



Pazarköy Solar Power Plant Project

Non-Technical Summary

PREPARED FOR



Tekno Rüzgar Enerji Yatırım Üretim
ve Ticaret A.Ş.

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ACRONYMS AND ABBREVIATIONS

Acronyms	Description
Client	Tekno Rüzgar Enerji Yatırım Üretim ve Ticaret A.Ş. a subsidiary of Fiba Yenilenebilir Enerji Holding A.Ş.
E&S	Environmental and Social
EIA	Environmental Impact Assessment
EPC	Engineering, Procurement and Construction
ERM	Environmental Resource Management
ESAP	Environmental and Social Action Plan
ESIA	Environmental and Social Impact Assessment
HS	Health and Safety
IFC	International Finance Corporation
LALRF	Land Acquisition and Livelihood Restoration Framework
PS	Performance Standards
SCMS	Supply Chain Management System
SEP	Stakeholder Engagement Plan
SIA	Social Impact Assessment
SLIP	Supplementary Information Package
SPP	Solar Power Plant
WPP	Wind Power Plant

1. INTRODUCTION

1.1 ABOUT PAZARKÖY SPP PROJECT

Tekno Rüzgar Enerji Yatırım Üretim ve Ticaret A.Ş. (referred to as "Tekno") is planning to build and operate the Pazarköy Solar Power Plant (SPP) in Balıkesir Province, Türkiye. Tekno is a subsidiary of Fiba Yenilenebilir Enerji Holding A.Ş. ("Fiba"). This solar power plant will work alongside an existing wind power plant called the Pazarköy Wind Power Plant (WPP).

The Pazarköy SPP will have an installed capacity of 31.19 megawatts (MWm) or 31.19 megawatts electric (MWe). SPI Yenilenebilir Enerji A.Ş. will handle the engineering, procurement, and construction (EPC) work. Schmid Pekintaş Güneş Enerji Sistemleri San. ve Tic. A.Ş. are the main suppliers of solar panels for the Project.

1.2 ABOUT FIBA

Fiba was established by Fiba Holding in 2007 to operate in the field of renewable energy development, production and trade and continues its activities in this field with more than 500 employees and subsidiaries. Fiba currently has 14 wind power plants and 5 solar power plants with a capacity of 581 MW in operation.

1.3 WHAT IS THIS DOCUMENT?

This document is the Non-Technical Summary (NTS) for the Pazarköy SPP of Tekno. The NTS consolidates and summarizes the key findings from the already conducted Environmental and Social Impact Assessment studies for the Projects in a non-technical language. Additionally, this document also consolidates information on the mitigation measures proposed by Tekno for the management of the Project environmental and social issues.

1.4 STANDARDS APPLIED BY THE PROJECT

Tekno commits to adhere to the applicable laws and regulations of Turkish Legislation during the Project lifetime. These requirements include (but are not limited to) the Environment Law, Occupational Health and Safety Law, Labor Law and their issued regulations. The Project aims to secure financing through local lenders. Therefore, the Project will need to comply with the International Finance Corporation (IFC) Environmental and Social Performance Standards (PS) which are more stringent than national legislation and standards.

2. PROJECT DESCRIPTION

2.1 THE PURPOSE OF THE PROJECT

Solar energy is a crucial source of clean energy production and plays a significant role in combating global warming. With Türkiye's growing energy demand, the importance of utilizing clean, independent, and infinite renewable energy sources has increased. Türkiye's solar potential is highly valuable, and the use of solar energy has been on the rise since 2013.

The Pazarköy SPP Project aims to establish a solar power plant in Balıkesir, providing sustainable and cost-effective clean energy, thereby contributing to both regional and national benefits.

The main permits and approvals applicable to the Project are given below.

TABLE 2-1 PROJECT PERMITTING STATUS

Topic	Permit	Status
General	License Applications for the Project	Obtained
Land Use	Public Interest Decision	Obtained
	Approval of Expropriation Plan	Obtained
	Expropriation Process	Ongoing
	Permit for the use of Forest Area (access roads)	Ongoing
Construction	EIA Approval	Obtained
	Permits and approvals for roads, water bodies, energy supply lines, utilization of municipal infrastructure etc.	Ongoing
	Construction Permit	Ongoing
Operation	License Application	To be Obtained
	Temporary Operating Certificate and Environmental Permit	To be Obtained

2.2 PROJECT LOCATION AND LAYOUT

Figure 2-1 provides a general overview where the Pazarköy Solar Power Project is located in Türkiye. The Project is located in the Balıkesir Province within the Balya District. It has an installed capacity of 31.19 MWm / 31.19 MWe. The Project will complement the existing Pazarköy Wind Power Plant Project, resulting in a combined capacity of 76.79 MWm / 44.00 MWe.

The Project is planned to have 2 solar power plant areas (GES), as shown in Figure 2-2. The Project will use existing roads to access the site. Two new internal access roads within the Project area will be constructed. The scope of the Project does not include overhead energy transmission lines. However, underground transmission lines will be built along the new internal access roads. The main Project components and their most important details are presented in Table 2-2 below.

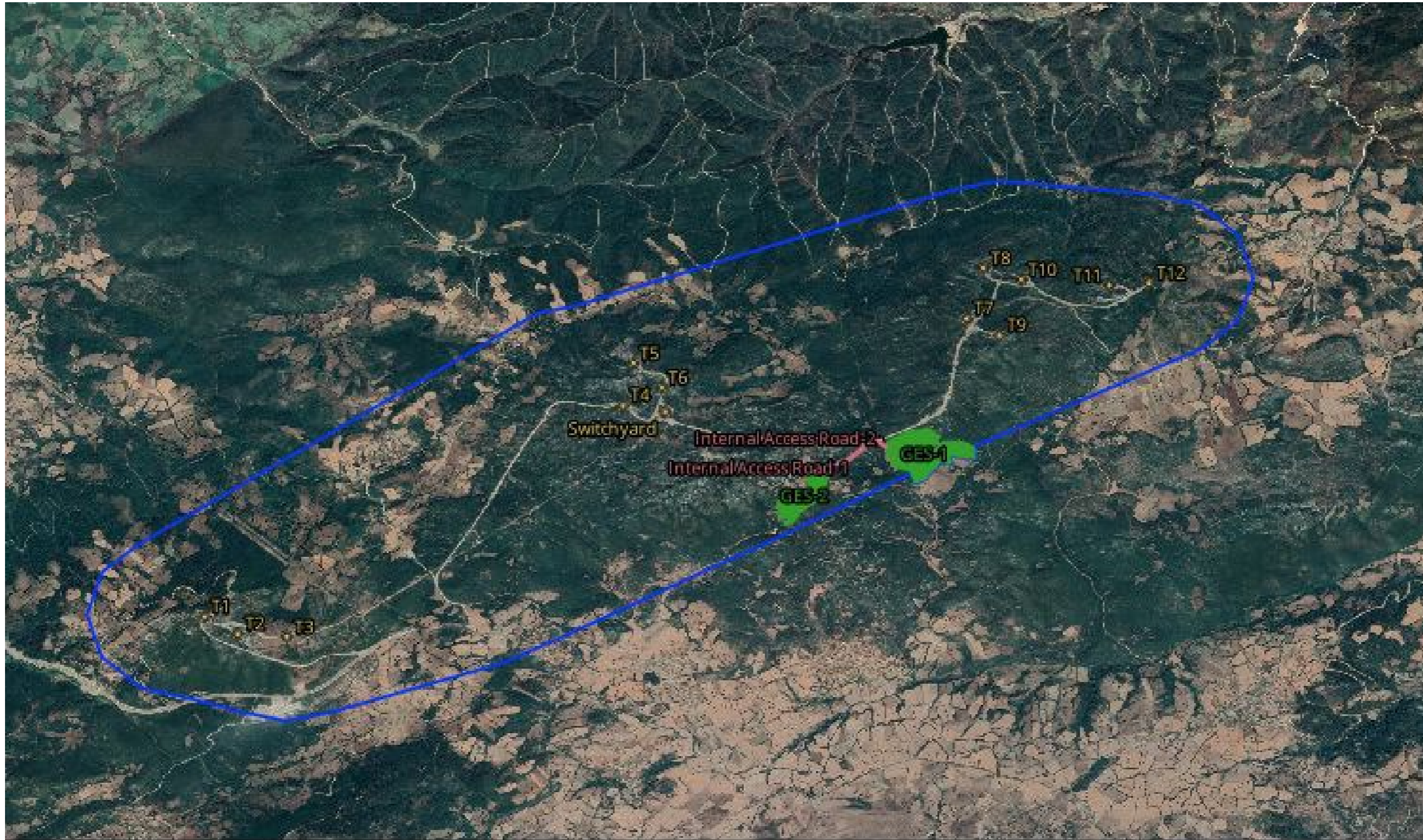
TABLE 2-2 KEY PROJECT COMPONENTS

Component	Detail(s)
Solar Power Plant Areas (GES)	2 Solar Power Plant Areas (GES 1 and GES2) are planned to be installed.
New Internal Access Roads	2 new internal access roads are planned for the Project: <ul style="list-style-type: none"> • 600m (between GES1 and existing road) • 90m (between GES2 and existing road)
Underground Transmission Lines	The installation of 2 new underground transmission lines is planned for the Project. These lines will be built along the new internal access roads: <ul style="list-style-type: none"> • 600m (between GES1 and existing road) • 90m (between GES2 and existing road)

The closest settlements to the Project are located in Havutbaşı Village. These settlements lie 1,300m south of GES2 and 1,400m southwest of GES1 (see Figure 2-3).




FIGURE 2-1 PROJECT LOCATION MAP




Legend

- License Area
- Solar Power Plant Polygons

- Internal Access Roads
- Existing Wind Turbines



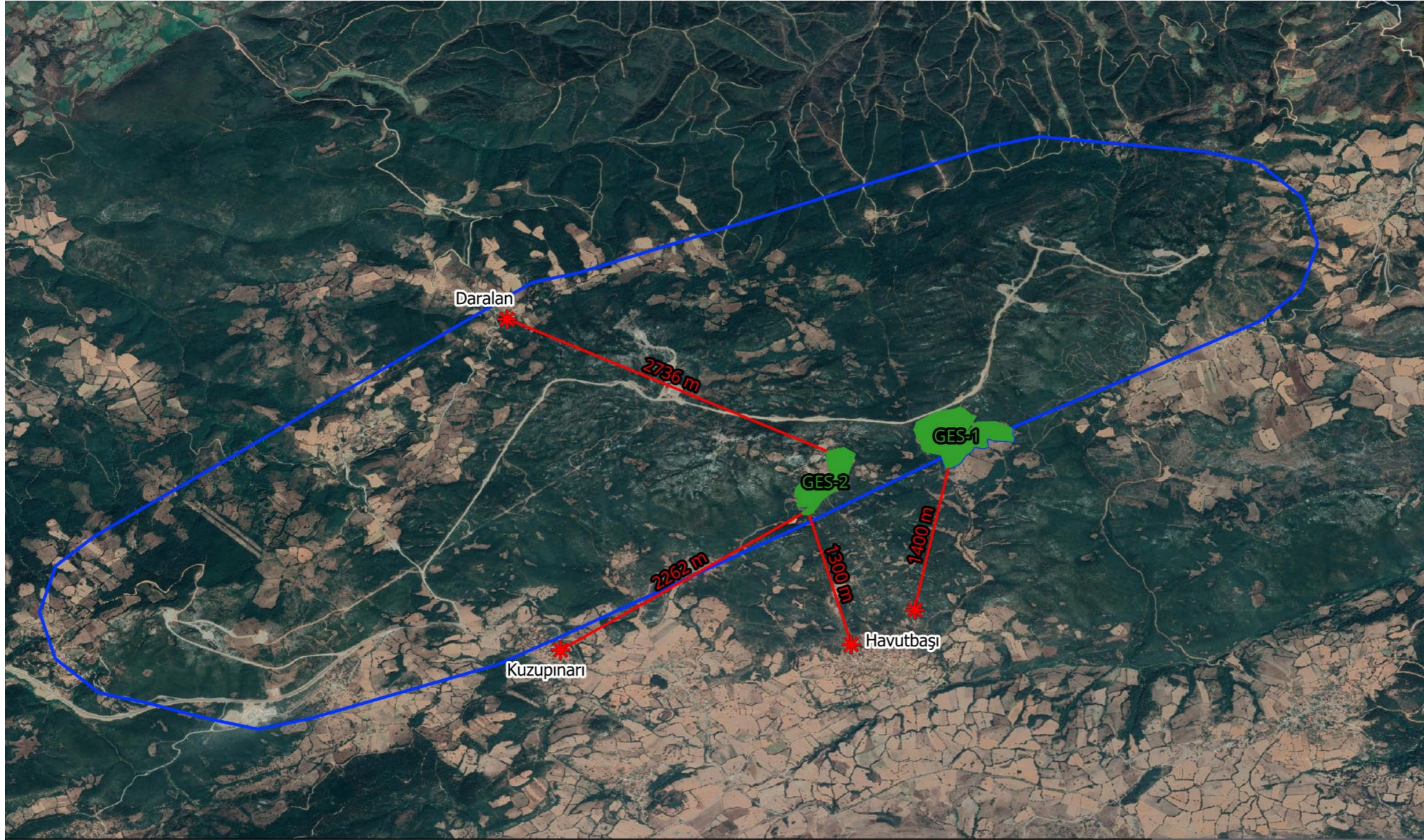
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0 1 2 km

Pazarköy Solar Power Plant
Project Layout

FIGURE 2-2 PROJECT LAYOUT



Legend * Nearest Settlements Solar Power Plant Polygons License Area	 0 1 2 km	Pazarköy Solar Power Plant
		Nearest Settlements

FIGURE 2-3 CLOSEST SETTLEMENTS

2.3 PROJECT PARTIES

Table 2-3 presents an overview of the key Project parties.

TABLE 2-3 KEY PROJECT PARTIES

Role	Entity
Project Owner	Fiba Yenilenebilir Enerji Holding A.Ş.
Special Purpose Vehicle (SPV)	Tekno Rüzgar Enerji Yatırım Üretim ve Ticaret A.Ş. a subsidiary of Fiba Yenilenebilir Enerji Holding A.Ş.
Engineering, Procurement, and Construction (EPC Contractor)	SPI Yenilenebilir Enerji A.Ş.
Primary Panel Supplier	Schmid Pekintaş Güneş Enerji Sistemleri San. ve Tic. A.Ş.

2.4 PERSONNEL PLAN FOR THE PROJECT

No construction camp or accommodation will be provided during the construction phase. A total of 20 workers are planned to be employed during this period, with a shuttle service available to transport them to and from the Project site.

During the operation phase, no additional workers will be hired. The existing wind farm staff will also manage the SPP Project.

3. MANAGEMENT OF ENVIRONMENTAL AND SOCIAL ISSUES

For the management of environmental and social issues, following mitigation measures will be implemented in the construction and operation phases of the Project (see Table 3-1 and Table 3-2).

TABLE 3-1 SUMMARY OF CONSTRUCTION MITIGATION MEASURES FOR THE PROJECT

Component	Potential Impact	Mitigation Measures
Air Quality	<ul style="list-style-type: none"> ■ PM10-PM2.5 resulted from construction activities and transportation. ■ SO₂, NO_x, resulted from construction activities and transportation. 	<ul style="list-style-type: none"> ■ Periodic maintenance of construction equipment ■ Dust suppression by street-sprinkler. ■ Implementation of relevant Management Plan/Procedures (Traffic Management Plan, Training, etc.).
Noise	<ul style="list-style-type: none"> ■ Resulted from construction activities, construction of roads and transportation. 	<ul style="list-style-type: none"> ■ Periodic maintenance of construction equipment ■ Implementation of relevant Management Plan/Procedures (Traffic Management Plan, Training, etc.).
Water usage	<ul style="list-style-type: none"> ■ The water to be used in construction and operation phase will be supplied by tankers from the nearest settlement. 	<ul style="list-style-type: none"> ■ Necessary permits to be obtained to supply water.

Wastewater	<ul style="list-style-type: none"> Domestic wastewater will be formed in the project due to worker's water usage. 	<ul style="list-style-type: none"> Septic tank will be used to collect the wastewaters. Wastewater that accumulates in the septic tank will be collected by the municipality.
Biodiversity	<ul style="list-style-type: none"> Impacts on flora and fauna components by land disturbance. Dust and noise impacts (given above). 	<ul style="list-style-type: none"> The general mitigation measures (such as, land minimization of land disturbance where possible, etc.) are defined in the EIA Report. Additional flora studies have been conducted to revise the existing studies.
Cultural Heritage	<ul style="list-style-type: none"> No tangible and intangible cultural heritage assets have been identified. 	<ul style="list-style-type: none"> Implementation of Chance Find Procedure.
Social - Economical and Land Use	<ul style="list-style-type: none"> Positive impacts are expected both for local procurement and local employment. Impacts on livelihood resources may be resulted by construction activities. 	<ul style="list-style-type: none"> Prioritizing the local procurement and employment Implementation of relevant Management Plan/Procedures (Land Acquisition Plan).
Community Health and Safety	<ul style="list-style-type: none"> Increased traffic load and potential risks. Unauthorized site access. Potential communication problems of community members with workers. Dust and noise impacts (given above). 	<ul style="list-style-type: none"> Implementation of relevant Management Plan/Procedures (Community H&S Management Plan, Traffic Management Plan, Training, etc.). Implementation of Grievance Mechanism Procedure.
Occupational Health & Safety	<ul style="list-style-type: none"> Occupational health and safety risks will mainly include activities of working at height and lifting operations. 	<ul style="list-style-type: none"> Implementation of Occupational H&S Policy/Plan/Procedures/Instructions, Emergency Response Plan, Traffic Management Plan. Training and supervision. Emergency drills. Accident/Incident Reporting and investigations. Suggestion/Complaints reporting. Regular site inspections.

TABLE 3-2 SUMMARY OF OPERATION MITIGATION MEASURES FOR THE PROJECT

Component	Potential Impact	Mitigation Measures
Noise	<ul style="list-style-type: none"> The operational noise impacts are expected to be insignificant during operation. 	<ul style="list-style-type: none"> Not Applicable
Biodiversity	<ul style="list-style-type: none"> Impacts on fauna (Birds and bats). 	<ul style="list-style-type: none"> The general mitigation measures (such as, land minimization of land disturbance where possible, etc.) are defined in the Supplementary Lender's Information Package (SLIP).

Cultural Heritage	<ul style="list-style-type: none"> ■ No tangible or intangible cultural heritage assets have been identified 	<ul style="list-style-type: none"> ■ Implementation of Chance Find Procedure.
Social - Economical and Land Use	<ul style="list-style-type: none"> ■ Positive impacts are expected both for local procurement. 	<ul style="list-style-type: none"> ■ Prioritizing the local procurement.
Community Health and Safety	<ul style="list-style-type: none"> ■ Unauthorized access to solar panels. 	<ul style="list-style-type: none"> ■ Fencing of solar panel areas. ■ Regular maintenance of the solar panels.
Occupational Health & Safety	<ul style="list-style-type: none"> ■ During operation the impacts will likely be limited to the maintenance of the solar panels. 	<ul style="list-style-type: none"> ■ Implementation of Occupational H&S Policy/Plan/Procedures/Instructions, Emergency Response Plan, Traffic Management Plan ■ Training and supervision. ■ Emergency drills. ■ Accident/Incident Reporting and investigations. ■ Suggestion/Complaints reporting. ■ Regular site inspections.

4. STAKEHOLDER ENGAGEMENT

A Stakeholder Engagement Plan (SEP) has been prepared for the construction and operational phases of the Project in line with the IFC Performance Standards. The SEP identifies target groups and the specific range of engagement activities required for each group.

Tekno has the overarching goal of developing sustainable relations with stakeholders through the lifetime of the Project and therefore will continue to engage stakeholders through various activities as detailed in the Stakeholder Engagement Program.

Tekno will provide transparent informative material in a consistent and timely manner to the affected communities and the remaining stakeholders. Communication methods to be employed vary depending on the Project phase, issue to consult/inform as well as the stakeholder type. Communication methods with stakeholders within the Project include but not limited with the following:

- Public hearings or meetings
- Workshops and seminars
- Consultations with key informants
- Focus groups
- Round tables
- Discussions as part of conducting surveys or census studies
- Consultations using electronic media
- Awareness campaigns and outreach
- Internal/external grievance mechanism

Initial engagement was conducted through the form of meetings and interviews. Tekno authorities or consultants for Tekno have gone to the affected communities to consult with the local stakeholders. These methods will continue during the construction and operational period. Construction and Operational managers of the Pazarköy SPP Project will maintain regular dialogue with the local Mukhtars of the affected settlements.

5. WHERE TO GET MORE INFORMATION?

Tekno plans to make it easy for the public to properly understand both Tekno's general and Project-specific intentions, activities, and desired outcomes. The public and relevant stakeholders are open to engage and share any comments, suggestions, questions, or complaints about the Project with Tekno.

Further information can be retrieved online at Fiba's general website, fibaenerji.com. Stakeholders and the public can reach Fiba/Tekno online, in person, or over the phone with the following contact information:

Kısıklı Cd. Sarkuysan Ak İş Mrk. No:4 A Blok K:2 Altunizade – Üsküdar / İstanbul / Türkiye;
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