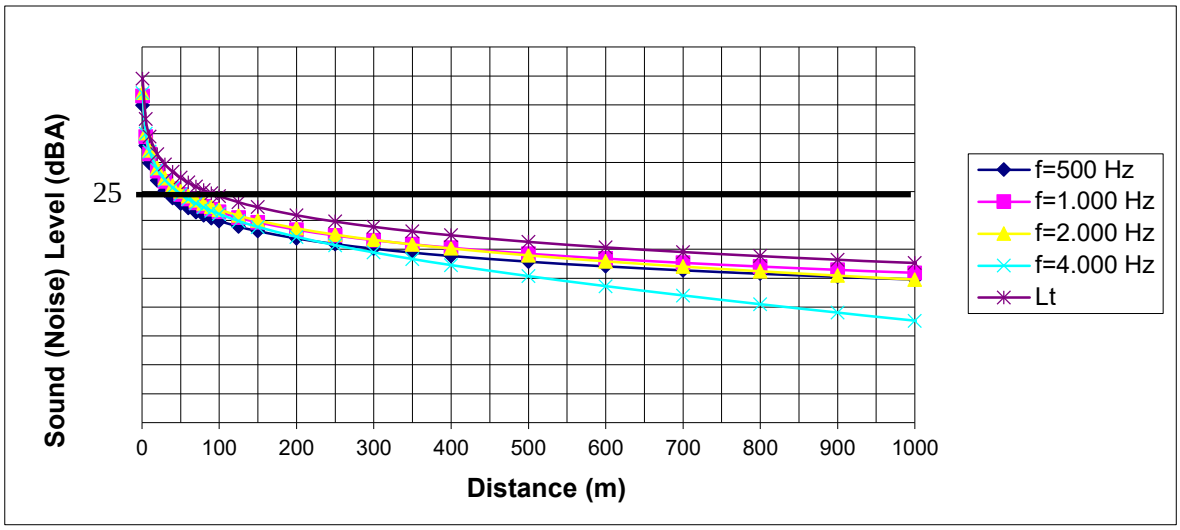


Figure 15. Construction PhaseNoise Distribution Graph by Distance

Table 6. Environmental Noise Level Border Values

Noise Source	**Measured Parameter**	**Environmental Noise Level**		
		Daytime	**Evening**	**Night**
Industrial facilities, transportation resources	LA eq, 5 min.	**65dB(A)**	60dB(A)	55dB(A)
Businesses that broadcast music	LA eq, 63-250 Hz.	60dB(A)	55dB(A)	50dB(A)
Workplaces	LA eq, 5 min.	Background + 5 dB (A)		Background + 3 dB (A)
If there is more than one workplace	LA eq, 5 min.	Background + 7 dB (A)		Background + 5 dB (A)
All sources	LCmax _	100dB(C)		

Table 7. IFC Noise Management – Limit Values

Noise Source	**Environmental Noise Level**	
	Daytime	**Nighttime**
	07:00 – 22:00	**22:00 – 07:00**

Residential, Corporate	**55dB(A)**	45dB(A)
Educational Place, Industrial, Commercial	70dB(A)	55dB(A)

The noise emissions that will occur during the land preparation and construction phases of the sub project remain below the limit values given in both the Environmental Noise Control Regulation and the Environment, Health and Safety Guides (Noise Management) published by the International Finance Corporation.

In the calculation, it is assumed that all vehicles and equipment operate simultaneously, there are no obstacles between noise sources and receivers, and noise sources operate uninterruptedly. There will actually be less noise.

In order to keep the noise level to a minimum, care will be taken to operate a minimum number of well-maintained vehicles and equipment at the same time. During construction work, not all vehicles will operate at the same time. The tools will operate in a specific order. In addition, the fact that the works will be carried out at certain times of the day (07:00 - 19:00) may limit noise generation to some extent.

Annex-2 (Measurement *and Monitoring of Environmental Noise Level) of the* "Environmental Noise Control Regulation" in the Official Gazette dated 30.10.2022 and numbered 32029; Table 1. Environmental Noise Level Limit Values will be followed.

In order to protect people within the scope of the sub project from risks involving health and safety information as a result of exposure to noise, the "Regulation on the Protection of Employees from Risks Related to their Departments" will be complied with.

In addition, the provisions of the "Regulation on Occupational Health and Safety in Construction Works" and the "Regulation on the Use of Personal Protective Equipment in Workplaces" will be followed.

For the noise levels of the equipment to be used, the provisions of the "Regulation on Noise Emission in the Environment Created by Equipment Used in Open Areas" will be complied with.

In addition, within the scope of the sub project, action will be taken in accordance with the Environment, Health and Safety Guides (Noise Management) published by the International Finance Corporation.

5.1.9 **Glare and Sparkle Effect**

Another effect of solar power plants is the glare and sparkle effect that occurs as a result of the image or light created by direct sunlight or a bright sky on the panels. Although the severity of glare and sparkle effects vary depending on the time of year and the geographical location of the power plant, the importance of the effect depends on variables such as potential receptor points (settlements in the impact area, transportation routes,

airports, etc.). Since photovoltaic panels absorb sunlight, the glare and sparkle effects in PV type systems are lower than in systems using other solar energy technologies.

Photovoltaic panels are designed to maximize absorption and minimize reflection to increase electricity generation efficiency. To limit reflection, photovoltaic panels are made of dark, light-absorbing materials and coated with an anti-reflective coating. Today's panels reflect an average of 2% of incoming sunlight.

According to the U.S. Federal Aviation Administration (FAA), current solar panels reflect slightly more light than black asphalt, on par with bodies of water and well below bare soil, vegetation, roofs, glass, snow or metal.[2]

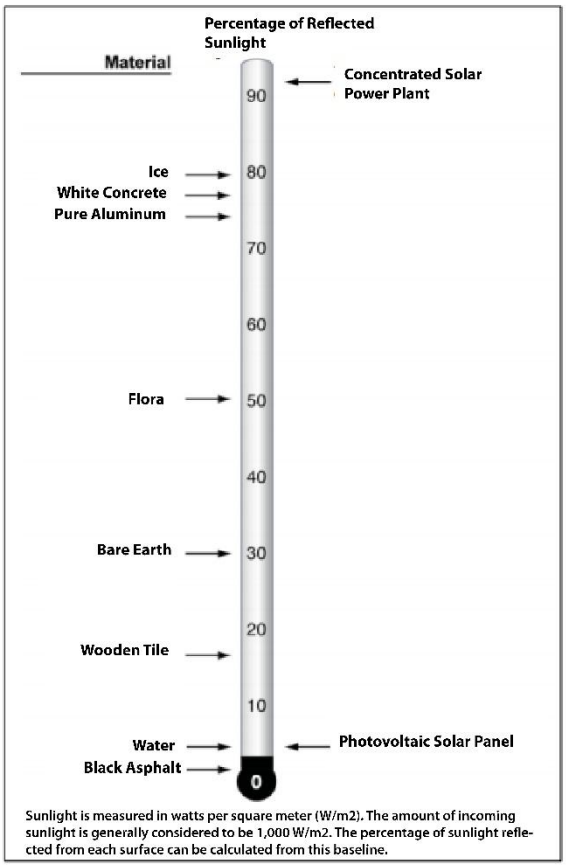


Figure 16. Sunlight Reflectance Percentages of Various Materials

Source:https://www.savemoneycutcarbon.com/learn-save/do-i-need-to-worry-about-glare-from-solar-panels/

Against possible glare and sparkle effects, points where there is a risk of reflection will be determined and in the first year of operation, vegetal or artificial curtains will be applied

[2]https://www.savemoneycutcarbon.com/

at the necessary points according to visual monitoring and complaints from nearby settlements.

5.1.10 **Evaluation According to Bird Migration Routes**

Türkiye constitutes the southeastern borders of the wide geography defined as the Western Palearctic region. Every year, in spring and autumn, during periods defined as migration periods, very regular and large-scale bird migrations occur between the Western Palearctic Region and the central, eastern and southern parts of the African continent.

While one of these routes passes over the Bosphorus, the other one enters Türkiye from the Caucasus, passes through Northeastern Anatolia, and leaves our country from the south, like the first route. In spring and autumn, these movements are exhibited in opposite directions. Türkiye is located on the most important bird migration routes between Europe and Africa, and due to its location, the areas on the migration routes are of great importance. The sub-project area is not located on the bird migration routes of Turkiye.

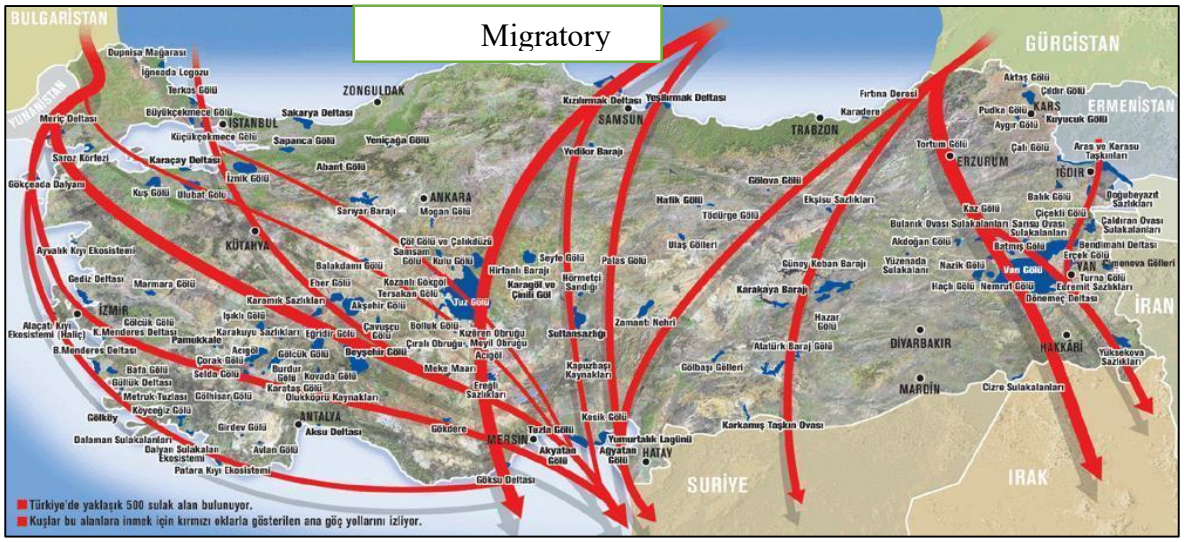


Figure 17. Migratory Bird Migration Routes Map

5.1.11 **Biodiversity**

No significant, ecologically sensitive, or protected flora and fauna species have been identified within the sub-project area. Therefore, the construction activities are not expected to have a significant impact on natural habitats.

In line with the objectives of OP 4.01, the presence of these trees has been documented as part of the baseline environmental conditions, and no adverse impacts are anticipated. The project layout has been designed to avoid any interference with the fig trees, and all construction activities will remain within the designated fenced area. As a precautionary measure, the project includes mitigation measures (see Table 8) to minimize indirect impacts such as dust emissions, which could affect nearby vegetation.

The sub-project will continue to monitor the protected area throughout construction and operation to ensure that no unintentional harm occurs. In the event of any unforeseen interaction with the fig trees or the surrounding land, appropriate adaptive management measures will be taken in line with the principles of OP 4.01.

5.1.12 **Natural Habitats**

In Türkiye, ecologically protected areas under the legal legislation under the responsibility of the Republic of Türkiye Ministry of Agriculture and Forestry, General Directorate of Nature Conservation and National Parks; National Parks, Nature Conservation Areas, Wildlife Development Areas, Wild Animal Settlement Areas, Natural Parks, Natural Monuments, Ramsar Areas and Wetlands.

In Türkiye, areas that are ecologically protected by the legal legislation under the responsibility of the Ministry of Environment, Urbanization and Climate Change of the Republic of Türkiye; they are Special Environmental Protection Areas.

When the sub project area is evaluated according to the ecologically protected areas under the legal legislation under the responsibility of both the Ministry of Agriculture and Forestry, General Directorate of Nature Conservation and National Parks and the Ministry of Environment, Urbanization and Climate Change of the Republic of Türkiye, National Parks, Nature Conservation Areas, does not fall within Wildlife Development Areas, Wild Animal Settlement Areas, Natural Parks, Natural Monuments, Ramsar Areas, Wetlands and Special Environmental Protection Areas.

The closest protected areas to the sub project area are Şarlan Nature Park, located in the southwest direction of the sub project area and approximately 13,7 km away, and Çağlayan Nature Park, located in the northeast direction and approximately 21,2 km away from the sub project area. The satellite image showing the distance between the sub project area and nature parks is given Figure 18**Hata! Başvuru kaynağı bulunamadı.** and Figure 19**Hata! Başvuru kaynağı bulunamadı.**.

Figure 18. Sub project Area – Şarlan Nature Park Distance

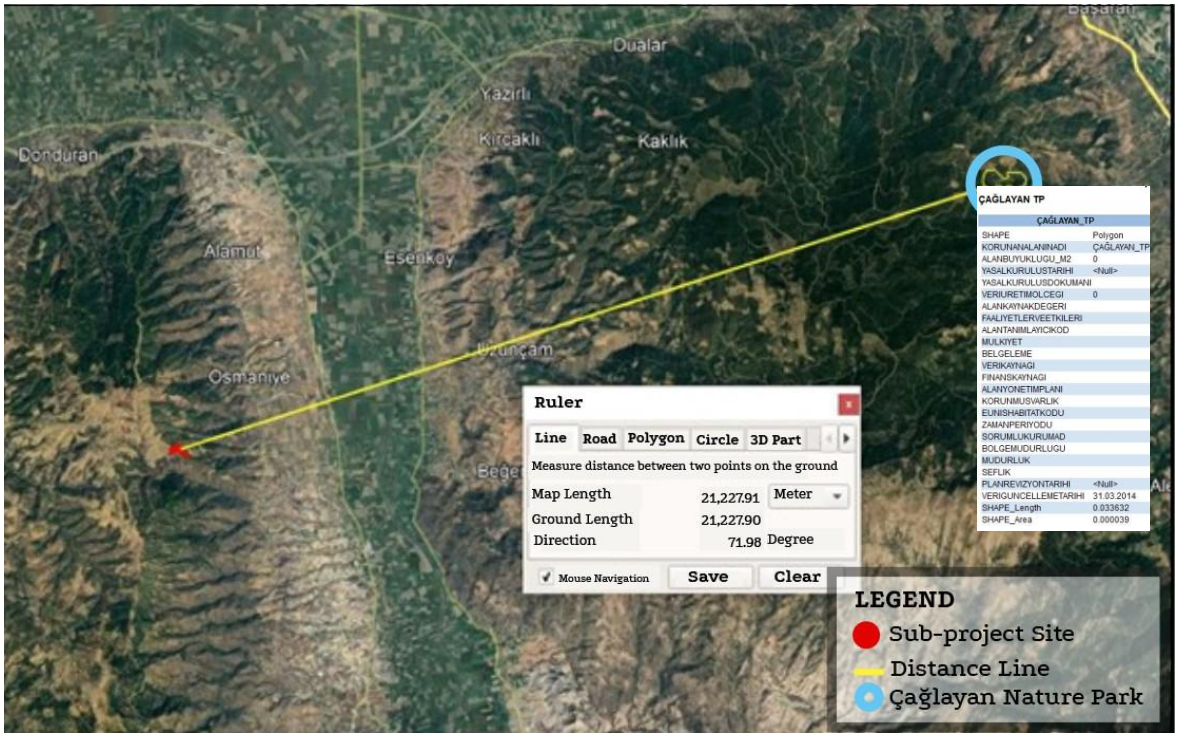


Figure 19. Sub project Area – Çağlayan Nature Park Distance

5.1.13 **Agriculture and Forestry Areas**

The sub project area is described as agricultural land in the land registry records and plans. The relevant opinion letter is attached (See ANNEX-9).

In this accordingly, activities will not be started without obtaining a "Non-Agricultural Use Permit" within the scope of Soil Conservation and Land Use Law Number 5403. An application was made to the Provincial Directorate of Agriculture and Forestry for Non-Agricultural Use Permit via the TAD Portal. Non-agricultural use permit is granted in ANNEX-26.

The activity area subject to the sub project does not fall within the scope of areas qualified as "Forest Area". The opinion letter of Muğla Regional Directorate of Forestry dated 07.09.2020 and numbered 1852895 is attached (See ANNEX 9-). Accordingly, the area covered with trees will be allocated. In this regard, since the energy transmission line is partially within the forest restriction boundaries, a Forest Permit must be obtained from Muğla Regional Directorate of Forestry in accordance with paragraph 17/3 of the Implementation Regulation of Article 17 of the Forest Law No. 6831. In this context, permission received was given in ANNEX-27.

5.2 Social Risks

5.2.1 Population/Demographics

The sub-project activities are not expected to cause any major or minor population or demographic changes. Since a 9-person work crew is planned during the construction phase, the influx of temporary workers is not expected to create a burden on local services and infrastructure. During the operational phase, two personnel are planned. These unarmed security personnel will be responsible for the security of the facility.

No significant negative impacts on land users or livelihoods are expected. However, if unforeseen impacts occur during construction or operation, affected individuals will be able to report their concerns via the established grievance mechanism. Social risks will be continuously monitored.

5.2.2 Economy/Employment

During construction, priority will be given to contributing to the local economy by using local materials and paying attention to providing various goods and services locally.

Additionally, no camping area will be established for workers during the construction period. Within the scope of the subproject, it is planned to meet the personnel needs as much as possible from local people.

Since there are no agricultural, animal husbandry or grazing activities on the sub-project area, there is no risk of loss of livelihood. Accordingly; no negative impact on the economy/employment is expected.

Regarding the ETL route, a site-specific assessment has been conducted to evaluate potential impacts on agriculture and livelihoods. The ETL route passes through areas where no agricultural cultivation, animal husbandry, or grazing activities are currently carried out. In addition, while there are some trees in the general vicinity of the ETL route, the planned alignment avoids all individual trees; therefore, no tree cutting will be required.

As a result, no loss of livelihood or negative impact on local economic activities is expected due to the construction or operation of the ETL. Nevertheless, in case of any unforeseen impacts, affected persons may report their concerns through the established grievance mechanism.

Detailed assessment is provided in the subproject specific ALAP.

5.2.3 **Cultural Heritage**

There are no cultural assets in the Subproject area. Therefore, no impact on cultural heritage is foreseen within the scope of the Subproject.

A chance find procedure has been prepared to manage the activities in terms of cultural heritage (see ANNEX-30 CHANCE FIND PROCEDURE). The contract with the contractor involved in the construction work will include clauses on the implementation of the chance find procedure. The chance find procedure will be shared with the contractor as an annex to the contract, and relevant personnel will be trained and familiarized with it. In the event that any archaeological remains or artifacts are found during construction, all activities will be halted, recorded as specified in the chance find procedure and reported to the Museum Directorate in accordance with Article 4 of Law No. 2863.

5.2.4 **Land Acquisition / Use**

Although no physical displacement or land acquisition is currently required within the project footprint, several social risks may arise during the construction and operation phases.

Temporary impacts such as dust, noise and restricted access to nearby agricultural land may affect nearby land users. Even if abandoned, the presence of previously used informal structures on lot 1 of block 108 may cause uncertainty or claims from individuals who once used them.

Additionally, should the associated ETL require expropriation, a transparent and participatory land acquisition process will be essential to prevent grievances. The sub-project GM will be made available throughout all phases to address any unforeseen claims or disruptions related to land use or access.

The measures presented in the ESMP will be complied with by the Bozdoğan Municipality and Subcontractors in order to create temporary security measures for the construction works to be carried out around the project area in order to avoid causing any inconvenience to the citizens.

5.2.5 **Working Conditions and Occupational Health and Safety**

It is planned to employ 9 personnel during the construction and machinery-equipment installation activities of the solar power plant and 2 personnel during the operation phase. The construction phase of the subproject includes excavation, filling and heavy vehicle use. Vehicle movements can cause accidents resulting in injury and death. Occupational Health

and Safety (OHS) risks may arise due to the risk of pollution, dust emissions and noise generation during site preparation and construction works. In particular, construction works may cause accidents that will threaten the health and safety of employees, if necessary, precautions are not taken. In this context, the Project Owner and Subcontractor are obliged to provide a safe and healthy working environment for employees. During the construction period, workers are exposed to noise, dust, heat, chemicals, etc. may be exposed to various dangers. If potential risks at various stages of the sub project are not managed appropriately, occupational accidents and injuries may occur. Potential accidents that may occur during the operation phases of the projects may cause potential health problems due to non-routine risks. So, Risk Evaluation Report will be prepared which will include all activities on the site, respectively for construction and operation phases.

It will be ensured that employees are informed with properly work instructions about their job descriptions, responsibilities and risks that may threaten health and safety related to the work performed.

Bozdoğan Municipality will require all employees and contractors to comply with local and international health and safety legislation and guidelines. This will include the use of appropriate personal protective equipment (PPE), hearing protection and the implementation and adherence to a management system for activities associated with health and safety risks.

The risk of accidents that may arise from the technology and materials to be used within the scope of the sub project will be low if occupational health and safety legislation is strictly followed.

No campsite will be set up for workers during construction. Accommodation is the responsibility of the contractor company. There will be no accommodation in the construction area. Access from the accommodation area to the sub-project site will be provided by contractor. In case of additional personnel need, it is planned to be met by local people as much as possible.

During working hours, appropriate rest areas, access to potable water, and adequate sanitation facilities (e.g., toilets and handwashing stations) will be provided on-site by the contractor to ensure workers' health, hygiene, and well-being. These facilities will comply with national occupational health and safety regulations and will be regularly maintained.

Bozdoğan Municipality will be responsible for human resources for the construction and operation periods. Turkiye is currently in the middle of its harmonization process with the European Union and its labor laws are being reviewed to ensure compliance. The sub project will comply with national labor, social security and occupational health and safety laws, World Bank Environment, Health and Safety Guidelines and International Labor Organization convention principles and standards.

The Subcontractor will provide training to its personnel during the execution of the works regarding the environmental and social impacts that must be considered during field activities, as outlined in the Environmental and Social Management Plan (ESMP). Personnel will also be informed about all necessary precautions to prevent and/or minimize these

impacts during field implementation. In addition, all these processes will be monitored and controlled by the Bozdoğan Municipality.

Furthermore, the Subcontractor will be responsible for implementing and complying with the Occupational Health and Safety Management Plan and the Emergency Preparedness and Response Plan prepared specifically for the sub project. These documents define the responsibilities, procedures, and actions to be followed in order to ensure a safe working environment and effective emergency response.

All these processes, including training, monitoring, and compliance with the relevant plans, will be overseen and controlled by the Bozdoğan Municipality.

5.2.6 **Community Health and Safety**

Community health and safety issues that may arise during the construction and operation phases of the subproject;

- Improper waste management during the construction and operation phases can lead to environmental pollution and create risks to public health and hygiene in nearby communities.
- Dust and noise emissions, especially during the construction phase, can negatively affect vulnerable and disadvantaged groups such as children, the elderly and people with pre-existing health problems.
- Increased traffic due to construction and transportation activities can pose risks to pedestrian and vehicle safety and potentially lead to traffic accidents.
- Unauthorized public access to the construction site due to inadequate fencing or inadequate warning signs and not available person as site observer person lead to physical hazards such as falls, injuries or other accidents.
- Potential risks associated with excavation and the operation of heavy machinery, including collisions, entrapment, or mechanical failures, can pose significant safety hazards to workers and nearby persons if not properly managed.

Bozdoğan Municipality will take reasonable precautions to prevent occupational accidents, injuries and illnesses on site, including measures to reduce and prevent the risk of injury or illness, as well as the risk of exposure to harmful levels of environmental factors and chemicals. In this context, a project-specific “Emergency Preparedness and Response Plan” should be prepared.

Bozdoğan Municipality will require all employees and contractors to comply with local and international health and safety legislation and guidelines. This will include the use of appropriate personal protective equipment (PPE), the implementation and adherence to a management system for activities associated with health and safety risks.

The risk of accidents that may arise from the technology and materials to be used within the scope of the sub project will be low if occupational health and safety legislation is strictly followed.

The sub-project will be implemented in compliance with the requirements of the applicable national legislation, international agreements and conventions to which Türkiye is a party of, and in accordance with the WB operational policies and WB Group General Environmental, Health and Safety Guidelines (EHSGs) (2007).

During the laying of the ETL, especially where the route crosses private land parcels, measures will be taken to ensure the safety and well-being of the local population. These include prior notification to landowners, establishment of physical barriers and warning signs around excavation areas, ensuring alternative access routes where needed, and minimizing noise and dust through best construction practices. The contractor will be responsible for implementing these measures, while the site supervision consultant will monitor compliance. The Bozdoğan Municipality will ensure community engagement and handle any grievances raised.

5.3 Land Preparation and Construction Phase Mitigation Plan

Table 8. Land Preparation and Construction Phase Mitigation Plan

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
OCCUPATIONAL (HEALTH AND SAFETY (OHS)	Inappropriate Working Conditions	Employees	Direct	Moderate	Bozdoğan Municipality will establish a team of Occupational Health and Safety (OHS) professionals with sufficient capacity to manage, monitor, and report on OHS issues before the commencement of field activities, in full compliance with applicable legislation. Bozdoğan Municipality will set up a Grievance Mechanism to allow workers to raise concerns related to their workplace. Workers will be informed about the mechanism upon recruitment, and easy access to it will be ensured. Bozdoğan Municipality will prioritize the welfare of the local workforce throughout the sub-project, thereby ensuring that both affected workers and surrounding communities benefit positively.	Bozdoğan Municipality,
					The Supervision Consultant is responsible for reviewing, approving, and monitoring the adequacy of the comprehensive risk assessment document prepared by the contractor. This document must specifically address sub-project risks and define appropriate mitigation measures. The Supervision Consultant will monitor and report on the implementation of all Occupational Health and Safety (OHS), emergency response, and other relevant plans developed by the contractor. The Supervision Consultant will conduct ongoing monitoring for any violations of working conditions and labor rights, ensuring full compliance with ESS2.	Supervision Consultant

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
					The Contractor shall ensure that all employees, including subcontractor staff, receive the necessary Occupational Health and Safety (OHS) training that addresses the risks identified in the approved project-specific documentation. The Contractor shall strictly prohibit the use of child labor, forced labor, and unregistered labor in all activities related to the sub-project. The Contractor shall take all necessary preventive measures at both tendering and contracting stages to ensure that the sub-project does not involve or lead to risks such as child labor, forced labor, or related practices. The Contractor shall manage all serious safety risks associated with primary suppliers and their workers in accordance with the Occupational Health and Safety Sub-Management Plan. Near-miss events and all accidents shall be reported promptly, with accidents reported within 24 hours. The Contractor shall provide all workers with clear, comprehensible, and documented information regarding their rights under national labor laws, including collective agreements, working hours, wages, overtime, compensation, and benefits. This information shall be given at the beginning of the employment relationship and updated whenever significant changes occur. The Contractor shall issue written contracts to all subcontractors, detailing job descriptions, legal rights and obligations, and incorporating a clear Code of Conduct. The Contractor shall prepare a comprehensive risk assessment document that identifies project-specific hazards and outlines applicable mitigation measures. The Contractor shall develop and distribute all required sub-project management plans—including safe working procedures, the OHS Management Plan, and the Emergency Preparedness and Response Plan—to relevant employees before the commencement of any site activities.	Contractor
	Gender-Based Violence (GBV), Sexual Exploitation Abuse / Sexual Harassment (SEA/SH)	Employees	Direct	Moderate	Bozdoğan Municipality shall organize awareness meetings with affected communities to raise knowledge and understanding of Gender-Based Violence (GBV) and Sexual Exploitation and Abuse/Sexual Harassment (SEA/SH). Bozdoğan Municipality shall ensure the implementation of a Worker's Grievance Mechanism (GM) that specifically allows for the safe and confidential reporting of GBV and SEA/SH-related complaints.	Bozdoğan Municipality,
					The Supervision Consultant shall ensure that the Construction Contractor and the management of both consultants are sensitized on GBV and SEA/SH-related risks and responsibilities. The Consultant shall monitor the contractor's compliance with training, awareness, and grievance handling procedures related to GBV/SEA/SH.	Supervision Consultant

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
					The Contractor shall provide mandatory training to all sub-project employees on GBV and SEA/SH, prior to the commencement of works. The Contractor shall ensure that all employees sign a Code of Conduct explicitly covering GBV and SEA/SH, and that each worker understands its implications.	Contractor
	Physical Hazards: Lifting Operations OHS Risks	It may pose a life-threatening risk to employees	Direct	Moderate	The Contractor shall ensure that all lifting areas are enclosed with appropriate fencing to prevent unauthorized access during lifting operations. The Contractor shall install clear and visible warning signs in all areas where lifting activities are taking place. The Contractor shall implement and enforce safety procedures for all lifting operations, in compliance with national regulations and international best practices. All lifting operations shall be conducted by a qualified, trained, and certified lifting team, using proper communication systems and a designated flagman to guide the operation. The Contractor shall provide all workers involved in lifting activities with the necessary Personal Protective Equipment (PPE) and appropriate safety materials. All lifting equipment—such as slings, chains, hooks—must be technically inspected prior to each use, and proper records of these inspections shall be maintained in accordance with local safety legislation. The legal periodic inspection certificates for lifting machinery, as well as the operator's license/certification, must be up to date and available on-site.	Contractor
	Physical Hazards: Electrical Hazards	It may pose a life-threatening risk to employees	Direct	Moderate	Regularly inspect whether the contractor implements all specified electrical safety precautions. Report compliance with occupational health and safety legislation and World Bank ESS. .	Bozdoğan Municipality,

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
					To regularly inspect whether all the precautions specified below are taken by the contractor. To report compliance with occupational safety legislation and World Bank standards. Clearly define the environmental, social, and occupational health and safety (OHS) responsibilities of contractors and consultants during contract preparation. These responsibilities should cover issues such as mitigation measures, monitoring frequency, stakeholder engagement, grievance mechanisms, and compliance with national legislation and World Bank Environmental and Social Standards (ESS). Regularly monitor on-site OHS practices and reports submitted by the consultant. Promptly address any deficiencies or unsafe conditions to ensure compliance with relevant legislation and the continuity of safe working conditions	Supervision Consultant

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
					No one without a valid certification on vocational training on electricity will be allowed to work on electrical installations. Ensure that all energized electrical devices and lines are marked with warning signs; Ensure that the devices are locked (de-charging and leaving open with a controlled locking device) and labeled (warning sign placed on the lock) during service or maintenance; Ensure that all electrical cords, cables, and hand power tools are checked for frayed or exposed cords. Also, ensure that the manufacturer's recommendations for the maximum permitted operating voltage of portable hand tools are followed; Ensure that all electrical equipment used in environments that are or may be wet is double insulated/grounded; use equipment with ground fault interrupter (GFI) protected circuits; Ensure that power cords and extension cords are protected against damage from traffic by shielding or suspending above traffic areas; Ensure that high-voltage equipment ('electrical hazard') and service rooms where access is controlled or prohibited are properly labeled; Ensure that "No Approach" zones are established around or under high voltage lines; Ensure that construction vehicles or other vehicles with rubber tires that come into direct contact with or arc across high-voltage cables are taken out of service for 48 hours; Ensure that all buried electrical cables are thoroughly identified and marked prior to any excavation work. Ensure that special training programs are organized for employees on electrical hazards and safety precautions. Ensure that rapid response teams and emergency plans are established for electrical accidents. Ensure that regular electrical safety inspections are conducted in the subproject area. Ensure that periodic inspections are conducted to ensure that employees use appropriate personal protective equipment (PPE). Ensure that all buried electrical cables are thoroughly identified and marked prior to any excavation work. A “Lockout Tagout” (LOTO) Procedure specific to the subproject should be prepared, personnel should be trained and its implementation should be supervised.	Contractor

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
	Fire Safety Prevention Measures and Emergency Response	It may pose a life-threatening risk to employees	Direct	Moderate	Define the contractor's obligations regarding project fire safety in the contracts.To warn the contractor if there are deficiencies in the consultant's reports regarding fire safety. To provide support if necessary to coordinate with local authorities regarding fire safety.	Bozdoğan Municipality
					To check whether all contractor obligations regarding project fire safety are fulfilled on site. To coordinate with the employer and contractor to ensure compliance with legislation and World Bank standards. To check whether all contractor obligations regarding project fire safety are fulfilled on site. To coordinate with the employer and contractor to ensure compliance with legislation and World Bank standards.	Supervision Consultant
					Ensure all employees are trained for their responsibility to report dangers and firefighting measures Ensure that all flammable and hazardous materials are stored in designated, secure areas away from ignition sources. Ensure firefighting systems and equipment are available an according to legislations. Ensure fire and emergency drills are conducted regularly an according to legislations. Designate trained fire wardens for each area to lead evacuations and coordinate with emergency responders. Keep an up-to-date list of emergency contacts, including local fire departments and hospitals, for quick access in case of fire. Ensure according to legislation appropriate number of trained first-aiders are present within the subproject area.	Contractor

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
	Physical Hazards: Ergonomics, Repetitive Motion, Manual Handling Lifting	It may pose a life-threatening risk to employees	Direct	Moderate	To review the consultant reports and guide the contractor if there are any deficiencies.	Bozdoğan Municipality,
					To determine and follow up the general policies and targets related to OHS. To monitor whether the contractor's obligations are implemented on site. To ensure that the responsibilities of the contractor and consultant are defined in the tender and contract documents.	Supervision Consultant

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
					To report that training is provided and appropriate PPE is provided. Ensure that health checks and physical examinations of employees are carried out at least once a year. Establish clear weight limits for manual handling tasks and label heavy loads accordingly; Ensure that mechanical assists are used to eliminate or reduce the effort required to lift materials, hold tools and work objects, and that more than one person is lifting if weights exceed thresholds; Ensure that tools are selected and designed that reduce force requirements and holding times and improve postures; Ensure that user-adjustable workstations are provided; Ensure that rest and stretch breaks are incorporated into work processes and job rotation is in place; Ensure quality control and maintenance programs are in place that reduce unnecessary forces and effort; Ensure that additional special circumstances, such as left-handed people, are considered. Ensure employees receive manuel handling training. Provide appropriate PPE's the employees.	Contractor
	Physical Hazards: Welding and Hot Works	It may pose a life-threatening risk to employees	Direct	Moderate	To evaluate the consultant reports and ensure that the contractor is intervened in case of any non-compliance.	Bozdoğan Municipality,

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
					To check whether the contractor's obligations are in practice. To ensure that corrective/preventive actions are initiated when necessary.	Supervision Consultant
					Ensure that appropriate eye protection, such as welder's goggles and/or a full-face shield, fireproof leather welder uniform and respiratory protection are provided for all personnel involved in or assisting with welding operations; If welding or hot cutting is performed outside of established welding work stations, ensure that special hot work and fire prevention precautions, including working area separation and Standard Operating Procedures (SOPs) are in place, including "Hot Work Permits, stand-by fire extinguishers, stand-by fire watch and maintaining fire watch for up to one hour after welding or hot cutting is finished"; Ensure that areas where welding or hot work is performed are cleared of flammable materials (e.g. fuel, solvent, spark-ignitable materials) and should be checked regularly. Ensure that all employees are trained and informed about welding operations and the safe management of hot work. Develop specific procedures for hot work on tanks or vessels containing flammable materials. To ensure that the contractor and consultant are clearly defined in the tender and contract documents.	Contractor
	Physical Hazards: Chemical Hazards	It can pose life-threatening risks to the environment, humans and other	Direct	Moderate	To monitor the contractor's obligations in line with consultant reports, To control compliance with relevant legislation and World Bank requirements at a general level.	Bozdoğan Municipality,

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
		living things.			To periodically inspect whether the contractor's obligations are being implemented. To ensure that corrective measures are taken when necessary and to report to the administration. To ensure that obligations related to chemical substance management are included in tender documents and technical specifications.	Supervision Consultant
					Ensure that the hazardous substance is replaced with a less hazardous substitute; Ensure that engineering and administrative control measures are in place to prevent or minimize the release of hazardous substances into the working environment, keeping the exposure level below internationally established or recognized limits; Ensure that the number of workers exposed or likely to be exposed is minimal; Ensure that chemical hazards are communicated to workers through labeling and marking according to nationally and internationally recognized requirements and standards, including International Chemical Safety Cards (ICSC), Safety Data Sheets (SDS/SDSs) or equivalent. Any means of written communication should be in an easily understood language and be readily available to exposed workers and first-aid personnel; Ensure that employees are trained in the use of available information (such as SDSs), safe working practices, fire fighting methods and proper use of PPE. Ensure workers have access to suitable personal protective equipment (PPE), such as gloves, respirators, goggles, and protective clothing, based on the specific chemical hazards. Store hazardous substances in designated areas with appropriate ventilation, labeling, and secure containment to prevent accidental exposure or spills. Develop and implement a spill response (as a part of Emergency Response Plan) that includes containment, cleanup, and disposal of hazardous substances, along with emergency contact information. Dispose of chemical waste according to regulations to prevent environmental contamination and worker exposure. Regularly inspect and maintain chemical handling equipment, storage areas, and PPE to prevent leaks or accidental releases.	Contractor

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
OHS INCIDENTS	Recurring OHS incidents	Failure to systematically record, investigate and address all occupational health and safety incidents with appropriate corrective actions will prevent regular monitoring to identify root causes and prevent recurrence.	Direct	Moderate	Audits consultant reports and contractor performance, Implements sanctions or suspends activity if necessary, Makes official notifications to financing institutions such as the World Bank. Notifies İLBANK immediately in case of any serious or severe incident/accident, in accordance with the ESIRT procedures.	Bozdoğan Municipality
					Checks the OHS reports submitted by the contractor, Identifies deficiencies by making on-site observations, Warns and reports to the contractor when necessary.	Supervision Consultant
					To take the necessary precautions to prevent OHS incidents, To record all incidents that occur (accidents, near-misses, unsafe situations, etc.), To implement corrective/preventive actions after the incident, To submit OHS reports to the consultant and the employer regularly. In case of serious/severe incident: In case of the serious/severe accident on the project sites, according to ESIRT Incident Calcification Guide: The Contractors will inform the Supervision Consultant and/or the Bozdoğan Municipality in 24 hours with basic information; inform appropriate authorities in compliance with local regulations; secure the safety of workers, public, and provide immediate care. A detailed incident report including the following will be submitted within 15 working days: Root cause analysis and corrective action plan on: Immediate mitigation measures in case of continuing danger (e.g. fencing, signboard, guards) Compensation to the affected family based on a clear rationale Risk assessment and correct application of ESHS management procedures, Medium- and long-term mitigation measures including enhancement of safety measures, audits, and additional training.	Contractor

	Municipal waste caused by personnel working in the sub project area Packaging waste from personnel In addition, there are hazardous waste, waste batteries and accumulators. It is possible for panels to become damaged/idle.	When not disposed of, it causes contamination of underground and surface water resources, soil pollution and odor problems for human health.	Indirect	Moderate	To ensure the disposal of household solid waste that cannot be recycled.	Bozdoğan Municipality

SOLID WASTE- HAZARDOUS WASTE- MEDICAL WASTE- PACKAGING WASTE					Monitoring the entire process, reporting and checking whether the contractor is operating in accordance with the legislation.	Supervision Consultant

					Municipal waste will be generated due to a total of 9 personnel who will work during the land preparation and construction phases of the project. Among the wastes that can be generated, recyclable (paper, plastic, glass, etc.) and non-recyclable wastes (food scraps, etc. organic waste) will be collected separately in garbage containers placed at various points of the sub project site. Wastes that can be recycled will be sent to licensed recycling companies; Domestic solid waste that cannot be recycled will be disposed of by giving it to the relevant Municipality. For the packaging waste generated in the sub project area, in accordance with the colors specified within the scope of the "Zero Waste Regulation" published in the Official Gazette No. 30829 dated 12.07.2019 (blue color for paper waste, yellow color for plastic waste, gray color for metal waste, green color for glass waste). and black for non-recyclable waste) waste bins will be provided, a Zero Waste Management System will be established and data of the waste collected for the previous month will be entered into the Integrated Environmental Information System (e- çbs) within the framework of the relevant regulation by the 15th of each month. Since the solid waste that will be generated within the scope of the sub project will not be stored in the sub project area for a long time, it will not cause any problems such as odor, appearance or leakage. All solid wastes (food scraps, packaging paper, pet bottles, glass bottles, etc.) to be generated within the scope of the sub project are subject to the "Waste Management Regulation", "Packaging Waste Control Regulation", "Zero Waste Management Regulation", which came into force after being published in the Official Gazette dated 02.04.2015 and numbered 29314. It will be disposed of in accordance with the “Waste Regulation”. Panels, switches, solar regulators, inverters, etc that break down and become idle during or after the activity in question. The materials will be temporarily stored in the Hazardous Waste Storage Area in the existing facility, classified according to their properties and delivered to licensed recycling companies for recycling. Wastes that cannot be recycled will be given to licensed companies to be disposed of in accordance with the conditions specified in the "Waste Management Regulation", which came into force after being published in the Official Gazette dated 02.04.2015 and numbered 29314.	Contractor

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
AIR POLLUTION	Dust emissions from excavation works and exhaust gas from construction machinery and vehicles to be used during the land preparation and construction phase of the project emissions will occur.	Emissions may temporarily cause air pollution and indirectly soil and water pollution. It will also have temporary effects on human health and	Direct	Moderate	Ensure that all necessary environmental permits and licenses for the project are obtained. Oversee and monitor the project's compliance with environmental legislation and World Bank standards. Review inspection results from the supervision consultant and contractor, and enforce sanctions if non-compliance is identified. Ensure enforcement of local air quality and environmental protection regulations within municipal boundaries to protect public health and the environment. Respond to community complaints and environmental issues arising during the project, and maintain communication with the public. Coordinate with relevant authorities and stakeholders in case of emergencies, such as excessive dust emissions or health risks related to exhaust gases.	Bozdoğan Municipality
					Checks whether the contractor's obligations are implemented in accordance with the legislation.	Supervision Consultant

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
		flora and fauna in the close vicinity			In order to minimize dust emissions that will occur during the land preparation and construction phase; Irrigation will be done with water sprinklers on the road routes, filling and unloading operations will be carried out without blowing, vehicles will be covered with tarpaulins during the transportation of materials and the upper part of the material will be kept at 10% humidity. In order to minimize the emissions resulting from vehicles, all vehicles and equipment to be used will be routinely checked, vehicles that require maintenance will be taken into maintenance, and other vehicles will be used in the works until their maintenance is completed. In addition, they will be controlled to work in accordance with the Traffic Law and care will be taken to ensure that they load in accordance with the loading standards. At all stages of the project, the provisions of the "Regulation on the Control of Industrial Air Pollution" which came into force after being published in the Official Gazette dated 03.07.2009 and numbered 27277 will be complied with. *The "Exhaust Gas Emission Control Regulation" and its provisions*, will be complied with during the land preparation and, construction stages of the subproject.	Contract

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
NOISE AND VIBRATION	During the land preparation and construction phases of the project, noise will be generated from the operation of construction equipment and machinery equipment.	Noise has negative effects on human health and fauna.	Direct	Moderate	Issue necessary construction permits including environmental and noise control requirements. Ensure that project complies with national and local environmental regulations through oversight mechanisms. Receive and address public complaints related to noise during construction. Coordinate with relevant authorities if noise levels cause health or safety risks. Enforce sanctions or require corrective actions if legal requirements are violated, based on reports from supervision consultant or other inspections.	Bozdoğan Municipality
					To examine and report whether the contractor's practices comply with the legislation. Conduct regular checks to ensure work machinery noise levels do not exceed limits specified in the Environmental Noise Control Regulation. Monitor operations to ensure minimal simultaneous vehicle use to reduce noise generation.	Supervision Consultant

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
					Ensure machinery and vehicles operate within the noise limits set by the Environmental Noise Control Regulation. Schedule construction work during daytime hours (07:00–19:00) to limit noise disturbance. Implement necessary noise reduction measures considering vehicle and equipment operation conditions. Use vehicles that have passed traffic inspections, exhaust emission tests, and maintenance checks. Provide workers with appropriate personal protective equipment (PPE) against noise, such as helmets, headphones, and earplugs, in compliance with Labor Law No. 4857.	Contractor
EXCAVATION AND SOIL POLLUTION	During the land preparation and construction phase of the project, excavation residue material will be generated during excavation.	If not disposed of, it causes visual pollution and dust spread.	Indirect	Moderate	Informing the contractor of the location where excavation waste will be dumped.	Bozdoğan Municipality
					To examine and report whether the contractor's practices comply with the legislation.	Supervision Consultant
					Flammable, explosive and hazardous materials will not be used in the excavation works to be carried out during the land preparation and construction phase. During the works, the provisions of the Waste Management Regulation, the Regulation on the Regular Storage of Numbered Wastes and the Regulation on the Control of Excavation Soil, Construction and Demolition Wastes will be complied with.	Contractor

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
COMMUNITY HEALTH AND SAFETY	Unauthorized entry into the subproject area poses a threat to public safety	Risks of Injury and Death	Direct	Moderate	Ensure enforcement of compliance with local laws and regulations related to public safety around the construction site, including taking appropriate actions in response to violations or community complaints.	Bozdoğan Municipality
					To monitor the appropriateness of security measures and information activities.	Supervision Consultant
					Ensure that there is a solid fence or wire mesh around the sub-project site with no space between them. Ensure that entrances and exits are made only from points controlled by authorized personnel. Ensure that warning signs such as “No Entry”, “Danger”, “Unauthorized Entry Prohibited” are placed prominently. Ensure that visual signs in the local language and supported by symbols are placed. Hold informative meetings and hang brochures for residents about the risks of the project and that the site should not be entered. Ensure that trained security guards are present at the entry points 24/7. Provide an accessible communication channel (telephone line, wish box, WhatsApp, etc.) where community members can report suspicious situations.	Contractor

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
CULTURAL HERITAGE	Damage or Destruction of Undiscovered Cultural Assets	Destruction or damage to cultural heritage	Direct	Low	To supervise and follow up the implementation of the Chance Find Procedure and necessary procedures.	Bozdoğan Municipality
					A Chance Find Procedure will be provided (See ANNEX-30 CHANCE FIND PROCEDURE). The number of chance finds will be monitored.	Supervision Consultant
					Machinery and equipment used around archaeological sites will be carefully selected. Reporting of any chance findings if detected.	Contractor
TRAFFIC, PEDESTRIAN SAFETY AND ACCESS	Temporary Blockage of Access Roads between Settlements	Traffic Vehicles Cause Destruction on Roads and Buildings	Direct	Moderate	Inform the local community about potential hazards and risks through brochures and posters placed in commonly frequented areas like the mukhtar's office, hospital, health center, mosque, coffee house, and marketplace. Share relevant information with hospital authorities.	Bozdoğan Municipality

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
					Ensure Subproject Traffic Management Plan is monitored and followed. Monitor compliance with speed limits, signage and safety regulations.	Supervision Consultant
					Ensure Project Traffic Management Plan is available and in use. Ensure all vehicles during construction adhere to the set speed limit of 30 km/h. Install traffic and warning signs with illuminated and near the sub-project area. Make the sub-project area clearly visible. Schedule activities impacting local traffic to avoid rush hours as much as possible. Provide training for all sub-project drivers on road safety, speed limits, traffic rules, and necessary precautions. Use licensed carriers to transfer hazardous chemicals or waste, ensuring no threats to community health. Use pre-designated routes for special cargo in coordination with relevant authorities to avoid traffic congestion; these routes will be announced in advance to minimize disturbances. Surround the construction site with fencing, curtains, or protective tape to prevent unauthorized access and uncontrolled entries. Vehicle drivers will be informed about giving priority to passing vehicles and not occupying the emergency lane if they encounter vehicles providing health services on the hospital route.	Contractor

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
					Ensure that biodiversity and wildlife protection requirements are implemented in compliance with legal frameworks and World Bank ESS standards. Coordinate with relevant environmental and forestry authorities to secure necessary permits and approvals. Raise public awareness about wildlife and environmental protection through information campaigns and maintain open communication channels with the local community. Receive, assess, and forward complaints or reports related to wildlife and environmental protection to the relevant departments or the consultant. Support the preparation and implementation of monitoring and inspection programs to address potential adverse environmental impacts of the project. Review reports submitted by the consultant and apply necessary administrative actions in case of non-compliance.	Bozdoğan Municipality
					Monitor and verify that the contractor implements all measures for vertebrate protection and biodiversity conservation according to contract and environmental standards. Provide guidance and training support to the contractor related to wildlife protection. Report any non-compliance or incidents related to wildlife disturbance to the Bozdoğan Municipality.	Supervision Consultant

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
BIODIVERSITY	Protecting vertebrate species, preventing animals from being harmed during land clearing, minimizing the negative impacts of vehicles and machinery on wildlife, and preventing illegal activities targeting wildlife.	Biodiversity loss	Direct	Moderate	Remove vertebrate species from the area before clearing vegetation. Collect and remove all stones, regardless of size, allowing any species underneath to move away naturally. Workers handling this should wear gloves. Allow tortoises ample time to leave the area when encountered. If vertebrate species are spotted in the work area, allow them to move away on their own without interference. Provide training for vehicle drivers to recognize and understand how to handle encounters with local vertebrate species. Regularly inspect and minimize vehicle outputs (e.g., noise, light, exhaust emissions). Cover vehicles after loading to prevent materials from dispersing into the environment. Limit vehicle speed to a maximum of 30 km/h across the entire area. Minimize noise generation from machinery during plant operations. Use non-LED light sources and direct them to avoid illuminating surrounding vertebrate habitats, especially during night-time. Prohibit hunting, trapping, or intentional harm to wildlife by sub-project workers and drivers. Ensure that all facility-generated waste is transferred to proper waste treatment and storage facilities, and that transfer vehicles follow designated routes without releasing waste into the environment.	Contractor
GRIEVANCE MECHANISM	Communication problems with stakeholders	Loss of confidence	Direct	Moderate	Organizing stakeholder participation meeting and ensuring participation of groups such as local people, stakeholders, residents etc. Providing the meeting place and ensuring coordination with local authorities.	Bozdoğan Municipality
					Preparation of meeting content and creation of content that will provide explanations to participants. Managing communication with stakeholders and ensuring that the meeting is held successfully.	Supervision Consultant
					Attend meetings and provide information about the project. Make on-site statements or answer questions from stakeholders during meetings.	Contractor

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
	Dysfunction of the Grievance Mechanism	Weakening of monitoring and improvement processes	Direct	Moderate	Providing sufficient information to both local people and employees on the use of the Grievance mechanism, Providing the necessary training to the Grievance Mechanism Contact Person (GMCP) who will follow up on the receipt, recording, evaluation and reaching a convincing solution for both parties, All details of Gender Based Violence (GBV) and Sexual Exploitation and Abuse/Sexual Harassment (SEA/SH) victims will be kept strictly confidential in the Grievance Registration Database. Prepare a SEA/SH Action Plan that includes a Code of Conduct for all workers, awareness-raising sessions, reporting mechanisms, and procedures for response to SEA/SH cases in a survivor-centered approach. All workers must receive SEA/SH training before construction phase.	Bozdoğan Municipality
					Prepare and follow procedures for the implementation of the grievance mechanism.	Supervision Consultant
					Contribute to the process of resolving complaints. Review the SEA/SH Action Plan prepared by the contractor; ensure reporting mechanisms are in place and functional; monitor implementation of training and enforcement of the Code of Conduct. Ensure alignment with national laws and World Bank guidelines.	Contractor

5.4 Operation Phase Mitigation Plan

Table 9. Operation Phase Mitigation Plan

Problem	Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party

OCCUPATIONAL (HEALTH AND SAFETY (OHS)	Inappropriate Working Conditions	Employees	Direct	Moderate	A team of OHS professionals with sufficient capacity to manage, monitor and report on OHS issues will be established in accordance with the legislation A comprehensive risk assessment document will be implemented that addresses project-specific risks and defines risk mitigation measures. Necessary OHS training covering the operational risks included in the above-mentioned document will be given to all employees, including subcontractors. . All sub-project management plans, including prepared safe working procedures and emergency preparedness and management plan action plans, will be implemented. Child labor, forced labor and unregistered labor will be prohibited. Serious safety issues that may arise with primary suppliers and primary supply workers will be managed as described in the Occupational Health and Safety Sub-Management Plan, which will cover primary supply workers to the extent necessary. Near misses and accidents will be reported on time (Accidents in 24 hours). Workers will be provided with clear and understandable documented information on their rights under national labour law, including collective agreements, working hours, wages, overtime, compensation and benefits from the start of the employment relationship and whenever any significant changes occur. A Grievance Mechanism will be established for workers to raise concerns about their workplace. Workers will be informed about the grievance mechanism at the time of recruitment and will be provided with easy access to it. Written contracts will be provided to subcontractors, setting out detailed job descriptions, rights and obligations, and a Code of Conduct. It is anticipated that the affected workforce and surrounding communities will be positively impacted as the welfare of the local workforce will be prioritised during the sub-project.	All responsibilities during operation belong to Bozdoğan Municipality.

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
	Gender-Based Violence (GBV), Sexual Exploitation Abuse / Sexual Harassment (SEA/SH)	Employees	Direct	Moderate	The Construction Contractor and Management of both Consultants will be sensitized on GBV and SEA/SH issues. Awareness Meetings will be held with the affected communities. All sub-project employees will be provided with training on GBV and SEA/SH. All sub-project employees will sign the Code of Conduct and will be informed on this issue. A Worker's GM will be implemented to capture GBV and SEA/SH related complaints.	
	Physical Hazards: Lifting Operations OHS Risks	It may pose a life-threatening risk to employees	Direct	Moderate	Ensure that lifting area will be enclosed with fence to prevent access to the lifting area during lifting work. Ensure that warning signs will be installed for lifting activities Ensure that safety procedures will be used for lifting operations. Ensure that lifting work will be carried out according to related regulations by well trained, qualified, and certified lifting team and with proper communication means and flag man. Ensure that workers will be provided with all necessary PPE and safety materials. Ensure all equipment used for lifting operations including slings, chains and hooks are checked technically before each use and records are kept according to local safety legislation. Ensure legal periodic control form and operator certificate of the work machine are up to date.	

	Physical Hazards: Electrical Hazards	It may pose a life-threatening risk to employees	Direct	Moderate	No one without a valid certification on vocational training on electricity will be allowed to work on electrical installations. Ensure that all energized electrical devices and lines are marked with warning signs; Ensure that the devices are locked (de-charging and leaving open with a controlled locking device) and labeled (warning sign placed on the lock) during service or maintenance; Ensure that all electrical cords, cables, and hand power tools are checked for frayed or exposed cords. Also, ensure that the manufacturer's recommendations for the maximum permitted operating voltage of portable hand tools are followed; Ensure that all electrical equipment used in environments that are or may be wet is double insulated/grounded; use equipment with ground fault interrupter (GFI) protected circuits; Ensure that power cords and extension cords are protected against damage from traffic by shielding or suspending above traffic areas; Ensure that high-voltage equipment ('electrical hazard') and service rooms where access is controlled or prohibited are properly labeled; Ensure that "No Approach" zones are established around or under high voltage lines; Ensure that construction vehicles or other vehicles with rubber tires that come into direct contact with or arc across high-voltage cables are taken out of service for 48 hours; Ensure that all buried electrical cables are thoroughly identified and marked prior to any excavation work. Ensure that special training programs are organized for employees on electrical hazards and safety precautions. Ensure that rapid response teams and emergency plans are established for electrical accidents. Ensure that regular electrical safety inspections are conducted in the subproject area. Ensure that periodic inspections are conducted to ensure that employees use appropriate personal protective equipment (PPE). Ensure that all buried electrical cables are thoroughly identified and marked prior to any excavation work. A	

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
					"Lockout Tagout" (LOTO) Procedure specific to the subproject should be implemented personnel should be trained and its implementation should be supervised.	
	Fire Safety Prevention Measures and Emergency Response	It may pose a life-threatening risk to employees	Direct	Moderate	Ensure all employees are trained for their responsibility to report dangers and firefighting measures Ensure that all flammable and hazardous materials are stored in designated, secure areas away from ignition sources. Ensure firefighting systems and equipment are available and periodically inspect an according to legislations. Ensure fire and emergency drills are conducted regularly in according to legislations. Designate trained fire wardens for each area to lead evacuations and coordinate with emergency responders. Keep an up-to-date list of emergency contacts, including local fire departments and hospitals, for quick access in case of fire. Ensure according to legislation appropriate number of trained first-aiders are present within the subproject area.	

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
	Physical Hazards: Ergonomics, Repetitive Motion, Manual Handling Lifting	It may pose a life-threatening risk to employees	Direct	Moderate	Establish clear weight limits for manual handling tasks and label heavy loads accordingly; Ensure that mechanical assists are used to eliminate or reduce the effort required to lift materials, hold tools and work objects, and that more than one person is lifting if weights exceed thresholds; Ensure that tools are selected and designed that reduce force requirements and holding times and improve postures; Ensure that user-adjustable workstations are provided; Ensure that rest and stretch breaks are incorporated into work processes and job rotation is in place; Ensure quality control and maintenance programs are in place that reduce unnecessary forces and effort; Ensure that additional special circumstances, such as left-handed people, are considered. Ensure that health checks and physical examinations of employees are carried out at least once a year Ensure employees receive manuel handling training. Provide appropriate PPE's the employees.	

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
	Physical Hazards: Chemical Hazards	It can pose life-threatening risks to the environment, humans and other living things.	Direct	Moderate	Ensure that the hazardous substance is replaced with a less hazardous substitute; Ensure that engineering and administrative control measures are in place to prevent or minimize the release of hazardous substances into the working environment, keeping the exposure level below internationally established or recognized limits; Ensure that the number of workers exposed or likely to be exposed is minimal; Ensure that chemical hazards are communicated to workers through labeling and marking according to nationally and internationally recognized requirements and standards, including International Chemical Safety Cards (ICSC), Safety Data Sheets (SDSs) or equivalent. Any means of written communication should be in an easily understood language and be readily available to exposed workers and first-aid personnel; Ensure that employees are trained in the use of available information (such as SDSs), safe working practices and proper use of PPE. Ensure workers have access to suitable personal protective equipment (PPE), such as gloves, respirators, goggles, and protective clothing, based on the specific chemical hazards. Store hazardous substances in designated areas with appropriate ventilation, labeling, and secure containment to prevent accidental exposure or spills. Develop and implement a spill response (as a part of Emergency Preparedness and Management Plan) that includes containment, cleanup, and disposal of hazardous substances, along with emergency contact information. Dispose of chemical waste according to regulations to prevent environmental contamination and worker exposure. Regularly inspect and maintain chemical handling equipment, storage areas, and PPE to prevent leaks or accidental releases.	

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
WASTEWATER	Domestic wastewater will be generated due to the personnel to work.	When they are not treated or disposed of appropriately, they cause underground and surface water pollution and soil pollution, and can negatively affect human and environmental health.	Direct	Moderate	A septic tank will be installed for the sink needs of the people who will work in the planned sub project and will be drawn by a sewage truck at certain periods.	

SOLID WASTE- HAZARDOUS WASTE- MEDICAL WASTE- PACKAGING WASTE	Municipal waste caused by personnel working in the sub project area Packaging waste from personnel In addition, there are hazardous waste, waste batteries and accumulators.	When not disposed of, it causes contamination of underground and surface water resources, soil pollution and odor problems for human health.	direct	Moderate	Municipal waste will be generated due to a total of 2 personnel who will work during the land preparation and construction phases of the project. Among the wastes that can be generated, recyclable (paper, plastic, glass, etc.) and non-recyclable wastes (food scraps, etc. organic waste) will be collected separately in garbage containers placed at various points of the sub project site. Wastes that can be recycled will be sent to licensed recycling companies; Domestic solid waste that cannot be recycled will be disposed of by giving it to the relevant Municipality. For the packaging waste generated in the facility, in accordance with the colors specified within the scope of the "Zero Waste Regulation" published in the Official Gazette No. 30829 dated 12.07.2019 (blue color for paper waste, yellow color for plastic waste, gray color for metal waste, green color for glass waste). and black for non-recyclable waste) waste bins will be provided, a Zero Waste Management System will be established and data of the waste collected for the previous month will be entered into the Integrated Environmental Information System (e- çbs) within the framework of the relevant regulation by the 15th of each month. Since the solid waste that will be generated within the scope of the sub project will not be stored in the sub project area for a long time, it will not cause any problems such as odor, appearance or leakage. All solid wastes (food scraps, packaging paper, pet bottles, glass bottles, etc.) to be generated within the scope of the sub project are subject to the "Waste Management Regulation", "Packaging Waste Control Regulation", "Zero Waste Management Regulation", which came into force after being published in the Official Gazette dated 02.04.2015 and numbered 29314. It will be disposed of in accordance with the “Waste Regulation”. Panels, switches, solar regulators, inverters, etc that break down and become idle during or after the activity in question. The materials will be temporarily stored in the Hazardous Waste Storage Area in the existing facility,	

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
					classified according to their properties and delivered to licensed recycling companies for recycling. Wastes that cannot be recycled will be given to licensed companies to be disposed of in accordance with the conditions specified in the "Waste Management Regulation", which came into force after being published in the Official Gazette dated 02.04.2015 and numbered 29314.	
TRAFFIC, PEDESTRIAN SAFETY AND ACCESS	Temporary Blockage of Access Roads between Settlements	Traffic Vehicles Cause Destruction on Roads and Buildings	direct	Moderate	Install traffic and warning signs with illuminated and near the sub-project area. Make the sub-project area clearly visible. Use licensed carriers to transfer waste, ensuring no threats to community health. Surround the operation site with fencing without any spaces, to prevent unauthorized access and uncontrolled entries.	

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
COMMUNITY HEALTH AND SAFETY	Unauthorized entry into the subproject area poses a threat to public safety	Risks of Injury and Death	Direct	Moderate	Ensure that there is a solid fence or wire mesh around the sub-project site without any spaces Ensure that warning signs such as “No Entry”, “Danger”, “Unauthorized Entry Prohibited” are placed prominently. Ensure that visual signs in the local language and supported by symbols are placed. Ensure that trained security guards are present at the entry points 24/7. Provide an accessible communication channel (telephone line, wish box, WhatsApp, etc.) where community members can report suspicious situations.	
EFFECTS ON BIODIVERSITY	During the operation phase of the sub project, affecting biodiversity	Species loss (extinction) is the cause of fragmentation and degradation of habitats.	direct	Moderate	Provide training for vehicle drivers to recognize and understand how to handle encounters with local vertebrate species. Cover vehicles after loading to prevent materials from dispersing into the environment. Use non-LED light sources and direct them to avoid illuminating surrounding vertebrate habitats, especially during nighttime. Ensure that all facility-generated waste is transferred to proper waste treatment and storage facilities, and that transfer vehicles follow designated routes without releasing waste into the environment.	

Problem		Potential Impact	Impact Type	Impact Significance	Mitigation Measures	Responsible Party
GRIEVANCE MECHANISM	Communication problems with stakeholders	Loss of confidence	Direct	Moderate	A Stakeholder Engagement Meeting will be held within the scope of the sub-project.	
	Dysfunction of the Grievance Mechanism	Weakening of monitoring and improvement processes	Direct	Moderate	Providing the necessary training to the Grievance Mechanism Contact Person (GMCP) who will follow up on the receipt, recording, evaluation and reaching a convincing solution for both parties, All details of Gender Based Violence (GBV) and Sexual Exploitation and Abuse/Sexual Harassment (SEA/SH) victims will be kept strictly confidential in the Grievance Registration Database.	

5.5 Land Preparation and Construction Phase Monitoring Plan

Table 10. Land Preparation and Construction Phase Monitoring Plan

PARAMETER TO BE MONITORED		LOCATION OF THE PARAMETER	MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING
Excavation Waste		In the sub project area	Visual inspection, record and report keeping	During the excavation works, continuous	Compliance with the Regulation on the Control of Excavation Soil, Construction and Demolition Waste
Air Management	Dust Emission	Construction site and Access routes	Observational	Daily throughout the entire construction	Monitoring whether measures are taken to prevent dust emissions, protecting the environment and employee health, Industrial Air Pollution Control Regulation, Air Quality Assessment and Management Regulation, IFC Environmental Health and Safety Guidelines: Air Emissions and Ambient Air Quality
	Vehicle Emissions	Construction equipment exhausts	Observational	During periodic maintenance periods of vehicles	Ensuring compliance with the Exhaust Gas Emissions Control Regulation, IFC Environmental Health and Safety Guidelines: Air Emissions and Ambient Air Quality
Noise		In sensitive areas near construction sites and work areas	With Noise and Vibration Measurement Device, by a Qualified and Accredited Company (Observational)	In cases where there is a grievance	Environmental Noise Control Regulation, Regulation on the Protection of Employees from Noise-Related Risks, IFC Environmental, Health and Safety Guidelines: Noise Management
Vibration		In sensitive areas near construction sites and work areas	With Noise and Vibration Measurement Device, by a Qualified and Accredited Company (Observational)	In studies carried out at different points or in cases where there is a grievance	Environmental Noise Control Regulation, Regulation on the Protection of Employees from Noise-Related Risks, IFC Environmental, Health and Safety Guidelines: Noise Management

PARAMETER TO BE MONITORED		LOCATION OF THE PARAMETER	MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING
Landscape		Areas where construction work will be carried out	Taking photos and recording with a camera	Continually observational	For landscaping works to be carried out after construction
Waste Management	Municipal waste, Packaging Waste	In the construction area or in the area to be used as a construction site	Observational Audit and Recording Waste records	Daily	Ensuring compliance with the Regulation on Soil Pollution Control and Point Source Contaminated Sites, Packaging Waste Control Regulation, Waste Management Regulation, IFC Environmental, Health and Safety Guidelines: Waste Management
	Hazardous Wastes	In the construction area or in the area to be used as a construction site	Observational Audit and Recording Waste records	Daily	Ensuring compliance with the Waste Management Regulation, IFC Environmental, Health and Safety Guidelines: Waste Management
	Other Wastes (Battery, Battery, etc.)	In construction sites	Recording the Delivery to Recycling Companies Waste records	Daily	Regulation on the Control of Waste Batteries and Accumulators, IFC Environmental health oath Safety Guidelines: Waste Management
Occupational Health and Safety		In all studies	Observation and supervision	Continually	Ensuring compliance with Occupational Health and Safety Law and Labor Law and Regulations, IFC Environmental, Health and Safety Guidelines: Occupational Health and Safety
Access (Traffic load that may occur during the Access of panels)		On-site and off-site roads	Observational	Continually	Life and property safety Road Traffic Law
Labor and Labor Flow		In all studies	Inspection of inappropriate working conditions, child labor, unregistered employment	Continually	Ensuring compliance with Labor Law and Regulations, IFC Environmental, Health and Safety Guidelines: Occupational Health and Safety

PARAMETER TO BE MONITORED	LOCATION OF THE PARAMETER	MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING
Waste water	Septic tank	Analysis Disposal records	During the construction phase	Water Pollution Control Regulation, IFC Environmental, Health and Safety Guidelines: Wastewater Management
Grievance Mechanism	In all studies	Documentation control, review of grievance records, number and nature of resolved grievances	Continually	Examining Accident Records, Carrying out Internal and External Audits and Due to the functioning of the Grievance Mechanism
Climate Change	In all studies	Calculation of greenhouse gas emissions reduced within the scope of the sub project (documentation control)	Annually	Adapting to Climate Change / Reducing greenhouse gas emissions
Public Health and Safety Community Engagement	In all studies	Documentation control Examining security records and keeping an eye out for elements that may threaten public health and safety during construction.	Monthly	Examining grievance records, Keeping training records, Preparation of exercise reports Archiving of Accident Registration, Meeting and Announcement Minutes IFC Environmental Health and Safety Guidelines: Community Health and Safety
Cultural Assets/Chance Finds	In excavations	Observational	During the construction phase	Law on the Protection of Cultural and Natural Assets, OP 4.11 Physical and Cultural Resources

During the land preparation and construction period specified in Table 10, the responsibility for the monitoring plan belongs to the Contractor and Bozdoğan Municipality. The monitoring plan costs are included in the project budget.

5.6 Operation Phase Monitoring Plan

Table 11. Operation Phase Monitoring Plan

PARAMETER TO BE MONITORED		LOCATION OF THE PARAMETER	MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING
Waste Management	Municipal waste, Packaging Waste	In the operation area	Observational Audit and Recording, Grievance record Waste records	Daily	Ensuring compliance with the Regulation on Soil Pollution Control and Point Source Contaminated Sites, Packaging Waste Control Regulation, Waste Management Regulation, IFC Environmental, Health and Safety Guidelines: Waste Management
	Hazardous Wastes	In the operation area	Observational Audit and Recording, Grievance record Waste records	Daily	Ensuring compliance with the Waste Management Regulation, IFC Environmental, Health and Safety Guidelines: Waste Management
	Other Wastes (Battery, Battery, etc.)	In the operation area	Recording the Delivery to Recycling Companies, Grievance record Waste records	Daily	Regulation on the Control of Waste Batteries and Accumulators, IFC Environmental health oath Safety Guidelines: Waste Management
Occupational Health and Safety		In all studies	Observation and supervision, Grievance record	Continually	Ensuring compliance with Occupational Healt and Safety Law and Labor Law and Regulations, IFC Environmental, Health and Safety Guidelines: Occupational Health and Safety
Labor and Labor Flow		In all studies	Inspection of inappropriate working conditions, child labor, unregistered employment, Grievance record	Continually	Ensuring compliance with Labor Law and Regulations, IFC Environmental, Health and Safety Guidelines: Occupational Health and Safety
Waste water		Septik tank	Analysis, Grievance record Disposal records	During the operation tion phase	Water Pollution Control Regulation, IFC Environmental, Health and Safety Guidelines: Wastewater Management

PARAMETER TO BE MONITORED	LOCATION OF THE PARAMETER	MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING
Grievance Mechanism	In all studies	Documentation control, review of grievance records, number of resolved grievances	Continually	Examining Accident Records, Carrying out Internal and External Audits and Due to the functioning of the Grievance Mechanism
Climate Change	In all studies	Calculation of greenhouse gas emissions reduced within the scope of the sub project (documentation control)	Annually	Adapting to Climate Change / Reducing greenhouse gas emissions
Community Health and Safety Community Engagement	In all studies	Documentation control Grievance record Examining security records and keeping an eye out for elements that may threaten public health and safety during operation.	Monthly	Examining grievance records, Keeping training records, Preparation of exercise reports Archiving of Accident Registration, Meeting and Announcement Minutes IFC Environmental Health and Safety Guidelines: Community Health and Safety

During the operation period specified in Table 11, the monitoring plan responsibility belongs to Bozdoğan Municipality. The monitoring plan costs are included in the sub project budget.

6. Stakeholder Participation

A stakeholder can be defined as any person, institution or group that has an interest/share in the sub project and its impacts. The purpose of stakeholder identification is to identify and prioritize those who may be directly or indirectly, positively or negatively affected by the project, or who may not be directly affected but still have an interest in it,, for consultation purposes. All stakeholder groups that are interested in the outcome of the project, that may be affected by the project, or that may have an impact on it will be identified. It involves screening a wide range of potential stakeholders, including institutions, associations, NGOs and other informal groups that should be included in the stakeholder engagement process.

Stakeholder participation plan is a plan that aims to establish strong, constructive and sensitive relationships by identifying the parties that may be affected by the project, which is necessary for the correct management of the environmental and social impacts of a planned project.

The purpose of stakeholder participation; It is to ensure continuous communication with stakeholders to provide them with information about the activities to be carried out during the construction and operation periods of the project, including sub project performance, sub project development and investment plans and their implementation. Stakeholder engagement is an activity that will continue throughout the planning, construction, operation and closure phases.

It is important to make particular efforts to identify disadvantaged and vulnerable stakeholders who may be differently or disproportionately affected by the sub project or who may have difficulty participating in the participation and development process.

These vulnerable groups;

- Due to their physical disabilities in sub-project activities,
- Due to their inadequate budgets,
- Female household heads have more limited opportunities to participate in sub-project activities due to their responsibility to support the household and their workload at home,
- Individuals aged 70 and over have more limited opportunities than other individuals due to their health conditions.

Stakeholder identification is also an ongoing process and will require regular review and updating.

The stakeholder analysis table determined within the scope of the sub project in question is given in Table 12.

Table 12. Stakeholder Analysis Table

Parties Affected by the sub project	The sub project site and the nearby settlement Kavaklı Neigborhood and approximately 422 people living there, Bozdoğan Municipality Contractor Employee Individuals carrying out agricultural and livestock activities in the vicinity of the sub-project site PAPs affected by the ETL
Other Interested Parties	Ministry of Environment, Urbanization and Climate Change Energy and Natural Resources Ministry Aydın Governorship Provincial Directorate of Environment, Urbanization and Climate Change Bozdoğan District Governorate İlbank İzmir Regional Directorate Türkiye Electricity Distribution Inc. ADM Electricity Distribution Inc.
Vulnerable/Disadvantaged Individuals and/or Groups	Vulnerable individuals/groups living in Kavaklı Neighborhood 95 people • 50 illiterate individuals • 20 female heads of household • 20 individuals over the age of 70 living alone • 2 individuals with mental disabilities • 3 individuals living on social assistance from the state, associations or individuals

Grievance Mechanism

The purpose of the Grievance Mechanism is to ensure that people affected by the project, including primarily affected communities and project staff, have access to the problem-solving procedure. Complaints may indicate growing stakeholder concerns and may escalate if not identified and resolved. Identifying and responding to complaints supports the development of positive relationships between project staff, local communities and other stakeholders. To evaluate the Environmental and Social Impacts of the sub project during the construction and operation phase of the sub project; A Grievance Procedure will be prepared to cover all complaints expressed by internal and external stakeholders, including the activities of contractors and workers. While the complaint mechanism is being established, a telephone line that will be active 24/7 will be established, and opinions and complaints will be collected by e-mail, postal mail and orally. Stakeholders may request that their complaints be recorded anonymously.

A structured Grievance Mechanism ensures that Project-related complaints are addressed through a transparent and impartial process. In this regard, from the early stages of the project's life cycle, the complaint procedure will be and will continue to be disclosed to the public through individual or group meetings, printed materials and notice boards.

Since the current installed system does not have a project-specific mechanism and recording system that complies with international standards, it is expected that a project-

specific Grievance Mechanism will be established. In this regard, the personnel appointed by the municipality will record the complaints and suggestions received from different channels in a single established system and provide solutions within the time and application framework specified below. Personnel to be appointed by the municipality:

- From people communicating via phone/e-mail,
- From stakeholders who want to communicate based on project documentation,
- Coming from construction period personnel,
- From business personnel,
- It will record and track all complaints forwarded to contractors and written in petitions in a single system.

In order for this method to be successful, the appointed Municipal personnel, other municipal experts and subcontractors will be in constant contact. Introducing the complaint mechanisms, which are open to the public and will be established separately for employees, to the relevant stakeholders will also be included in the job description of the Municipality personnel to be appointed.

The Grievance Mechanism will be informed about the guide prepared by the World Bank to prevent sexual exploitation, abuse and harassment of projects financed within the scope of construction works. Complaints of gender-based violence, exploitation and harassment can create a culture of silence due to possible negative reactions by society. In order to prevent this, it is of great importance for stakeholders to submit complaints regarding these issues regarding the sub project anonymously. In addition, authorities handling complaints must handle such matters confidentially and with an unbiased approach.[3]

In the Mechanism to be established, all complaints received will be recorded in the Complaint Log by assigning a reference number.

Contact channels for formal complaints are provided below.

Bozdoğan Municipality:

The contact information of Bozdoğan Municipality, which stakeholders will use to convey their complaints, is given below.

Website:	https://bozdogan.bel.tr
Email:	bilgi@bozdogan.bel.tr
Phone number:	444 20 47
Official letter:	Yeni Mah. Yazıkent Cad. No:86 09760 Bozdoğan/AYDIN

Presidential Communication Center:

Presidential Communication Center (CİMER) provides a central complaint system for Turkish citizens, legal entities and foreigners. CİMER will be offered to Project stakeholders

[3] Environmental & Social Framework for IPF Operations

as an alternative and well-known channel to convey their complaints and feedback regarding the Project directly to government authorities.

Website: www.cimer.gov.tr
Call Center: 150
Phone number: +90 312 525 55 55
Fax number: +90 0312 473 64 94
Foreigners Contact Center:

Foreigners Communication Center: Foreigners Communication Center (YİMER) offers a central complaint system for foreigners. YİMER will be offered to foreign stakeholders of the sub project as an alternative and well-known channel to convey their complaints and feedback regarding the sub project directly to government authorities.

Web site: www.yimer.gov.tr
Call Center: 157
Phone number: +90 312 5157 11 22
Fax number: +90 0312 920 06 09

ILBANK:

In addition, if complainants do not find the feedback they receive from the municipality sufficient, they can forward their complaints to ILBANK as a higher authority, using the communication tools below.

Website: https//www.ilbank.gov.tr/form/bilgiedinmeuluslararasi
E-mail: bilguidb@ibank.gov.tr and etikuidb@ilbank.gov.tr
Phone number: +90 312 508 79 79
Official letter: ILBANK International Relations Unit, GM Team (letters should be marked as personal or confidential) Kızılırmak Mahallesi Ufuk Üniversitesi Caddesi No: 12 Çukurambar / Çankaya / Ankara

WORLD BANK:

Complainants, project-affected communities and individuals may submit their complaints using the following communication tools to the Bank's independent Inspection Panel, which determines whether harm has occurred or may have occurred as a result of the Bank's failure to comply with its policies and procedures.

Website: https://www.inspectionpanel.org/how-to-file-complaint
E-mail: ipanel@worldbank.org
Phone number: +1 202 458 5200

Official letter: Control Panel, Mail Stop MC10-1007, 1818 H Street, NW, Washington, DC 20433, USA

In addition to the municipality's communication tools, the following communication channels can also be used to submit complaints.

- Grievance boxes at construction sites (mainly for internal complaints) and the muhtar's offices of the relevant neighborhoods and/or designated locations for complaint boxes,
- Direct contact with construction site managers,
- Meetings and/or formal/informal consultations

In addition, a Grievance Mechanism will operate for employees, and all project employees will be notified through written and verbal communication. Each employee will be informed about the grievance mechanism when hired and details of how the mechanism works will be specified. Requests requiring urgent solution and/or support will be responded to and support will be provided on the same day. Grievance Mechanism Flow Chart is given Table 13.

Table 13. Grievance Mechanism Flow Chart

Period	Action
Business Induction Letter	Before the project activity begins, the residents of the neighborhood will be informed that the work will start with a Start of Work Information Letter (See ANNEX-16). This letter will include the contact information of a person authorized by the municipality.
Submission of Complaint	The subject of the complaint is communicated by the complainant through any communication channel.
Grievance Registration	Complaints will be recorded with the Grievance Form (See ANNEX-15). All complaints will be recorded within two (2) days and feedback will be given to the complainant. If the complainant requests that this complaint be handled anonymously, this complaint will be recorded anonymously and the request will be accommodated. The action taken regarding the issue will be published on the Municipality's website if the anonymous person's communication channel is not available.
Evaluation of Complaints	Complaints will be evaluated within 10 business days and it will be determined whether the complaint meets the acceptability criteria. If the complaint is not valid, the necessary explanation will be made to the complainant.
Responding to Grievances	The complaint will be evaluated. If necessary, the complaint will be examined on-site. Depending on the type of complaint, representatives of the affected community will be interviewed. The actions taken to resolve the complaint and the results will be communicated to the petitioner. If the issue underlying the complaint is not resolved, the complainant will have the right to apply to

	the Court of First Instance and/or ILBANK, depending on the content of the complaint.
Grievance Closing	Unless an alternative agreement is made regarding the closing time of the complainant's complaint, relevant actions will be taken and documented within fifteen (15) business days from the date of application. Then, the complaint will be closed with the grievance close out form (See ANNEX-17). Recorded complaints and their responses will be shared on the Municipality's website. Thus, all complainants, including anonymous complainants, will be informed about their complaints and their consequences.
In Case the Grievance Cannot Be Resolved	The sub project grievance mechanism is monitored by ILBANK. Complaints will be evaluated by the Municipality and ILBANK will be informed. The actions taken to resolve the complaint will be communicated to the complainant by the Municipality. ILBANK will monitor the Municipality to ensure that the complaint mechanism operates smoothly. If the complaint is not resolved, the complainant can apply to the Civil Court of First Instance or ILBANK.
Reporting	The responsible department will ensure that all processes are carried out in accordance with the Complaint Process. A Consultation form will be prepared to record the questions and/or concerns of stakeholders during the process (See ANNEX-18). Complaints will be monitored and reported at regular intervals so that they can be analyzed regarding their type, frequency and how the complaints are resolved.

7. Institutional Arrangements

In order to ensure that the sub project in question is carried out in a way that minimizes its potential impacts, resources must be allocated to the management of environmental and social issues. In this direction, first of all, the current structure of Bozdoğan Municipality was evaluated and the institutional infrastructure needed to provide the specified services was tried to be revealed.

7.1 Current Administrative (Institutional Structure)

The organizational chart of Bozdoğan Municipality is given below. There are 10 directorates within the municipality.

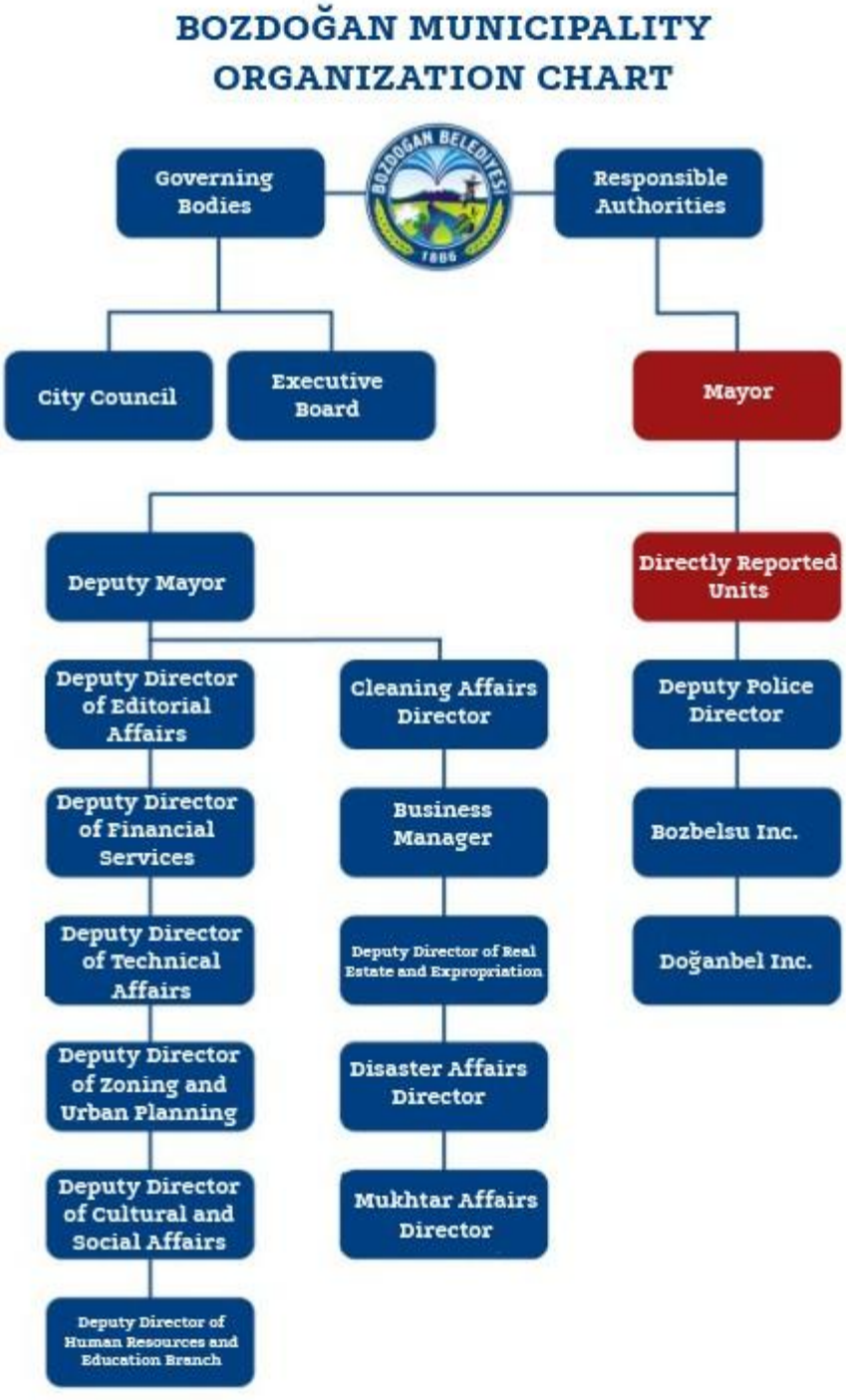


Figure 20. Bozdoğan Municipality Organization Chart

7.2 Roles and Responsibilities

It is the responsibility of Bozdoğan Municipality to manage the issues specified in the ESMP prepared for the healthy execution of the sub project and to ensure that the necessary mechanisms are developed and implemented by the Contractor.

The studies to be carried out within the scope of this ESMP and the parties responsible for these studies are given Table 14.

Table 14. Roles and Responsibilities

Organisation	Roles and Responsibilities
Bozdoğan Municipality	• Execution of tenders in accordance with the Public Procurement Agency legislation and the legal requirements of the World Bank, monitoring the Construction Contract and working in cooperation with ILBANK on construction supervision, • Implementation of ESMP and related management plans and fulfillment of all commitments within the scope of ESMP, • Sharing the ESMP with the Contractor, guiding the Contractor in the preparation of sub-management plans, and approving these plans, • Updating the ESMP when necessary and sharing additional commitments with the Contractor, • Environmental review, monitoring and inspections regarding ESMP applications, evaluation of results, • Auditing contractor activities in line with ESMP requirements, • Providing EHS training to all sub project personnel, • Ensuring compliance with project standards, taking urgent action in case of non-compliance, • To stop work until measures are taken in any situation that threatens the environment, society, and occupational health and safety.To ensure the tracking and analysis of environmental (including OHS) and social accidents/incidents, • Ensuring stakeholder participation, implementation of the complaint redressal mechanism, ensuring continuous information transfer through open communication, • To report unexpected situations such as environmental, social and labor problems or accidents, incidents or loss of time to ILBANK and the World Bank within24 hours • Coordinating actions and evaluations in case of changes in legislation regarding environmental and social issues, changes in permit provisions, new environmental/social data, construction/operation strategy changes. • In case of an accident or incident, it is mandatory to notify İlbank in writing within 24 hours from the date of the incident.
The Contractor	• Fulfilling all requirements of ESMP and management plans, • Implementation of additional commitments determined by Bozdoğan Municipality,

	• Ensuring compliance with project standards and obtaining all relevant permits and licenses, • Monitoring construction activities (including subcontractor activities) and taking measures within the scope of ESMP, • Developing sub-management and monitoring plans/procedures in accordance with the ESMP structure and implementing them after the approval of Bozdoğan Municipality, • Employing competent Environmental, Social and OHS Experts (at least one Social Expert, one Environmental Expert and one OHS Expert) within the scope of the project, • Providing necessary training on environmental and social issues to contractor and subcontractor personnel, • Ensuring follow-up and analysis of environmental and social accidents, • Reporting environmental audits, monitoring and inspections regarding ESMP practices to Bozdoğan Municipality, • Immediate notification (within 24 hrs) to municipality of unexpected situations such as environmental, social and business problems or accidents, work-related, OHS and health-related incidents or loss of time to the Project Owner and keeping an event log on site throughout the life of the Project, • The incident report containing root cause analysis and corrective actions to be taken will be submitted to ILBANK and the World Bank within 15days.

It will include environmental, social and OHS experts to oversee the implementation of the ESMP. Experts will monitor the implementation of the ESMP by Bozdoğan Municipality and document performance, recommendations and other necessary actions. Provides guidance to municipal officials on World Bank procedures, consultation and disclosure requirements.

7.3 Trainings

Project Owner Bozdoğan Municipality will conduct a training and awareness program covering ESMP expectations and commitments. The Audit Consultant will organize a workshop for this training with the Bozdoğan Municipality. As a minimum requirement, this program will be implemented as training for employees and contractors responsible for the implementation of the ESMP. Bozdoğan Municipality will provide training to employees and subcontractors before the construction phase begins.

Employees will be given the necessary training before the recruitment process. Compliance with the rules of conduct, including gender-based violence, sexual harassment, sexual exploitation and abuse, included in the training to be provided, will be included in the contract clauses of the staff. The sanctions to be applied in case of non-compliance with the rules of conduct will be clearly stated in the contract.

Measurement and evaluation should be made at the end of the training given to the personnel. This aims to increase the competence of staff. According to the results of the review, it is determined whether the training is effective or not, and if necessary, changes can be made to the training program, instructors can be changed or the training can be repeated.

Bozdoğan Municipalitty will ensure that all personnel responsible for the implementation of this ESMP are competent in terms of education, training and experience. All personnel will be provided with environmental and social training appropriate to their fields of activity and level of responsibility.

Trainings will be repeated at regular intervals, taking into account the changing and emerging new risks specified in the Regulation on the Procedures and Principles of Occupational Health and Safety Training of Employees. Informing and training activities will be carried out not only for employees but also about the measures to be taken for public health and safety. Within the scope of the project, action will be taken in accordance with the Environment, Health and Safety Guides (Occupational Health and Safety) published by the International Finance Corporation (IFC).

In order to prevent all possible risks to human health at all stages of the project, all health and safety rules specified in the Labor Law, Occupational Health and Safety Law and relevant regulations regarding occupational health and safety will be followed.

Work accidents, fire, etc. that may occur in the sub project area to respond to emergencies; Fire extinguishing tools and equipment (fire extinguishers, buckets, shovels, etc.), first aid materials, etc. within the sub project site in accordance with current regulations and laws. Will be kept and placed in suitable places where everyone can easily reach them.

The equipment in question will be shaped according to the risk assessment study to be carried out within the scope of the sub project.

In this study, the concepts of "accept, share the risk, reduce the impact and frequency, avoid" are emphasized and the steps to be taken to manage the risks are given below.

7.4 Preparation of Risk Assessment Guide

Within the scope of the "Occupational Health and Safety Risk Assessment Regulation" dated 29 December 2012 and numbered 28512, a Risk Assessment Guide will be created to meet the requirements of the legal legislation for specific risks within the scope of the sub project.

Risk assessment analysis and checklists prepared by international organizations will be examined and a Risk Assessment Guide will be created for implementation in our country. Risk Assessment Guides include determining the dangers that may arise in advance and taking the necessary precautions. In order to protect the safety of workplaces and the health of employees in our country, a Risk Assessment Guide must be available.

During the preparation of the Risk Assessment Guide, a Checklist and Risk Table are included. The Checklist is easy to use and understand. By simply answering Yes or No, predetermined points are checked.

In this regard, a Risk Assessment Guide will be prepared by the Risk Assessment Team, appointed according to legislation within the scope of the project, in which hazards in both the construction and operation phases are defined, risks are determined, risk control measures are decided and monitoring work is included before the start of the activity.

7.5 Control List

The Checklist, prepared by the Occupational Health and Safety Specialist before starting the operation for the convenience of the user, includes the stages of preliminary analysis, sub project planning and design, tests and commissioning, and finally the operation of the power plant. In the stages examined, technical reasons are predominant and although it is not directly related to Occupational Health and Safety, it has an indirect effect. Risks where no precautions are taken against technical hazards during power plant installation will turn into Occupational Health and Safety risks in the following stages. Technical risks are included in the Checklist. In this regard, a Check List containing the risks and precautions that may occur in both construction and operation within the scope of the sub project will be prepared, and the personnel assigned for this job will regularly check whether the actions in the list are implemented.

7.6 Risk Assessment Table and Application of Risk Assessment Table

The Risk Table, which is detailed in terms of Occupational Health and Safety, is more comprehensive than the Check List. In preparing the Risk Table. The Prepared Risk Table includes 3 stages. These are installation, tests and commissioning, and finally operation and maintenance of the power plant. When using the Risk Table, firstly the dangers that may arise from the hazards are determined. As a result of these, impact/harm consequences are defined. In order to determine the risk as a value, probability and severity values are determined. If the risk value is below the threshold value, it means that the risk is at an acceptable level and the measures are sufficient; if it is not below the threshold value, it means that the risk is not at an acceptable level and the measures taken are insufficient. In this case, the existing measures taken need to be increased. In this regard, a Risk Assessment Table will be prepared by an Occupational Health and Safety expert in which the impact of existing risks that may occur in both construction and operation will be determined.

Within the scope of the project, action will be taken in accordance with the Environment, Health and Safety Guidelines (Occupational Health and Safety) published by the International Finance Corporation (IFC).

The land preparation and construction phase mitigation plan is given in Land Preparation and Construction Phase Mitigation Pla, the operation phase mitigation plan is

given in Table 9. The land preparation and construction phase monitoring plan is given in Table 10, and the operation phase monitoring plan is given in Table 11.

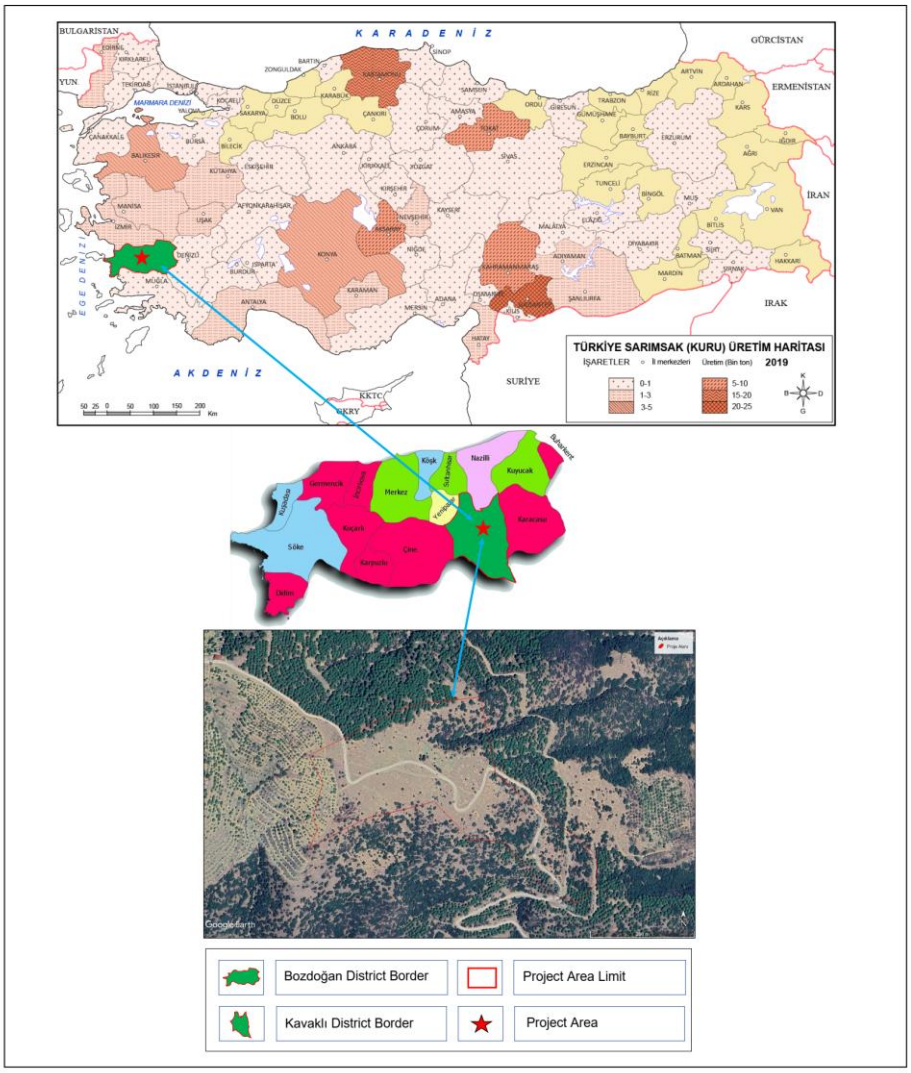
8. Attachments

Annex-1	Parcel Area Coordinates
Annex-2	Location Map
Annex-3	Lease Agreement and Allocation Letters
Annex-4	Sub project Area Photos
Annex-5	Connection Agreement
Annex-6	Aydın Governorship Provincial Directorate of Culture and Tourism Letter
Annex-7	Aydın Governorship Cultural Heritage Preservation Regional Board Letter
Annex-8	Aydın Governorship Provincial Directorate of Agriculture and Forestry Letter
Annex-9	Aydın Governorship Regional Directorate of Forestry Letter
Annex-10	SPP Aluminum and Steel Carrier System Static Calculation Report
Annex-11	Dust Emission Mass Flow Calculation
Annex-12	Noise Calculation
Annex-13	Topographic Map
Annex-14	Energy Transmission Line Route
Annex-15	Grievance Form
Annex-16	Information Letter on Starting Work
Annex-17	Grievance Close Out Form
Annex-18	Consultation Form
Annex-19	Line Diagram
Annex-20	Panel Layout Plan
Annex-21	EIA Not Required Letter
Annex-22	Parcel Information
Annex-23	Expropriation Letter
Annex-24	Sub-Project Site Visit Images
Annex-25	Extension of time letter
Annex 26	Non-Agricultural Use Permit
Annex 27	Forest Permit
Annex 28	Images of Building in the Lot
Annex 29	Letters of Undertaking
Annex 30	Chance Find Procedure

ANNEX-1 PARCEL AREA COORDINATES

Lot 1 of block 108 Coordinates		
Number	Latitude	Longitude
1	37.7635	28.2781
2	37.7638	28.2781
3	37.7643	28.2780
4	37.7647	28.2780
5	37.7646	28.2774
6	37.7647	28.2770
7	37.7648	28.2769
8	37.7644	28.2756
9	37.7639	28.2759
10	37.7633	28.2757
11	37.7631	28.2758
12	37.7627	28.2756
13	37.7631	28.2764
14	37.7633	28.2769
15	37.7635	28.2781

ANNEX-2 LOCATION MAP



ANNEX-3 ALLOCATION LETTERS

T.C.
AYDIN VALİLİĞİ
Çevre ve Şehircilik İl Müdürlüğü
Milli Emlak Müdürlüğü

Sayı : 53391506-000-E.20642
Konu : Tahsis (09020102188)

BOZDOĞAN KAYMAKAMLIĞINA
(Milli Emlak Şefliği)

İlgi : Aydın Valiliği (Bozdoğan Milli Emlak Şefliği)'nin 07.07.2020 tarihli ve 48206603-400-E.16292 sayılı yazısı.

İlçeniz, Kavaklı Mahallesinde bulunan 2474 parsel no.lu 32.080 m² yüzölçümlü imarsız taşınmazın **üretilecek elektriğin münhasıran Belediye hizmetlerinde kullanılması, ticari amaçla kullanılmaması, üçüncü kişilere ticari ya da gayri ticari amaçla kullandırılmaması/devredilmemesi, tahsisli idarenin ilgili mevzuatları ile belirlenen ve alınması zorunlu olan gelirler dışında her ne ad altında olursa olsun herhangi bir ücret alınmaması, bu hususlar dışında ticari amaca yönelik ünitelerin söz konusu ve zorunlu olması durumunda ise Hazine Taşınmazlarının İdaresi Hakkında Yönetmeliğin 67, 70 ve 73/A maddesine göre işlem yapılması, ayrıca 5346 sayılı Yenilenebilir Enerji Kaynaklarının Elektrik Enerjisi Üretimi Amaçlı Kullanımına İlişkin Kanun, 6446 sayılı Elektrik Piyasası Kanunu ile Enerji Piyasası Düzenleme Kurumu (EPDK) mevzuatı kapsamında ilgili İdarelerden gerekli izinlerin alınması kaydıyla** 1 Numaralı Cumhurbaşkanlığı Kararnamesinin 101 inci maddesinin birinci fıkrasının (ç) bendi ile 5018 sayılı Kanunun 47 nci maddesi gereğince **"güneş enerjisi santrali kurulmak üzere"** Bozdoğan Belediye Başkanlığı adına 2 (iki) yıl süreyle ön tahsisi Bakanlığımızın (Milli emlak Genel Müdürlüğü) 21/08/2020 tarih ve E.171814 sayılı yazısı ile uygun görülmüştür.

Söz konusu taşınmazın 2 (iki) yıl süre içerisinde yatırım projesinin hazırlanması, yatırım programına alınması ve tesis/bina inşaatına başlanılması halinde ön tahsisin hizmet süresince devamı için kesin tahsise dönüştürülmesi yönünde talepte bulunulacaktır. Aksi halde tahsis işlemi herhangi bir işleme ve yazışmaya gerek olmaksızın kendiliğinden kalkmış sayılacaktır.

Bilgi edinilmesini ve gereğini rica ederim.

Cemal ŞAHİN
Vali a.
Vali Yardımcısı

1633
Milli Emlak Şefliğine
27/07/2020
KAYMAKAM

Not: 5070 sayılı Elektronik İmza Kanunu gereği bu belge elektronik imza ile imzalanmıştır.
Evrak Doğrulama Kodu : QYTI8KSQ6 Evrak Takip Adresi: https://www.turkiye.gov.tr/cevre-ve-sehircilik-bakanligi

Bilgi için:Gülten ASLAN
Milli Emlak Uzman Yardımcısı

T.C.
BOZDOĞAN KAYMAKAMLIĞI
Milli Emlak Şefliği

SIFIR ATIK

Sayı : 48206603-400-E.21434 02.09.2020
Konu : Tahsis

BOZDOĞAN BELEDİYE BAŞKANLIĞINA

İlgi : 23.06.2020 tarih ve 185 sayılı yazınız.

TAŞINMAZIN			
Taşınmaz No	09020102188	Cinsi	Tarla
Fiili Durumu		Yüzölçümü (m²)	32.080,00 m²
İli	Aydın	Hazine Hissesi	1,00/1,00
İlçesi	Bozdoğan	Tapu Tarihi	14.07.1981
Mahallesi / Köyü	Kavaklı Köyü	Pafta / Cilt No	22/25
Caddesi / Sokağı	/	Ada / Sahife No	/2451
Yöresi	Karakol Mevkii	Parsel / Sıra No	2474/

TAHSİS İLE İLGİLİ BİLGİLER		
Tahsis Edilecek Olan İdare	Bozdoğan Belediye Başkanlığı	
Tahsis Amacı	Güneş Enerjisi Santrali kurulmak üzere	
Tahsis Süresi / Yüzölçümü	2 (iki) yıl Ön Tahsis	32.080,00 m²

İlgi yazınız ile tahsisi talep edilen ve yukarıda tahsis edildiği idare ve tahsis amacı belirtilen, tapu kaydı bilgileri yazılı Hazineye ait taşınmazın tamamının, 327 sayılı Milli Emlak Genel Tebliği hükümleri doğrultusunda yapılan inceleme neticesinde söz konusu taşınmazın istenilen amaçta tahsisi; 1 numaralı Cumhurbaşkanlığı Kararnamesinin 101'inci maddesinin birinci fıkrasının (ç) bendi ile 5018 sayılı Kanunun 47 nci maddesi uyarınca Çevre ve Şehircilik Bakanlığının (Milli Emlak Genel Müdürlüğü) 21/08/2020 tarih ve E.171814 sayılı oluru ile uygun görülmüştür.

Söz konusu taşınmazı teslim almak üzere; Dairenizden kurumunuzu temsilen yetkili personel görevlendirilmesi ve kurumunuza müracaatının sağlanması gerekmektedir.

Bilgi edinilmesini ve gereğini arz ederim.

13 471/1241

02.09.2020

e-imzalıdır
Necdet TOZLUDAŞ
Milli Emlak Şefi

Ek: 1 sayfa Onay Yazısı

Not: 5070 sayılı Elektronik İmza Kanunu gereği bu belge elektronik imza ile imzalanmıştır.

Evrak Doğrulama Kodu: PLMETHKO Evrak Takip Adresi: https://www.tkgm.gov.tr/tr/emlak-ve-edinicilik-bakanligi

Bilgi için:Yadigar KOÇPINAR
Veri Haz. Ve Kont.

HİZMETE ÖZEL

T.C.
BOZDOĞAN BELEDİYE BAŞKANLIĞI
İmar ve Şehircilik Müdürlüğü

Sayı : E-46925791-115.99-7069
Konu : Tahsis

BOZDOĞAN KAYMAKAMLIĞINA
(Milli Emlak Şefliği)

İlçemiz Kavaklı Mahallesi M20-B-21-C-1 Pafta, 108 Ada, 1 Parsel (Eski:2474) nolu taşınmaz üzerinde lisanssız güneş enerjisi santrali yapılması planlanan mülkiyeti Maliye Hazinesi adına kayıtlı bahse konu taşınmaz 2 (iki) yıl süreyle ön tahsisi Milli Emlak Genel Müdürlüğünün 21/08/2020 tarih E.171814 sayılı yazısı ile uygun görülmüştür.

Bahse konu taşınmazda söz konusu yatırım işi Sürdürülebilir Şehirler Projesi 2 (ek finansman) kredisi kapsamında İller Bankası ile Başkanlığımızca 2.200.000,00 Avro tutarında alt kredi anlaşması imzalanmıştır. Yukarıda Başkanlığımıza ön tahsisi yapılan Kavaklı Mahallesi 108 Ada, 1 Parsel nolu taşınmazın kesin tahsisinin yapılması hususunda;

Bilgi ve gereğini arz ederim.

Ufuk ALTINTAŞ
Belediye Başkanı

Bu belge, güvenli elektronik imza ile imzalanmıştır.

Doğrulama Kodu: d2011314-b30a-4128-b292-3d7496c5c562 Doğrulama Linki: https://www.turkiye.gov.tr/icisleri-belediye-ebys

Adres: Yeni Mahalle Yazıkent Caddesi No:86 Bozdoğan
Telefon No: 02564141008 Faks No: (256)414 33 11
e-Posta: bilgi@bozdogan.bel.tr İnternet Adresi: http://www.bozdogan.bel.tr
Kep Adresi: bozdoganbelediyesi@hs01.kep.tr

Bilgi için: Doğan Murat GÖK
İmar ve Şehircilik Müdür V.
Telefon No: -

T.C.
BOZDOĞAN BELEDİYE BAŞKANLIĞI
İmar ve Şehircilik Müdürlüğü

Sayı : E-46925791-115.01.99-10614
Konu : Tahsis

BOZDOĞAN MİLLİ EMLAK ŞEFLİĞİNE

İlçemiz Kavaklı Mahallesi 108 ada 1 parsel nolu taşınmaz üzerinde lisansız güneş enerjisi santrali yapılması planlanmakta olup Mülkiyeti Maliye Hazinesi adına kayıtlıdır. bahse konu taşınmaz 2 yıl süreyle 21/08/2020 tarih E.171814 sayılı yazısı ile Belediyemize tahsisi edilmiştir.

Söz konsusu taşınmazın sürdürebilir şehirler projesi kapsamında güneş enerjisi santrali yapımı için taşınmazın kurumumuza tahsisinin devam edip etmediği hususunda ;

Bilgi ve gereğini rica ederim.

Mustafa Galip ÖZEL
Belediye Başkanı

Adres: Yeni Mahalle Yazıkent Caddesi No:86 Bozdoğan
Telefon No: 02564141008 Faks No: (256)414 33 11
e-Posta: bilgi@bozdogan.bel.tr İnternet Adresi: http://www.bozdogan.bel.tr
Kep Adresi: bozdoganbelediyesi@hs01.kep.tr
Bilgi için: Hüseyin MÜNEZ
Harita Kadastro Tek.
Telefon No: -

T.C.
BOZDOĞAN KAYMAKAMLIĞI
Milli Emlak Şefliği

Sayı : E-48206603-000-12929619 02.07.2025
Konu : Genel

BOZDOĞAN BELEDİYE BAŞKANLIĞINA

İlgi : Bıla tarih ve 10614 sayılı yazınız.

İlgi yazınıza konu ilçemiz Kavaklı Mahallesinde bulunan 108 ada 1 Parsel (eski 2274) numaralı mülkiyeti hazine adına kayıtlı taşınmaz üzerinde sürdürülebilir şehirler projesi kapsamında güneş enerjisi santrali yapımı için taşınmaz üzerinde tahsisinizin devam edip etmediği sorulmuştur.

Söz konusu taşınmaz tarafınıza 02 .06.2020 yılında 2 yıl ön tahsisli olarak tahsis edilmiş olup bıla tarih ve 7069 tarihli yazınız ile kesin tahsisi talep edilmiştir.

İlgili taşınmaz üzerinde kesin tahsis işlemleriniz devam etmektedir.

Bilgilerinize arz ederim.

Ahmet BULUT
Milli Emlak Şef Görevlisi

ANNEX-4 PROJECT AREA PHOTOS

PROJECT AREA PHOTOS

ANNEX-5 CONNECTION AGREEMENT

DAĞITIM SİSTEMİNE BAĞLANTI ANLAŞMASI
(ÜRETİM FAALİYETİ GÖSTEREN TÜZEL KİŞİLER İÇİN)

Üretici No: 4010005;...;4010004
Tarih: 16.04.2021

Sayısı:19.09.02.02.00000939

Bu Anlaşma; isim veya unvanı ile kanuni ikametgah adresi aşağıda belirtilen Üreticiye ait Elektrik Piyasasında Lisanssız Elektrik Üretimine İlişkin Yönetmelik kapsamında kurulmuş üretim tesisinin 6446 sayılı(ı Elektrik Piyasası Kanunu (Kanun) ve 5346 sayılı Yenilenebilir Enerji Kaynaklarının Elektrik Enerjisi Üretimi Amaçlı Kullanımına İlişkin Kanun (YEK Kanunu) ile bu kanunlar uyarınca çıkarılmış ikincil mevzuat uyarınca dağıtım sistemine bağlanması için gerekli hüküm ve şartları içermektedir.

Taraflar:	Dağıtım Şirketi:	Kullanıcı:
	ADM Elektrik Dağıtım A.Ş.	**Bozdoğan Belediyesi**
Kanuni Adresleri:	Adalet Mahallesi Hasan Gönüllü Bulvarı No: 17/A Merkezefendi / Denizli	Çarşı Mah. Muğla Cad. No:1 Bozdoğan / AYDIN

Temsile Yetkili Kişiler:

ADM
Elektrik Dağıtım A.Ş.

Bozdoğan Belediyesi
Ufuk ALTINTAŞ
Belediye Başkanı

Bu anlaşma, genel hükümleri içeren Birinci Bölümü ve özel hükümleri ve ekleri içeren İkinci Bölümü ile birlikte ayrılmaz bir bütündür.

1 / 18

ANNEX-6 AYDIN GOVERNORSHIP PROVINCIAL DIRECTORATE OF CULTURE AND TOURISM LETTER

T.C.
KÜLTÜR VE TURİZM BAKANLIĞI
Kültür Varlıkları ve Müzeler Genel Müdürlüğü
Aydın Kültür Varlıklarını Koruma Bölge Kurulu Müdürlüğü

Sayı : 52623597-165.02.04-E.657898 07.09.2020

Konu : (09 01 233) Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesi, 2474, 2475, 2476 parsellerin imar planı çalışmalarına esas kurum görüşü hk.

BOZDOĞAN BELEDİYE BAŞKANLIĞINA

İlgi : Bozdoğan Belediye Başkanlığı'nın 26.06.2020 tarih ve 531-157 sayılı yazısı. .

Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesinde bulunan ve tapunun 2474, 2475, 2476 parsel numaralarında kayıtlı taşınmazlarda imar planı çalışmalarına esas kurum görüşümüzün belirtilmesini talep eden ilgi yazı incelenmiştir.

Müdürlüğümüz arşivinde yapılan araştırmalarda; tapunun 2474, 2475, 2476 parsel numaralarında kayıtlı taşınmazlara ilişkin herhangi bir bilgi ve belgeye rastlanılamamıştır.

Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesinde bulunan ve tapunun 2474, 2475, 2476 parsel numaralarında kayıtlı taşınmazların 1/1000 ölçekli uygulama imar planı çalışmalarına yönelik bahse konu taşınmazların 2863 sayılı Kültür ve Tabiat Varlıklarını Koruma Kanunu'nun 6. ve 7. maddesi kapsamında tespit işlemlerine esas olmak üzere Müdürlüğümüz uzmanlarınca yerinde yapılan incelemeler sonucunda taşınmazlar üzerinde tescil değerlendirmesine tabi olabilecek herhangi bir yapıya ve taşınmazlar yüzeyinde herhangi bir kültür varlığı izine rastlanılamamıştır. Ancak söz konusu taşınmazlar üzerinde yapılacak her türlü iş ve işlem esnasında, taşınır-taşınmaz kültür varlığına rastlanıldığında 2863 sayılı Kültür Varlıklarını Koruma Kanunu 4. maddesi gereği, en yakın ilgili Müze Müdürlüğü'ne ve/veya Müdürlüğümüze bilgi verilmesi hususunda;

Bilgilerinizi ve gereğini arz/rica ederim.

e-imzalıdır
Metin KÜÇÜKKAPLAN
Müdür V.

Dağıtım:
Aydın Büyükşehir Belediye Başkanlığına
Bozdoğan Belediye Başkanlığına

Not: 5070 sayılı Elektronik İmza Kanunu gereği bu belge elektronik imza ile imzalanmıştır.

Evrak Doğrulama Kodu : DBFAMVKBBXNZQFNMYYOE Evrak Takip Adresi: http://belgedogrulama.kultur.gov.tr/
Veysipaşa Mahallesi Hükümet Bulvarı No:67 09100
Telefon No : (256) 213 77 37 Belgegeçer No : (256) 213 45 11
e-posta : aydinkurul@ktb.gov.tr internet adresi
:www.kultur.gov.trKEP:aydinkurul@hs01.kep

Bilgi için:Havva Seçer SAĞINÇ
Şehir Plancısı
Telefon No:(256) 213 77 37-130

Belge [illegible] elektronik imzalıdır.
08/09/2020
Necdet ÖZALP
Eski Eser Mez.

ANNEX-7 AYDIN GOVERNORSHIP CULTURAL HERITAGE PRESERVATION REGIONAL BOARD LETTER (05.01.2024)

T.C.
AYDIN VALİLİĞİ
İl Kültür ve Turizm Müdürlüğü

Sayı : E-59915915-300-4621249

Konu : Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesi, 2474 parsel (yeni 108 ada 1 parsel) ve 2476 parselde (yeni 108 ada 3 parsel) Lisanssız Elektrik Üretim Tesisi ile hizmet binası amaçlı planlama çalışmalarına esas kurum görüşü hk.

BOZDOĞAN BELEDİYE BAŞKANLIĞINA

İlgi : 04.01.2024 tarihli ve 46925791-115.01.04-6610 sayılı yazınız.

Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesinde bulunan ve tapunun 2474 parsel (yeni 108 ada 1 parsel) ve 2476 parselde (yeni108 ada 3 parsel) kayıtlı taşınmazlarda Lisanssız Elektrik Üretim Tesisi (Güneş Enerji Santrali) ve hizmet binası amaçlı 1/5000 ölçekli nazım imar planı ve 1/1000 ölçekli uygulama imar planı çalışmalarına esas kurum görüşümüz ilgi yazınız ile talep edilmektedir.

Müdürlüğümüz arşivinde yapılan incelemelerde; Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesinde bulunan ve tapunun 2474 parsel (yeni 108 ada 1 parsel) ve 2476 parsel (yeni 108 ada 3 parsel) numaralarında kayıtlı taşınmazların, 2634 sayılı Turizmi Teşvik Kanunu kapsamında ilan edilmiş olan herhangi bir Turizm Merkezi veya Kültür ve Turizm Koruma ve Gelişim Bölgesi sınırları içerisinde kalmadığı tespit edilmiş olup, söz konusu taşınmazlarda Lisanssız Elektrik Üretim Tesisi (Güneş Enerji Santrali) ve hizmet binası amaçlı 1/5000 ölçekli nazım imar planı ve 1/1000 ölçekli uygulama imar planı çalışmalarının yapılmasında 2634 sayılı yasa kapsamında Müdürlüğümüzce herhangi bir sakınca bulunmamaktadır. Ancak 2863 sayılı Kültür ve Tabiat Varlıklarını Koruma Kanununun kültür varlıkları açısından gerekli değerlendirmelerin yapılıp görüş belirtilmesi için Aydın Kültür Varlıklarını Koruma Bölge Kurulu Müdürlüğüne başvurulması hususunda;

Bilgilerinizi ve gereğini rica ederim.

Ahmet DEMİR
Vali a.
İl Kültür ve Turizm Müdür V.

Bu belge, güvenli elektronik imza ile imzalanmıştır.
Doğrulama Kodu: E8E449C9-0DE3-4EBC-90E6-365C9AEB9BFE Doğrulama Adresi: https://www.turkiye.gov.tr/kib-ebys
Hasan Efendi Mah. 1913. Sokak No:67
Tel: 0 256 212 8506 Fax: 0 256 225 7514
E-posta: bilgi@aydinkulturturizm.gov.tr Site: www.aydinkulturturizm.gov.tr
KEP Adresi : aydinkulturturizm@hs01.kep.tr
Bilgi için:Havva Seçer SAĞINÇ
Şehir Plancısı

ANNEX-8 AYDIN GOVERNORSHIP PROVINCIAL DIRECTORATE OF AGRICULTURE AND FORESTRY LETTER

GIDANI KORU
SOFRANA SAHİP ÇIK

T.C.
AYDIN VALİLİĞİ
İl Tarım ve Orman Müdürlüğü

Sayı : E-79598179-230.04.02-2837356 08.10.2020
Konu : Arazi Sınıf Tespiti

BOZDOĞAN BELEDİYE BAŞKANLIĞINA
(İmar ve Şehircilik Müdürlüğü)

İlgi : 15.09.2020 tarihli ve 52919864-272 sayılı yazınız.

İlgi yazınız ile İlimiz Bozdoğan İlçesi Kavaklı Mahallesi 2474 ve 2476 parsel numaralı taşınmazlar üzerinde Belediye Başkanlığınız tarafından lisanssız güneş enerjisi santrali yapılması planlandığından bahisle, söz konusu yatırımın yapılmasında herhangi bir sakınca olup olmadığı sorulmuştur.

İlimiz Bozdoğan İlçesi Kavaklı Mahallesi 2474 ve 2476 parsel numaralı taşınmazlar Müdürlüğümüz tarafından yerinde incelenmiş olup, arazi özellikleri ve kullanım şekilleri birlikte değerlendirilerek, 2474 parsel numaralı taşınmazın yazımız ekindeki uydu görüntüsünde yeri belirtilen 0,49 hektarlık kısmı Dikili Tarım Arazisi, geriye kalan 2,71 hektarlı kısmı Kuru Marjinal Tarım Arazisi, 5,481 hektar yüzölçümüne sahip 2476 parsel numaralı taşınmazın tamamı ise Kuru Marjinal Tarım Arazisi olarak nitelendirilmiştir. Bu bir izin niteliği taşımamakta olup, talebe konu taşınmazların marjinal tarım arazisi niteliğinde olan kısımlarının imar planı hazırlanması suretiyle tarım dışı amaçlı kullanılması söz konusu olması durumunda, 5403 sayılı Toprak Koruma ve Arazi Kullanım Kanunu kapsamında tarım dışı amaçlı kullanım izni alınması gerekmektedir.

Bilgileriniz ve gereğini rica ederim.

Yılmaz BOZKIR
İl Müdür V.

Ek:
1 - Uydu görüntüsü.
2 - Dikili Tarım Arazisi KMZ.
3 - Marjinal Tarım Arazisi KMZ.
4 - Marjinal Tarım Arazisi KMZ.

İmar md
09.10.2020
13.564/1618
ekler mail.

Bu belge, güvenli elektronik imza ile imzalanmıştır.
Belge Doğrulama Kodu : ZMDSLAOU Belge Doğrulama Adresi: https://www.turkiye.gov.tr/tarim-ve-orman-bakanligi-ebys

Adnan Menderes Mah.Yahya Kemal Cad.No: 2 Efeler/AYDIN
Tel: (0256) 211 30 00 Faks: 0256 211 30 10
E-Posta: aydin@tarimorman.gov.tr Kep: tarimveormanbakanligi@hs01.kep.tr
Bilgi için:Mustafa ÖNKOL
Mühendis
Telefon No:(256) 211 30 00-531

ANNEX 9- AYDIN GOVERNORSHIP REGIONAL DIRECTORATE OF FORESTRY LETTER

T.C.
ORMAN GENEL MÜDÜRLÜĞÜ
Muğla Orman Bölge Müdürlüğü

Sayı : 30249517-255.99[255.99]-E.1852895 — 572 - 1991 - 07.09.2020

Konu : Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesi 2474, 2475 ve 2476 Parseller Hak.

BOZDOĞAN BELEDİYE BAŞKANLIĞI
(İmar Ve Şehircilik Müdürlüğüne)

İlgi : 26.06.2020 tarih 204 sayılı yazınız.

İlgi yazı gereğince Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesi 2474, 2475 ve 2476 Parseller ile ilgili Nazilli Orman İşletme Müdürlüğünce yapılan incelemeye göre;

Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesi **2475 nolu parselin** bir kısmının bitişiğindeki orman parseli gibi fıstık çamı dikilerek ağaçlandırıldığı tespit edilmiş olup, **ağaçla kaplı alanın ifraz edilmesi gerekmektedir.**

Diğer **2474 ve 2476 parsellerde** Lisanslı Elektrik Üretimi Tesisi ve Santrali amaçlı 1/5000 ve 1/1000 ölçekli imar planı uygulaması yapılmasında **Kurumumuzca bir sakınca bulunmamaktadır.**

Bilgilerinizi ve gereğini rica ederim.

e-imzalıdır
Yasin YAPRAK
Bölge Müdürü

Ek : 01/09/2020 tarihli 65137611-255.01.02-E.1814919 sayılı yazı ve ekleri.(Ek konulmadı)

İmar Md
18.09.2020

1299
13-508

Ömer ARSLAN
Bilgisayar İşletmeni

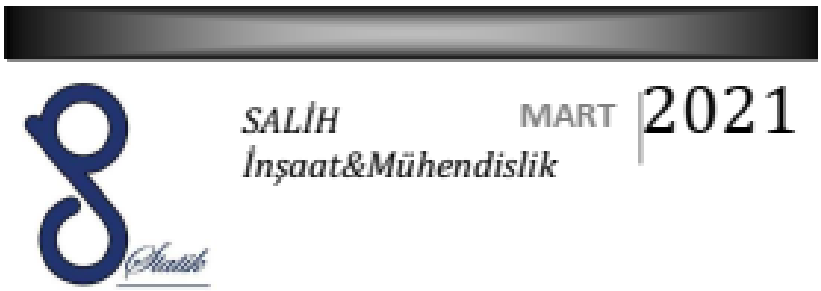
Not: 5070 sayılı elektronik imza kanunu gereği bu belge elektronik imza ile imzalanmıştır.

Kalitest
ISO/IEC 27001:2013

Evrak Doğrulama Kodu : EALCIPAV Evrak Takip Adresi: https://www.turkiye.gov.tr/ogm-ebys
Muğla Orman Bölge Müdürlüğü/Kadastro ve Mülkiyet Şube Müdürlüğü Merkez/MUĞLA
Telefon No:0(252) 212 28 11 Belge Geçer No:0(252) 212 28 11
e-posta:mehmetdemez@ogm.gov.tr internet

Bilgi için:Ömer ARSLAN
Daimi İşçi

ANNEX-10 SPP ALUMINUM AND STEEL CARRIER SYSTEMSTATIC CALCULATION REPORT



BOZDOĞAN BELEDİYESİ
GES-1

GÜNEŞ ENERJİ PANELLERİ ALÜMİNYUM VE ÇELİK TAŞIYICI SİSTEMİ
STATİK HESAP RAPORU

AYDIN/BOZDOĞAN

HAZIRLAYAN
İNŞ. MÜH. SALİH PİŞKİN
ODA SİCİL: 102702

ANNEX-11 DUST EMISSION MASS FLOW CALCULATION

Mass Flow Calculations Emission Factors (SKHKKY)

PROCESS	EMISSION FACTOR	
	Uncontrolled	controlled
Disassembly of Materials	0,025 kg/ton	0,0125 kg/ton
Storage	5,8 kg/ha.day	2,9 kg/ha.day

The excavation and ground preparation works of the planned project are expected to be completed within 3 weeks. In the calculations, the excavation density was taken as 1,7 tons/m³ and all calculations are given below:

Dismantling Excavation Materials and Loading them into Vehicles

Material Dismantling

Within the scope of the project, a total of 6.000 m^3 of materials will be dismantled in the project area. The mass flow rate of the emission that will occur is calculated using the controlled and uncontrolled emission factor and is given below.

Controlled

Dust Emission **(E_1)** = [6.000 m^3 x 1,7 tons/m^3 x 0,0125 kg/ton] / [21 days x (12 h/day)]

= **0,51 kg/hour**

Uncontrolled

Dust Emission **(E_1)** = [6.000 m^3 x 1,7 tons/m^3 x 0,025 kg/ton] / [21 days x (12 h/day)]

= **1,01 kg/hour**

Storage of material

The resulting excavation waste will be temporarily stored where the excavation is carried out and will later be used as filling material. In this context, it is planned to store 6,000 m^3 of materials at approximately 3 m elevations. Calculations for controlled and uncontrolled dust emissions that will occur in these processes are given below:

Excavation storage area = 6.000 m^3 / 3 m = 144 m^2 **= 2.000 m² = 0,2 ha**

Controlled

Dust Emission **(E_2)** = 0,2 ha x 2,9 kg/ha.day x (1 day/24 hours)

= 0,024 kg/hour

Uncontrolled

Dust Emission **(E_2)** = 0,2 ha x 5,8 kg/ha.day x (1 day/24 hours)
= 0,048 kg/hour

Total Emission (Controlled); **= E_1 + E_2**
= 0,51 + 0,024
= 0,53 kg/hour

Total Emission (Uncontrolled); **= E_1 + E_2**
= 1,01 + 0,048
= 1,06 kg/hour

The dust emission that will occur if the dismantling, loading, unloading, transportation and storage of the excavation are carried out simultaneously within the scope of the land preparation and construction works of the project has been calculated.

Since the dust emission value calculated in the controlled situation was 0,53 kg/hour, air quality modeling was not needed within the scope of the construction phase of the project

ANNEX-12 NOISE CALCULATION

The total sound pressure level that will occur under the most adverse conditions, assuming that the machinery and equipment to be used during the construction works are working at the same time and in distant locations and dispersedly;

It is calculated using the formula $L_{pt} = 10 \text{ Log } ( ).\sum_{i=1}^{n} 10^{Lpi/10}$

L_{pt} = Total sound pressure level
L_{pi} = Sound pressure level resulting from each work machine

Lpi) created by each work machine at a distance r from each source is calculated by the formula below.

$L_{pi} = L_{wi} + 10 \log (Q/A)$
$A = 4\pi r^2$
Q = Directivity coefficient (Hemispherical distribution of the sound source at ground level, Q = 2)
r = Distance from source (m)
L_{wi} = Sound power level (dB) of each work machine

The decrease in sound due to the effect of the atmosphere (Aatm) depends on the frequency of the source and the distance from the source. The average frequency range for construction equipment and road vehicles is accepted as 3,000-3,500 Hertz. The decrease in the average sound pressure level due to atmospheric retouching is calculated by the formula below.

atm _ = 7.4 x 10-8 x f2 xr / ϕ
atm _ = Decrease in sound pressure level (dBA) with atmospheric retouching
f = Frequency of transmitted sound (3.500)
r = Distance from source (m)
ϕ = Relative humidity of air (59.8%)

The calculation of the total noise level is found by subtracting the atmospheric effect from the total sound pressure level.

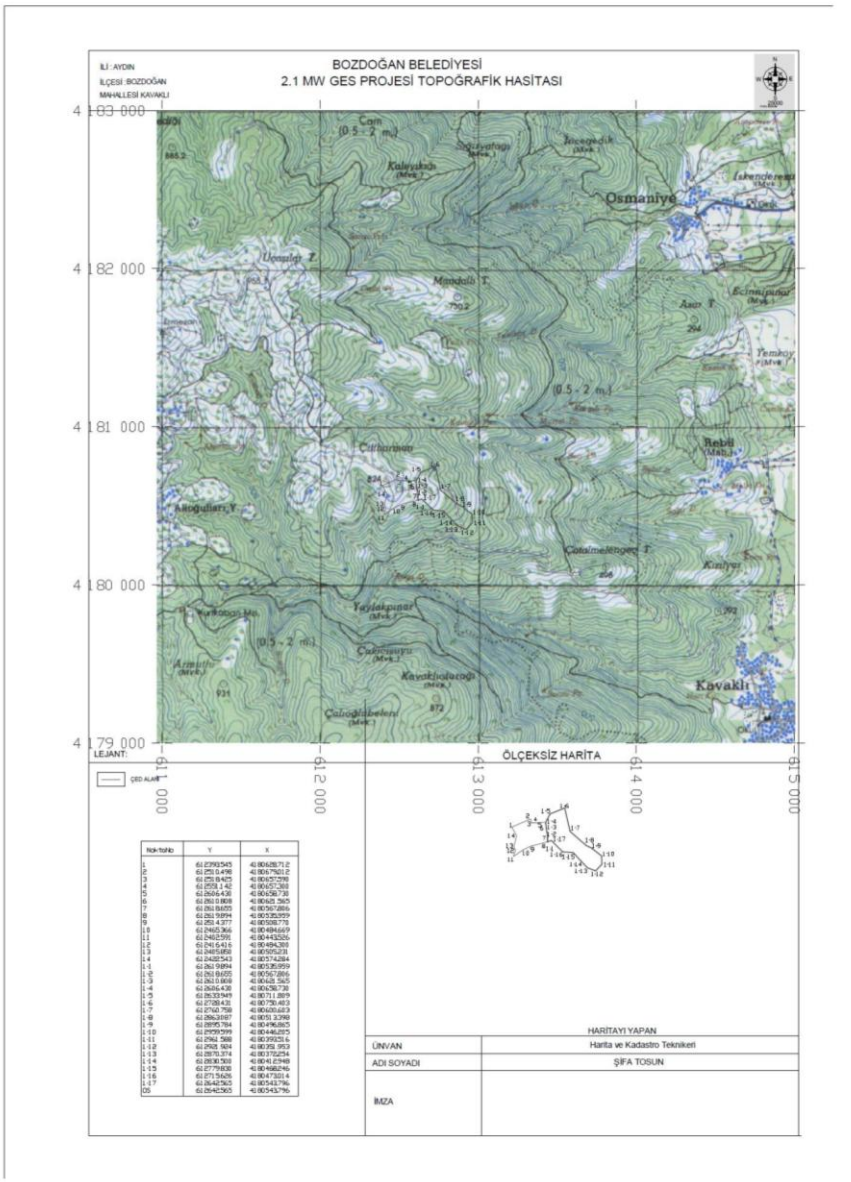
$L = L_{pt} - A_{atm}$

In case noise sources operate simultaneously, equivalent noise levels according to distances are calculated using the formula given below. Equivalent noise level distribution is given in table.

Distribution of Equivalent Noise Level by Distance

Distance (m)	25	50	100	200	300	500	750	1.000
$L_{eş}$	38.6	37.5	36.3	34.8	-	-	-	-

ANNEX-13 TOPOGRAPHIC MAP



ANNEX-14 ENERGY TRANSMISSION LINE ROUTE

ANNEX-15 GRIEVANCE FORM

	BOZDOĞAN MUNICIPALITY **SOLAR POWER PLANT PROJECT**
	GRIEVANCE FORM

Person Filling Out the Form:	Date and time:
Meeting Agenda:	Reference No: Bozdoğan Municipality-Project Code-0001-2..
1. INFORMATION ABOUT THE COMPLAINANT	
Name surname:	**How the Complaint Arrives:**
TC Identification number:	Telephone / Toll Fr Line ☐
Telephone:	Face to Face Meet ☐
Address:	Website / Email ☐
Email:	Other (Explain) ☐

Stakeholder Type				
State age ☐	PEB ☐	Private Enterprise ☐	Job Room ☐	NGO ☐
Interest Groups ☐	Industrial Unions ☐	Labor Un ☐	Media ☐	Univers ☐

2. DETAILED INFORMATION ABOUT THE COMPLAINT	
Description of the complaint:	

Solution method requested by the complainant	

Registrant Name Surname/Signature **Complainant Name Surname/Signature**

ANNEX-16 INFORMATION LETTER ON STARTING WORK

Dear Kavaklı Neighborhood Residents,

Some roads in your neighborhood will be affected during the "Opening of Electricity Transmission Lines" work within the scope of the Solar Power Plant project planned by Bozdoğan Municipality.

According to the approved work program, the work in your neighborhood will start **soon** . First of all, we would like to apologize in advance for any inconvenience we may cause to those around us during the work.

Temporary Traffic Circulation Plans approved by Aydın Metropolitan Municipality Transportation Department will be notified to your neighborhood mukhtar's office and transportation will be provided through the route determined by direction signs during the period the works continue.

We would like to inform you that we will do our best to cause you minimum inconvenience by completing the construction works as soon as possible in every street where excavation has started during our work.

In addition, the phone numbers of the authorities who can be called in case of any issue or disruption during the works are listed below. We would like to thank you in advance for your support and patience and tolerance to create a cleaner and more beautiful environment.

Regards,

Contact Persons:

Name Surname Phone.

ANNEX-17 GRIEVANCE CLOSE OUT FORM

	BOZDOĞAN MUNICIPALITY **SOLAR POWER PLANT PROJECT**
	GRIEVANCE CLOSE OUT FORM
Reference No: Bozdoğan Municipality- Project Code-0001-2..	
1. DETERMINING CORRECTIVE ACTION	
1	
2	
3	☐
4	☐
5	☐
2. CLOSE OUT THE GRIEVANCE	
This section will be filled and signed by the complainant if the complaint specified in the "Complaint Registration Form" is resolved.	
Name Surname / **Signature of the Person** **Closing the Complaint/Date**	**Name Surname /** **Signature of Complainant/Date**

ANNEX-18 CONSULTATION FORM

	BOZDOĞAN MUNICIPALITY **SOLAR POWER PLANT PROJECT**
	CONSULTATION FORM

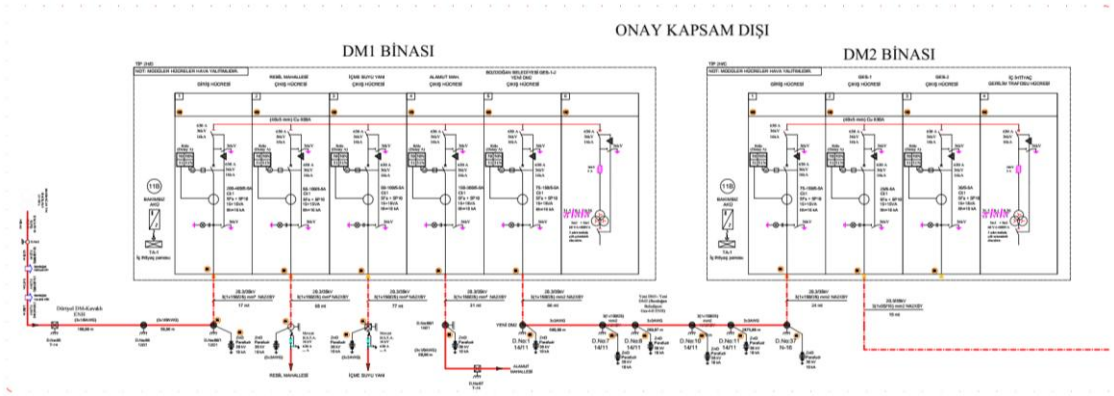
Person Filling Out the Form:	Date and time:
Meeting Agenda:	Interview Registration Number: Bozdoğan Municipality / Project Code-0001-2..
1. INTERVIEW INFORMATION	
Interviewed Institution:	Form of Communication
Name and Surname of the Interviewee:	Telephone / Toll Fr Line ☐
Telephone:	Face to Face Meeti g ☐
Address:	Website / Email ☐
Email:	Other (Explain) ☐

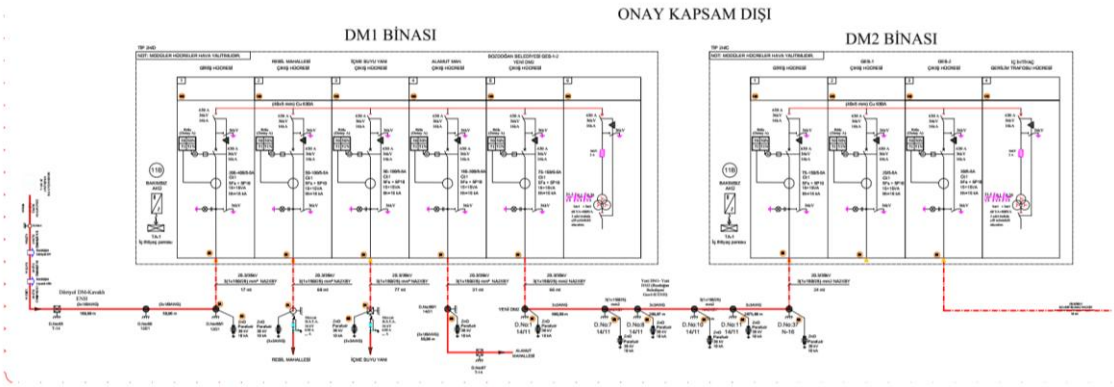
Stakeholder Type				
State age ☐	PEB ☐	Private Enterprise ☐	Job Room ☐	NGO ☐
Interest Groups ☐	Industrial Unions ☐	Labor Un ☐	Media ☐	Univers ☐

2. INTERVIEW DETAILS	
Questions about the project:	

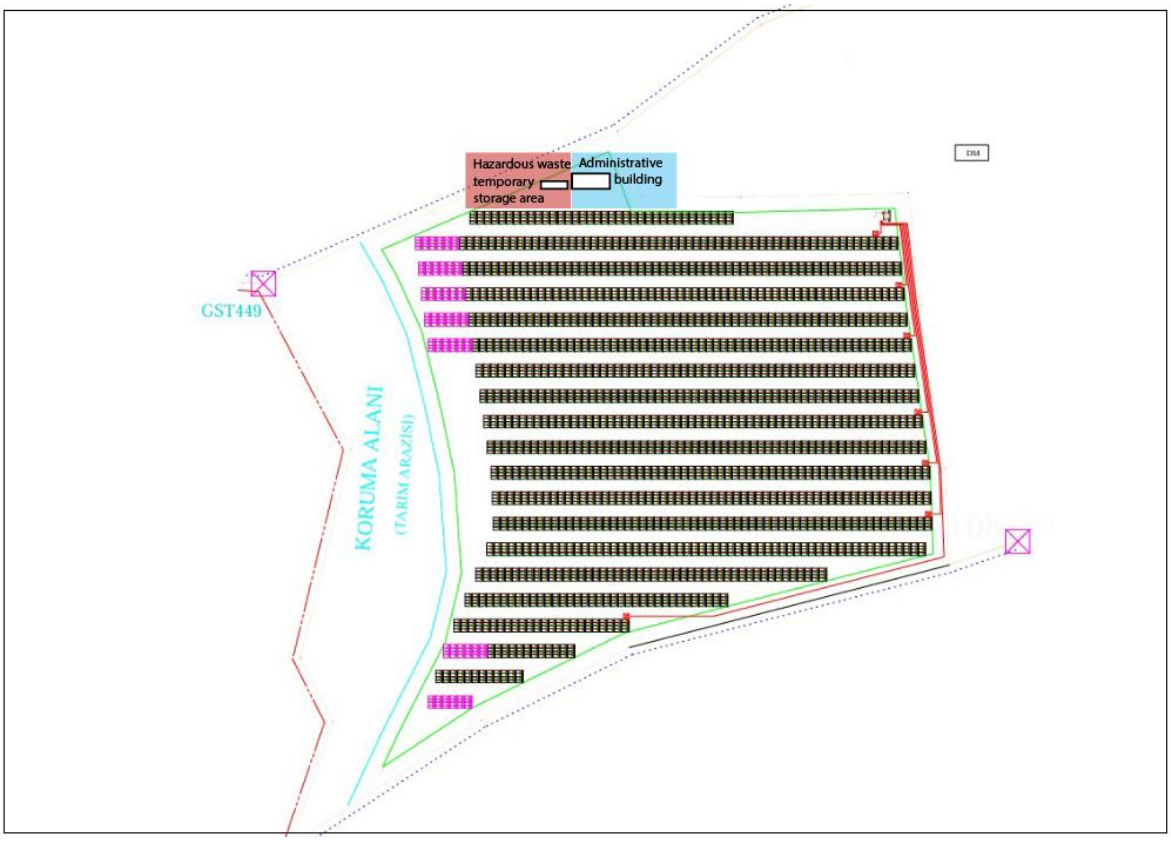
Concerns/feedback regarding the project:	
Responses to the views expressed above:	

ANNEX-19 LINE DIAGRAM





ANNEX-20 PANEL LAYOUT PLAN



ANNEX-21 EIA NOT REQUIRED LETTER

TASNİF DIŞI

T.C.
AYDIN VALİLİĞİ
Çevre, Şehircilik ve İklim Değişikliği İl Müdürlüğü

Sayı : E-98914016-220.02-8167927
Konu : Ek-2 Proje Tanıtım Dosyası

BOZDOĞAN BELEDİYE BAŞKANLIĞINA

İlgi : 07.12.2023 tarihli ve 46925791-115.02.01-6461 sayılı yazınız.

İlimiz Bozdoğan ilçesi, Kavaklı Mahallesi'nde, 22 pafta, 2474, 2475, 2476 parsel numaralı alanlarda (toplam ÇED alanı=8,68 hektar) Bozdoğan Belediye Başkanlığı tarafından yapılması pılanlanan 2,1 MWe kapasiteli "Güneş Enerji Santrali (GES)" projesine ilişkin olarak ÇED Yönetmeliğinin 16. maddesi uyarınca hazırlanan Proje Tanıtım Dosyası (PTD) Valiliğimize (Çevre ve Şehircilik İl Müdürlüğü) sunulmuştur. Valiliğimizce PTD incelenerek değerlendirilmiş ve ÇED Yönetmeliğinin 17. Maddesi gereğince proje için verilen "ÇED Gerekli Değildir" kararına istinaden proje için 26.10.2020 tarih ve E.2020177 No'lu "Çevresel Etki Değerlendirme Belgesi" düzenlenmiştir.

"ÇED Gerekli Değildir" kararı verilen proje için 5 yıl içinde mücbir sebep bulunmaksızın yatırıma başlanmaması durumunda "ÇED Gerekli Değildir" kararı geçersiz sayılır. ÇED Yönetmeliği hükümlerince verilen "ÇED Gerekli Değildir" kararları faaliyete başlanılması için gerekli ancak yeterli olmayıp, projenin hayata geçirilebilmesi için mer'i mevzuat kapsamında başta İl Tarım ve Orman Müdürlüğü, Muğla Orman Bölge Müdürlüğü olmak üzere ilgili tüm kamu kurum ve kuruluşlarından gerekli izin, ruhsat, onay, uygun görüş alınması gerekmektedir. Bu itibarla "ÇED Gerekli Değildir" kararı verilmiş olan bu faaliyetin belirtilen alanda gerçekleştirilip gerçekleştirilmeyeceği hususunda, ilgili kamu kurum ve kurumları kendi mevzuatları uyarınca izin, ruhsat, onay, uygun görüş verme yetkisine sahip olup, bu izinlerin alınamaması durumunda faaliyet gerçekleştirilemez.

Söz konusu faaliyete ilişkin proje tanıtım dosyası ve eklerinde belirtilen hususlar ile 2872 Sayılı Çevre Kanunu ve bu kanuna istinaden yürürlüğe giren ilgili yönetmeliklere uyulması, mer'i mevzuat uyarınca ilgili kurum/kuruluşlardan gerekli izinlerin alınması, projede değişiklik yapılması planlanması halinde Valiliğimize (Çevre, Şehircilik ve İklim Değişikliği İl Müdürlüğü) bildirilmesi gerektiği hususunda;

Bilgi ve gereğini rica ederim.

Dr. Mehmet GÖDEKMERDAN
Vali a
Vali Yardımcısı

Bu belge, güvenli elektronik imza ile imzalanmıştır.
Doğrulama Kodu: A3901AE6-D800-483A-A885-38B65E51A95C Doğrulama Adresi: https://www.turkiye.gov.tr

Zeybek Mah. İsmet Sezgin Bul. No:20 09020 Efeler/AYDIN
Telefon:0 256 219 57 70 Faks: 0 256 219 57 69
e-posta: aydin@csb.gov.tr kep: aydincevrevesehircilik@hs01.kep.tr
KEP Adresi : aydincevrevesehircilik@hs01.kep.tr
Bilgi için:Elçin KARADENİZ
Şube Müdürü

TASNİF DIŞI

ANNEX-22 ETL LOTS INFORMATION

LIST OF OWNERS						
No	Neighborhood	Block	Lot	Owner	Pylon Foundations (m^2)	Easement right (Area, m^2)
1	Kavaklı Neighborhood	127	11	Ahmet Safa SABUNCUOĞLU	6.99	
2	Kavaklı Neighborhood	YOL	YOL	Bozdoğan Municipality		13.69
3	Kavaklı Neighborhood	YOL	YOL	Bozdoğan Municipality		12.63
4	Kavaklı Neighborhood	168	39	Hasan SABUNCUOĞLU	64.11	2145.85
5		YOL	YOL	Bozdoğan Municipality	15 pylon	8564
6	Kavaklı Neighborhood	127	10	Ahmet Safa SABUNCUOĞLU	1.86	
7	Kavaklı Neighborhood	127	9	Bilgeser ŞÜKÜN	9	
8	Kavaklı Neighborhood	168	30	Nazlı SABUNCUOĞLU		93.31
9	Kavaklı Neighborhood	127	8	Nurdan CENGİZ	3.64	682
10	Kavaklı Neighborhood	168	29	Ali ERCAN		107
11	Kavaklı Neighborhood	168	28	Elif ÖDEMİŞ		75
12	Kavaklı Neighborhood	168	27	Mehmet ANKARA		27
13	Kavaklı Neighborhood	127	7	Ali B. BARLAS	10	807
14	Kavaklı Neighborhood	168	26	Mesut PEKER		0.35
15	Kavaklı Neighborhood	168	23	Hanife ÖZHAN		2.65
16	Kavaklı Neighborhood	168	22	Zekai SAVAŞ		378
17	Kavaklı Neighborhood	127	5	Hüseyin EŞHAN		1242
18	Kavaklı Neighborhood	168	20	Sebahaddin UYSAL		83
19	Kavaklı Neighborhood	127	3	Ahmet Safa SABUNCUOĞLU	5	1200
20	Kavaklı Neighborhood	168	10	Şükran DEMİR		225
21	Kavaklı Neighborhood	168	18	Bekir TÜRKOĞLU		38
22	Kavaklı Neighborhood	168	7	DSİ		43.66
23	Kavaklı Neighborhood	127	2	DSİ	1	227
24	Kavaklı Neighborhood	168	2	Bekir TÜRKOĞLU		978
25	Kavaklı Neighborhood	127	12	Ahmet Safa SABUNCUOĞLU	10	435

26	Kavaklı Neighborhood	127	1	Ahmet Safa SABUNCUOĞLU	8.27	1800
27	Kavaklı Neighborhood	121	4	Hülya MAMUS		44
28	Kavaklı Neighborhood	122	1	Bozdoğan Municipality	5.25	114
29	Kavaklı Neighborhood	123	5	Ümmü ERİŞKEN		161
30	Kavaklı Neighborhood	123	4	Bozdoğan Municipality		154
31	Kavaklı Neighborhood	121	3	Bozdoğan Municipality		0.82
32	Kavaklı Neighborhood	121	2	Kadir TURAN	0.79	34.96
33	Kavaklı Neighborhood	123	3	Sabriye ATAY		25
34	Kavaklı Neighborhood	123	2	Sabriye ATAY		25
35	Kavaklı Neighborhood	YOL	YOL	Bozdoğan Municipality		10
36	Kavaklı Neighborhood	121	1	Bozdoğan Municipality		14.18
37	Kavaklı Neighborhood	123	1	ASKİ		108.97
38	Kavaklı Neighborhood	120	1	Bozdoğan Municipality		6.71
39	Kavaklı Neighborhood	113	52	Ali TURAN		135
40	Kavaklı Neighborhood	119	3	Ali TURAN		49
41	Kavaklı Neighborhood	119	4	Bilal ORHAN		114.63
42	Kavaklı Neighborhood	119	1	Bilal ORHAN		380
43	Kavaklı Neighborhood	119	2	Şerafeddin GÜNGÖR		0.02
44	Kavaklı Neighborhood	119	6	Ali Rıza DEMİRKOL		38.89
45	Kavaklı Neighborhood	YOL	YOL	Bozdoğan Municipality		121
46	Kavaklı Neighborhood	113	57	Bozdoğan Municipality	6.21	100
47	Kavaklı Neighborhood	YOL	YOL	Bozdoğan Municipality	Pylon	295
48	Kavaklı Neighborhood	113	61	Fatma DEMİRKOL		88
49	Kavaklı Neighborhood	114	17	Bozdoğan Municipality		257
50	Kavaklı Neighborhood	114	19	Ulviye DEMİRKOl		272
51	Kavaklı Neighborhood	114	18	Bozdoğan Municipality		147.69
52	Kavaklı Neighborhood	114	66	ASKİ		6.79
53	Kavaklı Neighborhood	YOL	YOL	Bozdoğan Municipality		243
54	Kavaklı Neighborhood	116	1	Bozdoğan Municipality		411
55	Kavaklı Neighborhood	YOL	YOL	Bozdoğan Municipality		255

56	Kavaklı Neighborhood	115	2	Bozdoğan Municipality		328
57	Kavaklı Neighborhood	YOL	YOL	Bozdoğan Municipality		163
58	Kavaklı Neighborhood	114	39	Muharrem GÜNGÖR		69
59	Kavaklı Neighborhood	114	38	Muharrem GÜNGÖR		455
60	Kavaklı Neighborhood	YOL	YOL	Bozdoğan Municipality		141
61	Kavaklı Neighborhood	114	45	Public Domain Property		1.28
62	Kavaklı Neighborhood	114	46	Public Domain Property	15	2273
63	Kavaklı Neighborhood	114	37	Emin ÇETİN		0.11
64	Kavaklı Neighborhood	114	49	Public Domain Property	12.52	2296
65	Kavaklı Neighborhood	114	50	Public Domain Property	6.25	1232.51
66	Kavaklı Neighborhood	114	56	Aydın Provincial Directorate of Agriculture and Forestry	3.44	1107
67	Kavaklı Neighborhood	114	57	Melahat TURAN	6.25	560
68	Kavaklı Neighborhood	114	58	Nazım DEMİRKOL	1.4	81.71
69	Kavaklı Neighborhood	114	60	Public Domain Property	4.84	1382
70	Kavaklı Neighborhood	114	61	Treasury of Finance		415
71	Kavaklı Neighborhood	114	62	İrfan BEŞPARMAK		1488
72	Kavaklı Neighborhood	110	6	Sefa ORHAN	7.29	842
73	Kavaklı Neighborhood	110	7	Mehmet GÜNGÖR		34.4
74	Kavaklı Neighborhood	110	4	Sefa ORHAN		720
75	Kavaklı Neighborhood	108	9	Oktay MADRAN	4.84	1241
76	Kavaklı Neighborhood	108	4	Ümmü ÜNLEN	5.27	699
77	Kavaklı Neighborhood	108	3	Bircan DEMİRKOL	17	3667
78	Kavaklı Neighborhood	108	1	Treasury of Finance	6.25	212

ANNEX-23 EXPROPRIATION LETTER AND PUBLIC BENEFIT DECISION

Evrak Tarih ve Sayısı: 14/03/2024-60012

BS98ATCFC6

Sayı : YPPM-KY-
Konu : Kamulaştırma İşlemleri

BOZDOĞAN BELEDİYE BAŞKANLIĞI
Yeni Mahalle Yazıkent Caddesi No:74 Bozdoğan / AYDIN
BOZDOĞAN/AYDIN

İlgi : 14.03.2024 tarih E-46925791-115.02.05-7070 sayılı yazınız.

İlgi yazınızda bahsedilen lisanssız güneş enerjisi projenizin kamulaştırma işlemleri için Harita Mühendisi Ali DELİKAN (20743757948) görevlendirildiğinden bahsedilmektedir.

Bozdoğan GES-1 ve GES-2 güneş enerji santraline yapılan enerji nakil hattının kamulaştırma işlemleri yetkilendirilen Harita Mühendisinin kamulaştırma dosyasını Şirketimize getirmesi sonrasında kamulaştırma işlemleri TEDAŞ adına tarafımızca yapılacaktır.

Gereğini bilgilerinize arz ederiz.

Saygılarımızla,

e-imzalıdır
İlker ÜNLÜ
Proje ve Kamulaştırma Müdürü

e-imzalıdır
Orhan DOĞAN
Kamulaştırma Yöneticisi

14/03/2024 Kamulaştırma Uzman Teknikeri T.KÖSE

Hizmete Özel

Evrakı Doğrulamak İçin : https://dogrula.admelektrik.com.tr/enVision.Sorgula/BelgeDogrulama.aspx?eD=BS98ATCFC6
Evrak Pin Kodu : 61952

Ayrıntılı bilgi için irtibat : Tolga KÖSE
E-posta : tolga.kose@admelektrik.com.tr

Adm Elektrik Dağıtım – Adalet Mah. Hasan Gönüllü Bul. 17/A, Merkezefendi, 20040 Denizli – Türkiye
T 0258 296 7000 **E** bilgi@admelektrik.com.tr
www.admelektrik.com.tr

Evrak Tarih ve Sayısı: 27/02/2025-106388

BS5ANBL3N9

Sayı : BTM - DTY-
Konu : Enerji Nakil Hattı Kamulaştırma Hakkında

AYDIN
BOZDOĞAN BELEDİYE BAŞKANLIĞI

İlgi : 26/02/2025 tarihli ve 9616 sayılı yazı,

İlgi yazınızda, Elektrik Piyasasında Lisanssız Elektrik Üretimine İlişkin Yönetmelik kapsamında Aydın ili, Bozdoğan ilçesi, Kavaklı Mahallesi, 0 ada 2474-2476 parsellerde(Yeni: 180 ada 1 ve 3 parsel) adresinde tesis edilmesi planlanan 955kW ve 1189 kW gücündeki lisanssız güneş enerjisine dayalı üretim tesisi için EPDK tarafından süre uzatımı verildiğinden bahsedilmektedir. Bölgede TEDAŞ tarafından 21.Madde kapsamında yapılan enerji nakil hattının direk bölgelerindeki vatandaşların muvafakatnameleri alındığı bilgisi verilmiştir. Bahse konu ATU-2024-10 sayılı imzalanan tesis sözleşmesi gereği enerji nakil hattının yapılmasında herhangi bir sakınca bulunup bulunmadığı talep edilmektedir.

Yapılacak olan söz konusu enerji nakil hattıyla ilgili tesis sözleşmesi imzalanmıştır. TEDAŞ Genel Müdürlüğü tarafından 02.12.2024 tarihli 37-1812 sayılı Kamulaştırma Kararı alındığı için hattın tesis edilmesinde herhangi bir sakınca bulunmamaktadır.

Gereğini arz ederiz.

Saygılarımızla,

e-imzalıdır
Yasemin UTAŞ
Bağlantı Talepleri Müdürü

e-imzalıdır
Muhammet KURT
Dağıtım Tesisleri Yöneticisi

Ek :
1- Tesis Sözleşmesi (ATU-2024-10)
2- Kamulaştırma Kararı

DAĞITIM :
AYDIN
BOZDOĞAN BELEDİYE BAŞKANLIĞI

26/02/2025 Dağıtım Tesisleri Mühendisi Y.C.TAŞCI

Hizmete Özel

Evrak Tarih ve Sayısı: 29/04/2024-64326

BSA80BR82J

Sayı :
Konu : BSKY 21 Tesis Sözleşmesi (T.C. Bozdoğan Belediye Başkanlığı)

Yatırım Planlama Müdürlüğü
Planlama Yöneticiliği

Elektrik Piyasası Bağlantı Sistem Kullanım Yönetmeliği'nin 21. Maddesi kapsamında Aydın İli, Bozdoğan İlçesi'nde kullanıcı T.C. Bozdoğan Belediye Başkanlığı tarafından tesis edilecek olan dağıtım tesislerinin tesis sözleşmesi imzalanmış olup yazımız ekinde gönderilmektedir.

Tesis Sözleşmesinin Damga Vergisi; Kullanıcı Resmi Kurum olduğundan dolayı Şirketimizce ödenecektir.

Tesis sözleşmesi kapsamında yapılacak elektrik dağıtım tesislerinin kontrolü için Şirketimizden Yapım İşleri Mühendisi Serhat Sarı görevlendirilmiştir. Çalışmalara başlanmadan önce tesis yapımında kullanılacak malzemelerin onayının alınması için Malzeme ve Kabul Yöneticiliği ile görüşülmesi akabinde Tesis Kontrol Görevlisi ile irtibata geçilmesi, gerekli kontrol ve koordinasyonun sağlanması hususunda;

Gereğini bilgilerinize rica ederiz.

Saygılarımızla,

e-imzalıdır
İlker ÜNLÜ
Yatırım Planlama Müdürü V.

e-imzalıdır
Mehmet KILIÇOĞLU
Bağlantı Görüş Yöneticisi

Ek :
Tesis Sözleşmesi ve ekleri

DAĞITIM :
Gereği:
Yapım İşleri Müdürlüğü
Aydın Yapım İşleri Yöneticiliği
Planlama ve Teknoloji Direktörlüğü
Proje ve Kamulaştırma Müdürlüğü
T.C. Bozdoğan Belediye Başkanlığı (Yeni Mah. Yazıkent Cad. No:86 Bozdoğan /AYDIN)

Bilgi:
Operasyon Direktörlüğü
Aydın Bölge Müdürlüğü
Aydın Bölge Müdürlüğü
Nazilli-Kuyucak İşletme Yöneticiliği
Operasyon Direktörlüğü
Yapım İşleri Müdürlüğü
Yatırım Planlama Müdürlüğü
Planlama Yöneticiliği

Hizmete Özel

BSKY 21 TESİS SÖZLEŞMESİ

SAYI: ATV-2024-10

MADDE 1- TARAFLAR

Bu sözleşme ADM Elektrik Dağıtım A.Ş. (Bundan böyle kısaca DAĞITIM ŞİRKETİ olarak anılacaktır.) ile **Bozdoğan Belediye Başkanlığı** (Bundan böyle kısaca KULLANICI olarak anılacaktır.) arasında imzalanmıştır.

Dağıtım Şirketi Adresi	: Adalet Mahallesi Hasan Gönüllü Bulvarı No:17/A Denizli
Telefon No	: 0 258 296 70 00
Faks No	: 0 258 296 72 20
Elektronik Posta Adresi	: bilgi@admelektrik.com.tr
Vergi Dairesi	: Pamukkale V.D.
Vergi No	: 1090046353
Mersis No	: 0109004635300012

KULLANICI'nın Adresi	: Yeni Mahalle Yazıkent Caddesi No:86 Bozdoğan/Aydın
Telefon No	: 0256 414 10 08
Faks No	: 0256 414 33 11
Elektronik Posta Adresi (Bildirime Esas)	: bilgi@bozdogan.bel.tr
Vergi Dairesi	: Bozdoğan Vergi Dairesi
Vergi No	: 18330052178
IBAN No	: TR50 0001 2009 5390 0007 0000 09
Mersis No	: --

1.1 Taraflar, Sözleşme'de belirtilen adreslerini tebligat adresi olarak kabul etmişlerdir. Adres değişiklikleri usulüne uygun şekilde karşı tarafa tebliğ edilecektir. Taraflardan birisinin; (i) taşınmasına rağmen diğer Taraf'a yeni adresini bildirmemesi, (ii) Sözleşme adresinde bulunmaması veya (iii) Sözleşme adresinde bulunmasına rağmen bildirimi almaması gibi hallerde, gönderilen bildirim muhatabına tebliğ edilmiş bildirimin hüküm ve sonuçlarını doğurur. Muhatap, bu bildirimin kendisine ulaşmadığı gerekçesi ile hak iddiasında bulunamaz.

1.2 Taraflar, iadeli taahhütlü posta, güvenli elektronik imza kullanılarak kayıtlı elektronik posta sistemi, imza karşılığı elden veya elektronik posta ile bildirimde bulunabilirler. Sözleşme'de yazılı elektronik posta adresine veya Sözleşme'de yazılı KEP adresine gönderilen bildirim, ilgili Taraf'ın elektronik postasına ulaştığı tarihi izleyen beşinci gün yapılmış sayılır. Taraflar, iadeli taahhütlü posta, imza karşılığı elden veya elektronik posta ile bildirimde bulunabilirler. Sözleşme'nin feshi, rücu ya da temerrüde yönelik ihbar ya da ihtarların geçerli olabilmesi için noter vasıtasıyla iadeli taahhütlü posta ile, KEP adresine gönderilecek e-posta ile veya telgraf ile yapılması zorunludur..

MADDE 2- KAPSAM

Bu Sözleşme, 6446 sayılı Elektrik Piyasası Kanunu ile Elektrik Piyasası Bağlantı ve Sistem Kullanım Yönetmeliği ve ilgili diğer mevzuat kapsamında, elektrik dağıtım sistemi varlıklarının Kullanıcı tarafından tesis edilmesi veya ettirilmesine ilişkin hüküm ve şartları düzenlemek amacıyla imzalanmıştır.

Kullanıcı, ilgili mevzuat uyarınca tesislerinin, dağıtım sistemine bağlanabilmesi için gerekli olan yatırımı ilgili mevzuat kapsamındaki teknik standartları sağlayarak bizzat tesis etme/yapma/yaptırma yolunu tercih etmiştir.

Aksi açıkça anlaşılmadıkça Sözleşme'de kullanılan kavramlar, 6446 sayılı Kanun ve ilgili mevzuatta yer alan anlamları ifade ederler. Taraflar Sözleşme kapsamının belirlenmesi ve uygulamada en son mevzuat hükümlerine tabidir ve tabi olacaktır.

MADDE 3- SÖZLEŞMENİN KONUSU

Elektrik dağıtım sistemine bağlantı yapmak isteyen fakat hali hazırda yeterli kapasite olmaması, genişleme yatırımı veya yeni yatırım yapılması gerekliliği sebebiyle **14.02.2021** tarih **5228** sayılı ve **14.02.2021** tarih **5231** sayılı Bağlantı Görüşünde belirtilen (bağlantı hattı hariç) kurulması gerekli dağıtım varlıklarının; Bağlantı ve Sistem Kullanım Yönetmeliği 21. Maddesi kapsamında, teknik standartlar sağlanması koşulu ile sözleşme ve eklerine uygun olacak şekilde KULLANICI tarafından projesinin hazırlatılması, onaylatılması ve anahtar teslimi suretiyle tesis edilmesi/yapılması/yaptırılması işidir.

Kurulması Gerekli Dağıtım Tesisleri: TEDAŞ tarafından onaylanan 01.06.2021 tarih ve **21.PRJ.09.0043** sayılı ilgili projeye istinaden tesis edilmesi gerekli dağıtım varlıkları.

MADDE 4- SÖZLEŞME BEDELİ

Sözleşmede belirtilen işlerin bedeli, projesine dayanılarak EPDK tarafından yayımlanan Kullanıcı Tarafından Dağıtım Varlıklarının Tesis Edilme Metodolojisi'ne **(2024 Metodoloji)** göre yapılan hesaplamalar sonucu bulunan **4.264.879,74 TL (DörtMilyonİkiYüAltmışDörtBinSekizYüzYetmişDokuzTLYetmişDörtKuruş)** dir. Bu bedel, ön projeye göre belirlenen bedel olup nihai ve geri ödemeye esas Sözleşme bedeli, işin tamamlanması sonrasında yapılacak kesin hesap ile belirlenecektir.

MADDE 5- İŞİN SÜRESİ

Sözleşme konusu iş kapsamındaki tüm işler, **31/12/2024** tarihine kadar tamamlanacaktır. Bu madde kapsamında işin tamamlanma tarihi olarak geçici kabul tarihine itibar olunur.

MADDE 6- ÖDEMELER

KULLANICI, Sözleşmeye konu tesislerin ilgili mevzuatta belirtilen yöntemlerle hesaplanacak bölümünü, yine ilgili mevzuatta belirlenen usullere göre geri alacağını bilmekte ve fazla talebi olmadığını ve olmayacağını beyan kabul ve taahhüt etmektedir.

Sözleşmeye konu tesislerin, KULLANICI tarafından inşa edilmesini ve geçici kabullerinin yapılmasını müteakip; söz konusu tesislerde yapılan işler, KULLANICI ve DAĞITIM ŞİRKETİ ile birlikte tespit edilerek **Kesin Hesaba Esas Durum Tespit Tutanakları** düzenlenecektir. Mevzuat çerçevesinde yapılacak geri ödemeye esas kesin hesapta;

- EPDK tarafından yayımlanan Metodoloji dikkate alınarak hesaplanan maliyet bedeli,
- Söz konusu dağıtım şebekesinin bulunduğu yerlere ilişkin kullanım haklarının, geri ödemenin yapılacağı yıla kadar TEDAŞ adına temin edilmesine ilişkin (kamulaştırma, irtifak gibi) masraflar,

dikkate alınacaktır.

Söz konusu dağıtım tesisinin bulunduğu yerlere ilişkin kamu yararı, irtifak hakkı tesisi veya devir kararının veya orman kesin ve/veya ön izin belgesi, geri ödemenin yapılacağı yıla kadar alınmamış olması halinde ödeme yapılmaz. Geri ödeme, ilgili mevzuatta açıklanan çerçevede gerçekleştirilir.

vb. bilgileri DAĞITIM ŞİRKETİ tarafından belirlenen katman-kolon yapısında ve ülke koordinat sistemine uygun olarak DAĞITIM ŞİRKETİ'nin belirlediği formatta ara hakedişlerle birlikte ve bildirilen dönemlerde DAĞITIM ŞİRKETİ'ne teslim edecektir. Şebeke elemanlarının sahada numaralandırılması ile ilgili tüm giderler KULLANICI tarafından karşılanacaktır.

8.9 Tesis yapımı nedeniyle ihtiyaç olabilecek enerji kesinti planı, işin yapımı öncesinde KULLANICI tarafından hazırlanarak DAĞITIM ŞİRKETİ'ne sunulacaktır.

MADDE 9- KURULACAK DAĞITIM TESİSLERİNİN ÜZERİNDE BULUNDUĞU TAŞINMAZLAR İLE İLGİLİ KULLANIM HAKLARININ TEMİNİ (KAMULAŞTIRMA, İRTİFAK, KİRALAMA, İZİN VB.)

Sözleşme'de yer alan hükümlerdeki hususların yerine getirilmesi için gerekli tüm başvuru ve işlemleri ve kurulacak dağıtım tesislerinin üzerinde bulunduğu taşınmazlar ile ilgili kullanım haklarının temini (kamulaştırma, irtifak, kiralama, izin vb.) işlemleri, KULLANICI tarafından yapılacak ve DAĞITIM ŞİRKETİ'ne bilgi verilecektir. Bu kapsamda SÖZLEŞME ekinde bir taahhütname DAĞITIM ŞİRKETİ'ne verilecektir.

9.1 Kurulacak Dağıtım Tesislerinin KULLANICI Mülkiyetindeki Arazinin İçinde Kalan Kısımları İçin:
Dağıtım şebekesi yerlerinin (direk, trafo merkezi vb.) mülkiyeti ile hattın ve giriş çıkış güzergâhının; irtifak hakları, taşınmaz mallar üzerindeki mülkiyete ilişkin takyidat ve kısıtlamalardan arındırılmış olarak tapuda TEDAŞ lehine tescil edilecektir. Bu işlem için, KULLANICI tarafından mülkiyet devrine ve/veya irtifak hakkı tesisine rıza-i ferağ verilecektir.

9.2 Kurulacak Dağıtım Tesislerinin KULLANICI Mülkiyetindeki Arazinin Dışında Kalan Kısımları İçin Yapılacak İşlemler:

9.2.1 İmar planı dışında kalan kısımlar:

a) Kurulacak tesislerin, yerinin/güzergâhının, isabet ettiği taşınmazların, kamulaştırma işlemlerine esas olmak üzere; İmar planı içinde olup olmadığı KULLANICI tarafından tespit edilecektir. Tesisin imar planı içinde olmaması halinde bu husus yetkili Kurum/Kuruluşlardan belgelendirilmek suretiyle DAĞITIM ŞİRKETİ'ne yazılı olarak bildirilecektir. Bildirimin gerçeği yansıtmaması durumunda doğabilecek tüm hukuki ve mali yükümlülükler ve sorumluluklar KULLANICI'ya ait olacaktır.

b) Kurulacak tesislerin, yerinin/güzergâhının imar planı dışında olduğuna ilişkin 9.2.1.a maddesinde belirtilen belge KULLANICI tarafından DAĞITIM ŞİRKETİ'ne ibraz edildikten sonra, TEDAŞ standartları ve mevzuata uygun olarak KULLANICI tarafından hazırlanan/hazırlatılacak kamulaştırma harita ve planları DAĞITIM ŞİRKETİ'nin kontrolüne sunulacaktır. DAĞITIM ŞİRKETİ'nin onayından sonra sırasıyla; TEDAŞ ve ilgili Kadastro Müdürlükleri'nin onayı alınacaktır. Onaylanan söz konusu kamulaştırma harita ve planları basılı ve elektronik ortamda DAĞITIM ŞİRKETİ'ne teslim edilecektir. Söz konusu dokümanlar ile ilgili kurum veya kuruluşlara DAĞITIM ŞİRKETİ tarafından kamu yararı kararı/kamulaştırma kararı alınması için başvuruda bulunulacak olup, süreçler KULLANICI tarafından takip edilecektir.

c) Kurulacak tesislerin, yerinin/güzergâhının imar planı dışında olan kısımlarının tarım dışı amaca tahsisini sağlamak ve/veya mera vasıf değişikliği sağlamak söz konusu olduğunda; Kamu Yararı Kararının alınmasını müteakip KULLANICI tarafından EPDK/TEDAŞ'tan konu ile ilgili görüş yazısı alınarak ilgili İl Tarım, Gıda ve Hayvancılık Müdürlüğü'ne başvurulacak ve gerekli işlemlerin takibi yapılarak tarım dışı amaca tahsis ve/veya mera vasıf değişikliğine ilişkin belgenin EPDK/TEDAŞ'a

iletilmesi sağlanacaktır. Tesis yeri/güzergâhı için diğer kamu kurum ve kuruluşlarından alınması gereken izin ve görüşler de aynı yöntemle temin edilecektir.

d) KULLANICI, kurulacak tesislerin isabet ettiği Maliye hazinesi ve Devletin hüküm ve tasarrufu altındaki taşınmazlar için EPDK/TEDAŞ'tan ilgili kuruluşlara kullanım izni için başvuru yapılması talebinde bulunacaktır. Uygun görülen talepler karşılığında EPDK/TEDAŞ tarafından Maliye Bakanlığı'na (Defterdarlıklara) iletilen taleplere ilişkin işlemler, KULLANICI tarafından takip edilecektir.

9.2.2 İmar planı içerisinde kalan kısımlar:

a) KULLANICI, tesis yerinin/güzergâhının yürürlükteki imar planı dâhilinde kalan kısımları için; ilgili Belediyeden veya yetkili Kurum/Kuruluşlardan onaylı imar planı paftalarını temin edecektir. KULLANICI, bu tesislerin her ölçekteki imar planının tadilatı teklifini DAĞITIM ŞİRKETİ'nin yazısıyla birlikte onaylatmak üzere ilgili Kuruma sunacaktır.

b) KULLANICI, onaylanan ve kesinleşen imar planını ve buna esas kararı (Belediye Meclis Kararı ve bunlara ilişkin kesinleşme belgelerini) alarak, TEDAŞ standartları ve mevzuata uygun şekilde, KULLANICI tarafından hazırlanan/hazırlatılan kamulaştırma harita ve planları ile DAĞITIM ŞİRKETİ'nin kontrolüne sunacaktır. Söz konusu dokümanlar, DAĞITIM ŞİRKETİ'nin kontrolünden sonra TEDAŞ'a onay için gönderilecektir. TEDAŞ onayından sonra KULLANICI tarafından ilgili Kadastro Müdürlükleri'ne kadastro onayı yaptırılacaktır. Onaylanan kamulaştırma harita ve planları basılı ve elektronik ortamda DAĞITIM ŞİRKETİ'ne teslim edilecektir. Söz konusu dokümanlar ile ilgili kurum veya kuruluşlara DAĞITIM ŞİRKETİ tarafından kamu yararı kararı/kamulaştırma kararı alınması için başvuruda bulunulacak olup, süreçler KULLANICI tarafından takip edilecektir.

KULLANICI tarafından hazırlanan/hazırlattırılan kamulaştırma planlarına göre tesis yerine/güzergâhına isabet eden taşınmaz malların (ipotek, haciz, şerh vb.) tüm bilgilerini içeren ilgili Tapu Sicil Müdürlüğünce onaylı tapu kayıtlarının çıkarılması, maliklerin adreslerinin tespiti, malikleri ölü olanların mirasçılarını gösterir nüfus kayıtlarının çıkartılması ve adreslerinin tespiti KULLANICI tarafından ilgili mevzuatta belirtilen esaslara göre yapılacak ve DAĞITIM ŞİRKETİ'nin vereceği formata göre elektronik ortamda DAĞITIM ŞİRKETİ'ne yazıyla teslim edilecektir. Verilecek bu bilgi ve belgelerle ilgili olarak çıkabilecek tüm hata ve eksiklikler tüm masraflar KULLANICI'ya ait olmak üzere KULLANICI tarafından giderilecektir.

Tesis yerine/güzergâhına isabet eden taşınmazların tahmini bedellerinin tespitine ilişkin olarak, 2942 sayılı Kamulaştırma Kanunu'nun 7, 8 ve 11 ve ilgili maddeleri doğrultusunda ihtiyaç duyulan bilgi ve belgeler KULLANICI tarafından temin edilerek DAĞITIM ŞİRKETİ'ne teslim edilecektir.

Taşınmaz malikleri ile yapılacak uzlaşma toplantıları için gönderilecek pazarlığa çağrı evraklarının hazırlanması ve tebligatların yapılması, toplantıların gerçekleştirilmesi, anlaşma/anlaşmazlık tutanaklarının hazırlanması ile ilgili tüm çalışmalar KULLANICI tarafından yürütülecektir. Toplantı sonucunda, anlaşma sağlanan taşınmazların tapu tescil işlemi TEDAŞ adına yapılacaktır.

Toplantı sonucunda, anlaşma sağlanamayan taşınmaz maliklerine açılacak bedel tespiti ve tescil davalarının hazırlığı (gazete ilanı vb. eksik evrakların tamamlanması) KULLANICI tarafından yapılarak DAĞITIM ŞİRKETİ'ne teslim edilecektir. Davaların takibi KULLANICI tarafından sağlanacaktır.

9.2.3 Ormanlık alanlara isabet eden kısımlar;

Tesis yerinin/güzergâhının orman vasıflı yerlere rastlayan kısımları için Orman Bölge Müdürlüğü'nden alınması gereken izin-irtifak hakkına yönelik olarak yapılacak müracaat için ihtiyaç duyulan tüm bilgi ve dokümanlar, KULLANICI tarafından temin edilecektir. KULLANICI, Orman'a yapılacak müracaata ilişkin söz konusu bilgi ve belgeleri DAĞITIM ŞİRKETİ'ne teslim edecek ve müracaat DAĞITIM ŞİRKETİ tarafından gerçekleştirilecektir. Müracaat sonrasında süreç tamamlanana kadar yapılması gerekli işlemlerin takibi KULLANICI tarafından gerçekleştirilecektir. Orman izinleri TEDAŞ adına alınacaktır. KULLANICI'nın bu maddeye aykırı işlem yapması durumunda, ödenen bedeller geri ödemeye esas bedel hesabında dikkate alınmayacaktır. DAĞITIM ŞİRKETİ müracaatla ilgili hiçbir eksiklik, vb. den sorumlu değildir.

Burada zikredilenlerin dışında, kurulacak tesisin yerine/güzergâhına isabet eden taşınmazlar için alınması gereken söz konusu olacak diğer bütün izin, ruhsat, kiralama vb. işlemler DAĞITIM ŞİRKETİ'nin onayından sonra KULLANICI tarafından yerine getirilecektir.

Tesisin yapımı sırasında gerekmesi halinde; Belediyeler, Karayolları, DSİ, AYKOME, Koruma Kurulu, TCDD vb. kurum ve kuruluşlardan alınması gereken bütün yasal izinler, KULLANICI tarafından alınacaktır. Aksi durumda tesisin izinsiz yapımından dolayı oluşacak hukuki ve cezai sonuçlardan KULLANICI sorumludur.

Kurulacak dağıtım şebekeleriyle birlikte, bazı tesislerin sökülmesi ya da boşa çıkması söz konusu olduğunda ve bu tesislerin üzerinde bulunduğu taşınmazların mülkiyet haklarının TEDAŞ'ta olması halinde bu taşınmazların mülkiyet haklarıyla ilgili gerekli bildirimlerin yapılması, izinlerin alınması, terkin vs. bütün işlemlerin ifası KULLANICI sorumluluğundadır. Bu kapsamda söz konusu olacak bütün ödemeler ve bedeller, KULLANICI tarafından karşılanacak olup geri ödemeye konu edilmeyecektir.

MADDE 10- GERİ ÖDEMEYE DÂHİL EDİLECEK MASRAFLAR

Bu SÖZLEŞME kapsamında ifası söz konusu olan bütün işlemlerin masrafları, KULLANICI tarafından karşılanacak olup belgelendirilmesi ve DAĞITIM ŞİRKETİ tarafından kabul edilmesi kaydıyla geri ödemeye konu edilecek masraflar şunlardır:

1. Madde 3'teki sözleşme konusu işlerin (kurulan dağıtım şebekelerinin) EPDK tarafından yayımlanan Metodolojiye göre belirlenen geri ödeme tutarı (Bu bedel işin tamamlanması sonrasında yapılacak kesin hesap ile belirlenecektir.),
2. Taşınmaz maliklerine ödenen kamulaştırma bedelleri ile resmi kurum ya da kuruluşlar nezdinde ortaya çıkan kamulaştırma masrafları (işlemler kapsamında ödenen vergi, resim, harç vb. giderler, ilan giderleri, pazarlığa çağrıya ilişkin tebligat giderleri, kamulaştırmaya ilişkin açılacak davalar sebebiyle ortaya çıkan mahkeme masrafları, faiz vb. resmi giderler),
3. İlgili mevzuat uyarınca TEDAŞ adına alınan orman geçiş izinlerine ilişkin bedeller (ağaçlandırma bedeli, arazi izin bedeli, Orköy bedeli, erozyon bedeli vb.),
4. Karayolları geçişi, kazı izinleri gibi diğer zorunlu resmi giderler.

Yukarıda sayılanlar ve ilgili mevzuattaki hükümler doğrultusunda geri ödemeye esas alınacağı açıkça belirtilen giderler dışında kalan diğer masraf ve harcamalar, geri ödemeye esas bedelin hesaplanmasında dikkate alınmayacaktır.

Herhangi bir masrafın geri ödemeye esas bedelin hesaplanmasında dikkate alınıp alınmayacağı hususunda tereddüt oluştuğunda DAĞITIM ŞİRKETİ'nin kararı esas olacaktır.

MADDE 11- TEMİNAT

Sözleşme kapsamında teminat bedeli **alınmayacaktır.**

Sözleşme kapsamında teminat bedeli alınması halinde;
KULLANICI, Sözleşmenin imzalanması ile birlikte Sözleşme konusu iş nedeniyle doğabilecek bütün sorumluluk ve taahhütlerini yerine getirmesinin teminat ve garantisi olarak ve kamulaştırma işlemlerine ilişkin ön görülen bedellerin teminat ve garantisi olarak SÖZLEŞME bedelinin %10'u oranındaki tutarı teminat olarak DAĞITIM ŞİRKETİ 'ne verecektir. Teminat alınmadan işe başlanılmayacaktır.

Teminatın kesin mektup olarak ibraz edildiği durumlarda süresi 5 (beş) yıldan az olamaz. KULLANICI 'ya henüz iade edilmeyen süreli teminatların süresinin bitiminden bir hafta önce ayrıca bir ihtara lüzum kalmadan teminat Yüklenici tarafından en az 1 yıl süre ile uzatılacaktır. Teminatın süre bitiminden 1 hafta önce yenilenmemesi veya süresinin uzatılmaması, KULLANICI'ya ayrıca bir ihtara gerek kalmadan teminatın nakde çevrilme nedenidir.

DAĞITIM ŞİRKETİ, KULLANICI'dan ilave teminat talep edebilir.

Teminatın iadesi için;

a) Taahhüdün, Sözleşme ve Eklerine uygun ve eksiksiz olarak yerine getirilmiş, tesislerin kabulleri yapılarak devreye alınmış olması,

b) KULLANICI'nın DAĞITIM ŞİRKETİ'ne mevcut veya muhtemel herhangi bir borcunun olmaması, var ise DAĞITIM ŞİRKETİ ve üçüncü kişilerin uğradığı her türlü zarar ve ziyan ile bu zarar ve ziyandan kaynaklı hukuki sürece ilişkin her türlü giderin karşılanmış olması,

c) Dağıtım şebekesinin bulunduğu yerlere ilişkin kullanım haklarının TEDAŞ adına temin edilmiş (Kamulaştırma ve tescil işlemlerinin tamamlanmış) olması,

gerekmektedir.

Teminat haczedilmez, teminata tedbir ve bloke konulamaz. Konulması halinde Yüklenici haciz, tedbir veya blokeyi üç(3) gün içinde kaldırmakla veya DAĞITIM ŞİRKETİ tarafından belirlenen şartlarda yeni teminat sunmakla yükümlüdür.

MADDE 12- SÖZLEŞMENİN TADİL VE FESHİ
Mevzuat ve/veya EPDK, Enerji Bakanlığı uygulama değişiklikleri DAĞITIM ŞİRKETİ'nin uygun bulması halinde Sözleşme'ye yansıyacaktır.

12.1 Bu sözleşmenin imzalanmasından sonra KULLANICI'nın tesisleri yapmaktan vazgeçerek sözleşmeyi feshetmesi durumunda KULLANICI, DAĞITIM ŞİRKETİ'nin bu nedenle uğradığı ve/veya uğraması muhtemel olan tüm zarar/ziyanı karşılayacaktır.

12.2 Sözleşme konusu iş, süresi içinde tamamlanmadığı ya da tamamlanamayacağının anlaşılması halinde Sözleşme DAĞITIM ŞİRKETİ tarafından feshedilebilir. Fesih durumunda teminat irat kaydedilebilir.

12.3 Sözleşme imzalandıktan sonra, KULLANICI'nın Sözleşme ve mevzuat hükümlerine aykırı davrandığının tespit edilmesi halinde, KULLANICI'ya aykırılıklar bildirilerek, gidermesi için azami otuz(30) gün süre verilir. Bu süre içerisinde aykırılıklar giderilmediği takdirde, Sözleşme DAĞITIM ŞİRKETİ tarafından feshedilerek teminat irat kaydedilir.

12.4 Bu sözleşmenin fesih tarihine kadar DAĞITIM ŞİRKETİ tarafından anılan tesislere ilişkin olarak yapılmış olan bir harcama varsa, bütün masraflar KULLANICI tarafından DAĞITIM ŞİRKETİ'nin yazılı bildiriminden itibaren onbeş(15) gün içerisinde, nakden DAĞITIM ŞİRKETİ'ne ödenecektir. KULLANICI bu bedeli belirtilen süre içinde ödemez ise, teminat nakde çevrilerek tahsil edilecektir. Teminatın yetersiz kalması durumunda bakiye miktar KULLANICI'dan ayrıca tahsil edilecektir.

MADDE 13- KABULLER

13.1 Anılan tesislerin tamamlanmasından sonra KULLANICI, DAĞITIM ŞİRKETİ'ne tesisin kabule hazır olduğunu yazılı olarak bildirir. Yazılı bildirim üzerine DAĞITIM ŞİRKETİ, tesisi kontrol eder. Tesis kabule uygun ise Geçici Kabule Hazır Tutanağı DAĞITIM ŞİRKETİ tarafından düzenlenerek KULLANICI'ya verilir. KULLANICI tarafından kabule yetkili Kurumdan kabulün yapılması istenir.

13.2 Kabuller sırasında ilgili mevzuat ve şartnameler ile onaylı projesine göre saptanan eksiklikler ve aksaklıklar KULLANICI tarafından giderilecektir.

13.3 Geçici kabul tutanağında belirtilen eksiklikler tutanakta belirtilen süre içerisinde, geçici kabulde gözden kaçan ve kabulden sonra ortaya çıkacak eksikler kesin kabule kadar KULLANICI tarafından giderilecektir. Geçici kabulün karşılıklı olarak imzalanmasıyla birlikte Devir Alınan tesislerin garanti süresi başlayacak olup nihai projeler ve DAĞITIM ŞİRKETİ'nin istediği formatta, koordinatlı olarak elektronik ortamda hazırlanan röper krokileri yazılı ve CD olarak DAĞITIM ŞİRKETİ'ne teslim edilecektir. Garanti süresi bir(1) yıl olup, bu sürenin sonunda kesin kabul yapılacaktır.

13.4 Garanti süresi içerisinde tesiste oluşabilecek her türlü hata, ayıp, kusur eksik iş vb. eksiklikler KULLANICI tarafından giderilecektir. Giderilmediği takdirde bu eksiklik DAĞITIM ŞİRKETİ tarafından giderilerek, KULLANICI'nın teminatından mahsup edilecektir. Garanti süresi geçmiş olsa dahi tesiste Sözleşme'ye aykırı olarak kullanıldığı belirlenen malzemelerle ilgili ayıpları giderme yükümlülüğü KULLANICI'ya aittir.

MADDE 14- DİĞER MASRAFLAR

Bu sözleşmeden doğan damga vergisi ile diğer vergi, resim, harç vb. masraflar KULLANICI tarafından karşılanacaktır. (resmi kurumlar hariç)

MADDE 15- UYGULANACAK CEZALAR

15.1 Sözleşme konusu dağıtım şebekesinin yapım işinin tamamlanmasının, Sözleşmenin Süresi maddesinde belirlenen tarihi aşması halinde gecikilen her gün için ayrı olmak üzere sözleşme bedelinin %0,1'i (BİNDE BİR) oranında ceza uygulanır.

15.2 Madde 9 kapsamında KULLANICI tarafından yapılması gereken kamulaştırma işlemlerinden, KULLANICI tarafından yapılmayan işlemler olması durumunda DAĞITIM ŞİRKETİ, KULLANICI'ya bu işlemlerin tamamlanması için son tarihi belirten bir yazı ile bildirimde bulunur. Söz konusu

işlemlerin KULLANICI tarafından yapılmaması ve bu yazıda belirtilen tarihten sonra gecikme yaşanması durumunda her gün için ayrı olmak üzere sözleşme bedelinin %0,1'i (BİNDE BİR) oranında ceza uygulanır.

15.3 Tesislerin yapılması esnasında KULLANICI çalışanlarının, yüklenicilerinin, yükleniciye bağlı çalışanlarının ve üçüncü kişilerin uğrayacağı her türlü zarar ve ziyan ile bu zarar ve ziyandan kaynaklı hukuki sürece ilişkin her türlü gider KULLANICI tarafından karşılanması esas olup karşılanmaması halinde DAĞITIM ŞİRKETİ, KULLANICI'ya bu zarar ve ziyanın karşılanması için son tarihi belirten bir yazı ile bildirimde bulunur. Bu yazıda belirtilen tarihten sonra gecikme yaşanması durumunda her gün için ayrı olmak üzere sözleşme bedelinin %0,1'i (BİNDE BİR) oranında ceza uygulanır.

MADDE 16- ANLAŞMAZLIKLAR

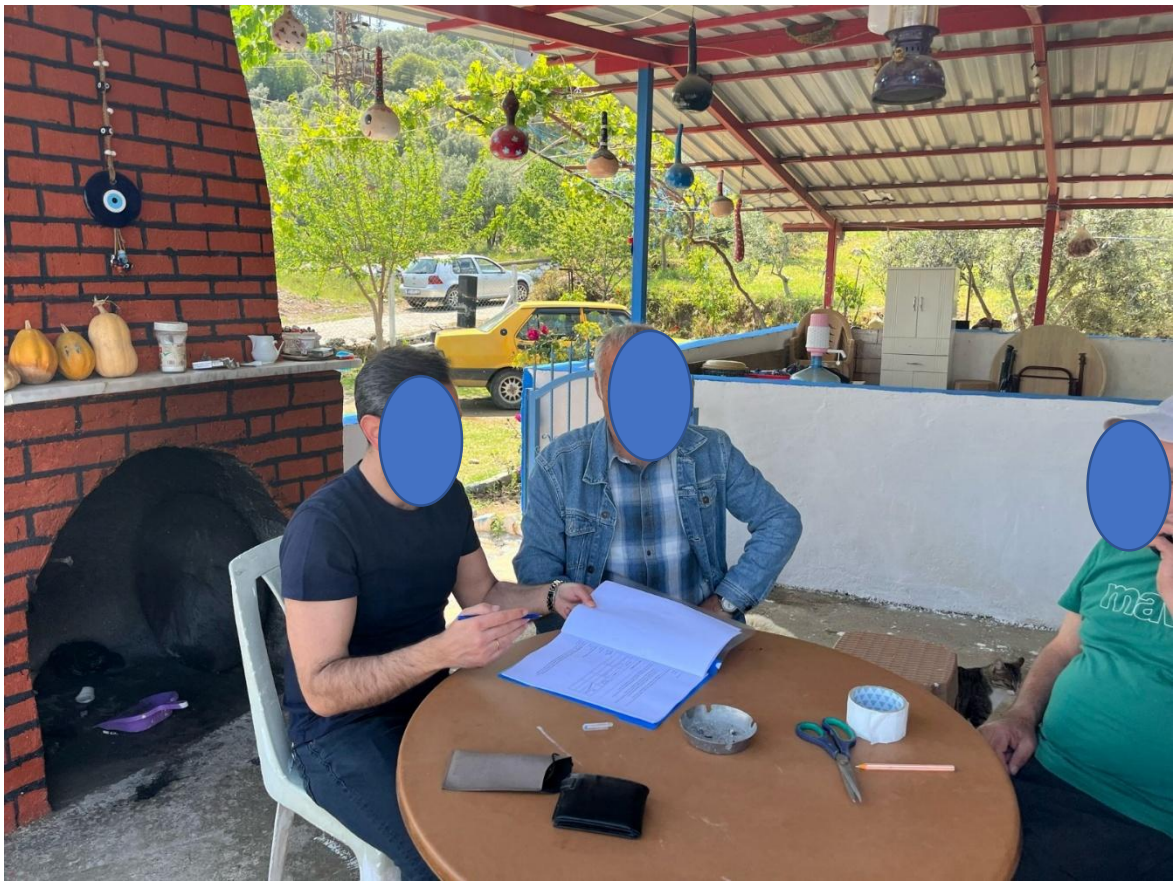
16.1 Taraflar herhangi bir anlaşmazlık durumunda anlaşmanın öncelikle karşılıklı görüşme yolu ile çözümlenmesi yöntemini kabul etmişlerdir. Taraflar, uyuşmazlığı ortak belirleyecekleri tarafsız bir arabulucuya götürebilirler. Anlaşmaya varılması halinde bir belge düzenlenir ve bu belge yetki ve görev kurallarına göre belirlenecek olan hukuk mahkemesine ibraz edilerek, taraflarca imzalanır ve bağlayıcılık kazanır.

16.2 KULLANICI, Sözleşmeden dolayı Taraflar arasında doğabilecek tüm uyuşmazlıklarda aksi kanıtlanmadıkça DAĞITIM ŞİRKETİ'nin defter, kayıt ve belgeleri ile diğer evrak ve belgelerin kesin delil olarak kullanılacağını beyan ve kabul eder.

16.3 Bu Sözleşme ve eklerinin uygulanmasından doğabilecek her türlü anlaşmazlığın çözümünde, DAĞITIM ŞİRKETİ'nin merkezinin bulunduğu yerdeki mahkeme ve icra daireleri yetkilidir.

ANNEX-24 SUB-PROJECT SITE VISIT IMAGES


54C
8 vites




mavi


TotalEnergies
excellium

ANNEX-25 EXTENSION OF TIME LETTER

Sayı :
Konu : Süre Uzatım Taleplerine İlişkin Süre Uzatım Talepleri Hakkında

AYDIN
BOZDOĞAN BELEDİYE BAŞKANLIĞI
Yeni Mahalle Yazıkent Caddesi No:74 Bozdoğan / AYDIN
BOZDOĞAN/AYDIN

İlgi : 11/12/2024 tarihli ve 1013969 sayılı yazı

İlgi yazı ve ekinde kısaca Bozdoğan Belediyesine ait Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesi, 180 ada 1-3 parsel adresinde kurulması planlanan 955 kW gücündeki ve Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesi, 180 ada 3 parsel adresinde kurulması planlanan 1189 kW gücündeki güneş enerjisine dayalı elektrik üretim tesisleri ile ilgili geçici kabul süre uzatım talebine ilişkin olarak;

- *"Söz konusu taleplerin Elektrik Piyasasında Lisanssız Elektrik Üretim Yönetmeliğinin 30 uncu maddesinin yedinci fıkrası kapsamında "Kurul tarafından uygun bulunan haller" kapsamında değerlendirilmesine,*
- *Bozdoğan Belediye Başkanlığı ile ADM Elektrik Dağıtım A.Ş. arasında imzalanan Bağlantı Anlaşmalarına 31/12/2026 tarihine kadar süre verilmesine, karar verilmiştir."* denilmektedir.

Bu kapsamda söz konusu tesislerin geçici kabulünün tamamlanması için son tarih 31/12/2026'dir.

Gereğini bilgilerinize rica ederiz.

Saygılarımızla,

e-imzalıdır
Emrah KALKAN
Planlama ve Teknoloji Direktörü

e-imzalıdır
Yasemin UTAŞ
Bağlantı Talepleri Müdürü

Ek :
1-Kurul Kararları

Hizmete Özel

Evrakı Doğrulamak İçin : https://dogrula.admelektrik.com.tr/enVision.Sorgula/BelgeDogrulama.aspx?eD=BSVA3EKFZ9 Ayrıntılı bilgi için irtibat : Murat BOZKAŞ
Evrak Pin Kodu : 68772 E-posta : murat.bozkas@admelektrik.com.tr
Adm Elektrik Dağıtım – Adalet Mah. Hasan Gönüllü Bul. 17/A, Merkezefendi, 20040 Denizli – Türkiye
T 0258 296 7000
www.admelektrik.com.tr

T.C.
ENERJİ PİYASASI DÜZENLEME
KURULU

KARAR ÖRNEĞİ

TOPLANTI TARİHİ : 05.12.2024
KARAR SIRA NO : 13047-30

Elektrik Piyasası Dairesi Başkanlığının 03.12.2024 tarihli ve E-22131205-110.06.02-1009950 sayılı Başkanlık Makamına müzekkeresi çerçevesinde; **Adm Elektrik Dağıtım A.Ş.**'nin 29/04/2024 Kurum evrak tarihli yazısıyla Kuruma iletilen, **Bozdoğan Belediye Başkanlığı**'nın, Aydın ili, Bozdoğan ilçesi, Kavaklı Mahallesi, 0 Ada, 2476 Parsel (Yeni: 180 ada, 3 parsel) adresinde kurulması planlanan 1189 kW gücündeki lisanssız güneş enerjisine dayalı üretim tesisi ile ilgili yaptığı süre uzatım talebine ilişkin olarak;

1) Söz konusu talebin Elektrik Piyasasında Lisanssız Elektrik Üretim Yönetmeliğinin 30 uncu maddesinin yedinci fıkrası hükmü kapsamında "*Kurul tarafından uygun bulunan haller*" kapsamında değerlendirilmesine,

2) **Bozdoğan Belediye Başkanlığı** ile **Adm Elektrik Dağıtım A.Ş.** arasında imzalanan Bağlantı Anlaşmasına 31/12/2026 tarihine kadar süre verilmesine,

karar verilmiştir.

Mustafa YILMAZ
Başkan

T.C.
ENERJİ PİYASASI DÜZENLEME
KURULU

KARAR ÖRNEĞİ

TOPLANTI TARİHİ : 05.12.2024
KARAR SIRA NO : 13047-29

Elektrik Piyasası Dairesi Başkanlığının 03.12.2024 tarihli ve E-22131205-110.06.02-1009950 sayılı Başkanlık Makamına müzekkeresi çerçevesinde; **Adm Elektrik Dağıtım A.Ş.**'nin 29/04/2024 Kurum evrak tarihli yazısıyla Kuruma iletilen, **Bozdoğan Belediye Başkanlığı**'nın, Aydın ili, Bozdoğan ilçesi, Kavaklı Mahallesi, 0 Ada, 2474-2476 Parseller (Yeni: 180 ada, 1 ve 3 parseller) adresinde kurulması planlanan 955 kW gücündeki lisanssız güneş enerjisine dayalı üretim tesisi ile ilgili yaptığı süre uzatım talebine ilişkin olarak;

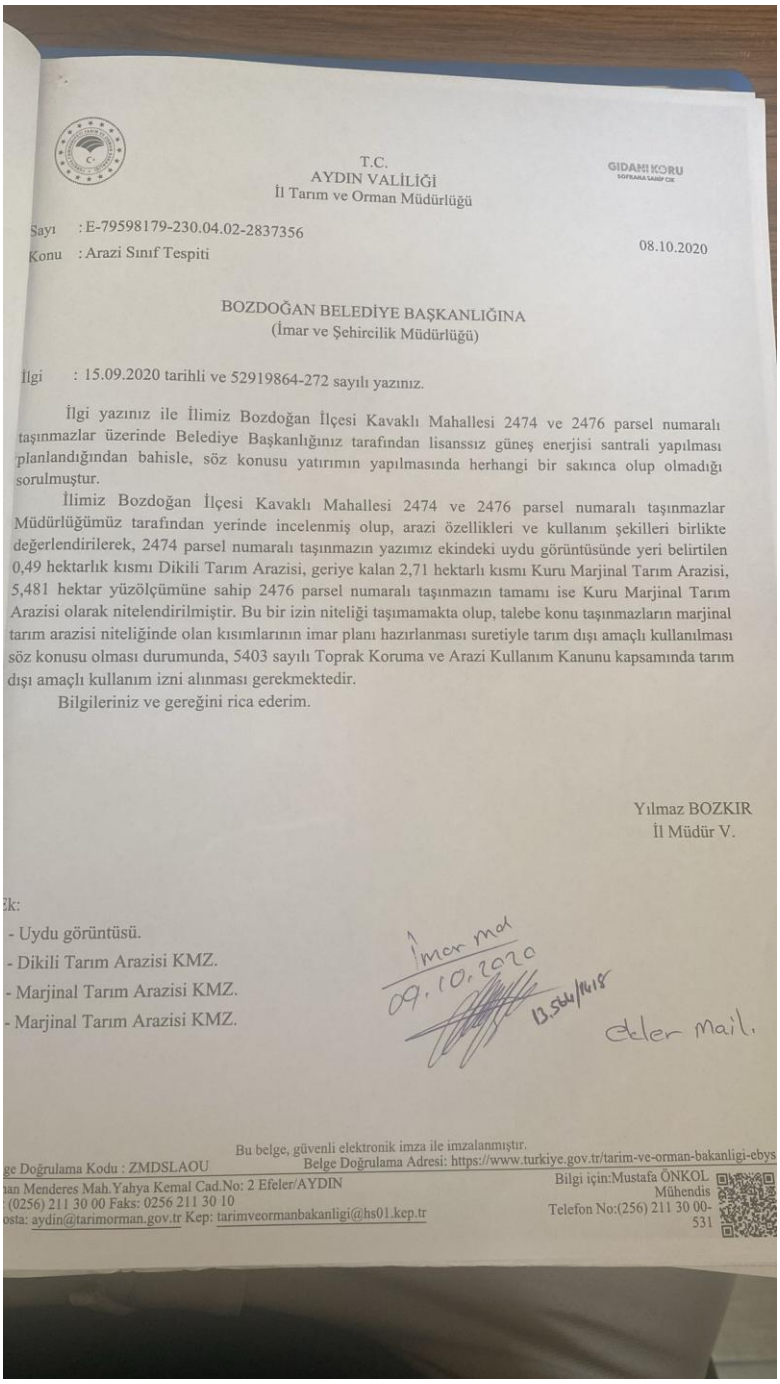
1) Söz konusu talebin Elektrik Piyasasında Lisanssız Elektrik Üretim Yönetmeliğinin 30 uncu maddesinin yedinci fıkrası hükmü kapsamında "*Kurul tarafından uygun bulunan haller*" kapsamında değerlendirilmesine,

2) **Bozdoğan Belediye Başkanlığı** ile **Adm Elektrik Dağıtım A.Ş.** arasında imzalanan Bağlantı Anlaşmasına 31/12/2026 tarihine kadar süre verilmesine,

karar verilmiştir.

Mustafa YILMAZ
Başkan

ANNEX-26 NON-AGRICULTURAL USE PERMIT



T.C.
AYDIN VALİLİĞİ
İl Tarım ve Orman Müdürlüğü

GIDAMI KORU

Sayı : E-79598179-230.04.02-2837356
Konu : Arazi Sınıf Tespiti

08.10.2020

BOZDOĞAN BELEDİYE BAŞKANLIĞINA
(İmar ve Şehircilik Müdürlüğü)

İlgi : 15.09.2020 tarihli ve 52919864-272 sayılı yazınız.

İlgi yazınız ile İlimiz Bozdoğan İlçesi Kavaklı Mahallesi 2474 ve 2476 parsel numaralı taşınmazlar üzerinde Belediye Başkanlığınız tarafından lisanssız güneş enerjisi santrali yapılması planlandığından bahisle, söz konusu yatırımın yapılmasında herhangi bir sakınca olup olmadığı sorulmuştur.

İlimiz Bozdoğan İlçesi Kavaklı Mahallesi 2474 ve 2476 parsel numaralı taşınmazlar Müdürlüğümüz tarafından yerinde incelenmiş olup, arazi özellikleri ve kullanım şekilleri birlikte değerlendirilerek, 2474 parsel numaralı taşınmazın yazımız ekindeki uydu görüntüsünde yeri belirtilen 0,49 hektarlık kısmı Dikili Tarım Arazisi, geriye kalan 2,71 hektarlı kısmı Kuru Marjinal Tarım Arazisi, 5,481 hektar yüzölçümüne sahip 2476 parsel numaralı taşınmazın tamamı ise Kuru Marjinal Tarım Arazisi olarak nitelendirilmiştir. Bu bir izin niteliği taşımamakta olup, talebe konu taşınmazların marjinal tarım arazisi niteliğinde olan kısımlarının imar planı hazırlanması suretiyle tarım dışı amaçlı kullanılması söz konusu olması durumunda, 5403 sayılı Toprak Koruma ve Arazi Kullanım Kanunu kapsamında tarım dışı amaçlı kullanım izni alınması gerekmektedir.

Bilgileriniz ve gereğini rica ederim.

Yılmaz BOZKIR
İl Müdür V.

Ek:
- Uydu görüntüsü.
- Dikili Tarım Arazisi KMZ.
- Marjinal Tarım Arazisi KMZ.
- Marjinal Tarım Arazisi KMZ.

İmar mal
09.10.2020
B.5641/1618
Efeler mail.

Bu belge, güvenli elektronik imza ile imzalanmıştır.
ge Doğrulama Kodu : ZMDSLAOU Belge Doğrulama Adresi: https://www.turkiye.gov.tr/tarim-ve-orman-bakanligi-ebys

an Menderes Mah.Yahya Kemal Cad.No: 2 Efeler/AYDIN
(0256) 211 30 00 Faks: 0256 211 30 10
osta: aydin@tarimorman.gov.tr Kep: tarimveormanbakanligi@hs01.kep.tr

Bilgi için:Mustafa ÖNKOL
Mühendis
Telefon No:(256) 211 30 00-531

B-Marjinal Tarım Arazisi
0/2474
Dikili Tarım Arazisi

ANNEX-27 FOREST PERMIT

T.C.
ORMAN GENEL MÜDÜRLÜĞÜ
Muğla Orman Bölge Müdürlüğü

Sayı : E-41964787-255.03-10366528

Konu : Kavaklı Mahallesinde 2474 ve 2476 Parsellerde Planlanan GES Projesinde ENH Kurum Görüşü (30-11)

BOZDOĞAN BELEDİYE BAŞKANLIĞINA

İlgi : 23.11.2023 tarihli ve 46925791-115.01.99-6361 sayılı yazınız. .

Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesinde 2474 ve 2476 parsellerde planlanan GES Projesi için ENH hakkında ilgi yazınızla Kurum görüşümüzün bildirilmesi istenmektedir.

Kavaklı Mahallesinde yapılan incelemede 2474 ve 2476 parsellerde Sürdürebilir Şehirler Ek Projesi kapsamında kurulacak olan 1120 kW ve 955 kW büyüklüğündeki lisanssız güneş enerji santrali orman tahdit sınırları dışında kaldığından Kurumumuzca kurulmasında sakınca bulunmamaktadır.

Enerji nakil hattı güzergahının ise kısmen orman tahdit sınırları içinde kaldığı ve 2/B ile orman dışına çıkarılan yerlerden olmadığı tespit edilmiştir. Söz konusu enerji nakil hattının kısmen orman tahdit sınırları içinde kalmasından dolayı 6831 Sayılı Orman Kanununun 17. Maddesi Uygulama Yönetmeliğinin 17/3 bendine göre Kurumumuzdan izin alınması kaydıyla yapılmasında sakınca bulunmamaktadır.

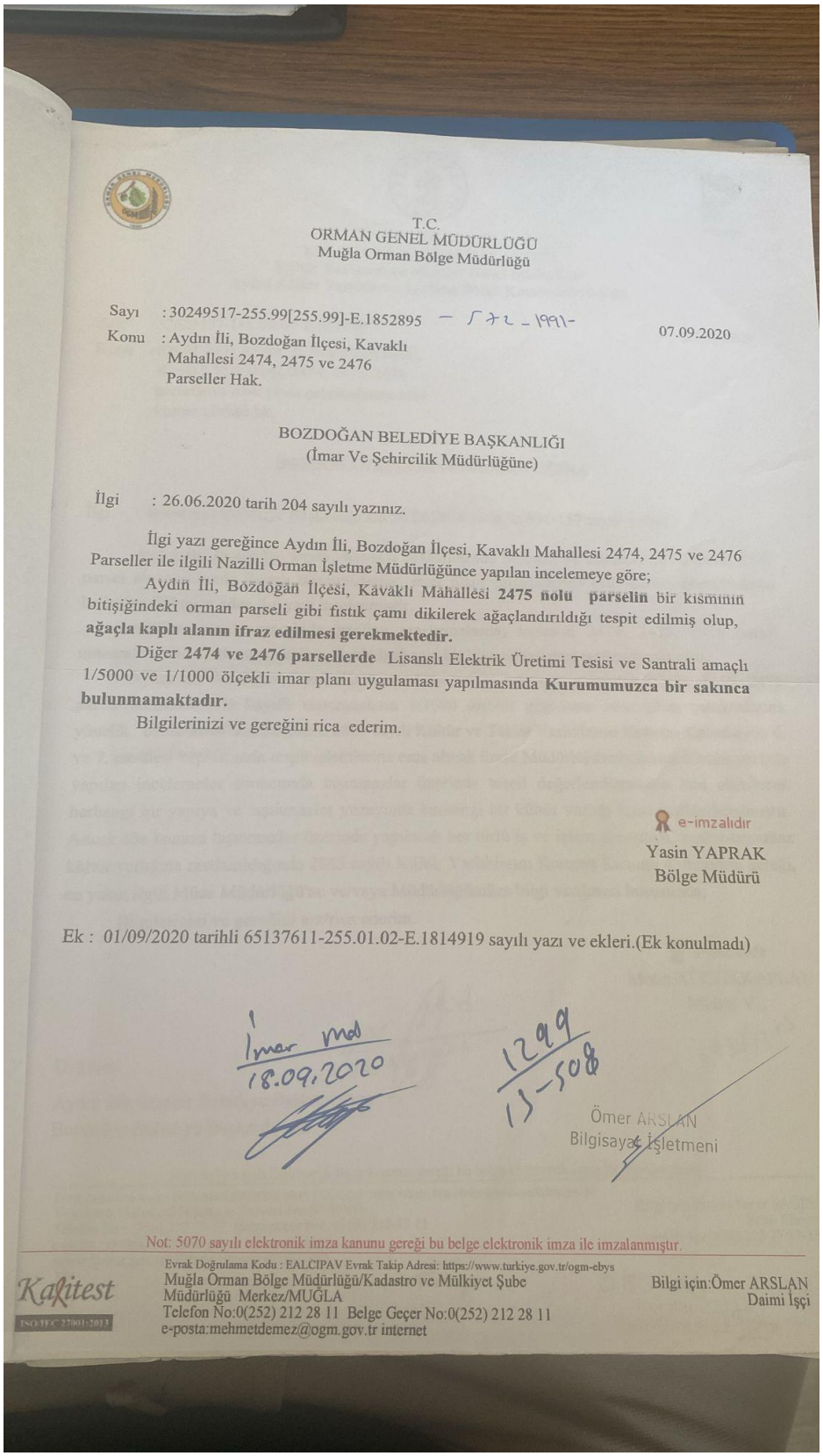
Bilgilerinize rica ederim.

Ersen ÇETİN
Bölge Müdür Yardımcısı

Bu belge, güvenli elektronik imza ile imzalanmıştır.
Doğrulama Kodu: 79BC6C27-E9AB-44D7-B21F-C36F2E860871 Doğrulama Adresi: https://www.turkiye.gov.tr/ogm-ebys

Muğla Orman Bölge Müdürlüğü/İzin ve İrtifak Şube Müdürlüğü Merkez/MUĞLA
Telefon No:0(252) 214 12 02-1150 Belge Geçer No:0(252) 214 14 09
e-posta:muglaobm08@ogm.gov.tr internet adresi:muglaobm.ogm.gov.tr
KEP Adresi : ogm@ogm.hs01.kep.tr

Bilgi için:İsmail AKARTUNA
Bilgisayar İşletmeni



T.C.
ORMAN GENEL MÜDÜRLÜĞÜ
Muğla Orman Bölge Müdürlüğü

Sayı : 30249517-255.99[255.99]-E.1852895 — 57+2-1991-
Konu : Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesi 2474, 2475 ve 2476 Parseller Hak.

07.09.2020

BOZDOĞAN BELEDİYE BAŞKANLIĞI
(İmar Ve Şehircilik Müdürlüğüne)

İlgi : 26.06.2020 tarih 204 sayılı yazınız.

İlgi yazı gereğince Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesi 2474, 2475 ve 2476 Parseller ile ilgili Nazilli Orman İşletme Müdürlüğünce yapılan incelemeye göre;

Aydın İli, Bozdoğan İlçesi, Kavaklı Mahallesi **2475 nolu parselin** bir kısmının bitişiğindeki orman parseli gibi fıstık çamı dikilerek ağaçlandırıldığı tespit edilmiş olup, **ağaçla kaplı alanın ifraz edilmesi gerekmektedir.**

Diğer **2474 ve 2476 parsellerde** Lisanslı Elektrik Üretimi Tesisi ve Santrali amaçlı 1/5000 ve 1/1000 ölçekli imar planı uygulaması yapılmasında **Kurumumuzca bir sakınca bulunmamaktadır.**

Bilgilerinizi ve gereğini rica ederim.

e-imzalıdır
Yasin YAPRAK
Bölge Müdürü

Ek : 01/09/2020 tarihli 65137611-255.01.02-E.1814919 sayılı yazı ve ekleri.(Ek konulmadı)

İmar mod
18.09.2020

1299
13-508

Ömer ARSLAN
Bilgisayar İşletmeni

Not: 5070 sayılı elektronik imza kanunu gereği bu belge elektronik imza ile imzalanmıştır.

Evrak Doğrulama Kodu : EALCIPAV Evrak Takip Adresi: https://www.turkiye.gov.tr/ogm-ebys
Muğla Orman Bölge Müdürlüğü/Kadastro ve Mülkiyet Şube Müdürlüğü Merkez/MUĞLA
Telefon No:0(252) 212 28 11 Belge Geçer No:0(252) 212 28 11
e-posta:mehmetdemez@ogm.gov.tr internet

Bilgi için:Ömer ARSLAN
Daimi İşçi

Kalitest
ISO 31 C 27001:2013

ANNEX-28 IMAGES OF BUILDINGS IN THE LOT

ANNEX-29 LETTERS OF UNDERTAKING

TAAHHÜTNAME

Bozüyük İlçesi, Yeni Mahalle, 345 ada 38 parselde kurulacak olan 982,8 kWp gücündeki Güneş Enerji Santrali (GES) projesi kapsamında, proje alanı içerisinde yer alan 1 adet söğüt ağacı ve 1 adet yabani ağacın kesilmesi planlanmaktadır. Alt proje faaliyetlerine başlanmadan önce söz konusu ağaçların kesilmesi halinde, Kurumumuza ait başka bir bölgede aynı sayıda ağaç dikimi yapılacağını taahhüt ederim.

Murat ARIK
Başkan Yardımcısı

TAAHHÜTNAME

Bozüyük İlçesi, Yeni Mahalle, 345 ada 38 parselde kurulacak olan 982,8 kWp gücündeki Güneş Enerji Santrali (GES) projesi kapsamında, mevcut durumda kullanılan patika yolun proje parseli sınırları içinde kalması nedeniyle, imar planında yer alan kadastral yol güzergahı doğrultusunda parsel dışında yeni bir yol inşa edileceğini taahhüt ederim.

ANNEX-30 CHANCE FIND PROCEDURE

Introduction

This document describes the Chance Find Procedure for subproject, outlining the procedures that will be followedin case of chance finds occur during the construction activities associated with the subproject.

Scope

This Chance Find Procedure (CFP) will be implemented for Bozdoğan Municipality 2.691,36 kWp, 2.144 kWe Solar (Photovoltaic) Power Plant (SPP)subproject in order to manage any chance finds that may be encountered during the construction activities. The purpose of the CFP document is to:

- outline the applicable legislation and standards relevant to this procedure;
- define roles and responsibilities;
- define subproject commitments, operational procedures, training requirements and guidance relevant to this procedure; and
- define monitoring and reporting procedures.

Although there are no known archaeological sites or remains within the subproject area, it is considered that there may be a potential to encounter archaeological findings during the construction of the subproject. Activities which have high potential to lead to discover or adversely affect the archeological resources are;

- topsoil stripping
- excavation and earthworks

This CFP is prepared in order to provide information to the contractors and employees regarding the actions to be taken in case of an archaeological chance find discovery.

Legislation and Standards

Legislation and standards that apply to the subproject comprise the following:

- Word Bank Environmental and Social Standard (ESS) 8: Cultural Heritage
- applicable Turkish laws and national standards
- other commitments to and requirements of Turkish government authorities
- other industry guidelines with which the project has committed to comply

In Türkiye, movable and immovable cultural and natural assets are protected and preserved by the Law on Preservation of Cultural and Natural Assets (Law No. 2863)

published in the Official Gazette dated 23.07.1983 and numbered 18113. Law 2863 establishes legal protection for the following:

- all natural assets and immovable cultural assets constructed up until the end of the 19th century,
- any immovable cultural asset from after the end of the 19th century, identified by the Ministry of Culture and Tourism as an important asset worthy of preservation,
- all immoveable cultural assets located within archeological sites,
- buildings/areas that have witnessed significant historical events during the National War and the foundation of the Turkish Republic and dwellings that have been used by Mustafa Kemal ATATÜRK, regardless of time and registration.

The Ministry of Culture and Tourism is the responsible body to take decisions for protection of cultural heritage in Türkiye at the national level. As part of the Ministry, the High Commission for the Protection of Cultural Assets is responsible for protecting and restoring immovable cultural assets. Implementation of the decisions and regulations issued by the Ministry are undertaken by local administrations. At local level, there are Cultural Assets Protection Regional Boards defined by the Ministry of Culture and Tourism, which are responsible for preservation, registration and classification of cultural heritage within their respective jurisdictions. The relevant Regional Board for the subproject is the Aydın Cultural Heritage Protection Regional Board Directorate." According to Law 2863, all the natural and cultural assets qualified for legal preservation are properties of the State. Therefore, regional boards have the power and authority to provide legal protection to the preservation sites and to approve or reject all the activities, which have potential negative impacts on the preservation sites such as construction, demolition and excavation activities.

Roles and Responsibilities

Principal roles and responsibilities for the implementation of this procedure are outlined below.

Role	Responsibilities
Contractor - Project Manager	• Overall responsibility for the development, review, approval and coordination of the numerous activities required to initiate, conduct and complete construction. • Ensure that this procedure is prepared, and updated as required, based on the activities undertaken as part of the subproject. • Ensure that adequate resources are made available to implement the procedures and guidelines outlined in this procedure.
Contractor - Environmental and Social (E&S)	• Initiation, development, implementation and coordination of the CFP duringconstruction. • Ensure that adequate training is given to all site personnel and sub-

Expert	contractors, covering the procedures and guidelines outlined in this procedure. Establish appropriate control procedures and conduct audits as necessary. • Consultation with and reporting to relevant government bodies in case of potential archeological chance finds. • Record all confirmed chance finds by filling up the "Chance Find Reporting Form" and maintain copies in a log-book. Ensure that the chance finds log-book is up todate.
Contractor - Site Manager	• Day-to-day implementation of the provisions of the CFP in the field during construction. • Notify the E&S Expert regarding potential chance finds during construction.
Employees	• Understand and comply with archeological chance finds procedures and guidelines outlined in this procedure. • Reporting of the potential chance finds to the Site Manager.

Impact Avoidance and Mitigation

In the event of an archaeological discovery, the following actions will be implemented:

- All staff involved in land clearance and excavation activities will take the responsibility for managing archaeological protection and will be trained in these aspects by the E&S Expert.
- In case any potential chance find is encountered, all construction activities will cease immediately in the vicinity of the chance find.
- The Site Manager will be contacted immediately. The discovered site location, the characteristics of the potential archaeological material and photos will be recorded by the Site Manager, who in turn will inform the E&S Expert.
- Aydın Museum Directorate will be notified at the latest within three days after the chance find is encountered. Contact details of the Aydın Museum Directorate are given below:

  Address: Ilıcabaşı Neighborhood Müze Boulevard No.4 Efeler/ AYDIN
  Telephone: +90 256 225 22 59
  E-mail: aydinmuzesi@ktb.gov.tr
- The site and its vicinity will be secured 24 hours a day against damage or loss, until inspection by the authority.
- The E&S Expert will fill up a "Chance Find Report Form" for each confirmed chance find and inform the Project Manager about the date that the construction work can resume, which is determined by the authorities concerning the conservation of the heritage.

- Further steps to be followed and proper plan to be implemented for the management of the finds (Changes in the layout, conservation, preservation, restoration and salvage) will be decided and reported in writing by the authorities in charge.
- Photographs of the potential artifacts that are likely to be encountered in the construction site are presented in the following pages to be used during the training of the relevant staff.

Verification and Monitoring

E&S Expert/s will record all cases of archaeological chance finds. He/she will fill up a "Chance Find Reporting Form" for each chance find confirmed by the authority and maintain copies in a logbook. A sample of a reporting form which can be used to record chance finds is included below. The chance find logbook will be summarized on an annual basis and records included in semi-annual monitoring reports to verify that correct management procedures have been followed. Action items will be taken in cases of non-adherence to this CFP.

Reporting

Contractor will comply with reporting requirements including chance finds defined in site-specific ESMP (contractor will develop monthly and quarterly monitoring reports and submit to Bozdoğan Municipality through supervision consultant; Bozdoğan Municipalitywill examine submit the reports to ILBANK quarterly (and monthly if requested by ILBANK); ILBANK will inform the World Bank by providing regular semi-annual monitoring reports.

ANNEX-31 PARCELS LOCATED ON THE ETL ROUTE