



PROJECT DESCRIPTION

Zen Solar PV Projects with a capacity of 35.9 MWe aim to exploit the solar power potential in Odunpazarı, Karakeçili, Simav and Central Districts, within the borders of Eskişehir, Kırıkkale, Kütahya, Uşak and Isparta Provinces. Projects capacities are arranged as follows; 7 MWe in Isparta Province (as 7 un-licensed PV projects), 8.99 MWe in Eskişehir Province (as 9 un-licensed PV projects), 7 MWe in Kütahya Province (as 10 un-licensed PV Projects), 8.99 MWe in Uşak Province (as 9 un-licensed PV Projects) and 3.96 MWe in Kırıkkale Province (as 4 un-licensed PV Projects). The plant is expected to produce 63,274 MWh/year of energy in the first full year of production.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Potential pollution/contaminant emissions during construction/operation activities;
- Community/workers health and safety both during construction and operation phases;
- Visual Impact Assessment;
- Land use (marginal or dry marginal agricultural lands)
- Stakeholder Engagement;
- Impacts on flora and fauna;
- Without any interaction with any water surface area and protected area during project works;
- No cultural heritage site in the Project area.

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- 'EIA not Required Certificate' for the sub-projects in Isparta Province and the 'EIA Exemption Letter' for the sub-projects in Uşak, Kütahya, Eskişehir and Kırıkkale;
- Implementation of formal EHS management system;
- Implementation of labour and working conditions plan/program;
- Implementation of health and safety plan/program;
- Land acquisition / renting processes;
- Stakeholder involvement and public disclosure during construction phase and at the beginning of operation;
- Preservation of environmental and social value of the area;
- Supervision of construction activities by environmental, health and safety experts;
- Implementation of Visual Impact Assessment;
- Fauna and flora monitoring during operation.

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GENERAL INFORMATION

Project Location	Eskişehir, Kırıkkale, Kütahya, Uşak and Isparta Provinces (Odunpazarı, Karakeçili, Simav and Central Districts)
Technology	PV Solar Power Plant
Plant Capacity	35.9 MWe
Annual Energy Production	63,274,839 kWh/year
Annual CO₂ Reduction	37,458 tCO ₂ /year

TIME SCHEDULE

Start of Construction	April 2017
Expected Commercial Operation	December 2017

FINANCIAL PARAMETERS

Total Project Cost	56,000,000 USD
MidSEFF Loan	40,000,000 USD
Payback Time	6.2 years
Internal Rate of Return	10.5 %