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SUSTAINABLE CITIES PROJECT – II WITHIN THE SCOPE OF ADDITIONAL FINANCING

CONSULTANCY SERVICE FOR TECHNICAL FEASIBILITY PREPARATION

DIKILI MUNICIPALITY SOLAR POWER PLANT ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

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ABBREVIATIONS

%	Percentage
€	Euro
μg	microgram
Inc.	Incorporated company
EU	European Union
EIA	Environmental impact assessment
ESIA	Environmental and Social Impact Assessment
ESMP	Environmental and Social Management Plan
dB	Decibel
WB	World Bank
AF	Additional Financing
EHS	Environment, Health and Safety
EMRA	Energy Market Regulatory Authority
ESG	Environmental Social Governance
FAA	US Federal Aviation Administration
F.I.	Financial Intermediation
SPP	Solar power plant
На	Hectare
IFC	International Finance Corporation
ILBANK	ILBANK Joint Stock Company









OHS	Occupational Health and Safety
kg	Kilogram
KVS	Short Term Limit Value
kwe	Kilowatt Electricity
kwh	Kilowatt Hour
kwp	Kilowatt Peak
LARPF	Land Acquisition and Involuntary Resettlement Policy Framework
1	Liter
m	Meter
m ²	Square Meters
m³	Cubic meter
MWh	Megawatt Hour
No.	Number
PV SYST	Photovoltaic System Software
SCP	Sustainable Cities Project
NGO	Non-Governmental Organizations
TAP	Portable Battery Manufacturers and Importers Association
TL	Turkish lira
UVS	Long Term Limit Value









Executive Summary

World Bank (WB) and Europe Technical and financial support from the Union (EU) support ILBANK Inc. (ILBANK), Sustainable Cities Project (SCP) projects series is implemented. SCP, participant municipalities and public services infrastructure service needs to improve aims.

SCP-II Additional Funding (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.

"Solar Energy" Power Plant Project (1,571.4 kWp, 1,396.47 kW) is planned by Dikili Municipality within the borders of Izmir Province, Dikili District, Demirtas Neighborhood, 136 block 1 parcel.

The coordinate list and location map of the planned project area are given in the attachment (See Annex-1, See Annex-2). The title deed document for the project area is attached (See Annex-3).

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

With the project put into operation, approximately 66,9% of the total electricity consumption of Dikili Municipality will be met. While determining this rate, the last year consumption data of Dikili Municipality (3.073,19 MWH) and the production of the SPP Project (2.481 MWH) were taken as basis.

The approximate cost of the project is $1.062.680 \in$ and the unit price is $676,26 \in$ /kwp, based on market research. The loan to be paid for the project is calculated as $78.603,94 \in$ per year. In addition, the electricity unit price paid by the Authority is 3,09 TL/kwh, which is $0.108 \in$ based on the current exchange rate (1 \in =28.60 TL). If the project is carried out with equity capital, the amortization period is calculated as 5 years, and if the project is carried out with a World Bank loan, it is calculated as 8 years.

Project production data was calculated using Energy Market Regulatory Authority (EMRA) data, global sunshine duration and Photovoltaic System Software (PV SYST) program. In addition to contributing to the economy with an annual production of 2.481









MWH, the power plant will also prevent 1.537 tons of carbon emissions due to solar energy being a renewable clean energy source.

The proposed power plant is located approximately 2 km away from the nearest residential area, Yakapınar Neighborhood. Given this distance, it is anticipated that the potential impact on the local population will be minimal. While the power plant is being established, short-term excavation works, transformer installation and approximately 150 m transmission line operations will be completed in approximately 1-5 days.

The project area was examined and photographed. Photos of the project are attached (See Annex-4).

1. Subproject Description

The specific purpose of the project area is; The aim 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 project. In this way, Dikili 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 project. Satellite images of the project area are given in Figure 1 and Figure 2.



Figure 1.Project Area Satellite Image-1









The project area is taken from the Candarlı-Dikili road, moving towards the south between Esentepe Neighbourhood and Demirtas Neighbourhood. The visual describing the access route of the project area is given in Figure 2.



Figure 2. Project Area Transportation Route

"Solar Energy" Power Plant Project (1,571.4 kWp, 1,396.47 kW) is planned by Dikili Municipality within the borders of Izmir Province, Dikili District, Demirtas Neighborhood, 136 block 1 parcel.

The connection contract given by GDZ EDAS within the scope of the planned project is attached (See Annex-5). Within the scope of the planned project, a connection will be made to the connection point within the power plant (Pole number 12) via the national line, in line with the connection agreement given by GDZ EDAS. National ETL is already existing. Connection to this national line will be made within the project area. Therefore, there is no need for land acquisition. The national line route and connection point (Pole number 12) are given in Figure 3.









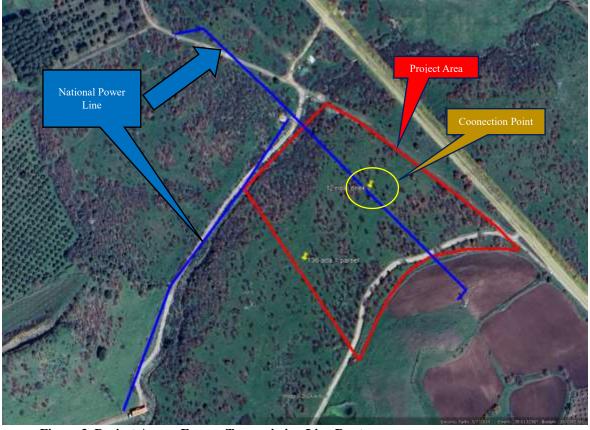


Figure 3. Project Area – Energy Transmission Line Route

There is no passage through private land along the transmission line. Therefore, there will be no expropriation.

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.

"Solar Energy" Power Plant Project (1,571.4 kWp, 1,396.47 kW) is planned by Dikili Municipality within the borders of Izmir Province, Dikili District, Demirtas Neighborhood, 136 block 1 parcel. The planned 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. It is also classified as Category B under World Bank OP 4.01. For this reason, the EIA Not Required Decision Letter dated 30.07.2021 and numbered 1408601 by the Izmir Governorship, Provincial Directorate of Environment, Urbanization and Climate Change is available for the Project Introduction File prepared (Annex-18).

3. Legal and Institutional Framework

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

3.1. National Legal Framework

There is sufficient legal and administrative basis in Türkiye 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.

Since the planned project capacity is greater than 1 MWE, it is included in the Annex-2 List of the EIA Regulation, which was published in the Official Gazette dated 25.11.2014 and numbered 29186.

There is an EIA Not Required Decision Letter dated 30.07.2021 and numbered 1408601 issued by Izmir Governorship, Ministry of Environment, Urbanization and Climate for the Project Introduction File provided in this way (Annex-18).

In the EIA Regulation Provisional Article 1, which was legalized by being published in the Official Gazette dated 29.07.2022 and numbered 31907, it is stated that "Before this entry into force, the projects submitted to the EIA application registration/project promotion provincial directorate or the Ministry shall be subject to the favorable Regulation of this Regulation and/or the ones in force on the date of application." it is said.









In this context, there is no action to be taken within the scope of the EIA Regulation. The 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









3.2. International Standards

For the investments defined and outlined within the scope of this 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 Project Owner.

World Bank Environmental and Social Protection Policies include environmental assessments of 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

The International Finance Corporation (IFC) guidelines, also known as the International Finance Corporation, which are considered relevant to the 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 (1,571.4 kWp, 1,396.47 kW) is planned by Dikili Municipality within the borders of Izmir Province, Dikili District, Demirtas Neighborhood, 136 block 1 parcel.

Within the scope of the project in question, the area where the Solar Power Plant will be established belongs to Dikili Municipality.

With the project put into operation, approximately 66,9% of the total electricity consumption of Dikili Municipality will be met. While determining this rate, the last year consumption data of Dikili Municipality (3.073,19 MWH) and the production of the SPP Project (2.481 MWH) were taken as basis.

The connection contract given by GDZ EDAS within the scope of the planned project is attached (See Annex-5). Within the scope of the planned project, a connection will be made to the connection point within the power plant (Pole number 12) via the national line, in line with the connection agreement given by GDZ EDAS. National ETL is already existing. Connection to this national line will be made within the project area. Therefore, there is no need for land acquisition. The national line route and connection point (Pole number 12) are given in Figure 3.

It is anticipated that 15 personnel will work during the construction phase of the project and the solar energy installation process will be completed within 9 weeks.

The project area is taken from the Candarlı-Dikili road, moving towards the south between Esentepe District and Demirtas District. The visual describing the access route of the project area is given in Figure 2.

According to the data of the Turkish Statistical Institute, the population of Dikili District in 2023 is 48.379 people. This population consists of 24.124 men and 24.255 women. Accordingly, 49,86% of the population of Dikili District is male and 50,14% is female. The population of Demirtas District consists of 257 people. In this context, the population of Demirtas District corresponds to approximately 0,53% of the population of Dikili District.









5. Environmental and Social Management Plan

"Solar Energy" Power Plant Project (1,571.4 kWp, 1,396.47 kW) is planned by Dikili Municipality within the borders of Izmir Province, Dikili District, Demirtas Neighborhood, 136 block 1 parcel. It is anticipated that 15 personnel will work during the construction phase of the project and the solar energy installation process will be completed within 9 weeks.

Within the scope of the 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 glare effects will occur due to photovoltaic panels.

In this regard, the possible environmental impacts that may occur within the scope of the project have been evaluated in detail below, the measures to be taken have been determined and monitoring plans have been prepared.

Water Use and Wastewater Generation

The water needs of 15 personnel who will work within the scope of the 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 and Environmental Legislation.

The drinking water needs of the personnel who will work during the construction and operation phases of the 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 Intended 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, quantities, supply locations, wastewater amounts and the disposal method of wastewater during both the construction and operation phases of the project are given in Table 1.









Table 1. Water Supply Plan for Construction and Operation Phases

Project Period	Water use	The amount of water	Water Supply Place	Amount of Wastewater	Wastewater Disposal Method
Building	Drinking and potable water for 15 people who will take part in the land preparation phase	15 people x 221 lt/person- day* = 3,32 m ³ /day	Drinking and utility water that will be needed during the land preparation and construction phase will be supplied by demijohns.	15 people x 174 lt/person-day* = 2,61 m ³ /day**	A septic tank will be installed and removed by sewage trucks.
Business	Cleaning of Photovoltaic Panels (Twice a year)	4 m³/year deionized water (0.01 m³/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 221 lt/person-day (Turkish Statistical Institute, Izmir, 2020).

Note 2:** The daily amount of wastewater generated by one person is taken as 174 lt/person (Turkish Statistical Institute, Izmir, 2020).

Drinking water to be used by the personnel who will work during the land preparation and construction phase of the 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 Intended for Human Consumption".

The drinking and potable water needed by the personnel who will work at all stages of the project will be subject to regular control and inspection monitoring analyzes authorized by the Ministry of Health every year, in accordance with the criteria of the "Regulation on Water for Human Consumption", which came into force after being published in the Official Gazette dated 17.02.2005 and numbered 25730. It will be carried out in accredited laboratories and analysis reports will be kept.

Within the scope of the 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,
- Taking samples from the wastewater discharged to the sewerage infrastructure at certain periods and checking its compliance with the discharge limits,
- Obtaining the appropriate opinion from the infrastructure administration for discharge to the sewer.
- 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.

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 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- cbs) 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 data received from the Turkish Statistical Institute, the daily amount of solid waste generated per person in Istanbul in 2022 is 1.13 kg/day ⁽¹⁾. Accordingly, the amount of domestic solid waste that will arise from people who will work during the construction phase of the project is 16,95 kg/day (15 people x 1.13 kg/person-day) solid waste will be generated.









⁽¹⁾ Municipal Waste Statistics, Izmir Province, Average Municipal Waste Amount per Person (kg/person-day), Turkish Statistical Institute, 2022.

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

All regulations (Waste Management Regulation, Packaging Waste Control Regulation, Zero Waste Regulation) regarding the storage of all solid waste (food residues, packaging paper, pet bottles, glass bottles, etc.) within the scope of the project will be complied with.

In addition, within the scope of Article 5 of the Regulation in question, employees will be informed that planting in seas, lakes and similar receiving environments, streets and forests is prohibited.

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.









Waste Panels

Waste panels, switches, solar regulators, inverters, etc. The materials will be temporarily stored in the Hazardous Waste Storage Area located in the existing facility. It will then be delivered to the closest or most economical licensed recycling company to the project area for recycling.

Waste Batteries

Waste batteries that may be removed from vehicles in the 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.

Medical Waste

Medical waste is not expected to be generated in the project area as the nearest health institution will be visited in case of an accident. In case of occurrence, the relevant provisions of the "Medical Waste Control Regulation", which came into force after being published in the Official Gazette dated 25.01.2017 and numbered 29959, will be complied with. Medical waste that is likely to be generated as a result of the use of first aid materials available in the facility in case of emergency; tear, puncture, explosion and transportation resistant; It will be placed in leak-proof red plastic bags made of original medium density polyethylene raw material and bearing the phrase "CAUTION MEDICAL WASTE". The bags will be filled at most ¾ and their mouths will be tightly tied, and when deemed necessary, each bag will be placed in another bag with the same features to ensure absolute sealing.

Within the scope of the project, the Environment, Health and Safety Guidelines (<u>Waste Management</u> and <u>Hazardous Material Management</u>) published by the International Finance Corporation (IFC) will be followed. In this context, the Waste Management Criteria to be followed are given in Table 3 and the Hazardous Material Management criteria are given in Table 4.









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,
- 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.

Excavation Waste

Within the scope of the project, excavation works will be carried out during the land preparation and construction phase, the excavation for 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 $20,000 \text{ m}^2$.









According to this;

 $20,000 \text{ m}^2 * 0.2 \text{ m} = 4,000 \text{ m}^3 \text{ excavation will occur.}$

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 project.

Dust Emissions

Within the scope of the project, excavation will be carried out during the excavation 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-9).

It is not expected that the dust emissions that will occur during the 1 month 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
	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).	
Air Quality Assessment and Management Regulation	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).	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.)
	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/m ³	-	-
IFC Environmental, Health and Safety (EHS)	24 Hours	-		Temporary Target-1: 150 μg/m³ Temporary Target-2: 100 μg/m³ Temporary Target-3: 75 μg/m³ Directive: 50 μg/m³
Guidelines: Air emissions oath ambient air Quality	1 Year	-		Temporary Target-1: 70 μg/m³ Temporary Target-2: 50 μg/m³ Temporary Target-3: 30 μg/m³ Directive: 20 μg/m³









"Regulation on the Control of Industrial Air Pollution", which came into force by being published in the Official Gazette No. 27277 dated 03.07.2009, during the activities of taking, loading, transporting and unloading of materials in the excavation and filling operations to be carried out within the scope of the activity and during the operation; The issues specified in the "Air Quality Assessment and Management Regulation" dated 06.06.2008 and the Environment, Health and Safety Guides (Air Emissions and Ambient Air Quality) published by the International Finance Corporation (IFC) will be complied with.

Exhaust Gas Emission

Within the scope of the project, exhaust gas emissions will occur due to the vehicles used during the transportation of photovoltaic panels, materials and equipment to the 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 project. Maintained and repaired vehicles will be used.

Noise

During the construction phase of the 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 expected 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, any noise impacts is not expected during operation phase of the project. In addition, the determined values are below the limit values given in national and international legislation. A complaint grievance mechanism will be implemented regarding these issues. Construction phase noise calculation is given in the attachment (See Annex-13).









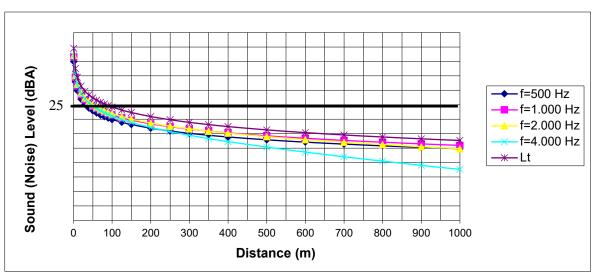


Figure 4. Construction Phase Noise Distribution Graph by Distance

Table 6. Environmental Noise Level Border Values

N. C	Measured	Environmental Noise Level			
Noise Source	Parameter	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 dE	3 (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

Table 7: If C 100se Management Emit values				
	Environmental Noise Level			
Noise Source	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 project remain below the limit values given in both the Environmental Noise Control Regulation and the Environment, Health and Safety Guidelines (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 receptors, and noise sources operate uninterruptedly. Therefore the actual environmental noise levels will be lower than the calculated environmental noise levels.

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, all vehicles will not operate at the same time. The construction equipment 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 project from risks involving health and safety information as a result of exposure to noise, the "Regulation on the Protection of Employees from Noise-Related Risks" 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 Project, action will be taken in accordance with the Environment, Health and Safety Guides (<u>Noise Management</u>) published by the International Finance Corporation.









Glare and Sparkle Effect

Another effect of solar power plants is the reflection and glare 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 glare effects varies 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 glare 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. Photovoltaic solar 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









²https://www.savemoneycutcarbon.com/

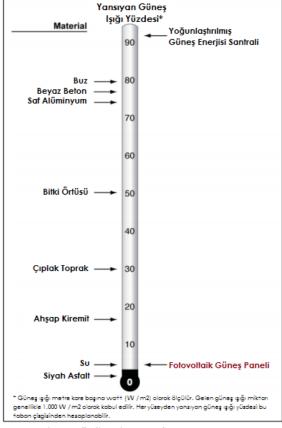


Figure 5. Sunlight Reflectance Percentages of Various Materials

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

Against possible reflection and glare 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 at the necessary points according to visual monitoring and complaints from nearby settlements.

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 Türkiye 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 project area is not located on the bird migration routes of Türkiye.



Figure 6. Migratory Bird Migration Routes Map

Biodiversity

There is no distribution of natural flora and fauna in the area where the Project is located. Therefore, it is not possible for natural flora and fauna to be affected by the construction activity of the project.

Population/Demographics

There is no negative impact on the population level expected from the project in the residential areas that are expected to be generally affected within the scope of the planned project. Additionally, no camping area will be established for workers during the construction period. Within the scope of the project, it is planned to meet the personnel needs as much as possible from local people.

Subcontractors are obliged to provide professional ethics training to each worker in order to ensure that the workers who will work during the construction do not have any negative impact on the social order. The Project Owner will ensure that contractors establish a code of conduct and ensure that workers regarding communication with citizens receive training before starting work.

Economy/Employment

It is anticipated that temporary employment will be created for construction works during the renovation and capacity expansion works to be carried out in the project. 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.

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 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 project area are Ayvalik Islands Nature Park, located in the northwest direction of the project area and approximately 38.75 km away. The satellite image showing the distance between the project area and Ayvalik Islands Nature Park is given below.









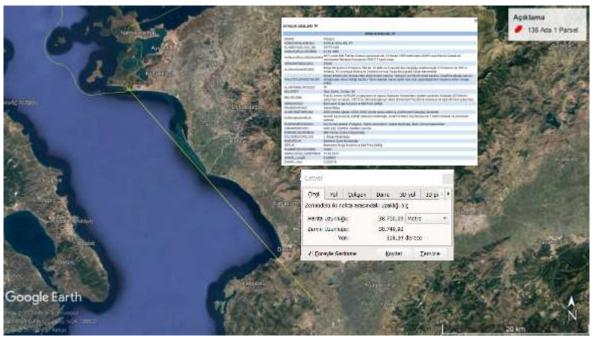


Figure 7. Project Area- Ayvalik Islands Nature Park

Historical and Cultural Areas

The project area does not fall within the borders of any Tourism Center or Culture and Tourism Protection and Development Zone declared in accordance with the Tourism Incentive Law No. 2634.

There is no tourism area in the project area and its immediate surroundings.

Within the scope of the project, T.R. There is an Institutional Opinion No. 35.05/929 received from the Ministry of Culture and Tourism, General Directorate of Cultural Heritage and Museums, Izmir Regional Board for the Protection of Cultural Heritage No. 2.

During any work or operation to be carried out within the scope of the project, if movable or immovable cultural assets are encountered, the nearest Museum Directorate will be informed in accordance with Article 4 of the Law Number 2863 on the Protection of Cultural and Natural Assets.

In addition, within the scope of the project, the provisions of the World Bank Physical Cultural Resources (OP 4.11) chance finds procedure will be followed.









Agriculture and Forestry Areas

The project area is described as agricultural land in the land registry records and plans. In this context, the opinion of the Izmir Provincial Directorate of Agriculture and Forestry was received and it was determined that the entire 2.8 hectare part of the 2.8 hectare area on 136 block 1 parcel (parcel number 1109, which was pacified) was dry marginal agricultural land. The relevant opinion letter is attached (See Annex-6).

In this context, activities will not be started without obtaining a "Non-Agricultural Use Permit" within the scope of Soil Conservation and Land Use Law No. 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 will be obtained by the end of 2024.

The activity area subject to the project does not fall within the scope of areas qualified as "Forest Area". Within the scope of the project, the provisions of the World Bank Natural Habitats (OP 4.04) will be followed.

Land Acquisition / Use

"Solar Energy" Power Plant Project (1,571.4 kWp, 1,396.47 kW) is planned by Dikili Municipality within the borders of Izmir Province, Dikili District, Demirtas Neighborhood, 136 block 1 parcel. The project area (136 block 1 parcel) is field. Within the scope of the planned project, a connection will be made to the connection point within the power plant (Pole number 12) via the national line, in line with the connection agreement given by GDZ EDAS. National ETL is already existing. Connection to this national line will be made within the project area. Therefore, there is no need for land acquisition. The national line route and connection point (Pole number 12) are given in Figure 3.

There is no passage through any private land along the transmission line. Therefore, expropriation will not be made. Additionally, the energy transmission line route is given in the annex (See Annex-12).

The title deed document for the project area is attached (See Annex-3).

Existing access roads will be used for project activities and no additional land will be acquired for access roads. If additional access roads are required in the future, an environmental and social impact assessment will be conducted for the proposed route.

The measures presented in the ESMP will be complied with by the Project Owner 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.









The standards specified in World Bank Operation Policy 4.12 will be met.

Working conditions

The Project Owner will be responsible for human resources for the construction and operation periods. Türkiye is currently in the middle of its harmonization process with the European Union and its labor laws are being reviewed to ensure compliance. The 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.

In addition, the Subcontractor will provide training to its personnel during the execution of the works about the environmental and social impacts that should be taken into consideration during field works and included in the ESMP document. The subcontractor will inform its personnel about taking all precautions to prevent and/or minimize environmental and social impacts during field manufacturing. In addition, all these processes will be controlled by the Project Owner.

Community Health and Safety

Public health and safety problems are related to dust and environmental noise factors that may arise from the construction and operation period of the project. It is anticipated that local people may be affected by the dust and noise that will occur, especially during the three-week land preparation and construction period.

In order to minimize the impact of traffic activities expected to intensify during the construction phase on the local community, working hours should be adjusted according to the peak transportation hours. Opinions of relevant stakeholders will be taken to determine a common working strategy, especially for construction activities to be carried out in front of and/or around areas such as schools and hospitals. Construction activities to be carried out around or in front of hospitals and/or healthcare institutions will be planned in a way that will not prevent the public from accessing these services.

In addition, during site preparation and construction activities, the Subcontractor, under the management of the Project Owner, will ensure that subcontractors take health and safety measures, such as informing the public about the construction plan and locations in a timely manner.

Accidents that may threaten public health and safety may occur as a result of not fully surrounding the construction sites and not placing the necessary warning signs. In this regard, appropriate warning signs and signals will be used to identify construction sites and irrigation will be provided during dry seasons.









Existing roads will be used within the scope of transportation of the panels. Possible damage to road surfaces due to traffic caused by heavy machinery will be rehabilitated by the Subcontractor. In case of any damage to infrastructure elements on private lands due to construction activities, mitigation measures will be implemented by the subcontractor.

Communities surrounding the Project area may be exposed to physical hazards associated with Project components during the construction phase. Additionally, confined spaces or fall hazards may occur due to unattended infrastructure. The project area will be fenced to prevent physical dangers to the communities associated with the project, and the local people, workplaces and government institutions that will be affected by the construction activities will be announced at least 2 days in advance.

Within the scope of the project, the provisions of the Environment, Health and Safety Guidelines (Community Health and Safety) will be complied with.

Occupational Health and Safety

It is planned to employ a total of 9 personnel during the construction process of the project, depending on the workload. The construction phase of the project 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 Project are not managed appropriately, occupational accidents and injuries may occur. Dust and environmental noise that may occur during the operation phases of the projects may cause potential health problems due to non-routine risks.

It will be ensured that employees are informed about their job descriptions, responsibilities and risks that may threaten health and safety related to the work performed. Employees will be provided with the necessary personal protective equipment and will be provided with information about work and occupational safety through regular training.

The Project Owner 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.

The Project Owner 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 project will be low if occupational health and safety legislation is strictly followed. Within the scope of the project, the Occupational Health and Safety Regulation in Construction Works, Labor Law, Occupational Health and Safety Law and relevant regulations will be complied with.

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 Safety Law and relevant regulations regarding occupational health and safety will be followed.

Work accidents, fire, etc. that may occur in the project area. to respond to emergencies; Fire extinguishing tools and equipment (fire extinguishers, buckets, shovels, etc.), first aid materials, etc. within the 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 project.

Within the scope of the project, an Emergency Response Plan will be prepared by the project owner to protect occupational safety and worker health.

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

Institutional Arrangements

"Solar Energy" Power Plant Project (1,571.4 kWp, 1,396.47 kW) is planned by Dikili Municipality within the borders of Izmir Province, Dikili District, Demirtas Neighborhood, 136 block 1 parcel. It is necessary to have resources allocated to the management of environmental and social issues to ensure that the project in question is carried out in a way that minimizes its potential impacts. In this regard, first of all, the current structure of Dikili Municipality was evaluated and the institutional infrastructure needed to provide the specified services was tried to be revealed.

Current Administrative (Institutional Structure)

The organizational chart of Dikili Municipality is given below. There are 16 directorates within the municipality.









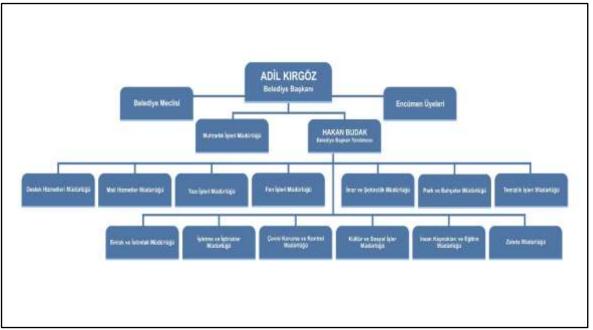


Figure 8. Dikili Municipality Organization Chart

Duties and Responsibilities

It is the responsibility of Dikili Municipality to manage the issues specified in the ESMP prepared for the healthy execution of the 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 below.

Table 8. Duties and Responsibilities

Organisation	Duties and Responsibilities		
World Bank	 Checking whether the loan obtained from the bank is used within the scope of the relevant business, Verifying compliance with tender, contract documents and procedures Monitoring the transactions to be carried out at certain periods, Conducting site visits with a designated team at certain periods. 		
ILBANK	 Preparing Dikili Municipality's project documents in accordance with World Bank requirements and providing guidance on public participation and announcement requirements, To provide guidance to Dikili Municipality officials and consultants on World Bank requirements for protection measures (documents and procedures) regarding cultural assets, land acquisition and involuntary resettlement, natural habitats, forests and international waterways, 		









	 Reviewing documents related to the environmental and social assessment of the project, providing comments to consultants and granting official approval to these documents and procedures in accordance with World Bank safeguarding requirements, Monitoring studies such as the implementation of ESMP and other environmental and social impact mitigation measures, Monitoring and auditing Dikili Municipality's ESMP practices and providing feedback on its performance, suggestions and steps to be taken within the scope of general project supervision, Obtaining the opinions of relevant groups and local environmental/social experts about the environmental and social dimensions of the project implementation and holding meetings with these groups when necessary during field visits, Ensuring coordination and communication regarding field visits to be carried out within the scope of World Bank inspection missions regarding environmental and social protection measures related to project implementation. Execution of tenders in accordance with the Public Procurement
Dikili Municipality	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 Project personnel, Ensuring compliance with project standards, taking urgent action in case of non-compliance, To stop work 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 within three business days, 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.
The Contractor	Fulfilling all requirements of ESMP and management plans,









- Implementation of additional commitments determined by Dikili 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 Dikili 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 Dikili Municipality,
- Immediate notification of unexpected situations such as environmental, social and business problems or accidents, 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 30 days.

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

Training

Project Owner Dikili 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 Project Owner. As a minimum requirement, this program will be implemented as training for employees and contractors responsible for the implementation of the ESMP. The Project Owner will provide training to employees and subcontractors before the construction phase begins.

The person 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.

The Project Owner 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).









Table 9. Land Preparation and Construction Phase Mitigation Plan

	Problem	Potential Impact	Effect Type	Impact Significance	Mitigation Measures	Responsible Party
WASTE WATER	Land Preparation and Construction Phase; 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.	Indirect	Moderate	Within the scope of the planned project, the water need of 9 personnel who will work in the construction and land preparation phase is 2.22 m³/day, and the amount of wastewater it will create is 1,22 m³/day. A septic tank will be installed for the sink needs of the people who will work in the planned project and will be drawn by a sewage truck at certain periods.	Dikili Municipality The contractor









	Problem	Potential Impact	Effect Type	Impact Significance	Mitigation Measures	Responsible Party
SOLID WASTE- HAZARDOUS WASTE- MEDICAL WASTE-	Land Preparation and Construction Phase Municipal waste caused by personnel working in the 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	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 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	Dikili Municipality The contractor









System will be established and data of the waste collected for the previous month will the Integrated entered into 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 project will not be stored in the 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 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".









	When not disposed of, it causes contamination of underground and surface water resources, soil pollution and odor problems for human health.	Indirect	Moderate	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. Recycling of PV modules basically consists of 3 steps. The first stage is mechanical, chemical and thermal delamination (separation of layers), the second stage is chemical coating removal and the final stage is chemical extraction. To recycle the crystal, it is necessary to recover crystalline silicon from the modules by pyrolysis at 500 °C and to remove metal anti-reflection and diffusion coatings by acid etching. Leaks caused by rare precious substances (silver, gallium, indium, germanium), conventional materials (aluminum and glass) and hazardous substances (lead and	Dikili Municipality The contractor









Problem	Potential Impact	Effect Type	Impact Significance	Mitigation Measures	Responsible Party
		Туре	Significance	most important environmental problems caused by PV modules. With the latest decisions taken by the European Union Commission, PV panels are included among the Electrical and Electronic Equipment Waste. Recycling 1-ton silicone in the PV module corresponds to approximately 370 kg CO ² equivalent, which increases to approximately 800 – 1200 kg CO ² equivalent when produced with 100 % recycled raw materials. Compared to landfilling, the recycling scenario has less impact on the environment.	Party









AIR POLLUTION	Land Preparation and Construction Phase 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 the flora and fauna of the environment.	Direct	Moderate	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 warned 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, which came into force after being published in the Official Gazette dated 11.03.2017 and numbered 30004, will be complied with during the land preparation, construction and operation stages of the Project.	Dikili Municipality The contractor
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NOISE AND VIBRATION	Land Preparation, Construction Stages: 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	The noise that will occur during the construction phase of the project will be local and temporary and will end at the end of construction. During this phase, regular checks of the work machines to be used will be made to ensure that the limit values specified in the Environmental Noise Control Regulation are not exceeded. Care will be taken to ensure that as few vehicles as possible operate at the same time. During the construction phase, noise will vary throughout the day during the works, but since the works will be carried out during the day (07.00 AM-07.00 PM), noise generation will be limited. During the works within the scope of the project, necessary measures will be taken to minimize noise generation, taking into account the conditions to be observed in equipment used in open areas. In addition, in the project area, the issues specified regarding the "noise criteria for construction sites" will be complied with regarding the noise that will occur during the construction phase, and vehicles with traffic inspections, exhaust measurements and maintenance will be used. In addition, if necessary, workers will be provided with headgear, headphones, earplugs, etc. specified in the Labor Law Number 4857. Protective clothing and equipment such as will be provided.	Dikili Municipality The contractor
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	Problem	Potential Impact	Effect Type	Impact Significance	Mitigation Measures	Responsible Party
EXCAVATION AND SOIL POLLUTION	Land Preparation and Construction Phase 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	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.	Dikili Municipality The contractor









Problem	Potential Impact	Effect Type	Impact Significance	Mitigation Measures	Responsible Party
Chance Find Prodecure	Destruction or damage to cultural heritage	Indirect	Moderate	Preparation of a Chance Find Procedure will be provided. Machinery and equipment used around archaeological sites will be carefully selected. The number of chance finds will be monitored.	Dikili Municipality The contractor









Table 10. Operation Phase Precautions Plan

	Problem	Potential Impact	Effect Type	Impact Significance	Mitigation Measures	Responsible Party
WASTE WATER	Operation Phase; 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.	Indirect	Moderate	The water need of 2 personnel who will work during the operation phase is calculated as 0,60 m³/day, and the amount of wastewater it will create is calculated as 0,29 m³/day. A septic tank will be installed for the sink needs of the people who will work in the planned project and will be drawn by a sewage truck at certain periods.	Dikili Municipality









SOLID WASTE- HAZARDOUS WASTE- MEDICAL WASTE- PACKAGING WASTE	Operation Phase Municipal waste caused by personnel working in the 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.	Indirect	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 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- cbs) within the framework of the relevant regulation by the 15th of each month.	
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Since the solid waste that will be generated within the scope of the project will not be stored in the 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 project are subject to the Management "Waste 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.









Problem	Potential Impact	Effect Type	Impact Significance	Mitigation Measures	Responsible Party
				Recycling of PV modules basically consists	
				of 3 steps. The first stage is mechanical,	
				chemical and thermal delamination	
				(separation of layers), the second stage is	
				chemical coating removal and the final	
				stage is chemical extraction. To recycle the	
				crystal, it is necessary to recover crystalline	
				silicon from the modules by pyrolysis at	
				500 °C and to remove metal anti-reflection	
				and diffusion coatings by acid etching.	
				Leaks caused by rare precious substances	
				(silver, gallium, indium, germanium),	
				conventional materials (aluminum and	
				glass), and hazardous substances (lead and	
				cadmium) in PV modules are among the	
				most important environmental problems	
				caused by PV modules. With the latest	
				decisions taken by the European Union	
				Commission, PV panels are included	
				among the Electrical and Electronic	
				Equipment Waste. Recycling 1-ton silicone	
				in the PV module corresponds to	
				approximately 370 kg CO ² equivalent,	
				which increases to approximately 800 -	
				1200 kg CO ² equivalent when produced	
				with 100 % recycled raw materials.	
				Compared to landfilling, the recycling	
				scenario has less impact on the	
				environment.	









Table 11. Land Preparation and Construction Phase Monitoring Plan

PARAMETER TO BE MONITORED LOCATION OF THE PARAMETER		MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING	CORPORATE RESPONSIBILITY	Cost	
Excavation	n Waste	In the 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	-Dikili Municipality -Contractor	Included in the project budget
Air Management	Dust Emission	Construction site and transportation routes	Observational	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	-Dikili Municipality -Contractor	Included in the project budget
	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	-Dikili Municipality -Contractor	Included in the project budget
Nois	se	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,	-Dikili Municipality -Contractor	Included in the project budget









PARAMETER TO BE MONITORED LOCATION OF THE PARAMETER		MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING	CORPORATE RESPONSIBILITY	Cost	
					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	-Dikili Municipality -Contractor	Included in the project budget
La	andscape	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	-Dikili Municipality	Included in the project budget
Waste	Municipal waste, Packaging Waste	In the construction area or in the area to be used as a construction site	Observational Audit and Recording	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	-Dikili Municipality -Contractor	Included in the project budget
Manage ment	Hazardous Wastes	In the construction area or in the area to be used as a construction site	Observational Audit and Recording	Continually	Ensuring compliance with the Waste Management Regulation, IFC Environmental, Health and Safety Guidelines: Waste Management	-Dikili Municipality -Contractor	Included in the project budget
	Other Wastes (Battery, Battery, etc.)	In construction sites	Recording the Delivery to Recycling Companies	Continually	Regulation on the Control of Waste Batteries and Accumulators, IFC Environmental health oath Safety Guidelines: Waste Management	-Dikili Municipality -Contractor	Included in the project budget









PARAMETER TO BE MONITORED	LOCATION OF THE PARAMETER	MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING	CORPORATE RESPONSIBILITY	Cost
Occupational Health and Safety	In all studies	Observation and supervision	Continually	Ensuring compliance with Labor Law and Regulations, IFC Environmental, Health and Safety Guidelines: Occuptional Health and Safety	-Dikili Municipality	Included in the project budget
Transportation (Traffic load that may occur during the transportation of panels)	On-site and off-site roads	Observational	Continually	Life and property safety Road Traffic Law	-Dikili Municipality	Included in the project budget
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: Occuptional Health and Safety	-Dikili Municipality	Included in the project budget
Waste water	Septic tank	Analysis	During the construction phase	Water Pollution Control Regulation, IFC Environmental, Health and Safety Guidelines: Wastewater Management	-Dikili Municipality -Contractor	Included in the project budget
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	-Dikili Municipality -Contractor	Included in the project budget
Climate Change	In all studies	Calculation of greenhouse gas emissions reduced within the scope of the project (documentation control)	Annually	Adapting to Climate Change / Reducing greenhouse gas emissions	-Dikili Municipality	Included in the project budget
Public Health and Safety Community Engagement	In all studies	Documentation control Examining security records and keeping an	Monthly	Examining grievance records, Keeping training records, Preparation of exercise reports	-Dikili Municipality	Included in the project budget









PARAMETER TO BE MONITORED	LOCATION OF THE PARAMETER	MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING	CORPORATE RESPONSIBILITY	Cost
		eye out for elements that may threaten public health and safety during construction.		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	-Dikili Municipality -Contractor	Included in the project budget

Table 12. Operation Phase Monitoring Plan

	ETER TO BE NITORED	LOCATION OF THE PARAMETER	MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING	CORPORATE RESPONSIBILITY	Cost
Waste Manage ment	Municipal waste, Packaging Waste	In the operation area	Observational Audit and Recording, Grievance 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	- Dikili Municipality	Included in the project budget
	Hazardous Wastes	In the operation area	Observational Audit and Recording, Grievance records	Continually	Ensuring compliance with the Waste Management Regulation, IFC Environmental, Health and Safety Guidelines: Waste Management	- Dikili Municipality	Included in the project budget









	ETER TO BE	LOCATION OF THE PARAMETER	MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING	CORPORATE RESPONSIBILITY	Cost
	Other Wastes (Battery, Battery, etc.)	In operation area	Recording the Delivery to Recycling Companies, Grievance records	Continually	Regulation on the Control of Waste Batteries and Accumulators, IFC Environmental health oath Safety Guidelines: Waste Management	- Dikili Municipality	Included in the project budget
	onal Health and Safety	In all studies	Observation and supervision, Grievance records	Continually	Ensuring compliance with Labor Law and Regulations, IFC Environmental, Health and Safety Guidelines: Occupational Health and Safety	- Dikili Municipality	Included in the project budget
Labor ar	nd Labor Flow	In all studies	Inspection of inappropriate working conditions, child labor, unregistered employment Grievance records	Continually	Ensuring compliance with Labor Law and Regulations, IFC Environmental, Health and Safety Guidelines: Occupational Health and Safety	- Dikili Municipality	Included in the project budget
Wa	aste water	Septic tank	Analysis, Grievance records	During the construction phase	Water Pollution Control Regulation, IFC Environmental, Health and Safety Guidelines: Wastewater Management	- Dikili Municipality	Included in the project budget
Grievano	ce 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	- Dikili Municipality	Included in the project budget
Clim	ate Change	In all studies	Calculation of greenhouse gas emissions reduced within the scope of the project (documentation control)	Annually	Adapting to Climate Change / Reducing greenhouse gas emissions	- Dikili Municipality	Included in the project budget
	ealth and Safety ity Engagement	In all studies	Documentation control Grievance records	Monthly	Examining grievance records, Keeping training records, Preparation of exercise reports	- Dikili Municipality	Included in the project budget









PARAMETER TO BE MONITORED	LOCATION OF THE PARAMETER	MONITORING METHOD	VIEWING FREQUENCY	REASON FOR WATCHING	CORPORATE RESPONSIBILITY	Cost
		Examining security records and keeping an eye out for elements that may threaten public health and safety during construction.		Archiving of Accident Registration, Meeting and Announcement Minutes IFC Environmental Health and Safety Guidelines: Community Health and Safety		

















6. Stakeholder Participation

A stakeholder can be defined as any person, institution or group that has an interest/share in the project and its impacts. The purpose of stakeholder identification is; It is the identification and prioritization of project stakeholders, who may be directly or indirectly, negatively or positively affected by the project, or who are not directly affected but may be interested in the project, 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 project performance, project development and investment plans and their implementation. Stakeholder engagement is an activity that will continue throughout the planning, construction, operation and closure phases.

The people who will be primarily affected by the project are the people living in settlements close to the project route. Within the scope of the project, the land preparation and construction process will last 1 month. The total installation time of the project is expected to be 8 weeks. If needed within the scope of the project, local personnel will be employed.

During the transportation of the panels within the scope of the project, there will be temporary effects that will directly reflect on the public, such as increasing the traffic load, creating dust emissions, and noise emissions from working machinery and equipment.

It is important to make particular efforts to identify disadvantaged and vulnerable stakeholders who may be differently or disproportionately affected by the project or who may have difficulty participating in the participation and development process. Stakeholder identification is also an ongoing process and will require regular review and updating.









The stakeholder analysis table determined within the scope of the project in question is given below.

Table 13. Stakeholder Analysis Table

Parties Affected by the Project	Project implementers, on-site and nearby settlements and people living there
Other Interested Parties	World Bank İlbank Ministry of Environment, Urbanization and Climate Change Energy and Natural Resources Ministry Izmir Governorship Provincial Directorate of Environment, Urbanization and Climate Change Dikili District Governorate Ilbank Izmir Regional Directorate Dikili Municipality Türkiye Electricity Distribution Inc. GDZ Electricity Distribution Inc. The contractor Advisor
Final Beneficiary	Dikili Municipality Neighborhoods and people living in the project area and nearby settlements

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 Project during the construction and operation phase of the Project; a grievance mechanism will be prepared to cover all complaints expressed by internal and external stakeholders, including the activities of contractors. While the grievance mechanism is being established, a telephone line that will be active 24/7 will be established, and opinions and complaints will be collected by email, 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 grievance 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 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 Grievance Log by assigning a reference number.









³ Environmental & Social Framework for IPF Operations

Contact channels for formal complaints are provided below.

Dikili Municipality:

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

Website: https://www.izmir-dikili.bel.tr/
baskanlik@izmir-dikili.bel.tr

Phone number: 0 (232) 671 40 20

Official letter: Republic Neighborhood, 313 Street No:22 Dikili/Izmir

Presidential Communication Center:

Presidential Communication Center (CIMER) provides a central complaint system for Turkish citizens, legal entities and foreigners. CIMER will be offered to Project stakeholders as an alternative and well-known channel to convey their complaints and feedback regarding the Project directly to government authorities.

Website: <u>www.cimer.gov.tr</u>

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 (YIMER) offers a central complaint system for foreigners. YIMER will be offered to foreign stakeholders of the Project as an alternative and well-known channel to convey their complaints and feedback regarding the 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: <u>bilguidb@ibank.gov.tr</u> andetikuidb@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) Kizilirmak Neighborhood, Ufuk University Street, No:12 Cukurambar - Cankaya / 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.

- Complaint 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 Redressal 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 redressal 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.







Table 14. 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-15). 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.
	Complaints will be recorded with the Complaint Form (See Annex-14). All complaints will be recorded within two (2) days and feedback will be given to the complainant.
Complaint Registration	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 Complaints	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.
Complaint 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 complaint closing form (See Annex-16). 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 Complaint Cannot Be Resolved	The project complaint 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-17). 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.







The Grievance Form, Starting Work Information Letter, Grievance Close-Out Form and Consultation Form prepared within the scope of the Grievance Mechanism are attached (See Annex-14, Annex-15, Annex-16, Annex-17).

7. Attachhments

Parcel Area Coordinates
Location Map
Land Title
Project Area Photos
Connection Agreement
Izmir No. 2 Cultural Heritage Preservation Regional Board Letter
Izmir Governorship Provincial Directorate of Agriculture and Forestry Letter
SPP Aluminum and Steel Carrier System Static Calculation Report
Dust Emission Mass Flow Calculation
Noise Calculation
Topographic Map
Energy Transmission Line Route
Project Area Transportation Route
Grievance Opening Form
Information Letter on Starting Work
Grievance Close Out Form
Consultation Form
EIA Not Required Letter
Minutes of Public Participation Meeting

ANNEX-1 PARCEL AREA COORDINATES

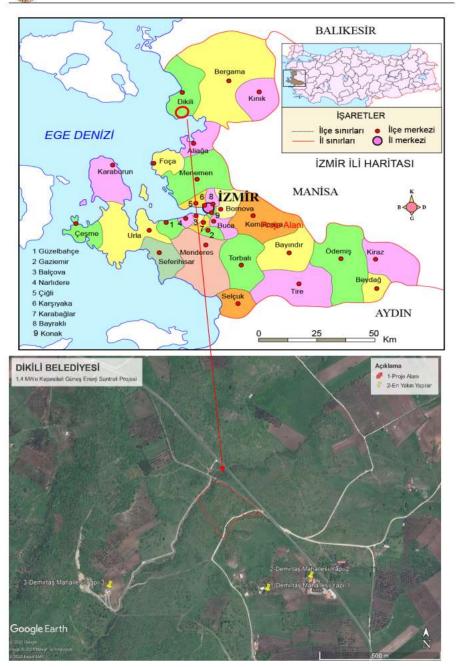


CED İzin Alanı Koordinatları

Koor. Sırası	Sağa -	Yukarı	Koor. Sırası	Enlem - Boylam	
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2	495002,89	4318237,00	39,01153	26,94173	
3	495034,05	4318235,87	39,01152	26,94209	
4	494960,50	4318299,18	39,01209	26,94124	
5	494876,56	4318360,27	39,01264	26,94027	
6	494863,58	4318369,15	39,01272	26,94012	
7	494843,68	4318378,04	39,01280	26,93989	
8	494766,57	4318297,08	39,01207	26,93900	
9	494877,28	4318131,66	39,01058	26,94028	
10	494898,09	4318178,26	39,01100	26,94052	
11	494916,29	4318207,10	39,01126	26,94073	
12	494928,42	4318219,30	39,01137	26,94087	
13	494946,61	4318229,27	39,01146	26,94108	
	TOPI	AM ALAN = 2,80 ha	a (28.000 m ²)		

ANNEX-2 LOCATION MAP





ANNEX-3 LAND TITLE

BU BELGE E-BELEDIYE BILGI SISTEMI ÜZERINDEN SUllan ALKIŞ TARAFINDAN 17.01.2023 11:31:44 OLUŞTURULMUŞTUR.

TAPU KAYIT BILGISI

THE G PATTI DIEGIO	II.		
Zemin Tipi:	AnaTasınmaz	Ada/Parsel:	136/1
Taşınmuz No	120376568	AT Yüzölgüm(m2):	27778,98
Miçe	IZMIR/DIKILI	Bağ.Böl Nitelik:	
Kurum Adı	DMINDIKILI	Blok/Kat/Girig/BBNo:	
Mahalle/Köy Adr.	DEMIRTAS M	Arsa Pay/Payda:	
Mevkii:	Balet	Ana Taşınmaz Niteliic	Tada
Clit/Sayfa No:	11/1081	Kayıt Durum:	Aktif

TASINMAZA AİT SERH BEYAN İRTİFAK BİLGİLERİ

S/B/I	Açıklama	MallioLehtar	Tesis Kurum-Tarih-Yevmiye Terkin Sebebi-Tarih-Yevmiye
Serfi	2942 SAYILI KANUNUN 31/B MD. KAMULAŞTIRILMIŞTIR		Dikili-4.03.1985 00:00:00-286 -
	04/03/1985 Y: 286	GENEL MUDURLUGU VKN-5230028459	And the second s

MÜLKİYET BİLGİLERİ

Hisse No	Matik	El Birliği No	Hisse Pay/Payda	Metrekare	Toplam Metrekare		Terkin Sebebi- Tarib-Yevmiye
650009729	(SN:2859098) DİKİLİ BELEDİYESİ - (İZMİR) VKN:2960010951	a	1.000/1.000	27778,98	27778,98	ligili Kurumun Yazisi-15.03.2022 14:20:12-4256	

BU BELGE E-BELEDIYE BILGI SISTEMI ÜZERINDEN Süllin ALKIŞ TARAFINDAN 17.01.2023 11 31:47 OLUŞTURULMUŞTUR

ANNEX-4 PROJECT AREA PHOTOS







ANNEX-5 CONNECTION AGREEMENT

CONTRACTOR OF THE PROPERTY OF

Uretici No: 700162781 Tarih: 23.02.2022

Sayısı: 11 0352 023 024

Bu Anlaşma; isim veya unvanı ile kanuni ikametgah adresi aşağıda belirtilen Üreticiye ait Elektrik Piyasasında Lisanssız Elektrik Üretimine ilişkin Yönetmelik kapsamında kurulmuş üretim tesisinin 4628 sayılı Elektrik Piyasası Kamını (Kanun) ve 5346 sayılı Yenilenebilir Enerji Kaynaklarının Elektrik Enerjisi Üretimi Amaçlı Kullanınına İlişkin Kanun (YEK Kanunu) ile bu kanunlar uyarınca çıkarılmış ikincil mevzuat uyarınca dağıtım sistemine bağlanması için gerekli hüküm ve şartları

Taraflar:

Dağıtım Şirketi: GDZ EDAŞ

Ûretici: DIKILI BELEDIYESI

Kanuni Adresleri:

Demirtaş Mah. 1109 Parsel Dikili/İZMİR

Idullah Zéhin SARIKAYA

Temsile Yetkili Kişiler lmzalar:

FATİH GÜLDALI STERI HIZMETLERI DIRENTORU

AYSUN TABAK PİYÂSA JŞLEMLERÎ MÜDÜRÜ

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

Dağıtını Şirketinin numarası yazılır, Numaralar 17/3/2004 tarih ve 2004/3 sayılı YPK Kararının 2 numaralı ekine göre belirlenir. Numaralar iki haneli olarak yazılır.

Dağıtım bölgesindeki ilin trafik plaka kodu yazılacaktır.

Dagitim doigesindeki ilin tratık piasa kodu yazınıcasın.
Üretim kaynak kodu yazılır. Busa göre rüzgar için 01, güneş için 02, hidrotik için 03, jeotermal için 04, biyogaz için 05, biyokütle için 06, doğalgaz için 07, rüzgar+güneş için 10, biyogaz+güneş için 11, biyogaz+doğalgaz için 12 kodları kullanılacaktır. Hibrit üretim tesisi kapsamında burada belirtilenlerden farklı bir kaynak kompozisyonu durumunda EPDK görüşü alımır.

Abone grubu kodları kullanılacaktır. Buna göre mesken için 01, ticarethane için 02, tarımsal sulama için 03, içme ve kullanının suyu için 04, sanayi için 05, diğer 1 için 06, diğer 2 için 07, mesken+ticarethane için 08, mesken+sanayi için 09, ticarethane+sanayi için 10, mesken+ticarethane+sanayi için 11, mesken+tarımsal sulama için 12, içme ve kullanma suyu+ticarethane için 13 kullandacaktır. Tüketim birleştirme kapsamında burada belirtilenlerden farklı bir abone kompozisyonu durumunda EPDK görüşü alınır.

APPENDIX-6 IZMIR NO. 2 CULTURAL HERITAGE PRESERVATION REGIONAL BOARD LETTER





KÜLTÜR VE TURİZM BAKANLIĞI

Kültür Varlıkları ve Müzeler Genel Müdürlüğü İzmir 2 Numaralı Kültür Varlıklarını Koruma Bölge Kurulu Müdürlüğü

Sayı :65258934-165.02.02[35.05/929]Konu :İzmir İli, Dikili İlçesi, Demirtaş
Mahallesi 1109 Parsel Hk (35.05/929)

DİKİLİ BELEDİYE BAŞKANLIĞINA

İlgi : a) 17.03.2020 tarihli ve 86396801-115.01.02-3551 sayılı yazınız.
 b) 06.04.2020 tarihli ve 65258934-165.02.02[35.05/929]-E.293276 sayılı yazımız.

İzmir- Dikili Kültür ve Turizm Koruma ve Gelişim Bölgesi sınırları içerisinde ve mülkiyeti Dikili Belediye Başkanlığına ait olan Demirtaş Mahallesi 1109 parselde yapılması planlanan güneş enerji santraline yönelik hazırlanacak olan 1/5000 ölçekli Nazım İmar Planı ve 1/1000 ölçekli Uygulama İmar Planı çalışmalarına veri teşkil etmesi amacıyla ilgili kurum ve kuruluş görüşlerinin alınması gerektiği, Bu amaçla, anılan plan çalışma sınırının işlendiği haritalrın iletilerek alana ilişkin kurum görüşü talep edilen ilgi (a) yazı ve ekleri incelenmistir.

Müdürlüğümüz arşivinde yapılan incelemede, İzmir ili Dikili ilçesi Demirtaş Mahallesi Mahallesinde bulunan 1109 parsel numaralı taşınmaza ilişkin 2863 sayılı yasa kapsamında bugüne kadar tespit ve tescili yapılmış herhangi bir kültür varlığı veya tescil kararına rastlanmamıştır.

Ancak alanda yapılacak olan çalışmalar sırasında herhangi bir kültür varlığına rastlanılması halinde uygulamanın derhal durdurularak en yakın Mülki İdare Amirliğine veya Müze Müdürlüğüne haber verilmesi gerekmektedir.

Bilgilerinizi ve gereğini rica ederim.

Deniz DURDU Müdür V.

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



ANNEX-7 IZMIR GOVERNORSHIP PROVINCIAL DIRECTORATE OF AGRICULTURE AND FORESTRY LETTER



T.C. İZMİR VALİLİĞİ İl Tarım ve Orman Müdürlüğü

: E-67970180-230.04.02[230.04.02]-964089 Sayı : (Dikili Belediyesi- GES) Demirtaş 1109 Konu

parsel hk

IZMİR ÇEVRE VE ŞEHİRCİLİK İL MÜDÜRLÜĞÜN

(Çed Hizmetlerinden Sorumlu Şube Müdürlüğü)

: a) 17.03.2021 tarihli ve E-48657465-220.02-527337 sayılı yazınız. Ilgi

> b) İzmir Valiliği (Arazi Toplulaştırma ve Tarımsal Altyapı Şube Müdürlüğü)'nin 14.01.2020 tarihli ve 67970180-230.04.02[230.04.02]-E.133943 sayılı yazısı.

İzmir İli, Dikili İlçesi, Demirtaş Mahallesi adresinde, tapunun 1109 numaralı parselinde Dikili Belediye Başkanlığı tarafından yapılması planlanan "1,4 MWe Kapasiteli Güneş Enerji Santrali Projesi" için hazırlanan ve Müdürlüğümüze sunulan Proje Tanıtım Dosyası ÇED (Çevresel Etki Değerlendirmesi) Yönetmeliği çerçevesinde inceleme değerlendirme süreci başlatıldığı belirtilerek 4342 sayılı Mera Kanunu, 5403 Toprak Koruma ve Arazi Kullanımı Kanunu ile 3573 sayılı Zeytinciliğin İslahı ve Yabanilerinin Aşılattırılması Kanunun kapsamında faaliyetin gerçekleştirilmesinin herhangi bir sakıncasının bulunup bulunmadığının tüm mevzuatınız açısından değerlendirilerek, ilgi (a) yazı ile kurum görüşü istenmiştir.

Talep alanı Dikili İlçesi Demirtaş Mahaflesi 1109 parselde kayıtlı bulunan toplam 2,8 hektar "Kuru Marjinal Tarım" (KTA) arazisi niteliğinde olup "Güneşten Elektrik Üretimine Yönelik Tesis" kurulması ile ilgili 13.01.2020 tarih ve 67970180-230.04.02[230.04.02]-E.133943 sayılı ilgi (b) yazımız ile Dikili Belediye Başkanlığına vermiş olduğumuz görüş geçerli olup, taşınmaz 5403 sayılı kanun kapsamında olup 4342 sayılı Mera Kanunu ve 3573 sayılı Zeytinciliğin İslahı ve yabanilerin Aşılattırılması hakkındaki Kanunlar kapsamı dışında kalmaktadır.

Gereğini ve bilgilerinizi rica ederim.

Hulusi DOĞAN Vali a. Vali Yardımcısı

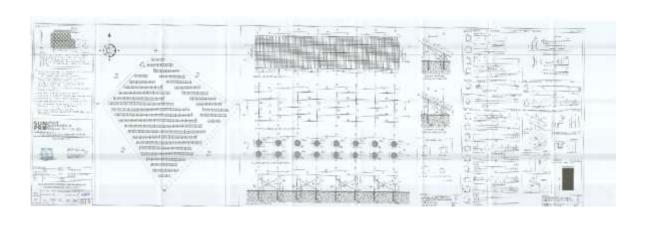
Doğrulama Kodu: 7AF13B3D-5899-4DAB-9326-DB59ED94E169 Doğrulama Adresi: https://www.turkiye.gov.tr/tarim-ebys-Bilgi için:Levent BİLİCİ p

İzmir İl Tarım ve Orman Müdürlüğü Kazım Dirik Mahallesi Sanayi Caddesi No:34 35100 Bornova / İZMİR

Tel: (0232) 435 10 02 Faks: (0232) 462 24 93 E-Posta: izmir@tarimorman.gov.tr Kep: tarimveormanbakanligi@hs01.kep.tr



ANNEX-8 SPP ALUMINUM AND STEEL CARRIER SYSTEM STATIC CALCULATION REPORT



ANNEX-9 DUST EMISSION MASS FLOW CALCULATION

Mass Flow Calculations Emission Factors (SKHKKY)

PROCESS	EMISSION FACTOR			
PROCESS	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 30 days. 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 4.000 m³ 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) =
$$[4.000 \text{ m}^3 \text{ x } 1,7 \text{ tons/m}^3 \text{ x } 0,0125 \text{ kg/ton}] / [30 \text{ day x } (12 \text{ h/gün})]$$
 = **0,24 kg/hour**

Uncontrolled

Dust Emission (**E**₁) =
$$[4.000 \text{ m}^3 \text{ x } 1,7 \text{ tons/m}^3 \text{ x } 0,025 \text{ kg/ton}] / [30 \text{ day x } (12 \text{ h/gün})]$$
 = **0,48 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 =4.000 m
$$^{3}/3$$
 m = 1.333,33 m 2 = **0,13 ha**

Controlled

Dust Emission (E₂) =
$$0.13$$
 ha x 2.9 kg/ha.day x (1 day/24 hours) = 0.02 kg/hours

Uncontrolled

Dust Emission (E₂) =
$$0.13 \text{ ha x } 5.8 \text{ kg/ ha.day x } (1 \text{ day/24 hours})$$

= 0.04 kg/hour

Total Emission (Controlled);
$$= E_1 + E_2$$

= 0,24 + 0,02

= 0.26 kg/hour

Total Emission (Uncontrolled); $= E_1 + E_2$

= 0,48 + 0,04 = 0,52 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 0,52 kg/hour, air quality modeling was not needed within the scope of the construction phase of the project

ANNEX-10 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 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 = $7.4 \times 10-8 \times f2 \times r / \phi$

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.

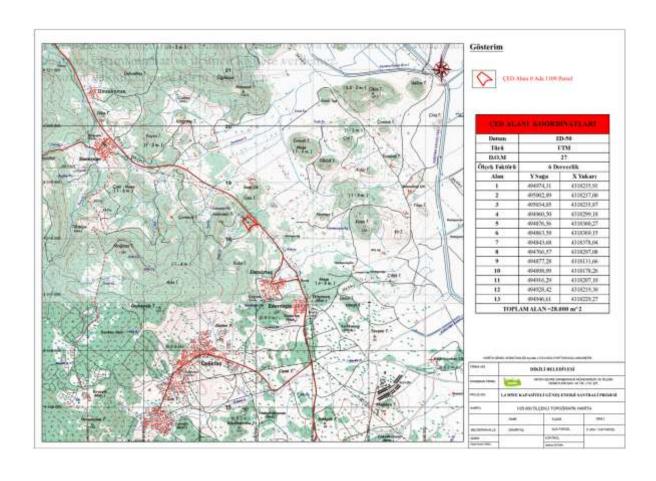
$$L = L_{pt} - A_{atm}$$

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.

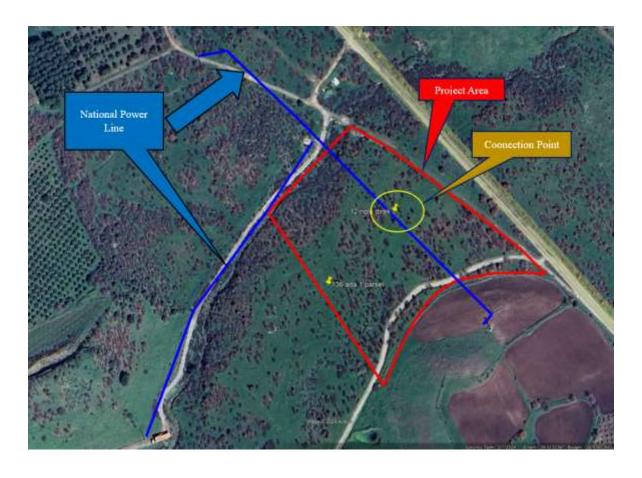
Equivalent Noise of your level To the distances According to Distribution

Distance (m)	25	50	one hundred	200	300	500	750	one thousand
L spouse	38.6	37.5	36.3	34.8	-	-	-	-

ANNEX-11 TOPOGRAPHIC MAP



ANNEX-12 ENERGY TRANSMISSION LINE ROUTE





ANNEX-13 PROJECT AREA TRANSPORTATION ROUTE



ANNEX-14 GRIEVANCE FORM

DIKILEDIYES

DİKİLİ MUNICIPALITY

SOLAR POWER PLANT PROJECT

GRIEVANCE FORM

Z D I	
Person Filling Out the Form:	Date and time:
Meeting Agenda:	Reference No: Dikili Municipality- Project Code- 0001-2
1. INFORMATION ABOUT THE COMPLAINANT	
Name surname:	How the Grievance Arrives:
TC Identification number:	Telephone / Toll Free Line
Telephone:	Face to Face Meeting
Address:	Website / Email
Email:	Other (Explain)
Stakeholder Type	
State agency PEB State agency	PEB State agency
Interest Groups Industrial Unions Interest Groups	Industrial Unions Interest Groups
2. DETAILED INFORMATION ABOUT THE GRIEVANCE	
Description of the grievance:	
Solution method requested by the complainant	

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

ANNEX-15 INFORMATION LETTER ON STARTING WORK

Dear Demirtas 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 Dikili 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 Izmir Metropolitan Municipality Transportation Department will be notified to your neighborhood headman'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-16 GRIEVANCE CLOSE OUT FORM

DIKILI MUNICIPALITY



SOLAR POWER PLANT PROJECT

GRIEVANCE CLOSE OUT FORM

Reference No: DIKIII Munici	pality- Project Code-0001-2
1. DETERMINING COR	RRECTIVE ACTION
1	
2	
3	
4	
5	
Responsible Departments	
2. TERMINATION OF	THE GRIEVANCE
This section will be filled and signed by the complainant if the complaint specified in the "Complaint Registration Form" is resolved.	
Complaint Close Out Date:	Name and Surname / Signature of the Person Who Closed the Complaint: Name and Surname / Signature of the Complainant:
//	

ANNEX-17 CONSULTATION FORM

DIK LEDIYES

DIKILI MUNICIPALITY

SOLAR POWER PLANT PROJECT

PELEDIYES	CONSULTA	ATION FORM		
Person Filling Out the Form:	Date and time:			
Meeting Agenda: Interview Registration Numb Dikili Municipality / Project 0 0001-2				
1. INTERVIEW INFORMATION				
Interviewed Institution:		Form of Communication		
Name and Surname of the Interview	vee:	Telephone / Toll Free Line		
Telephone:		Face to Face Meeting		
Address:		Website / Email		
Email:		Website / Email Other (Explain)		
	Stakeholder Type			
State agency PEB	State agency PEB	State agency		
Interest Groups Industrial Uni	ions Interest Groups Indu	strial Unions Interest Groups		
2. INTERVIEW DETAILS				
Questions about the project:				
Concerns/feedback regarding the project:				
Responses to the views expressed above:				

ANNEX-18 EIA NOT REQUIRED LETTER





GUNLUDUR 30.07.2021

: E-48657465-220.02-1408601 Sayı

Konu : "ÇED Gerekli Değildir" Kararı lık.

DİKİLİ BELEDİYE BAŞKANLIĞINA Salimbey Mh. 15. Sokak No.4-6 PK, 35980 DIKILI- IZMIR

İzmir İli, Dikili İlçesi, Demirtaş Mahallesi adresinde, tapunun 1109 numaralı parselinde Dikili Belediyesi tarafından yapılması planlanan "1,4 MWe Kapasiteli Güneş Enerji Santrali Projesi" projesi ile ilgili olarak hazırlanan ve Müdürlüğümüze e-ÇED sistemi üzerinden sunulan Proje Tanıtım Dosyası incelenmiş ve değerlendirilmiştir. 25.11.2014 tarih ve 29186 sayılı Resmi Gazete'de yayımlanarak yürürlüğe giren ÇED Yönetmeliği uyarınca söz konusu projeye Valiliğimizce 29/07/2021 tarih ve E-2021312 sayılı "Çevresel Etki Değerlendirmesi Gerekli Değildir" Kararı (Belgesi) verilmiştir.

Söz konusu projeye ilişkin olarak hazırlanan 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, ayrıca projede yapılması planlanan değişikliklerin Valiliğimize (Çevre ve Şehircilik II Müdürlüğü) iletilmesi gerekmektedir.

Bilgilerinizi ve gereğini rica ederim.

Ömer ALBAYRAK Vali a. Cevre ve Schircilik II Müdürü

Ek: "CED Gerekli Değildir" Belgesi (1 Sayfa)

Dağıtım:

Gereği:

Dikili Belediye Başkanlığına Salimbey Mh. 15. Sokak No.4-6 PK. 35980

DİKİLİ-İZMİR

Bilgi:

NETEN CEVRE DANIŞMANLIK MÜHENDİSLİK VE ÖLÇÜM HİZMETLERİ SAN.TIC.LTD.\$TLNE Mürsel Uluç Mah. 948. Cad. No:69 / B ÇANKAYA

/ ANKARA

E-posts ; izmir@csb.gov.tr Internet Adresi : izntir.csb.gov.tr Telefun No:(232) 341 68 00-

ANNEX-19

Minutes of Public Participation Meeting



This project is co-funded by the European Union, the Republic of Turkey and the World Bank Bu Proje Avrupa Birliği, Türkiye Cumhuriyeti ve Dünya Bankası tarafından ortaklaşa finanse edilmektedir

SUSTAINABLE CITIES PROJECT – II OF ADDITIONAL FINANCING

DİKİLİ MUNICIPALITY SOLAR POWER PLANT PROJECT

Minutes of Public Participation Meeting

Meeting Date: 10.09.2024

Meeting Venue: Mustafa Kemal Atatürk Cultural Center









PUBLIC PARTICIPATION MEETING

Dikili Municipality SPP Project is among the subprojects within the scope of Sustainable Cities Project-II Additional Financing (SCP-II-EF), which was created to support sustainable development in cities in Türkiye.

The Environmental and Social Management Plan (ESMP) was prepared in accordance with the requirements of the World Bank's Safeguard Policies including Operational Policies (Ops), WBG General EHS Guidelines and Industrial Sector Guidelines, ILBANK's ESMF and the Environmental Legislation of the Republic of Türkiye and the public participation meeting was held on 10.09.2024 at 14:00 in the Mustafa Kemal Atatürk Cultural Center of the Dikili Municipality.

1.1. Meeting Summary

The Dikili Municipality public participation meeting started with the opening speech of Deputy Mayor Abdullah Şahin Sarıkaya. Detailed information was provided by the consultant company representative Aydın Güvenç about the process and content of the reports prepared for the implementation of the sub-project. The benefits that the sub-project will provide to the municipality and the local people were mentioned.

Within the scope of the PID reports, the area where the sub-project will be established (as a neighborhood, block and parcel), project power, equipment to be used and technical specifications, the annual production of the project were mentioned and information was given that the legislative obligations were met.

Within the scope of the ESMP; the consultant company representative Aydın Güvenç conveyed the environmental and social risks of the sub-project from the content of the ESMP Report, the works planned to prevent the said risks, the effects of the geographical location of the region where the project will be located and the climate conditions on the project and the analyses made on possible natural disasters. Considering the proximity of the area where the power plant will be built to the nearest settlement (2 km), Dikili Municipality officials were discussed. It was reported that the officials were informed that the local people were seasonal and that this would not pose much of a problem. In line with the information provided, the meeting was concluded with questions and answers and lasted approximately 1 hour.

1.2. Question and Answer Section

Question 1.			
Name / Occupation	Hasan Sümbül / Dikili Municipality Editor in		
	Chief		
Can we grow truffles under the panels used in th	e power plant?		
Answer 1.			
Name / Occupation	Aydın GÜVENÇ / Electronics and		
	Communication Engineer (ÇA Engineering)		
Unfortunately you cannot do this because there is high current and voltage and we cannot take			
responsibility for this.			

Question 2.	
Name / Occupation	Naime Nur / Dikili Municipality Officer
Will the trees on site be cut down during the pro	ject construction phase?
Answer 2.	
Name / Occupation	Aydın GÜVENÇ / Electronics and
_	Communication Engineer (ÇA Engineering)
No, the municipality has made a decision to mo designated land.	ve the trees and they will be planted back on the

Question 3.				
Name / Occupation	Ceylan Sarı / Employee (Dikili Municipality)			
Will this project have any impact on citizens' electricity bills?				
Answer 3.				
Name / Occupation	Aydın GÜVENÇ / Electronics and			
	Communication Engineer (ÇA Engineering)			
The electricity subscriptions belonging to the municipality and used in the invitation letter are offset. Therefore, there will be no change in the electricity bill of the citizens.				

Question 4.	
Name / Occupation	Hilal Karanfil / Dikili Municipality Planning
_	and Urbanization Directorate Staff
Will our living space be affected by the power pl	ant?
Answer 4.	
Name / Occupation	Aydın GÜVENÇ / Electronics and
_	Communication Engineer (ÇA Engineering)

Of course not, it will not be installed in an area that will affect your living space. Also, since it will be surrounded by wire mesh for security, there will be no entrances inside.

1.3. Meeting Conclusion

The Public Participation Meeting lasted approximately 1 hour, with the consultant company officials providing information about the project and Q&A. Information was provided on the environmental, social and economic dimensions of the Dikili Municipality SPP project, as well as the next stage of the project. The meeting was concluded after consultation with the participants' opinions and suggestions.

1.4. Participant List

TOPLANTI KONUSU	SSP-II E			LANTISI TUTANAĞI nerji Santrali Projesi Payda	ş Katılım Toplant	işi
OPLANTI YERI TARIH VE SAAT	Mustafa Kemal Atatürk Kültür Merkezi / 10.09.2024 14:00					
	NO	İsim Soyisim	Meslek	Yerleşim Yeri		lmza
KATILIMCILAR	12347567891011213456611522222222			Dieti Dieti	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

ATTACHMENTS

2.1. Annex-1: Photo of the Public Participation Meeting (10.09.2024)



2.2. Annex-2: Newspaper Advertisement (Newspaper Announcement Date Cumhuriyet Newspaper-29.08.2024/ Yenigün Newspaper-30.08.2024)



ilk 100'lük listelere giren 73 gelir ile 34 kurumlar vergisi rekortmeni kendini sakladı Ergin Yıldızoglu Adını gizleyen gizleyene

ekonomide hastaliga işaret ettiğini vurgularken Prof. Dr. Elif Ydnazı gelir dağılımındaki bozulmaya dikkat çekti.



Ils. 100 kajarda 7511 kurumine venjisi libenindiski ilk 100 pirkubin ko: 34'û adam giriseli. Bu sayalar 2022 venji diisama için marayla 75 vo: 33'di. Yine 2023 için = railyun 541 kin 644 amikelle pelei venjisi. 1 milyan 113 bin 944 mikelide ke kumumlar

diri, diri, sekiz, dekar ve semana serakkiler i nishterin i gilarben Key Teplatigir hitar lyek Kerey [2223 milyes Til, begiard, Gener Key [26] it sullyen Til, yodinci semale yer alia. Kummlar serajoinele ise ilk semale yer alia. Kummlar serajoinele ise ilk semale prakaja did. Bi yal bariaci serak 22.7 milyer Til tariakishi iki Kernal Ilmikoa yer alia. Zirand [21] o milyer Ti. ile Garanti BibVa, 126 milyer Ti. ile Garanti BiVa, 126 milyer Ti. ile Garanti BiVa, 126 milyer Ti.



'Nereden buldun?'dan kaçış

Ah! 1.5 C ve rhiamurlar!

Ihlamur

çiçeklerine ve dünyanın sonuna dair

Artık çok mu geç!

Sanayide 'iflas' korkusu

Hakkını arayan emekçi kazandı

Hataları hafife aldık



Protestolu senet yüzde 144.6 arttı

DIKILI BELEDIYESI GÜNEŞ ENERJİ SANTRALİ PROJESİ HALKIN KATILIM TOPLANTISINA DAVET

Topianti Yeri Ve Tarihi

BAĞLI İLİ /	YER	TARIH VE. SAAT
IZMR (DKILI	Microria Kerryal Allebürk Külbür	10/09/2024
	Merkezi, Cumhuriyet Mehallesi 313 Sokek No: 6 Dérè i Izmir	14:50

'Destekler hayal kırıklığı yarattı'

Altın ihracatında hareketlilik var!

ALTIN diş tiçareti, firanat yürdü olanak bir kez daha yükselişe geçti. TÜR'in dan şayınladığı." Dış Ticaret biratinitikleri, Terensuz 2024' raporunun detaylarına Terrerusz 2004 raporarum himajianna, gibre terreruszla, gegeny idin ayra syrne iyayala altırikirasıb yalatı 414 atriplası 730.9 rolgon tidar, altırı tihadirilər pisteli 63.1 dağışde 1914, rolgon deleri din. Bi yali aylatı ba binacat yalatı 22 artışla 1.7 rolgan dalan aqarben titibatı yalatın 94.5 cünşişle ili. 8 rolgan ciolanda kaldı

Fehmi Köfteoğlu aramızdan ayrıldı

Tasanm: Nedirn Kirtis

13'üncü Şakir Süter Gazetecilik Yarışması'nda Yenigün'e iki ödül

Bergamalı gazeteci - yazar Şakir Süter anısına bu yıl 13'üncüsü düzenlenen gazetecilik Yarışmasında, Yenigün gazetesinden Kenan Yeşil ve Utku Beycan ödüle layık görüldü

HABER MERKEZİ

İzmir Gazeteciler Cemiyeti (İGC) ve Bergama Belediyesi iş birliğinde bu yıl 13. kez Sakir Süter Gazetecilik Yarıs-



ması'nda ödüle layık görülen isimler belli oldu. İzmir Gazeteciler Cemiyeti'nin yarışmasına bu yıl Bergama Belediyesi, Bergama Ticaret Odası ve Bergama Kültür ve Sanat Vaklı destek verdi. 57 eserin katlıdığı yarışmanın koordinatörlüğinü izmir Gazeteciler Cemiyeti yönetimi adına Genel Sekreter Reşat Yörük yaptı. Jüride ise idc. Üyeleri Gönül Soyoğul. Vesrin Coşkun, Sadık Pala, Ege Üniversitesi İletişim Fakültesi Genel Gazetecilik Anabilim Dalı Başkam Doc. Dr. Çığdem Dirik, Gazeteci Oben Ulu, Bergama Belediyesi Özel Kalem Müdürü Seyhan Sarıca Kellle ve Bergama Belediyesi Özel Kalem Müdürü Seyhan Sarıca Kellle ve Bergama Belediyesi Basın Danışmanı Gazeteci Ser-

dar Yiğitol yer aldı. Yarışmada Yenigü gazetesi Haber Müdürü Kenan Yeşil, "Adalet Yolda Kaldı" başlıldı haberiyle Bergama'yı Sevenler Turizm Derneği Ahmet Ünal Eroğlu Özel Ödülü'nün sahibi oldu.

Yine gazetemizden Utku Beycan da,

'Hastanenin Anavatani Hastaliktan Kiriliyor' başlıklı haberiyle Bergama Belediyesi Özel Ödülü'ne layık görülü. Yarışmanın ödül töreni, 5 Eylül 2024 Perşembe günü Bergama'da İttihat ve Terakki Meydanı Tonoz Bahçe'de yapılacak.





DİKİLİ BELEDİYESİ GÜNEŞ ENERJİ SANTRALİ PROJESİ HALKIN KATILIM TOPLANTISINA DAVET

Dikili Belediyesi ve İller Bankası A.Ş. tarafından Dünya Bankası finansmanı ile yürütüllecek olan
Sürdürülecibili Şehirler Projesi- II Ek Finansman (SŞP-II-EF)
kapsamında İzmir İli Dikili İlçesi sınırları içerisinde yapılması
planlanan Dikili Belediyesi Güneş Enerji Santrali Projesi
(GES) için yürütülen Çevresel ve Sosyal çalışmaları için halkı
bilgilendirmek, görüş ve önerilerini almak, inşaat ve işletme
döneminde paydaşlar ile işbürliği tesis etmek üzere "Halkın Katılım
Toplantısı" düzenlenecektir. Toplantı detayları aşağıda verilmiştir.

Halkımıza saygı ile duyurulur

Toplantı Yeri Ve Tarihi

BAĞLI İLİ/İLÇESİ	YER	TARİH VE SAAT
IZMIR/ DİKİLİ	Mustafa Kemal Atatürk Kültür Merkezi, Cumhuriyet Mahallesi 313 Sokak No:6 Dikili/İzmir	10/09/2024 14:00

PROJE SAHIBI	Dikili Belediyesi
Telefon	0232 671 40 20 - 1403
E-Posta	fenisleri@izmir-dikili.bel.tr
ÇSYP Hazırlayan Kuruluş	ÇA Mühendislik
Telefon	0553 144 08 75

Resmi İlanlar www.ilan.gov.tr'de

(BASIN: 2082429)

UYURU

2485 sicil numaralı SMMM üyemiz Önder CENGİZ; Oda Disiplin Kurulunda kovuşturması devam eden,2023/2249 kovuşturma Esas No'lu dosyası ile ilgili , 16.10.2024 Çarşamba günü saat 10.00'da Odamiz Disiplin Kurulu'nda görüşmeye beklenmektedir.

3179 sicil numaralı SMMM üyemiz Safiye Mukadder AYYILDIZ; Oda Disiplin Kurulunda kovuşturması devam eden,2023/2250 kovuşturma Esas No'lu dosyesi ile ligili , 16.10.2024 Çarşamba günü saat 11.00'da Odamiz Disiplin Kurulu'nda görüşmeye beklenmektedir.

1746 sicil numarali SMMM üyemiz Ahmet Adnan AKGÜN; Oda Disiplin Kurulunda kovuşturması devam eden,2024/609 kovuşturma Esas No'lu dosyası ile ligili , 16.10.2024 Çarşamba günü saat 10.30'da Odamız Disiplin Kurulu'nda görüşmeye baklenmektedir.

Kurulu'nda görüşmeye beklenmektedir.

8213 sicil numaralı SMMM üyemiz Mehmet Ali ÇELİK'e Odamız Disiplin Kurulu,14.12.2022 tarih 2023/124-126 sayılı kararları ile "UYARMA" cezaları vermiştir. Meslek mensubunun bu kararların tebliğinden itibaren 60 gün içerisinde cezaların iptali için Yargıya başvurma hakkı bulunmaktadır. Yönetim Kurulunun 12.03.2024 tarih 077 sayılı kararı gereği ilanen tebliği

7030 sicil numaralı SMMM üyemiz Hasan TİMUR'a Odamız Disiplin Kurulu Karan ile, 20.03.2024 tarih 2023/334 sayılı karan ile "UYARMM" ozasıs vermiştir. Kararın tebliğinden itibaren 30 gün içerisinde tifraz etme hakkı bulunmaktadır. Aksi takdirde karar kendiliğinden kesinleşmektedir. Yönetim Kurulumuzun 28.05.2024 tarih 082 sayılı kararı gereği ilanen tebliğ olunur. İlanen duyurulur.

IZMIR SMMM ODAS 1456 Sok No:15 Alsancak/Izmir

Resmi İlanlar www.ilan.gov.tr'de

(BASIN: 2082244)

2.3. Annex-3: Relevant Documents and Announcements Published on the Yamaçlı Municipality's Official Website (29.09.2024)



2.4. Annex-4: Dikili Municipality Public Participation Meeting Brochure

The Dikili SPP Project ("Project"), is one of the subprojects under the Sustainable Cities Project- II Additional Financing (SCP-II-FE) to support sustainable development in cities in Türkiye. Specifically, the ESP-II EF aims to invest in sustainable urban development and develop project approaches related to the development of renewable energy sources, disaster and climate change mitigation and urban resilience to risk.

The project, financed by the World Bank (WB), will be implemented by Dikili Municipality through liter Bankası A.Ş.

The project aims to contribute to local development by providing clean energy to the water treatment plant in Dikili District by utilizing solar energy and meeting energy needs.

It aimed to meet the electrical energy needs of the district and to reduce the consumption costs of the district by obtaining the energy used from renewable energy sources.

Within this scope, the project will be built with a 30-year use period of the power plant to be established. The SPP project is expected to generate 1,396.47 kWe (1,571.4 kWp) of electricity. The project will be built on an area of approximately 22,500 m² on a parcel of 136 blocks – 1 in Demirtay Neighborhood of Dikili District of IZMIR Province (See Figure 1).

The expected results of the project are as follows:

-The project will provide access to clean, accessible and affordable water in Dikili district of izmir by providing solar energy to the water treatment plant, which accounts for a large portion of the municipality's energy consumption.

 The project will reduce the dependence on fossil fuels for energy and ensure the economic development of the district,

 -The project will contribute to Türkiye's efforts to comply with national and international quality standards in the renewable energy sector.

 By utilizing clean energy sources, a step will be taken in the fight against climate change and will contribute to the environmental and economic wellbeing of local communities.

The construction of the project is planned to be completed in six months

Local people will be prioritized in the recruitment process of the project.

The project will be in line with national legislation as well as good international practices, including WB Safeguard Policies, guidelines, standards and best practice documents. The project will create job opportunities for local residents during the construction and operation phase. It is expected that the construction works of the SPP project will be completed in a fairly short period of time, road closures will be avoided as much as possible, and businesses around the project are not expected to close due to construction activities.



Figure 1: Dikli Municipality SPP Sub-Project Area

An Environmental and Social Management Plan (ESMP) has been developed to manage the expected impacts.

The ESMP is prepared to monitor and assess potential environmental and social impacts and risks over the life of the Project and to propose mitigation measures for significant adverse environmental impacts.

3 4

Monitoring and audit activities to be implemented within the scope of the ESMP will also be defined. Within the scope of ESMP studies, impacts that may occur such as soil and air environments, noise, odor, water resources, wastes, traffic, ecosystem, existing natural disaster risks related to the area where the project will be established, reflection and glare effects that may be experienced due to SPP will be determined and relevant avoidance mitigation measures will be specified.

Monitoring requirements will also be defined and presented in the monitoring tables within the ESMP. Accordingly, during the construction phase of the project, topsoil loss and compression, soil and water pollution due to leaching of pollutants and chemicals into the soil and groundwater, dust emissions, noise during construction of the project and from temporary traffic load, waste generation and occupational health and safety, and during the operation phase, storage and use of chemicals, wastes, noise, reflection and glare impact of the power plant, livelihoods, grievances, community conflicts, stakeholder engagement, occupational health and safety and labor parameters will be monitored in accordance with the requirements set out in the ESMP.

The main institution responsible for the implementation of this Environmental and Social Management Plan (ESMP) is Dikili Municipality, which is also responsible for the construction and operation phases of the project. In addition, various parties (Contractors, Consulting firm, Project Implementation Unit, ILBANK, etc.) will be responsibility for various aspects of the ESMP at different stages of the project. All mentioned activities will be coordinated by Dikili Municipality.

Project documents will also be published on Dikili Municipality's website and will be shared by Dikili Municipality upon request.

Dikill Municipality has established a Grievance Mechanism to receive, resolve and follow up on the concerns and grievances of Project affected communities. All grievances will be effectively received, recorded and responded to within a predetermined timeline and according to their content. Dikili Municipality will be the responsible institution for the establishment and implementation of the Grievance Redress Mechanism. In this context, the communication channels given below can also be used to share expectations, opinions, suggestions and complaints about the project.

Public Engagement Meetings: Dikili Municipality: Telephone: 0 (232) 671 40 20 E-mail: baskanlik@izmir-dikili.bel.tr

All internal and external stakeholders will also have the right to make use of other grievance redress mechanisms, such as the Presidential Communication Certer (CIMER), which is accessible to all project stakeholders and is used nationwide, as an alternative and well-known channel to communicate project-related complaints and feedback directly to government authorities.

- www.cimer.gov.tr
- Call Center :150
- Telephone Number:0312 473 64 94



SUSTAINABLE CITIES PROJECT-II

Dikili Municipality Solar Power Plant Project

Public Engagement Meeting Brochure

10/09/2024 14:00 Mustafa Kemai Atatürk Cultural Center











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