

PROJECT DESCRIPTION

The Aktaş Solar PV Projects with a capacity of 15.25 MWe aim to exploit the solar power potential within the borders of Erzurum Province in the Eastern Anatolia Region, Aydın, Muğla and İzmir Provinces in the Aegean Region and in the Adana Province in the Mediterranean Region of Turkey. The plant is expected to produce 15.25 MWh/year of energy in the first full year of production. The energy produced will allow saving over 15,244 tCO₂/year equivalent.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

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

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- “EIA Exemption” Decision for the Project obtained by related the Authority;
- Non-Agricultural Utilization Permit;
- Implementation of a formal EHS management system;
- Implementation of labor health and safety and working conditions plan/program;
- Health and safety for workers and the community;
- Land acquisition / renting processes;
- Stakeholder involvement and public disclosure during construction and operation;
- Implementation of Visual Impact Assessment;
- Supervision of construction activities by environmental, health and safety experts;
- Post construction analysis, including flora - fauna monitoring.

GENERAL INFORMATION

Project Location	Erzurum, Aydın, Muğla, İzmir and Adana Provinces (Yakutiye, Karacasu, Menteşe, Menemen and İmamoğlu Districts)
Technology	PV Solar Power Plant
Plant Capacity	15.25 MWe
Annual Energy Production	25,750 MWh/year
Annual CO₂ Reduction	15,244 tCO ₂ /year

TIME SCHEDULE

Start of Construction	April 2017
Commercial Operation	December 2017

FINANCIAL PARAMETERS

Total Project Cost	EUR 17,013,307
MidSEFF Loan	EUR 10,761,367
Payback Time	5.7 years
Internal Rate of Return	12.1 %

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