

PROJECT DESCRIPTION

The Çiftay Solar PV Project with a capacity of 34.5 MWe aims to exploit the solar power potential in Ayaş, Gölbaşı & Seferihisar Towns and Karataş Village within the borders of Ankara, İzmir and Şanlıurfa Provinces, respectively. The unlicensed projects' capacities are arranged as follows; 5 x 0.92 MWe (4.6 MWe-capacity) Ayaş Town; 5 x 0.99 MWe (4.95 MWe-capacity) Oyaca District, Gölbaşı Town; 4 x 0.99 MWe (3.96 MWe-capacity) Topaklı District, Gölbaşı Town; 8 x 0.999 MWe (7.992 MWe-capacity) Seferihisar Town and 13 x 0.999 MWe (12.987 MWe-capacity) Karataş Village. The plant is expected to produce 67,057 MWh/year of energy in the first full year of production equivalent to cover the demand for over 19,159.1 households. The energy produced will allow saving over 38,155.4 tCO₂/year.

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 (dry marginal agricultural land);
- ⦿ 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 Exemption decision and "EIA Not Required" certificate obtained from the related 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;
- ⦿ Preservation of environmental and social value of the area;
- ⦿ Implementation of Visual Impact Assessment;
- ⦿ Supervision of construction activities by environmental, health and safety experts;
- ⦿ Implementation of mitigation measures to protect flora & fauna

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GENERAL INFORMATION

Project Location	Ankara, İzmir and Şanlıurfa Provinces
Technology	PV Solar Power Plant
Plant Capacity	34.5 MWe
Annual Energy Production	67,057 MWh/year
Annual CO₂ Reduction	38,155.4 tCO ₂ /year

TIME SCHEDULE

Start of Construction	August 2017
Commercial Operation	June 2018

FINANCIAL PARAMETERS

Total Project Cost	USD 46,348,044
MidSEFF Loan	USD 38,600,000
Payback Time	6.38 years
Internal Rate of Return	10.88 %