

Environmental and Social Management Plan (ESMP) Checklist

**for Bingöl Municipality
1,197 kWp/ 999.5 kWe Solar Power Plant of
Bingöl Municipality**

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Environmental and Social Management Plan (ESMP) Checklist

Part 1: General Subproject and Site Information

1.a) General	
Associated ILBANK Project	Türkiye Public and Municipal Renewable Energy Project (PUMREP)
International Financial Institution (IFI) Financing the Project	The World Bank
Project's E&S Risk Classification according to WB ESF (2018)	Moderate
Subproject Title	Bingöl Municipality 1,197 kWp/999.5 kWe Solar (Photovoltaic) Power Plant (SPP)
Sub-borrower Name	Bingöl Municipality
Responsible ILBANK Regional Directorate (RD)	Elazığ Regional Directorate
Subproject's E&S Risk Classification according to ILBANK ESMS (2023)	Moderate
Subproject Location	Province: Bingöl District: Centre Neighborhood/ Village: Kültür Parcel/Block no: Lot 798 of block 26
Scope of Subproject and Activity <i>(in case of any changes of the subproject please fill Appendix-12 and submit to ILBANK)</i>	Technology Monocrystalline Photovoltaic System Installed power: 1,197 kWp/999.5 kWe Connection power: 999.5 kWe Annual electricity generation: 1,905.6 MWh/ year Construction Duration: 4 months Operation Duration (Economic life of the Plant): 25 years Number of Construction Workers (at peak, including contractors and subcontractors): 20 Number of Operations Workers (at peak): 3 Planned accommodation: Off-site (rented houses in nearby settlements, etc.)
Energy Transmission Line (ETL)	Grid connection: Existing Bingöl SPP DM substation will be connected. Status of transformer station: Existing Energy transmission line (ETL): 140 m underground cable 1) Sub-project SPP DC Energy Transmission Line, will be connected to the existing Bingöl SPP DM transformer center by being carried within the same parcel for 140 meters via underground cable (See Appendix-1. Site Map)
Access Roads	The sub-project site is adjacent to the Aftor İnali Boulevard road, which is the Diyarbakir-Bingöl ring road, and land transfers will be made from this road. The existing access road previously opened for the solar power plant operating on the same parcel will be used to access the sub-project area. A road will be opened from the side of the existing power plant to access the sub-project area. The construction excavation material within the sub-project area will be leveled by the municipality and the elevation will be lowered, and both areas will be brought to the same elevation. In addition, as an alternative for access to the site, there is a cadastral road in the earth structure passing 50 meters north of the site. This cadastral road reaches the site from the northwest by going around the north of the sub-project area. No new road will be built for the sub-project area (See Appendix-1. Site Map)

<p>Other Associated Facilities:</p> <p>Are there any other associated facilities that are not funded as part of the Subproject and are (a) directly and significantly related to the Subproject, (b) carried out, or planned to be carried out, contemporaneously with the Subproject, <u>and</u> (c) necessary for the Subproject to be viable and would not have been constructed, expanded or conducted if the Subproject did not exist?</p>	No
Existing Permits	<p>-EIA Not Required' Certificate of Provincial Directorate of Environment, Urbanisation and Climate Change dated 22.07.2022 and numbered 202247</p> <p>-FIRAT Electricity Distribution Company's Call Permission Letter dated 14.06.2023 and numbered 155555</p> <p>-Letter dated 23.02.2016 and numbered 2310 of the Provincial Directorate of Agriculture and Livestock</p> <p>-Zoning and Urbanisation Directorate's letter dated 22.11.2023 and numbered 48380</p> <p>Bingöl Municipality Technical Affairs Directorate's Zoning Permit Letter dated 18.02.2025 and numbered 68399</p> <p>(See Appendix-2. Copies of Existing Permitting Documentation)</p>
1.b) Site Description	
Subproject Area	<p>The parcel has an area of 103,300.9 m² and 14,993 m² will be used for the subproject area.</p> <p>Number of parcels to be used: 1</p> <p>Total title deed area of the parcel: 103,300.9 m²</p> <p>Total area to be used by the Subproject (within the fence area): 14,993 m²</p> <p>(See Appendix-1. Site Map): Site Map</p> <p>(See Appendix-4. Photographic Log): Photolog</p>
Who owns the land? Since when?	<p>Bingöl Municipality, 23.12.2013</p> <p>See Appendix-3. Copies of Title Deed(s): Title Deeds</p>
Land Registry Type according to Title Deed (agricultural, pasture, vacant, etc.)	Agricultural
Current Land Use (are there any formal or informal agricultural users, herders, etc.)	No
<p>Other Nearby Facilities and Activities</p> <p>Are there other industrial or commercial activities operated/operating or planned by the Sub-borrower itself or other public or private third-parties in the vicinity of the Subproject or its components/associated facilities?</p>	<p>Lot 798 of block 26 has an existing 1 MW SPP Power Plant, which was installed and commissioned by Bingöl Municipality in 2021.</p> <p>There are construction excavation materials and soil waste materials in the sub-project area. Before the tender, the construction excavation materials and soil in the area will be removed by Bingöl Municipality, the level of the land will be lowered and the site will be leveled.</p>
Area of Influence	<p>The sub-project site, its surrounding settlements (including Kultur Neighborhood), and the access roads are assessed to determine the Impact Area (IA). No major negative environmental or social impacts are expected within the impact area of the sub-project. The closest household that may be affected by the sub-project is the Kültür Mahallesi household located 100 m to the northeast. Agricultural activities are carried out on the land belonging to this household. In addition, agricultural activities are carried out in the parcels adjacent to the sub-project area and wheat has</p>

	<p>been planted. There is also a very small stream flowing 50 meters north of the sub-project area.</p> <p>The potential impacts of the subproject during the construction phase are considered to be short-term and reversible with the implementation of mitigation measures. Temporary deterioration in risks related to air quality, noise, labour, public health and safety, waste management can be expected during the construction phase. Domestic waste, packaging waste of panels and other system equipment (wood, cardboard, plastic, etc.), hazardous waste (chemicals such as paints and solvents and their containers, oily packaging and fabrics, etc.), special waste (waste oils, accumulators and batteries, filters, etc.), excavation and construction waste (scrap, wood, concrete waste, etc.), waste system equipment (panels, cables, electronic devices, etc.) may occur. Impacts will be mitigated or completely eliminated through mitigation measures and management plans. There are no known cultural assets within the subproject area. However, a Chance Find Procedure has been developed and is outlined in appendix (See Appendix-10. Change Notification Form This procedure will be implemented in the event of any unexpected discoveries during the construction phase.</p>
Description of geographic and physical characteristics as appropriate.	<p>The land of Bingöl is predominantly mountainous with peaks exceeding 3000 meters in height. The settlement area of Central District and Kultur Neighborhood is established on the plain, which was formed by the accumulation and storage of sediments of different sizes carried by Bingöl and Bayram streams. These streams are fed by the mountainous regions in the north and south, which have risen compared to their surroundings due to the tectonic fault activities.. Basaltic soils cover a large area in the region where bushes/heathes cover a large area. The main problems arising from the physical geography are earthquakes, mass movements, avalanches and erosion. The sub-project area is a barren, non-rocky, 5% slope land.</p> <p>The annual sunshine duration of the sub-project site is 2719 hours and the radiation values are 1,592 KWh/m². This location benefits from optimal energy efficiency due to its continental climate, low humidity, and high number of sunshine hours..</p>
Description of biological characteristics as appropriate.	<p>Bingöl, where the continental climate is dominant, has a hot summer and cold winter climate due to its openness to the humid-cool air masses coming from the north and the altitude factor. There are meadows showing steppe characteristics in Bingöl. Generally, short grasses and some thorny plants grow in these areas.</p> <p>Since the plant species identified in the Bingöl vicinity and rural areas do not show a wide distribution in the sub-project area and its surroundings, the floristic structure and species composition in the sub-project area do not resemble the surrounding structure. The land structure and vegetation in the project area will only undergo a limited change. It is evaluated that the sub-project, which is planned to be a tolerable change in the ecosystem, will not cause serious damage in terms of plant ecology.</p> <p>Although there is no scientific flora identification study in the region, it is generally accepted that the region hosts the Irano-Turanian biodiversity.</p>

	There is no nationally protected and internationally recognized high biodiversity value areas in the sub-project impact area. Additionally, there are no World Heritage Natural Protected Areas, Biosphere Reserves, Ramsar Wetlands of International Importance, Important Biodiversity Areas or Important Bird Areas.
Description of geological and hydrographic characteristics as appropriate.	<p>Bingöl, located on the North Anatolian Earthquake Zone, is a seismically active region. Due to the influence of the mountains, basalt and andesites are generally found. This volcanic region consists of pits and elevations.</p> <p>Bingöl is very rich in terms of water resources. The main rivers are Murat River, Peri stream and Göynük stream. There are many small lakes called circus opened by glaciers in the region. These rivers and streams are far away from the sub-project area. There are no rivers or water beds in the immediate vicinity of the project area. The nearest water bed is the çeltiksuyu (Gülen¹) stream. It is 2 km on the east of the SPP area.</p> <p>No groundwater was encountered during the studies conducted in the SPP area.</p> <p>Bingöl is located just south of the intersection of the second seismically active zone, which extends between the North Anatolian Earthquake Belt and the Gulf of Iskenderun-Batumi (Caucasus). The sub-project area is located within the 3rd Region ground acceleration (PGA) 0.657 g boundaries according to the Turkey Earthquake Hazard Map. Due to the influence of the mountains, basalt and andesites are generally found.</p>
Description of socio-economic characteristics as appropriate.	<p>The socio-economic structure of Bingöl is predominantly based on agriculture, animal husbandry and forestry which are the main pillars of economic activity. Employment in the agricultural sector accounts for 29%, while the industrial sector represents 19.1% and the employment rate in the services sector is 51.8%. In addition, beekeeping is one of the important sources of income for the local population. There are also limited activities in the manufacturing and construction industries. Various studies are being carried out to increase social and economic development. Socio-economically, the sub-project area is located far from residential areas. Construction activities are in line with the region's focus on sustainable development and energy efficiency, supporting local initiatives for renewable energy and reducing dependency on non-renewable resources.</p> <p>Socio-economically, the sub-project area is located away from residential areas..</p>
If relevant, provide information about the affected settlements.	<p>Closest settlement(s):</p> <ul style="list-style-type: none"> - Kültür neighborhood (with 23,124 population, according to TurkStat, 2024) <p>Closest structure(s) to the Subproject site:</p> <ul style="list-style-type: none"> - There is a residence belonging to Kültür neighbourhood 100 m north of the Sub-Project site.
Locations and distance to nearest sensitive receptors such as health care units, schools?	The closest sensitive receptor to the subproject area is Gazi Primary School, which is 1400 meters away. It is 3000 meters

¹ Ulusal Su Bilgi Sistemi (<https://usbs.tarimorman.gov.tr/portal/>)

	away from Yeşilyurt High School. The places in question are not on the Alt proeje access road route. The access road to the field does not intersect with the school, health center and fire department routes.
Infrastructure services to be used during the life cycle of the subproject (sewage, electricity, water network, etc.)	In Kültür neighbourhood, due to its location, there are electricity, sewerage system, water infrastructure networks. There is no need to construct/renew infrastructure services due to sub-project activities.
1.c) E&S Requirements applicable to the Subproject	
<p>The subproject will be implemented in line with requirements of applicable national legislation and international agreements and conventions to which Türkiye is a party of.</p> <p>The following international standards will also be followed as applicable:</p> <ul style="list-style-type: none"> - WB Environmental and Social Framework (ESF, 2018) and the Environmental and Social Standards (ESSs) forming part of the ESF - Good International Industry Practices (GIIPs) including but not limited to WB Group (WBG) General and Industry Sector Environmental, Health and Safety Guidelines² (EHSGs) - International Finance Corporation (IFC) ESMS Implementation Handbook - ILBANK Environmental and Social Management System (ESMS) <p>In cases where the requirements of the ILBANK ESMS or national legislation differ from those of the WB ESSs or the levels and measures presented outline in the relevant WBG EHS guidelines, the more stringent standard will apply.</p>	

Part 2: Implementation Arrangements

2.b) Implementation Responsibility and Resources
<p>The sub-borrower shall implement and cause the contractor to be adopt and implement this ESMP Checklist satisfactory to ILBANK throughout the sub-financing agreement life cycle.</p> <p>The sub-borrower is responsible for ensuring that adequate financial and human resources are allocated for the effective implementation of this ESMP Checklist.</p> <p>Roles and Responsibilities are provided in appendix (See Appendix-8. Roles and Responsibilities).</p>
2.c) Organizational Capacity
<p>Sub-borrower:</p> <p>The sub-borrower shall establish an organizational structure (Project Implementation Unit – PIU) with qualified staff and resources to the satisfaction of ILBANK and maintain it by ensuring that there is qualified staff assigned and serving on the duty throughout the sub-financing agreement life cycle.</p> <p>The sub-borrower assigns the following personnel to support management and monitoring of subproject E&S risks and impacts and ensure full compliance with the requirements of this ESMP Checklist:</p> <ul style="list-style-type: none"> o Environmental Focal Point: Furkan Berdibek Environmental Engineer 5 Years o Social Focal Point ((who will also act as the Grievance Mechanism (GM) Focal Point): Fatih Kaya Social Specialist 10 Years o Occupational Health and Safety (OHS) Specialist: Vedat Elçi Map Engineer 5 Years
<p>Contractors:</p> <p>The sub-borrower shall obligate awarded contractors to establish and maintain throughout the contract duration an organizational structure with qualified staff and resources.</p> <p>This shall be achieved through assigning the following personnel under the contractor's organization prior to commencement of works:</p> <ul style="list-style-type: none"> o One (1) Environmental Specialist: Please insert name-surname, position/title, length of professional experience o One (1) Social Specialist: Please insert name-surname, position/title, length of professional experience o One (1) Occupational Health and Safety (OHS) Specialist: Please insert name-surname, position/title, length of professional experience, expertise class

² <https://www.ifc.org/en/insights-reports/2000/general-environmental-health-and-safety-guidelines>

The sub-borrower shall in writing notify ILBANK of the assigned contractor personnel prior to commencement of works.

2.d) Grievance Mechanism (GM)

The sub-project's Grievance Mechanism (GM) shall be implemented in alignment with ILBANK's GM framework, available at the official ILBANK website³. The GM aims to provide an accessible and transparent process for stakeholders to raise concerns, provide feedback, and resolve grievances related to the sub-project.

The sub-borrower shall require the contractors to prepare notification board/sign and post them at or around the worksite prior to commencement of works. The board/sign will include contact details for public to raise their subproject-related grievances and feedback (See Appendix-5. Construction Notice Template for the template).

The grievances shall be recorded by the sub-borrower, construction supervision consultant and the contractor, and submitted to ILBANK weekly (see Appendix-6. E&S Incident Notification Form for Forms & Appendix-7. Simplified Labor Management Procedure for Register).

Sensitive complaints⁴ will be reported to WB within 48 hours following the grievance received by ILBANK.

2.e) Monitoring and Reporting

The sub-borrower shall promptly notify ILBANK of any incident or accident related to the subproject which has, or is likely to have, a significant⁵ adverse effect on the environment, the affected communities, the public or workers, including, inter alia, cases of sexual exploitation and abuse (SEA), sexual harassment (SH), and accidents that result in death, serious or multiple injury.

This notification shall be done by using ILBANK's E&S Incident Notification Form template. Completed E&S Incident Notification Form shall be submitted to ILBANK by the sub-borrower within **48 hours** of the incident or accident (contractor shall notify the sub-borrower within **24 hours** of the incident or accident).

The periodic E&S monitoring reporting requirements for the subproject is as follows:

- Construction contractor will prepare **monthly** E&S monitoring reports (ESMRs) and submit to supervision consultant ("müşavir").
- During the **construction** phase, the sub-borrower, with support from supervision consultant, will prepare **quarterly** ESMRs and submit to ILBANK.
- During the **operation** phase (throughout sub-financing agreement lifecycle, until the completion of repayment period), the sub-borrower will prepare **annual** ESMRs and submit to ILBANK.

ILBANK will provide the sub-borrower with the required template for the periodic ESMRs.

The Roles and Responsibilities are provided in appendix (See Appendix-8. Roles and Responsibilities)

³ https://www.ilbank.gov.tr/userfiles/files/Grievance_Mechanism.pdf

⁴ Sensitive complaints could include the following (not an exhaustive list): 1) Sexual exploitation and/or any type of abuse by a staff member; 2) Fraud and/or corruption by a staff member, such as involvement in bribery or misusing funds; 3) Any action which constitutes a breach of ILBANK code of conduct including staff behavior.

⁵ Any incident or accident relating to the subproject which has, or is likely to have, a significant adverse impact on the environment and/or health and safety of communities or employees (direct or contracted) involved in the subprojects related operations will be considered significant, including, inter alia, chemical and/or hydrocarbon materials spills; fire, explosion or unplanned releases, including during transportation; ecological damage/destruction; traffic or other type of accidents that could result in fatalities or serious injuries affecting employees and/or public complaint or protest; failure of emissions or effluent treatment; legal/administrative notice of violation; penalties, fines, or increase in pollution charges; negative media attention; chance cultural finds; labor unrest or disputes; local community concerns.

Part 3: ESMP Matrix: Risk and Impacts, Mitigation and Monitoring

As the Sub-project involves both construction and operational activities, the ESMP consist of two components applicable to respective Sub-project phase, as follows:

- Construction ESMP Matrix
- Operation ESMP Matrix

3.a) Construction ESMP Matrix

No.	Risks and Impacts	Receptor(s)	Proposed Mitigation Measure	Responsible Parties
Labor and Working Conditions				
1.	Working Conditions	Construction workforce Employees	<ul style="list-style-type: none"> • Conduct daily toolbox talks covering the OHS Plan and labor conditions. • Develop and implement a subproject-specific simplified Labor Management Procedure (SLMP, see Appendix-9. Chance Find Procedure) to ensure compliance in recruiting and managing all employees. • Enforce strict prohibition of child labor, forced labor, and unregistered labor as per SLMP requirements. • Workers will be provided with documented information that is clear and understandable regarding their rights under national labor law, including collective agreements, and their rights related to hours of work, wages, overtime, compensation, and benefits at the start of the working relationship and whenever any material changes occur. Recruitment procedures will comply with national labor legislation and ESS2, and an accessible grievance mechanism for workers will be implemented and maintained 	Contractor Supervision Consultant Bingöl Municipality
2.	General OHS risks	Construction workforce	<ul style="list-style-type: none"> • Develop a comprehensive risk assessment document for sub-project, addressing specific risks and defining mitigation measures. • Ensure that all employees, including subcontractors, receive necessary OHS training covering identified risks. • Prepare sub-project management plans, including Safe Work Procedures and an Emergency Response Plan. • Enforce safety procedures and provide appropriate PPE to all employees. • Incorporate job-specific safety procedures and requirements in OHS training programs. • Prepare machine and operation specific "Safe Working Procedures" for all safety critic equipment and machinery and notify all workforce by signature. 	Contractor Supervision Consultant Bingöl Municipality

No.	Risks and Impacts	Receptor(s)	Proposed Mitigation Measure	Responsible Parties
3.	Physical Hazards: Lifting Operations OHS Risks	Construction workforce	<ul style="list-style-type: none"> • Ensure that lifting area will be enclosed with fence to prevent access to the lifting area during lifting work. • Ensure that warning signs will be installed for lifting activities • Ensure that safety procedures will be used for lifting operations. • Ensure that lifting work will be carried out by well trained, qualified, and certified lifting team and with proper communication means and flag man. • Ensure that workers will be provided with all necessary PPE and safety materials. • Ensure all equipment used for lifting operations including slings, chains and hooks are checked technically and records are kept according to local safety legislation. 	Contractor Supervision Consultant Bingöl Municipality
4.	Physical Hazards: Rotating and Moving Equipment	Construction workforce	<ul style="list-style-type: none"> • Design machines to eliminate trap hazards and ensure that extremities are kept out of harm's way under normal operating conditions; i.e. availability of emergency stops dedicated to the machine and placed in strategic locations; • If a machine or equipment has an exposed moving part or an exposed pinch point that could endanger the safety of any worker, ensure that the machine or equipment is equipped with and protected by a guard or other device that prevents access to the moving part or pinch point. Guards should be designed and installed in conformance with appropriate machine safety standards; • Ensure that machinery with exposed or protected moving parts or in which energy can be stored (e.g. compressed air, electrical components) is turned-off, disconnected, isolated and de-energized (Locked Out and Tagged Out) during service or maintenance; • Where possible, ensure that equipment is designed and installed to enable routine servicing, such as lubrication, to be carried out without removing guarding devices or mechanisms. 	Contractor Supervision Consultant Bingöl Municipality
5.	Physical Hazards: Electrical Hazards	Construction workforce	<ul style="list-style-type: none"> • No one without a valid certification on vocational training on electricity will be allowed to work on electrical installations. • Ensure that all energized electrical devices and lines are marked with warning signs; • Ensure that the devices are locked (de-charging and leaving open with a controlled locking device) and labeled (warning sign placed on the lock) during service or maintenance; • Ensure that all electrical cords, cables, and hand power tools are checked for frayed or exposed cords. Also, ensure that the manufacturer's 	Contractor Supervision Consultant Bingöl Municipality

No.	Risks and Impacts	Receptor(s)	Proposed Mitigation Measure	Responsible Parties
			<p>recommendations for the maximum permitted operating voltage of portable hand tools are followed;</p> <ul style="list-style-type: none"> • Ensure that all electrical equipment used in environments that are or may be wet is double insulated/grounded; use equipment with ground fault interrupter (GFI) protected circuits; • Ensure that power cords and extension cords are protected against damage from traffic by shielding or suspending above traffic areas; • Ensure that high-voltage equipment ('electrical hazard') and service rooms where access is controlled or prohibited are properly labeled; • Ensure that "No Approach" zones are established around or under high voltage lines; • Ensure that construction vehicles or other vehicles with rubber tires that come into direct contact with or arc across high-voltage cables are taken out of service for 48 hours; • Ensure that all buried electrical cables are thoroughly identified and marked prior to any excavation work. • Ensure that special training programs are organized for employees on electrical hazards and safety precautions. • Ensure that rapid response teams and emergency plans are established for electrical accidents. • Ensure that regular electrical safety inspections are conducted in the project area. • Ensure that periodic inspections are conducted to ensure that employees use appropriate personal protective equipment (PPE). 	
6.	Physical Hazards: Welding and Hot Works	Construction workforce	<ul style="list-style-type: none"> • Ensure that appropriate eye protection, such as welder's goggles and/or a full-face shield, and respiratory protection is provided for all personnel involved in or assisting with welding operations; • If welding or hot cutting is performed outside of established welding work stations, ensure that special hot work and fire prevention precautions and Standard Operating Procedures (SOPs) are in place, including "Hot Work Permits, stand-by fire extinguishers, stand-by fire watch and maintaining fire watch for up to one hour after welding or hot cutting is finished"; • Ensure that areas where welding or hot work is performed are cleared of flammable materials (e.g. fuel, solvent, spark-ignitable materials) and should be checked regularly. • Ensure that all employees are trained and informed about welding operations and the safe management of hot work. 	Contractor Supervision Consultant Bingöl Municipality

No.	Risks and Impacts	Receptor(s)	Proposed Mitigation Measure	Responsible Parties
7.	Fire Safety Prevention Measures and Emergency Response	Construction workforce Flora and fauna Soil, water resources	<ul style="list-style-type: none"> • Prepare an Emergency Response and Evacuation Plan before the commencement of works. • Ensure all employees are trained for their responsibility to report dangers and firefighting measures • Ensure that all flammable and hazardous materials are stored in designated, secure areas away from ignition sources. • Ensure firefighting systems and equipment are available • Ensure fire and emergency drills are conducted regularly. • Designate trained fire wardens for each area to lead evacuations and coordinate with emergency responders. • Keep an up-to-date list of emergency contacts, including local fire departments and hospitals, for quick access in case of fire. • Ensure an appropriate number of trained first-aiders are present within the subproject area. 	Contractor Supervision Consultant Bingöl Municipality
8.	Physical Hazards: Ergonomics, Repetitive Motion, Manual Handling Lifting	Construction workforce	<ul style="list-style-type: none"> • Establish clear weight limits for manual handling tasks and label heavy loads accordingly; • Ensure that mechanical assists are used to eliminate or reduce the effort required to lift materials, hold tools and work objects, and that more than one person is lifting if weights exceed thresholds; • Ensure that tools are selected and designed that reduce force requirements and holding times and improve postures; • Ensure that user-adjustable workstations are provided; • Ensure that rest and stretch breaks are incorporated into work processes and job rotation is in place; • Ensure quality control and maintenance programs are in place that reduce unnecessary forces and effort; • Ensure that additional special circumstances, such as left-handed people, are considered. 	Contractor Supervision Consultant Bingöl Municipality
9.	Physical Hazards: Industrial Vehicle Driving and Site Traffic	Construction workforce	<ul style="list-style-type: none"> • Ensure that industrial vehicle operators are trained in the safe use of specialized vehicles such as forklifts, including safe loading/unloading, load limits; • Make sure drivers undergo medical supervision; • Ensure that moving equipment with restricted rear visibility is equipped with audible back-up alarms; • Ensure that rights of way, site speed limits, vehicle inspection requirements, operating rules and procedures and control of traffic patterns or direction are established; • Ensure that deliveries and movement of private vehicles are restricted to defined routes and areas, with 'one-way' movement preferred where appropriate. 	Contractor Supervision Consultant Bingöl Municipality

No.	Risks and Impacts	Receptor(s)	Proposed Mitigation Measure	Responsible Parties
10.	Physical Hazards: Chemical Hazards	Construction workforce Flora and fauna Soil, water resources	<ul style="list-style-type: none"> • Ensure that the hazardous substance is replaced with a less hazardous substitute; • Ensure that engineering and administrative control measures are in place to prevent or minimize the release of hazardous substances into the working environment, keeping the exposure level below internationally established or recognized limits; • Ensure that the number of workers exposed or likely to be exposed is minimal; • Ensure that chemical hazards are communicated to workers through labeling and marking according to nationally and internationally recognized requirements and standards, including International Chemical Safety Cards (ICSC), Material Safety Data Sheets (MSDS/SDSs) or equivalent. Any means of written communication should be in an easily understood language and be readily available to exposed workers and first-aid personnel; • Ensure that employees are trained in the use of available information (such as MSDSs/SDSs), safe working practices and proper use of PPE. • Ensure workers have access to suitable personal protective equipment (PPE), such as gloves, respirators, goggles, and protective clothing, based on the specific chemical hazards. • Store hazardous substances in designated areas with appropriate ventilation, labeling, and secure containment to prevent accidental exposure or spills. • Develop and implement a spill response (as a part of Emergency Response Plan) that includes containment, cleanup, and disposal of hazardous substances, along with emergency contact information. • Dispose of chemical waste according to regulations to prevent environmental contamination and worker exposure. • Regularly inspect and maintain chemical handling equipment, storage areas, and PPE to prevent leaks or accidental releases. 	Contractor Supervision Consultant Bingöl Municipality
11.	Gender-Based Violence (GBV); Sexual Exploitation and Abuse/Sexual Harassment (SEA/SH) on Employees; Gender Inequality	Construction workforce	<ul style="list-style-type: none"> • Provide GBV and SEA/SH awareness sessions for the management teams of the construction contractor and consultants to promote understanding and accountability. • Conduct regular awareness meetings with workers to educate them on GBV and SEA/SH issues and the importance of respectful workplace conduct. • Ensure all workers receive training on recognizing, preventing, and responding to GBV and SEA/SH incidents. • Require all workers to review, sign, and adhere to a Code of Conduct that explicitly addresses unacceptable behaviors related to GBV and SEA/SH. • Implement a confidential and accessible grievance mechanism specifically designed to capture and address GBV and SEA/SH-related complaints in a timely manner. 	Contractor Supervision Consultant Bingöl Municipality

No.	Risks and Impacts	Receptor(s)	Proposed Mitigation Measure	Responsible Parties
Resource Efficiency and Pollution Prevention and Management				
12.	Waste Management - General	Communities Construction workforce Flora and fauna Soil, water resources	<ul style="list-style-type: none"> • Separate waste at the source into waste categories determined in Waste Management Regulation, establish temporary waste storage area • Place labeled bins for each type of waste at strategic locations on-site to ensure correct disposal by workers. • Implement practices to reduce waste generation by optimizing material use and reusing materials where possible. • Contract with local recycling facilities to ensure that recyclable materials (e.g., metals, paper, plastic) are properly processed. • Store waste in designated, secured areas to prevent littering, leaching, and environmental contamination. • Use leak-proof containers for hazardous or liquid waste and ensure they are adequately labeled. • Contract with licensed waste disposal companies to handle non-recyclable and hazardous wastes in accordance with Waste Management Regulation. • Track and document the disposal process to ensure compliance and accountability. • Conduct regular awareness sessions and training for workers on waste reduction techniques, proper disposal practices, and the importance of waste management. • Regularly monitor waste management practices, conduct site inspections, and assess waste volumes to identify areas for improvement. • Establish a reporting system to document waste types, quantities, and disposal methods. • Develop a comprehensive waste management plan that includes waste reduction targets, disposal methods, monitoring schedules, and assigned responsibilities for effective waste management throughout the project. • Use containment systems for waste that poses spill risks, and keep spill kits accessible. Train staff on immediate spill response actions to prevent soil and water contamination. • Conduct maintenance tasks, such as oil changes and battery replacements, off-site; 	Contractor Supervision Consultant Bingöl Municipality
13.	Waste Management - Electronic Waste Disposal	Communities Construction workforce Soil and water resources	<ul style="list-style-type: none"> • Contract with recycling facilities and/or manufacturers to ensure proper disposal or recycling of obsolete equipment; • Agreements will be set with e-waste recycling facilities to ensure responsible disposal of electronic waste from solar panels, inverters, batteries, etc. 	Contractor Supervision Consultant Bingöl Municipality
14.	Wastewater Management	Flora and fauna Soil, water resources	<ul style="list-style-type: none"> • Construct septic tanks for collecting wastewater from site staff; 	Contractor Supervision Consultant Bingöl Municipality

No.	Risks and Impacts	Receptor(s)	Proposed Mitigation Measure	Responsible Parties
			<ul style="list-style-type: none"> Regularly dispose/vacuum wastewater in the septic tank to prevent overflow, reduce the risk of contamination, and ensure the proper functioning of the system. 	
15.	Soil and Groundwater Contamination	Communities Construction workforce Flora and fauna Soil and water resources	<ul style="list-style-type: none"> Contain and clean up any oil, chemical, lubricant, or fuel spill immediately to prevent environmental contamination. Implement spill prevention and response measures. Maintain spill containment and clean-up kits on-site. Ensure all spills are contained, cleaned, and disposed of by licensed waste management companies. Conduct routine servicing of construction vehicles and equipment at designated off-site locations to minimize the risk of leaks or spills. Perform refuelling in designated areas following strict protocols to prevent accidental spills. Collect and store waste oil securely for recycling or dispose of it through licensed waste vendors to ensure safe handling. Provide adequate sanitary facilities, including toilets and showers, for the construction workforce. Ensure prompt repairs and maintenance in the event of any leaks or spills to maintain hygiene and safety standards. 	Contractor Supervision Consultant Bingöl Municipality
16.	Dust and Gaseous Emissions	Communities Construction workforce Flora and fauna Ambient air quality	<ul style="list-style-type: none"> Apply water spraying to suppress dust when dusting occurs on roads and construction area. Use water tankers to supply water for this purpose. Inform communities/residential areas nearby about the schedule and nature of construction activities as part of the Stakeholder Engagement Plan (SEP). Carry out loading and unloading of trucks carefully to prevent materials from dispersing or scattering. Cover transport trucks with tarpaulins on public roads when arriving at or leaving the site to minimize dust. Clean truck tires before leaving the site to prevent mud and debris from spreading onto public roads. Enforce a speed limit for trucks to reduce dust and improve site safety. Use modern equipment and vehicles that meet relevant emission standards. Regularly inspect and maintain exhaust systems to ensure emission levels remain within safe limits. Implement good site practices by using low-emission construction equipment and vehicles. Utilize cleaner fuels and technologies to reduce dust and other airborne pollutants. Implement a grievance mechanism to address community concerns. Halt work in case of grievances until corrective measures are in place. 	Contractor Supervision Consultant Bingöl Municipality
17.	Environmental Noise	Communities Construction workforce	<ul style="list-style-type: none"> Prohibit the operation of construction machinery at night to minimize noise disturbances. Inform communities/residential areas nearby about the timing and nature of construction activities as part of the Stakeholder Engagement Plan (SEP). 	Contractor Supervision Consultant Bingöl Municipality

No.	Risks and Impacts	Receptor(s)	Proposed Mitigation Measure	Responsible Parties
			<ul style="list-style-type: none"> • Ensure that machinery and equipment used during land preparation and construction are distributed evenly throughout the site rather than concentrated in one location. • Choose construction machinery and equipment with low noise emissions to minimize noise impact on the surrounding area. • Use noise barriers or enclosures for loud equipment. • Conduct regular and periodic maintenance of construction machinery and equipment, including daily checks before each shift, to ensure optimal performance and reduce noise levels. • Ensure all vehicles used for transportation comply with the speed limits to minimize noise and enhance safety. • Establish a grievance mechanism to receive and address complaints related to noise and other nuisances from the community. • Halt construction activities in response to grievances until appropriate preventive measures are implemented to address the issues raised. 	
18.	Hazardous Substances Management	Construction workforce Communities Flora and fauna Soil and water resources	<ul style="list-style-type: none"> • Maintain a comprehensive record of the types, quantities, and properties of hazardous materials to be stored on-site. • Establish a designated storage area specifically equipped for the safe storage of hazardous and toxic materials. • Ensure all storage containers are clearly labelled with appropriate hazard warnings, safety information, and emergency contact details to facilitate proper handling and identification. All chemicals will be managed in accordance with their Material Safety Data Sheets (MSDS). • Utilize suitable containers, tanks, and bunding systems to contain hazardous materials and prevent spills, leaks, or releases. Implement secondary containment measures, such as berms, dikes, or containment basins, to capture any accidental releases. • Ensure adequate ventilation and venting systems are in place within storage areas to prevent the accumulation of hazardous vapours or gases. • Identify and safely remove hazardous materials, including lead-containing components from solar panels and electronic waste from inverters, following proper disposal protocols. • Implement appropriate containment and handling procedures to minimize the risk of spills or releases of hazardous substances during storage and handling. • Arrange for the proper disposal or recycling of hazardous materials through licensed facilities to ensure safe and compliant waste management. 	Contractor Supervision Consultant Bingöl Municipality

No.	Risks and Impacts	Receptor(s)	Proposed Mitigation Measure	Responsible Parties
Community Health and Safety				
19.	Increased traffic	Communities	<ul style="list-style-type: none"> • Coordinate traffic management to regulate construction vehicle movement. • Schedule construction activities during off-peak hours to minimize traffic congestion. • Ensure coordination and develop infrastructure upgrades or expansions in advance of the sub-project, including improvements to roads, utilities, and telecommunications if necessary. • Use flagmen and signage to direct traffic safely around construction area. • Provide regular updates to the community about construction schedules and traffic impacts. • Ensure all construction vehicles comply with speed limits specified in the regulations and are maintained to minimize emissions and noise. • Limit vehicle speed on unpaved roads to 30 km/h. • Conduct safety training for construction workers on road safety protocols and provide road safety training for all drivers. • Use safe traffic control measures, including road warning signs, speed bumps, and flag persons as necessary. • Monitor traffic conditions and adjust operations as necessary to ensure safety. • Repair any damage to the roads promptly. • Establish a grievance mechanism for community members to report traffic concerns. • Prepare an emergency response plan and protocols to address potential infrastructure failures, accidents, or natural disasters during construction. 	Contractor Supervision Consultant Bingöl Municipality
20.	Risks related with Gender Based Violence (GBV) Sexual Exploitation Abuse / Sexual Harassment (SEA/SH)	Communities	<ul style="list-style-type: none"> • Deliver ethical rules and public communication training to all employees to prevent gender-based violence (GBV), harassment, and abuse in the workplace. • Require all workers to sign and adhere to a code of conduct that promotes respectful behaviour. • Conduct regular awareness-raising sessions on-site focused on GBV prevention and other relevant social issues. • Establish a grievance mechanism to receive and address complaints related to GBV and workplace misconduct. • Women's complaints of sexual abuse will be handled in a confidential manner and women staff (e.g. Women Social Workers) will be employed within the grievance mechanism to ensure that these complaints are shared • 	Contractor Supervision Consultant Bingöl Municipality
21.	Local Economy, Livelihood Sources and Employment	Communities	<ul style="list-style-type: none"> • Prioritize local hiring for unskilled, semi-skilled, and skilled positions within the scope of the sub-project. 	Contractor Supervision Consultant Bingöl Municipality

No.	Risks and Impacts	Receptor(s)	Proposed Mitigation Measure	Responsible Parties
			<ul style="list-style-type: none"> Regularly engage with local communities and maintain a grievance mechanism to address community concerns and feedback. 	
22.	Impacts on Vulnerable and Disadvantaged Individuals and Groups	Communities	<ul style="list-style-type: none"> Develop a recruitment policy that includes non-discriminatory hiring practices, tailored training programs for vulnerable groups, and support services such as transportation and childcare to facilitate workforce participation. 	Contractor Supervision Consultant Bingöl Municipality
Land Acquisition, Restrictions on Land Use and Involuntary Resettlement				
23.	Impacts on Local Communities using the Site and Its Environs for Grazing, Agriculture or Beekeeping	Communities	<ul style="list-style-type: none"> Ensure availability of grievance mechanism for stakeholders affected by land use. No work will be carried out outside the project area. In case additional land is needed, necessary permits and approvals will be obtained. If accidental damage to adjacent land, structures or crops/assets occurs, the Contractor shall provide appropriate shall compensate and indemnify 	Contractor Supervision Consultant Bingöl Municipality
Biodiversity Conservation and Sustainable Management of Living Natural Resources				
24.	Disturbance on Biodiversity	Flora and fauna	<ul style="list-style-type: none"> Engage qualified biodiversity experts to conduct pre-construction surveys to identify presence and distribution of flora and fauna on the subproject site, if any, with a focus on impact on habitats such as nesting or burrowing sites, to avoid disturbance or destruction during construction activities. Implement a gradual construction approach to allow fauna species time to escape or provide for their relocation to suitable habitats. Schedule construction activities during periods of low wildlife activity, avoiding nesting seasons for birds and hibernation periods for mammals. Minimize vegetation removal by conducting thorough surveys to avoid unnecessary clearing. Restore natural vegetation upon completion of construction activities to enable species to re-inhabit surrounding areas. Install exclusion fencing to prevent animals from entering construction zones, using wildlife-friendly designs that allow small animals to pass through safely. Install barriers around known burrows or nesting sites to protect them from disruption during construction, using temporary or permanent solutions as necessary. Clearly separate subproject construction sites and access roads from other areas with appropriate signage and fencing, limiting personnel and vehicle access to these areas. Reduce habitat degradation by keeping vehicles on designated access roads and minimizing pedestrian traffic in intact areas. 	Contractor Supervision Consultant Bingöl Municipality

No.	Risks and Impacts	Receptor(s)	Proposed Mitigation Measure	Responsible Parties
Cultural Heritage				
25.	Impacts on Cultural Heritage	Cultural heritage	<ul style="list-style-type: none"> • Develop and implement the Chance Finds Procedure (see Appendix-11) to ensure timely identification and appropriate management of any chance findings during sub-project implementation. • Include the Chance Finds Procedure as part of toolbox training sessions during construction to raise awareness among workers. • Stop construction work immediately if any chance finds are encountered. • Inform the relevant Preservation Board or Museum Directorate immediately, and ensure the security of the area by the contractor. Construction work will not resume until official notification is received. 	Contractor Supervision Consultant Bingöl Municipality
Stakeholder Engagement and Information Disclosure				
26.	Insufficient Stakeholder Engagement Activities and Public Consultation.	Communities Construction workforce	<ul style="list-style-type: none"> • Create channels for interaction and communication with local communities, ensuring that engagement activities are scheduled at convenient times. • Conduct regular consultations with relevant authorities and local communities to discuss project management and gather feedback. 	Sub-borrower Supervision Consultant Bingöl Municipality

3.b) Operation ESMP Matrix

Ref.	Impact Description	Sensitive Receptor(s)	Management/ Mitigation Measure	Responsibility for Implementation of Mitigation Measure
Labor and Working Conditions				
1.	Improper Working Conditions	Employees	<ul style="list-style-type: none"> • Conduct daily/weekly toolbox talks covering the OHS Plan and labor conditions. • Apply the SLMP to ensure compliance in recruiting and managing all employees. • Enforce strict prohibition of child labor, forced labor, and unregistered labor as per SLMP requirements. • Provide employees with clear, documented information on their labor rights, including working hours, wages, overtime, compensation, and benefits at the start of employment and whenever material changes occur. • Implement and maintain an accessible Grievance Mechanism for workers. Inform all workers at recruitment. 	Sub-borrower
2.	General OHS risks	Employees	<ul style="list-style-type: none"> • Develop a comprehensive risk assessment document for sub-project, addressing specific risks and defining mitigation measures. • Ensure that all employees, including subcontractors, receive necessary OHS training covering identified risks. • Prepare sub-project management plans, including Safe Work Procedures and an Emergency Response Plan. • Enforce safety procedures and provide appropriate PPE to all employees. • Incorporate job-specific safety procedures and requirements in OHS training programs. 	Sub-borrower
3.	Physical Hazards: Lifting Operations OHS Risks	Employees	<ul style="list-style-type: none"> • Ensure that lifting area will be enclosed with fence to prevent access to the lifting area during lifting work. • Ensure that warning signs will be installed for lifting activities • Ensure that safety procedures will be used for lifting operations. • Ensure that lifting work will be carried out by well trained, qualified, and certified lifting team and with proper communication means and flag man. • Ensure that workers will be provided with all necessary PPE and safety materials. • Ensure all equipment used for lifting operations including slings, chains and hooks are checked technically and records are kept according to local safety legislation. 	Sub-borrower

Ref.	Impact Description	Sensitive Receptor(s)	Management/ Mitigation Measure	Responsibility for Implementation of Mitigation Measure
4.	Physical Hazards: Electrical Hazards	Employees	<ul style="list-style-type: none"> • No one without a valid certification on vocational training on electricity will be allowed to work on electrical installations. • Ensure that all energized electrical devices and lines are marked with warning signs; • Ensure that the devices are locked (de-charging and leaving open with a controlled locking device) and labeled (warning sign placed on the lock) during service or maintenance; • Ensure that all electrical cords, cables, and hand power tools are checked for frayed or exposed cords. Also, ensure that the manufacturer's recommendations for the maximum permitted operating voltage of portable hand tools are followed; • Ensure that all electrical equipment used in environments that are or may be wet is double insulated/grounded; use equipment with ground fault interrupter (GFI) protected circuits; • Ensure that power cords and extension cords are protected against damage from traffic by shielding or suspending above traffic areas; • Ensure that high-voltage equipment ('electrical hazard') and service rooms where access is controlled or prohibited are properly labeled; • Ensure that "No Approach" zones are established around or under high voltage lines; • Ensure that construction vehicles or other vehicles with rubber tires that come into direct contact with or arc across high-voltage cables are taken out of service for 48 hours; • Ensure that all buried electrical cables are thoroughly identified and marked prior to any excavation work. • Ensure that special training programs are organized for employees on electrical hazards and safety precautions. • Ensure that rapid response teams and emergency plans are established for electrical accidents. • Ensure that regular electrical safety inspections are conducted in the project area. • Ensure that periodic inspections are conducted to ensure that employees use appropriate personal protective equipment (PPE). 	Sub-borrower
5.	Fire Safety Prevention Measures and Emergency Response	Employees Flora and fauna Soil, water resources	<ul style="list-style-type: none"> • Ensure all employees are trained for their responsibility to report dangers and fire fighting measures • Ensure that all flammable and hazardous materials are stored in designated, secure areas away from ignition sources. • Ensure firefighting systems and equipment are available. • Ensure fire and emergency drills are conducted regularly. • Designate trained fire wardens for each area to lead evacuations and coordinate with emergency responders. • Keep an up-to-date list of emergency contacts, including local fire departments and hospitals, for quick access in case of fire. • Ensure an appropriate number of trained first-aiders are present within the subproject area. 	Sub-borrower

Ref.	Impact Description	Sensitive Receptor(s)	Management/ Mitigation Measure	Responsibility for Implementation of Mitigation Measure
6.	Physical Hazards: Ergonomics, Repetitive Motion, Manual Handling Lifting	Employees	<ul style="list-style-type: none"> • Establish clear weight limits for manual handling tasks and label heavy loads accordingly; • Ensure that mechanical assists are used to eliminate or reduce the effort required to lift materials, hold tools and work objects, and that more than one person is lifting if weights exceed thresholds; • Ensure that tools are selected and designed that reduce force requirements and holding times and improve postures; • Ensure that user-adjustable workstations are provided; • Ensure that rest and stretch breaks are incorporated into work processes and job rotation is in place; • Ensure quality control and maintenance programs are in place that reduce unnecessary forces and effort; • Ensure that additional special circumstances, such as left-handed people, are considered. 	Sub-borrower
7.	Physical Hazards: Chemical Hazards	Employees Flora and fauna Soil, water resources	<ul style="list-style-type: none"> • Ensure that the hazardous substance is replaced with a less hazardous substitute; • Ensure that engineering and administrative control measures are in place to prevent or minimize the release of hazardous substances into the working environment, keeping the exposure level below internationally established or recognized limits; • Ensure that the number of workers exposed or likely to be exposed is minimal; • Ensure that chemical hazards are communicated to workers through labeling and marking according to nationally and internationally recognized requirements and standards, including International Chemical Safety Cards (ICSC), Material Safety Data Sheets (MSDS/SDSs) or equivalent. Any means of written communication should be in an easily understood language and be readily available to exposed workers and first-aid personnel; • Ensure that employees are trained in the use of available information (such as MSDSs/SDSs), safe working practices and proper use of PPE. • Ensure workers have access to suitable personal protective equipment (PPE), such as gloves, respirators, goggles, and protective clothing, based on the specific chemical hazards. • Store hazardous substances in designated areas with appropriate ventilation, labeling, and secure containment to prevent accidental exposure or spills. • Develop and implement a spill response (as a part of Emergency Response Plan) that includes containment, cleanup, and disposal of hazardous substances, along with emergency contact information. • Dispose of chemical waste according to regulations to prevent environmental contamination and worker exposure. • Regularly inspect and maintain chemical handling equipment, storage areas, and PPE to prevent leaks or accidental releases. 	Sub-borrower

Ref.	Impact Description	Sensitive Receptor(s)	Management/ Mitigation Measure	Responsibility for Implementation of Mitigation Measure
8.	Gender-Based Violence (GBV); Sexual Exploitation and Abuse/Sexual Harassment (SEA/SH) on Employees; Gender Inequality	Employees	<ul style="list-style-type: none"> • Provide GBV and SEA/SH awareness sessions for the management teams of the construction contractor and consultants to promote understanding and accountability. • Conduct regular awareness meetings with workers to educate them on GBV and SEA/SH issues and the importance of respectful workplace conduct. • Ensure all workers receive training on recognizing, preventing, and responding to GBV and SEA/SH incidents. • Require all workers to review, sign, and adhere to a Code of Conduct that explicitly addresses unacceptable behaviors related to GBV and SEA/SH. • Implement a confidential and accessible grievance mechanism specifically designed to capture and address GBV and SEA/SH-related complaints in a timely manner. 	Sub-borrower
Resource Efficiency and Pollution Prevention and Management				
9.	Waste Management	Employees Communities Flora and fauna Soil, water resources	<ul style="list-style-type: none"> • Separate waste at the source into waste categories determined in Waste Management Regulation, establish temporary waste storage area • Place labeled bins for each type of waste at strategic locations on-site to ensure correct disposal by workers. • Implement practices to reduce waste generation by optimizing material use and reusing materials where possible. • Contract with local recycling facilities to ensure that recyclable materials (e.g., metals, paper, plastic) are properly processed. • Store waste in designated, secured areas to prevent littering, leaching, and environmental contamination. • Use leak-proof containers for hazardous or liquid waste and ensure they are adequately labeled. • Contract with licensed waste disposal companies to handle non-recyclable and hazardous wastes in accordance with Waste Management Regulation. • Track and document the disposal process to ensure compliance and accountability. • Conduct regular awareness sessions and training for workers on waste reduction techniques, proper disposal practices, and the importance of waste management. • Regularly monitor waste management practices, conduct site inspections, and assess waste volumes to identify areas for improvement. • Establish a reporting system to document waste types, quantities, and disposal methods. • Develop a comprehensive waste management plan that includes waste reduction targets, disposal methods, monitoring schedules, and assigned responsibilities for effective waste management throughout the project. • Use containment systems for waste that poses spill risks, and keep spill kits accessible. Train staff on immediate spill response actions to prevent soil and water contamination. • Conduct maintenance tasks, such as oil changes and battery replacements, off-site; 	Sub-borrower

Ref.	Impact Description	Sensitive Receptor(s)	Management/ Mitigation Measure	Responsibility for Implementation of Mitigation Measure
10	Electronic Waste Disposal	Employees Communities Flora and fauna Soil, water resources	<ul style="list-style-type: none"> Contract with recycling facilities and/or manufacturers to ensure proper disposal or recycling of obsolete equipment; Agreements will be set with e-waste recycling facilities to ensure responsible disposal of electronic waste from solar panels, inverters, batteries, etc. 	Sub-borrower
11	Water Use	Flora and fauna Soil, water resources	<ul style="list-style-type: none"> Use water efficiently when cleaning solar panels to minimize water consumption and wastewater production. Implement wiper cleaning using rubber blade water sprayers that require minimal water, promoting water conservation practices. 	Sub-borrower
12	Wastewater Management	Flora and fauna Soil, water resources	<ul style="list-style-type: none"> Utilize septic tanks constructed during the construction stage to collect wastewater from operational staff. Ensure septic tanks are regularly vacuumed to prevent overflow, reduce contamination risk, and maintain system functionality. 	Sub-borrower
13	Soil and Groundwater Contamination	Employees Communities Flora and fauna Soil and water resources	<ul style="list-style-type: none"> Contain and clean up any oil, chemical, lubricant, or fuel spill immediately to prevent environmental contamination. Implement spill prevention and response measures. Maintain spill containment and clean-up kits on-site. Ensure all spills are contained, cleaned, and disposed of by licensed waste management companies. Conduct routine servicing of construction vehicles and equipment at designated off-site locations to minimize the risk of leaks or spills. Collect and store waste oil securely for recycling or dispose of it through licensed waste vendors to ensure safe handling. Provide adequate sanitary facilities, including toilets and showers, for the construction workforce. Ensure prompt repairs and maintenance in the event of any leaks or spills to maintain hygiene and safety standards. 	Sub-borrower
14	Hazardous Substances Management	Employees Communities Flora and fauna Soil and water resources	<ul style="list-style-type: none"> Maintain a comprehensive record of the types, quantities, and properties of hazardous materials to be stored on-site. Establish a designated storage area specifically equipped for the safe storage of hazardous and toxic materials. Ensure all storage containers are clearly labelled with appropriate hazard warnings, safety information, and emergency contact details to facilitate proper handling and identification. All chemicals will be managed in accordance with their Material Safety Data Sheets (MSDS). Utilize suitable containers, tanks, and bunding systems to contain hazardous materials and prevent spills, leaks, or releases. Implement secondary containment measures, such as berms, dikes, or containment basins, to capture any accidental releases. Ensure adequate ventilation and venting systems are in place within storage areas to prevent the accumulation of hazardous vapours or gases. 	Sub-borrower

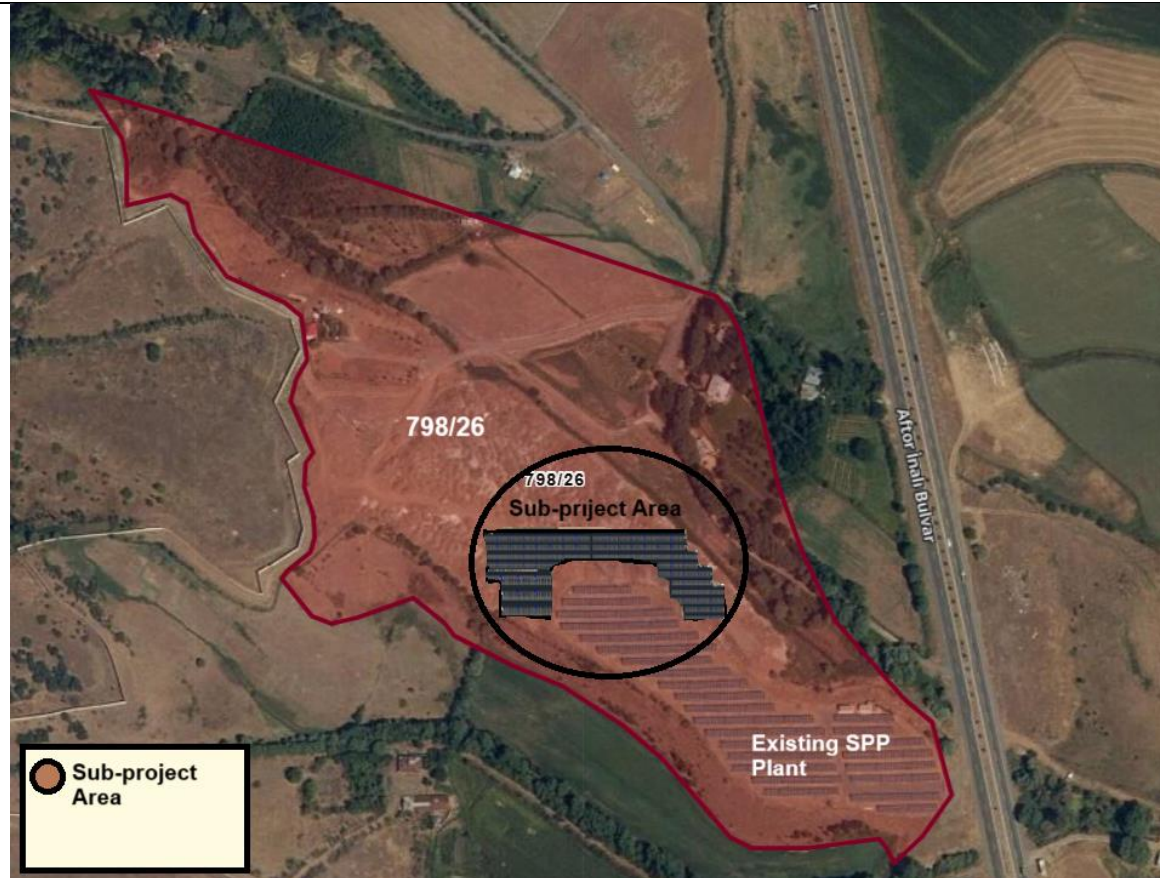
Ref.	Impact Description	Sensitive Receptor(s)	Management/ Mitigation Measure		Responsibility for Implementation of Mitigation Measure
			<ul style="list-style-type: none">Identify and safely remove hazardous materials, including lead-containing components from solar panels and electronic waste from inverters, following proper disposal protocols.Implement appropriate containment and handling procedures to minimize the risk of spills or releases of hazardous substances during storage and handling.Arrange for the proper disposal or recycling of hazardous materials through licensed facilities to ensure safe and compliant waste management.		
Community Health and Safety					
15	Risk of accidents and injury (e.g. Electric Shock) involving community members (inc. Children)	Communities	<ul style="list-style-type: none">Project are must be fenced and access of the community members (especially children) must be physically restricted by any means.Security surveillance of the area must be maintained 7/24	Sub-borrower	
16	Glare from Solar Panels which can be a Safety Hazard for Drivers, Pedestrians, and Nearby Residents, particularly if it Impairs Visibility or Causes Discomfort	Communities	<ul style="list-style-type: none">Ensure correct orientation of solar panels to minimize glare and reduce potential impact on road safety near the solar plant.Apply anti-glare coatings to panels where required to further mitigate glare and enhance road safety in the vicinity.		Sub-borrower
17	Risks Related With Gender Based Violence (GBV) Sexual Exploitation Abuse / Sexual Harassment (SEA/SH)	Communities	<ul style="list-style-type: none">Deliver ethical rules and public communication training to all employees to prevent gender-based violence (GBV), harassment, and abuse in the workplace.Require all workers to sign and adhere to a code of conduct that promotes respectful behavior.Conduct regular awareness-raising sessions on-site focused on GBV prevention and other relevant social issues.Establish a grievance mechanism to receive and address complaints related to GBV and workplace misconduct.		Sub-borrower
18	Impacts on Local Economy, Livelihood Sources and Employment	Communities	<ul style="list-style-type: none">Regularly engage with local communities and maintain a grievance mechanism to address community concerns and feedback.		Sub-borrower

Ref.	Impact Description	Sensitive Receptor(s)	Management/ Mitigation Measure	Responsibility for Implementation of Mitigation Measure
19	Impacts on Vulnerable and Disadvantaged Individuals and Groups	Communities	<ul style="list-style-type: none"> • Implement a recruitment policy that promotes non-discriminatory hiring, provides tailored training for vulnerable groups, and offers support services such as transportation or childcare. • Develop and execute Corporate Social Responsibility activities to benefit local communities, focusing on identified needs such as road improvements and utility enhancements. 	Sub-borrower
20	Security Personnel	Communities	<ul style="list-style-type: none"> • Security personnel will be present on site at all times. The sub-borrower will ensure that the security personnel are not involved in past abuses and have received adequate training. Security personnel will not carry weapons. Force will only be sanctioned in preventive or defensive circumstances proportionate to the threat and security will operate in accordance with the law. In addition, the solar power plant site will be closed with wire mesh. Entry and exit to the power plant area will only be through the security gate. The area surroundings and roads will be illuminated. The site will be monitored 24/7 by a camera system. • The grievance mechanism will allow communities and workers to express concerns regarding security issues and behaviour of security personnel. 	Sub-borrower
Biodiversity Conservation and Sustainable Management of Living Natural Resources				
21	Disturbance on Biodiversity	Flora and fauna	<ul style="list-style-type: none"> • Ensure proper maintenance of exclusion fencing around the site, utilizing wildlife-friendly designs that allow small animals, such as hedgehogs, to pass safely. • Implement appropriate signage and fencing to separate project access roads from other areas, limiting personnel and vehicle access to designated zones. 	Sub-borrower
Stakeholder Engagement and Information Disclosure				
22	Insufficient Stakeholder Engagement Activities and Public Consultation.	Communities Construction workforce	<ul style="list-style-type: none"> • Create channels for interaction and communication with local communities, ensuring that engagement activities are scheduled at convenient times. • Conduct regular consultations with relevant authorities and local communities to discuss project management and gather feedback. 	Sub-borrower

Appendices

Appendix-1. Site Map

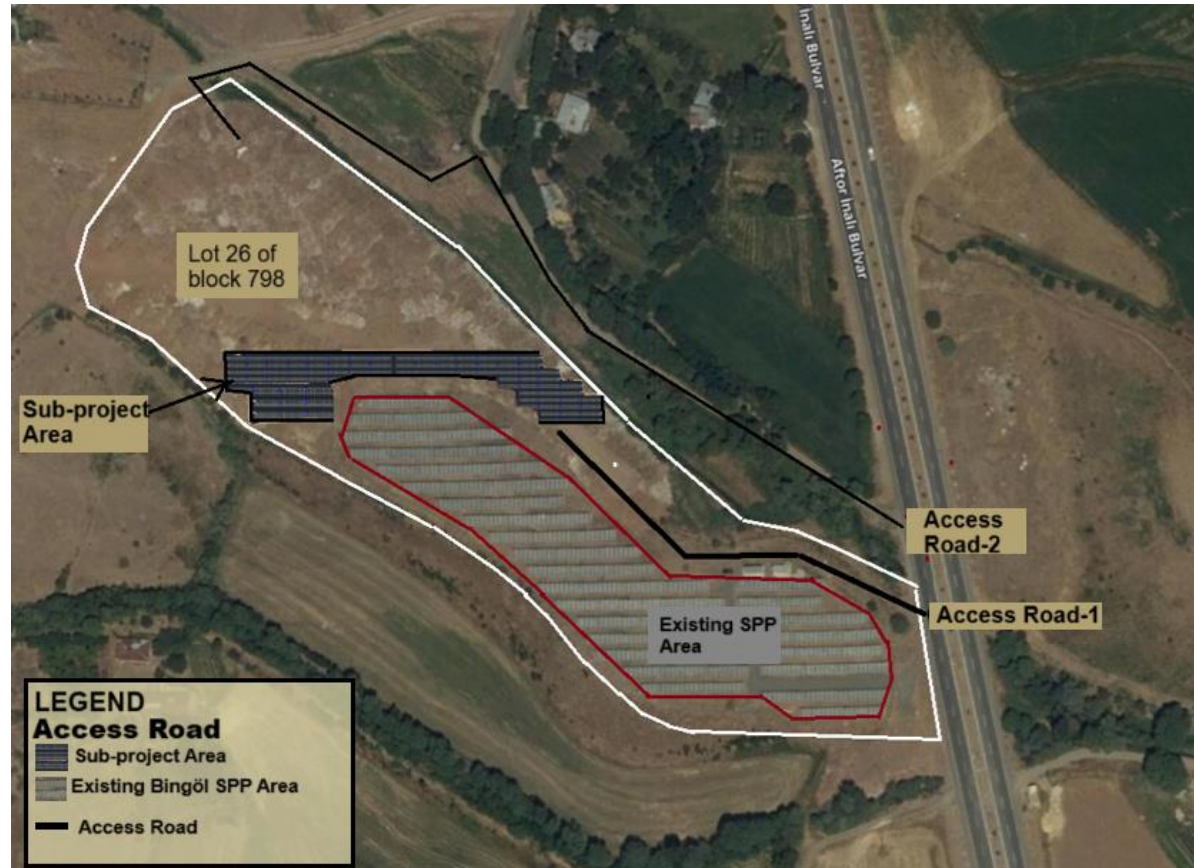




ETL Maps



Access Road to Sub-Project Area



Appendix-2. Copies of Existing Permitting Documentation

EIA Out of Scope Letter



T.C.
ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ BAKANLIĞI
Çevresel Etki Değerlendirmesi, İzin ve Denetim Genel Müdürlüğü

T.C.
BİNGÖL VALİLİĞİ
ÇEVRE, ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ İL MÜDÜRLÜĞÜ

Karar Tarihi : 22-07-2022
Karar No : 77556391 220-02 E-2022A7

ÇEVRESEL ETKİ DEĞERLENDİRME BELGESİ

25.11.2014 tarih ve 29186 sayılı Resmi Gazete’de yayımlanarak yürürlüğe giren Çevresel Etki Değerlendirmesi Yönetmeliği’nin Ek-II listesinde yer alan ‘GÜNEŞ ENERJİ SANTRALİ KAPASİTE ARTIŞI’ projesi ile ilgili olarak inceleme-değerlendirme yapılmış ve Proje Tanıtım Dosyasında çevresel etkilere karşı alınması öngörülen önlemler yeterli görülmüştür. Ayrıca ÇED Raporu hazırlanmasına gerek bulunmadığı tespit edilmiş olup, söz konusu projeye ÇED Yönetmeliğinin 17. Maddesi gereğince Valiliğimizce “Çevresel Etki Değerlendirmesi Gerekli Değildir” kararı verilmiştir.

Abdullah ÖZÜBEK
Vali a.
Vali Yardımcısı

Proje Sahibi : BİNGÖL BELEDİYE BAŞKANLIĞI
Proje Yeri : Bingöl İli, Merkez İlçesi, KÜLTÜR MAH. GÖLKAN MEVKİİ 798 ADA 26 NO.LU PARSEL
Kapasite : 4 MWe



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

Sayı : 77556391 220-02 E-202248 / 6240597
Konu : Güneş Enerjisi Santrali Kapasite Artışı

02.08.2022

DAĞITIM YERLERİNE

Bingöl İli, Merkez İlçesi, Kültür Mah. Gölkan mevkii Ada No:798, Parsel No:26 adresinde Bingöl Belediye Başkanlığı tarafından işletilmesi planlanmakta olan "Güneş Enerjisi Santrali Kapasite Artışı" projesi ile ilgili olarak Valiliğimize sunulan proje tanıtım dosyası incelenmiş ve değerlendirilmiştir.

ÇED Yönetmeliğinin 17. maddesi gereğince; "Güneş Enerjisi Santrali Kapasite Artışı" projesine Valiliğimizce "Çevresel Etki Değerlendirmesi Gerekli Değildir" kararı verilmiştir.

Söz konusu faaliyete ilişkin proje tanıtım dosyası ve eklerinde belirtilen hususlar ile 2872 sayılı Çevre Kanunu ve bu kanuna istinaden yürürlüğe giren ilgili yönetmeliklere uyulması, mer'î mevzuat uyarınca ilgili kurum / kuruluşlardan gerekli izinlerin alınması ve ÇED Yönetmeliğinin 18. maddesi gereğince alınan izin ve ruhsatlar ile yatırımın başlangıç, işletme ve işletme sonrası dönemlerine ilişkin raporların Valiliğimize ve Çevre, Şehircilik ve İklim Değişikliği Bakanlığı'na iletilmesi gerekmektedir.

Bilgilerinizi ve gereğini arz / rica ederim.

Abdullah ÖZÜBEK
Vali a.
Vali Yardımcısı

Ekler:

Ek - 1 : ÇED Gerekli Değildir Belgesi (1 sayfa)

Dağıtım:

Gereği:

- Bingöl Belediye Başkanlığı (Ek-1)

Bilgi:

- Çevre, Şehircilik ve İklim Değişikliği Bakanlığı
(ÇED İzin ve Denetim Genel Müdürlüğü) (Ek
konulmadı)
- Bioçev Müh. Dan. İnş. Gıda Nak. Tarım Eğt.
Tem. San. ve Tic. Ltd. Şti. . (Ek konulmadı)



FIRAT ELEKTRİK DAĞITIM A.Ş.

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Tel: 0 426 219 20 00

Fax: 0 426 213 45 03

Web : www.firatedas.com.tr

Sayı : KM-GDN-12-2023-158299

**BİNGÖL BELEDİYE BAŞKANLIĞI
İMAR VE ŞEHİRCİLİK MÜDÜRLÜĞÜ
YENİŞEHİR MAH. İSTİKLAL MARŞI CAD. NO:3
MERKEZ/BİNGÖL**

Konu : Çağrı Mektubu (Bingöl Belediyesi GES)

İlgi : 14/06/2023 tarih ve 155555 sayılı yazı

İlgi dilekçeniz ile Bingöl İli Merkez İlçesi Kültür Mahallesi Gölkan Mevkiinde bulunan 798 Ada 26 Parsel' de 997,5 kW gücünde Güneş Enerjisinden elektrik üretmek amacıyla tesis edilmesi planlanan Lisanssız Elektrik Üretim tesisi için Dağıtım Sistemine Bağlantı Görüşü talep etmektesiniz.

Üretim Talep Edilen Yerin Adresi	Bingöl İli Merkez İlçesi Kültür Mahallesi Gölkan Mevki köyü 798 Ada 6 Parsel	
Başvuru tarihi	31.01.2023	
Üretim Tesis ile İlişkilendirilen Tesisat No	20025795	
Tüketim Gücü (Bağlantı Anlaşması Sözleşme Gücü)	750 kW	
Tarife Grubu	601 S.Sanayi	
Bağlanacağı TM	Bingöl TM/ F10 GENÇ FİDERİ	
Talep Edilen Üretim Gücü	997,5 kW	
Bağlantı Gerilim Seviyesi	OG	
Üretim Tipi		
Bağlantı Noktası	X-Koordinat 40.5386919	Y-Koordinat 38.8667388
Bağlantı Tipi ve Ölçüleri	Yeraltı	Havai
Bağlantı hattı mesafe (m)		
Dağıtım Şebekesi		
Yönetmeliğin Maddesi	Başvuru 09 Mayıs 2021 tarih ve 31479 sayılı Resmi Gazete' de yayımlanan Elektrik Piyasasında Lisanssız Elektrik Üretim Yönetmeliği'nin 5.1.h maddesi kapsamındaki üretim tesisidir.	

(İhtiyaç fazlası enerjinin 09/05/2019 tarih ve 1044 sayılı Cumhurbaşkan Kararı hükümlerince



T.C.
BİNGÖL VALİLİĞİ
İl Gıda, Tarım ve Hayvancılık Müdürlüğü

Sayı : 1182466 - 2310
Konu : Güneş Enerjisi Sistemi

23.02.2016

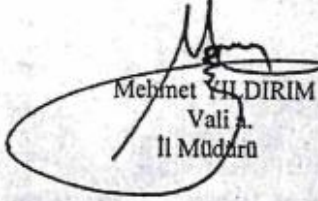
BİNGÖL BELEDİYE BAŞKANLIĞINA
(İmar ve Şehircilik Müdürlüğü)

İlgi : 19.02.2016 tarih ve 41623845-349-2313 sayılı yazınız

İlgi yazıda belirtilen İlimiz, Merkez Kültür (İnalı) Mahallesi Sınırları içerisinde bulunan 798 ada, 26 numaralı parsel üzerinde Güneş Enerjisi Sistemi ile İl merkezinde kullanılmak üzere elektrik (üretim-tüketim) santrali kurulmak istenmektedir.

Kurumumuzca parsel üzerinde teknik elamanlarca yapılan inceleme sonucunda; Orman ve Su İşleri Bakanlığı DSL. Bölge Müdürlüğü 94. Şube Müdürlüğü'nün 23.02.2016 tarih ve 118972 sayılı yazıları da dikkate alındığında konu parselin sulama imkânının bulunmadığı, söz konusu parselin İl Merkezinde imar sahasının hemen yanında bulunduğu mevcut durumu ile topoğrafyası vb. diğer teknik özellikleri değerlendirildiğin de, konu yerin tarımsal faaliyete uygun olmadığı ekli rapordan da anlaşılabacağı üzere mevcut durumu ve çevresi itibariyle parselin marjinal tarım alanı olduğu ve bu kapsamda değerlendirilmesi gerektiği hususunda;

Gereğini arz ederim.


Mehmet YILDIRIM
Vali A.
İl Müdürü

Eki :
798 ada 26 nolu parsel için Rapor (3 sayfa)

Letter from the Directorate of Planning and Urbanization



T.C.
BİNGÖL BELEDİYE BAŞKANLIĞI
İmar ve Şehircilik Müdürlüğü

Sayı : E-41623845-000-48380
Konu : GES Kamulaştırma Hk.

22.11.2023 ☐

Sayın İLGİLİ MAKAMA

14.06.2023 Tarih ve 155555 sayılı çağrı mektubu kapsamındaki 997,5 kWe GES Projelerine ait GES enerji nakil hattı güzergahı ve santral ulaşım yoluna ait mülkiyet Belediyemize ait olup, 3. şahıslara yönelik bir kamulaştırma işlemine gerek yoktur.
Gereğini bilgilerinize arz/rica ederim.

Erdal ARIKAN
Belediye Başkanı

Bu belge, güvenli elektronik imza ile imzalanmıştır.

Doğrulama Kodu: bai6JS-+OvQwm-rCRkhX-aqBkF2-3pD6kuiO Doğrulama Linki: <https://www.turkiye.gov.tr/iscisleri-belediye-ebys>

Yenişehir Mahallesi İstiklal Marşı Caddesi No:3
Telefon No: (426)213 12 18 Faks No: (426)213 12 14
e-Posta: imar@bingol.bel.tr İnternet Adresi: <http://www.bingol.bel.tr>
Kep Adresi: bingolbelediyesi@hs01.kep.tr

Bilgi için: Ömer Fikret ALTUNCU
Mühendis
Telefon No:



Zoning Permission Letter

T.C. BİNGÖL BELEDİYESİ MECLİS KARARI

Karar Tarihi : 07.02.2017
Karar No : 14
Karar Konusu : PLAN DEĞİŞİKLİĞİ

MECLİSİ TEŞKİL EDEN ÜYELER

Yücel BARAKAZI KATILDI	Murat ŞANLI KATILDI	Şahin ÇAKAR KATILDI	Veysel KOÇ KATILDI	Halim SUGÜ KATILDI	Sabri ALKIŞ KATILDI	Ahmet KORKUTATA KATILDI
Mehmet BOĞATEKİN KATILDI	Feyza Başak KOÇ KATILDI Meclis Üyesi	Selahattin DEMİREL KATILDI Meclis Üyesi	Mehmet BUYANKARA KATILDI Meclis Üyesi	Arif BAYNAL KATILMADI	Abdulhamit AKARCA KATILDI	Ragıp ATALA KATILDI
Nihat KAYA KATILDI	Fadil KORKMAZ KATILDI	Mehmet Salih AKBANA KATILDI	Yılmaz KÜÇÜKHAZAR KATILDI	Murat AYHAN KATILDI	Gölcem AYDIN KATILMADI	Asim DİLBAZ KATILDI
Çihat YILDIRIM KATILDI	Selahattin BURKANKULUM KATILDI	Hadî KORKUTATA KATILMADI	Türkan KİŞİN KATILDI	Aydın BÜRCÜN KATILDI		

Gündemin 4. Maddesinde yer alan İmar ve Şehircilik Müdürlüğünce Meclis Başkanlığına sunulan ve İmar Komisyonunca tetkik edilen plan değişikliği hakkındaki teklif görüşülerek yapılan müzakereler sonucunda;

Bingöl Merkez Kültür Mahallesi Sınırları içerisinde bulunan ve mülkiyeti Belediyemize ait olan Ada: 798 Parsel:26'da kayıtlı 103.300.89 m2 yüzölçümlü taşınmaz Belediyemiz ve Mücavir alan sınırları içerisinde olup imar planı dışında kalmaktadır. Söz konusu taşınmaz üzerinde Belediyemiz tarafından Enerji Üretilmek üzere Güneş Enerji Panelleri sisteminin kurulması planlandığından söz konusu parselin imar planının yapılarak onaylanması gerekmektedir.

Buna göre; Söz konusu Enerji Tesisinin kurulması ile Belediyemizin Enerji ihtiyacının kendi imkanları ile karşılanarak maddi külfetten tamamen kurtulacağı tespit edilmiştir. Kamu yararı doğrultusunda kurulması planlanan Güneş Enerjisi Sistemleri ile ilgili gerekli olan yapı ruhsatı ve ilgili belgelerin imar mevzuatı ve ilgili diğer mevzuatlar doğrultusunda düzenlenebilmesi için anılan parselin imar planının yapılması zorunluluk arzettiğinden bu doğrultuda hazırlanan imar planının 3194 sayılı imar kanunun 8/b maddesine göre onanmasına oy birliği ile karar verildi.

Gereği için karar süretinin İmar ve Şehircilik Müdürlüğüne gönderilmesine.

Yücel BARAKAZI
Meclis Başkanı

Murat ŞANLI
Katip

Şahin ÇAKAR
Katip

Kararın Kesinleşme Şekli : Doğrudan Kesinleşmiştir

5393 Sayılı Belediye Kanununun 23. Maddesi Gereğince
Bingöl Valilik Makamına Sunulmasına

07.02.2017

Yücel BARAKAZI
Meclis Başkanı



T.C.
BİNGÖL BELEDİYE BAŞKANLIĞI
İmar ve Şehircilik Müdürlüğü

Sayı : E-41623845-000-68399
Konu : Ges

Sayın TÜRKİYE ELEKTRİK DAĞITIM A.Ş. GENEL MÜDÜRLÜĞÜNE
(Tedaş Fırat Bölge Müdürlüğü)

Mülkiyeti Belediye Başkanlığımıza ait olan Bingöl ili Merkez İlçesi Kültür Mahallesi Gölkan Mevki Ada:798 Parsel:26' da bulunan güneş enerjisinden elektrik üretim tesisi kurulmasında Belediyemiz mücavir alan sınırları içerisinde olup,bahse konu parselde yapılması planlanan güneş enerji santralinin 3194 sayılı imar kanunu ve planlı alanlar imar yönetmeliği açısından herhangi bir sakıncanın bulunmadığı hususunda;

Gereğini bilgilerinize rica ederim.

Ahmet ALTUNHAN
Belediye Başkan Yardımcısı

Bu belge, güvenli elektronik imza ile imzalanmıştır.

Doğrulama Kodu: 600b8f76-a17c-47c8-9323-d6539ba288ae

Doğrulama Linki: <https://www.turkiye.gov.tr/icisleri-belediye-ebys>

Adres: Yenışehir Mahallesi İstiklal Marşı Caddesi No:3
Telefon No: (426)213 12 18 Faks No: (426)213 12 14
e-Posta: imar@bingol.bel.tr İnternet Adresi: <http://www.bingol.bel.tr>
Kep Adresi: bingolbelediyesi@ha01.kep.tr

Bilgi için: Ömer Fikret ALTUNCU
Mühendis
Telefon No: -



Appendix-3. Copies of Title Deed(s)

BU BELGE TOPLAM 2 SAYFADAN OLUŞMAKTADIR BİLGİ AMAÇLIDIR.

Tarih: 6-9-2022-13:48



Tapu Kaydı (Aktif Malikler için Detaylı - ŞBİ var)

TAPU KAYIT BİLGİSİ

Zemin Tipi:	AnaTasınmaz	Ada/Parsel:	798/26
Taşınmaz Kimlik No:	83179671	AT Yüzölçümü(m2):	103300.89
İl/İlçe:	BİNGÖL/MERKEZ	Bağımsız Bölüm Nitelik:	
Kurum Adı:	Bingöl	Bağımsız Bölüm Brüt Yüzölçümü:	
Mahalle/Köy Adı:	KÜLTÜR Mah.	Bağımsız Bölüm Net Yüzölçümü:	
Mevkii:	GÖLKAN	Blok/Kat/Giriş/BBNo:	
Cilt/Sayfa No:	70/6884	Arsa Pay/Payda:	
Kayıt Durum:	Aktif	Ana Taşınmaz Nitelik:	SULU TARLA

MÜLKİYET BİLGİLERİ

(Hisse) Sistem No	Malik	El Birliği No	Hisse Pay/Payda	Metrekare	Toplam Metrekare	Edinme Sebebi-Tarih-Yevmiye	Terkın Sebebi-Tarih-Yevmiye
255626273	(SN:1918818) BİNGÖL BELEDİYESİ VKN:1620051706	-	1/1	103300.89	103300.89	İfraz İşlemi (TSM) 23-12-2013 6050	-

Bu belgeyi akıllı telefonunuzdan karekod tarama programları ile aşağıdaki barkodu taratarak;
veya Web Tapu anasayfasından (<https://webtapu.tkgm.gov.tr> adresinden) 4lhg_hwpJAw kodunu Online İşlemler

1 / 2

alanına yazarak doğrulayabilirsiniz.



Appendix-4. Photographic Log

Photo No: 01	
Date: 22/23.04.2025	
Location: Lot 798 of block 26	
Details/Notes:	
Photo No: 02	
Date: 13.01.2025	
Location: Lot 798 of block 26	
Details/Notes:	


Photo No: 01	
Date: 22/23.04.2025	
Location: Lot 798 of block 26	
Details/Notes:	
Photo No: 02	
Date: 22/23.04.2025	
Location: Lot 798 of block 26	
Details/Notes:	

Photo No: 01

Date:
22/23.04.2025

Location: Lot
798 of block
26

Details/Notes:



Photo No: 02

Date:
22/23.04.2025

Location: Lot
798 of block
26

Details/Notes:



Appendix-5. Construction Notice Template

“Çevreye verdiğimiz rahatsızlıktan dolayı özür dileriz!”

BİNGÖL BELEDİYESİ
1.197 kWp/ 999,5 kWe GES ALTPROJESİ YAPIM İŞİ
İşin Süresi:

Şikâyet, istek, soru ve yorumlarınız için:

YÜKLENİCİ :
ADI

Adres:

Telefon:

E-posta:

İletişim Formu:

İŞVEREN :

Adres:

Telefon:

E-posta:

İletişim Formu:

İller Bankası A.Ş.
(İLBANK)

Adres: İller Bankası A.Ş. Emniyet Mahallesi, Hipodrom
Caddesi No:9/21, Yenimahalle/ANKARA

Telefon: 0 (312) 508 79 79

E-posta: bilgiuidb@ilbank.gov.tr

İletişim Formu:

<https://www.ilbank.gov.tr/form/bilgiedinmeuluslararasi>



Appendix-6. E&S Incident Notification Form

1) Incident Details		
Date of Incident: [Please insert]	Time of Incident: [Please insert]	
Location of the Incident:	[Please insert]	
Sub-borrower Name:	[Please insert]	
Date Reported to ILBANK: [Please insert]	Reported to ILBANK by: [Please insert]	Notification Method: [Please insert]
Date Reported to WB: [Please indicate]	Reported to WB by: [Please insert]	Notification Type: [Please insert]
Contractor Name:	[Please insert]	
Sub-contractor name (please indicate if involved in the incident):	[Please insert]	
2) Type of incident (please check all that apply)		
<input type="checkbox"/> Fatality <input type="checkbox"/> Lost time injury <input type="checkbox"/> Child labor <input type="checkbox"/> Forced labor	<input type="checkbox"/> Environmental pollution incident <input type="checkbox"/> Disease outbreaks <input type="checkbox"/> Acts of violence/protest <input type="checkbox"/> Other	
3) Description/Narrative of Incident		
4) Actions taken to contain the incident		
<u>For incidents involving a Contractor:</u> Name of Contractor: _____ Have the works been suspended? Yes <input type="checkbox"/> No <input type="checkbox"/>		
5) What support has been provided to affected people		
[Please briefly describe] <div style="height: 60px;"></div>		
6) Please provide the supporting documents for the incident, victims and involved persons		
(e.g. copies of the social security registration records, victim and witness statements, notification to authorities, legal investigation reports, training records, photographs, etc.) <div style="height: 100px;"></div>		

Appendix-7. Simplified Labor Management Procedure



BİNGÖL_Simplified
Labor Management P

Appendix-8. Roles and Responsibilities

Party	Role	Key Responsibilities
Sub-borrower		
Sub-borrower	Sub-borrower Management	<ul style="list-style-type: none"> • Hold ultimate responsibility for the E&S performance of the subproject to the satisfaction of the ILBANK, including the performance of subproject contractors throughout the sub-financing agreement life cycle. • Establish Project Implementation Unit (PIU) following the execution of sub-financing agreements to carry out operational and administrative tasks to oversee the implementation of the E&S instruments and monitoring progress; allocate resources for the recruitment of in-house environmental, social and OHS staff under the PIU • Ensure that E&S instruments and procedures required by ILBANK is prepared within the timeframes agreed with ILBANK and allocate adequate financial and human resources – either from the Sub-borrower's own resources or from the Subproject loan and implement. • Cooperate with the ILBANK representatives to discuss and agree on the ESAP and other E&S covenants for incorporation into sub-financing agreements to be executed between the ILBANK and the sub-borrower (with support from RD E&S team as necessary) • Ensure that EHSS requirements of ILBANK are incorporated into relevant contractor tender and agreement documents to be prepared in collaboration with the construction supervision consultant • Hold and use the authority and responsibility to stop any subproject related work activity if it poses an imminent danger to health, safety, or the environment. • Allocate resource to ensure monitoring of subproject E&S performance and reporting to ILBANK at IFI standards in line with the sub-financing agreement conditions • Facilitate monitoring visits and audits by ILBANK and their consultants • Notify the ILBANK RD – E&S Teams of any significant E&S incident or accident within maximum 24 hours of the accident/incident; contractually require the supervision consultants and/or contractors to promptly report such incident and accidents (timeframe to be defined by ILBANK) • Prepare and submit a detailed E&S Incident Investigation Form, supplemented by an RCA to be conducted pursuant to GIIPs, to ILBANK within 15 days of the accident/incident date for significant accidents or incidents (in line with the template presented in the E&S Supervision, Monitoring and Reporting Procedure). The investigation will be supplemented by a Root Cause Analysis (RCA). • Prepare and submit semiannual E&S monitoring reports to ILBANK.
	E&S Team - Environmental staff - Social staff - OHS staff	<ul style="list-style-type: none"> • Participate in the training to be organized by ILBANK as part of ILBANK ESMS Training Procedure implementation • Ensure that E&S documentation required by ILBANK is prepared by qualified independent specialists and submitted to ILBANK for appraisal and credit. • Provide ILBANK with relevant adequate information to undertake the E&S due diligence in accordance with the ESMS (e.g. duly completed sub-borrower questionnaire and supporting documentation to be requested by ILBANK in accordance with the E&S Screening and Risk Classification and ESDD procedures) • Support the sub-borrower management as required in the review and evaluation of ESAP and other E&S covenants for incorporation into sub-financing agreements to be executed between the ILBANK and the sub-borrower • Ensure compliance of subprojects operations (including contractor activities on site) with national legislation and E&S requirements of the lending WB as included in the sub-financing agreements, ESAP and subproject-specific E&S documentation.

Party	Role	Key Responsibilities
		<ul style="list-style-type: none"> • Undertake monitoring of subproject E&S performance and reporting to ILBANK at WB standards in line with the sub-financing agreement conditions • Ensure implementation of corrective actions in case of E&S non-compliances in coordination and agreement with ILBANK DG and RD E&S teams over reasonable timeframes • Coordinate the construction supervision consultants, contractors and/or external E&S consultants for collection of the monitoring data and compilation of or providing input to periodic monitoring reports as necessary and appropriate • Allow ILBANK representatives (including individual consultants) to access subproject facilities and records
Construction Supervision Consultants ("Müşavir")	Management and E&S staff	<p>Carry out the following tasks on behalf of the sub-borrowers:</p> <ul style="list-style-type: none"> • Participate in the training sessions to be organized by sub-borrowers in line with the requirements of ILBANK ESMS Training Procedure • Supervise the construction works of contractors on-site, including implementation of subproject-specific E&S requirements by contractors on a daily basis • Ensure sufficient E&S capacity for implementation of E&S requirements as set out in the sub-financing agreements between the sub-borrower and ILBANK • Support the sub-borrowers for the supervision and review of E&S management documentation prepared by construction contractors and submit them to sub-borrowers upon finalization • Review monthly self-monitoring reports prepared by the construction contractors for early identification of E&S issues and/or non-compliances and submit them to municipalities/municipal utilities upon finalization • Prepare and submit regular monthly reports to Sub-borrower on the environmental, social and OHS issues of the Sub-Project during the construction phase • Identify E&S non-compliances on site and enforce construction contractors to undertake corrective actions within defined and agreed timeframes • Support the sub-borrowers (as requested) in the preparation of periodic E&S monitoring reports to be submitted to ILBANK in line with the ILBANK E&S Supervision, Monitoring and Reporting Procedure • Notify the sub-borrower of any significant E&S incident or accident that have taken place in subproject related operations within 24 hours.
Construction Contractor	Management and E&S staff	<ul style="list-style-type: none"> • Ensure sufficient E&S capacity for implementation of E&S requirements as set out in the construction contracts • Participate in the training sessions to be organized by sub-borrowers in line with the requirements of ILBANK ESMS Training Procedure • Prepare subproject-specific E&S management plans and procedures prior to start of construction works as required by the construction contracts • Comply with the requirements of national legislation and implement the E&S requirements as set out in the sub-financing agreements (executed between ILBANK and the sub-borrowers) and construction contracts • Submit periodic (in frequencies to be set by ESAP) E&S self-monitoring reports to the municipalities/municipal utilities through construction supervision consultants ("müşavir") – in line with the format provided by ILBANK. • Fill in monthly occupational health and safety (OHS) forms – reviewed by construction supervision consultants. • Implement corrective actions in case of E&S non-compliances under the supervision of sub-borrower's construction supervision consultant • Promptly notify the sub-borrower of any significant E&S incident or accident that have taken place in subproject related operations (timeframe to be defined by ILBANK no later than 24 hours).

Appendix-9. Chance Find Procedure

Introduction

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

Scope

This Chance Find Procedure (CFP) will be implemented for Bingöl Municipality sub-project in order to manage any chance finds that may be encountered during the construction activities. The purpose of the CFP document is to:

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

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

- topsoil stripping
- excavation and earthworks

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

Legislation and Standards

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

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

In Turkey, movable and immovable cultural and natural assets are protected and preserved by the Law on Preservation of Cultural and Natural Assets (Law No. 2863) published in the Official Gazette dated 23.07.1983 and numbered 18113. Law 2863 establishes legal protection for the following:

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

The Ministry of Culture and Tourism is the responsible body to take decisions for protection of cultural heritage in Turkey at the national level. As part of the Ministry, the High Commission for the Protection of Cultural Assets is responsible for protecting and restoring immovable cultural assets.

Implementation of the decisions and regulations issued by the Ministry are undertaken by local administrations. At local level, there are Cultural Assets Protection Regional Boards defined by the

Ministry of Culture and Tourism, which are responsible for preservation, registration and classification of cultural heritage within their respective jurisdictions. The relevant Regional Board for the project is the Erzurum Cultural Heritage Protection Regional Board Directorate.” According to Law 2863, all the natural and cultural assets qualified for legal preservation are properties of the State. Therefore, regional boards have the power and authority to provide legal protection to the preservation sites and to approve or reject all the activities, which have potential negative impacts on the preservation sites such as construction, demolition and excavation activities.

Roles and Responsibilities

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

Role	Responsibilities
Contractor - Project Manager	<ul style="list-style-type: none"> • Overall responsibility for the development, review, approval and coordination of the numerous activities required to initiate, conduct and complete construction. • Ensure that this procedure is prepared, and updated as required, based on the activities undertaken as part of the project. • Ensure that adequate resources are made available to implement the procedures and guidelines outlined in this procedure.
Contractor - Environmental and Social (E&S) Expert	<ul style="list-style-type: none"> • Initiation, development, implementation and coordination of the CFP during construction. • Ensure that adequate training is given to all site personnel and sub-contractors, covering the procedures and guidelines outlined in this procedure. Establish appropriate control procedures and conduct audits as necessary. • Consultation with and reporting to relevant government bodies in case of potential archeological chance finds. • Record all confirmed chance finds by filling up the “Chance Find Reporting Form” and maintain copies in a log-book. Ensure that the chance finds log-book is up to date.
Contractor - Site Manager	<ul style="list-style-type: none"> • Day-to-day implementation of the provisions of the CFP in the field during construction. • Notify the E&S Expert regarding potential chance finds during construction.
Employees	<ul style="list-style-type: none"> • Understand and comply with archeological chance finds procedures and guidelines outlined in this procedure. • Reporting of the potential chance finds to the Site Manager.

Impact Avoidance and Mitigation

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

- All staff involved in land clearance and excavation activities will take the responsibility for managing archaeological protection and will be trained in these aspects by the E&S Expert.
- In case any potential chance find is encountered, all construction activities will cease immediately in the vicinity of the chance find.
- The Site Manager will be contacted immediately. The discovered site location, the characteristics of the potential archaeological material and photos will be recorded by the Site Manager, who in turn will inform the E&S Expert.
- Bingöl Museum Directorate will be notified at the latest within three days after the chance find is encountered. Contact details of the Bingöl Museum Directorate are given below:
Address: Karşıyaka Mah. Zeki Ergezen Bulvarı No:5 Merkez/BİNGÖL
Telephone: +90 (0426) 2801700
E-mail: ikm12@ktb.gov.tr

- The site and its vicinity will be secured 24 hours a day against damage or loss, until inspection by the authority.
- The E&S Expert will fill up a “Chance Find Report Form” for each confirmed chance find and inform the Project Manager about the date that the construction work can resume, which is determined by the authorities concerning the conservation of the heritage.
- Further steps to be followed and proper plan to be implemented for the management of the finds (Changes in the layout, conservation, preservation, restoration and salvage) will be decided and reported in writing by the authorities in charge.
- Photographs of the potential artifacts that are likely to be encountered in the construction site are presented in the following pages to be used during the training of the relevant staff.

Verification and Monitoring

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

Reporting

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

Bingöl Municipality Subproject Chance Find Reporting Form		
REGISTRATION		
Name of recorder:		
Date and time of discovery:		
Site Name:	Coordinates	
	X	Y
Description of find:		
Photograph:		
Estimated weight and dimensions:		
CONTACT PERSON		
Name/Title/Duty:		
Date and Time:		
Contact information:		
Details of conversation:		
DECISIONS		
Any protection measures to be implemented:		
Movable or immovable: If moved, please specify the new location.		
Further actions required:		
Recommence date and time:		
Notes:		
SUBMISSION		
Name:	Date:	

Appendix-10. Change Notification Form

Change Notification Form		
Subproject Name		
Subproject Location		
Subproject Phase	<input type="checkbox"/>	Pre-construction
	<input type="checkbox"/>	Construction
	<input type="checkbox"/>	Operation
Name of the Institution Notifying the Change		
Date		
Category of the Change (please select all that apply)	<input type="checkbox"/>	Legislative Change
	<input type="checkbox"/>	Design Change
	<input type="checkbox"/>	Schedule Change due to E&S factors
	<input type="checkbox"/>	Project Schedule Changes due to technical, financial, legal or administrative factors
	<input type="checkbox"/>	Changes due to E&S issues encountered at subproject implementation
	<input type="checkbox"/>	Contractor or Construction Supervision Consultant Change
	<input type="checkbox"/>	Other (please specify below)
Detailed Description of the Change(s)		
Documents Submitted with Change Notification Form		
Name of the Staff Notifying the Change		
Position of the Staff Notifying the Change		
Signature		