



PROJECT DESCRIPTION

Stars Solar PV Project with a capacity of 7 MWe aims to exploit the solar power potential in Şereflikoçhisar Town, within the borders of Ankara Province in the Central Anatolian Region. Project capacities are arranged as follows; 3 MWe in Büyükkışla neighborhood (as 3 un-licensed PV sub-projects) and 4 MWe in Fadıllı neighbourhood (as 4 un-licensed PV sub-projects). The plant is expected to produce 13,249 MWh/year of energy in the first full year of production equivalent to cover the demand for over 3,785 households. The energy produced will allow saving over 7,843 tCO₂/year.

Developed by



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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 especially for 3 endemic flora species existing at Sümer 1-2-3-4 Project location site;
- There will not be any interaction with any water surface area and protected area;
- There is no cultural heritage site in the Project area.

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- “EIA Exemption” Decision for the Project obtained by 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;
- Implementaion 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	Ankara Province (Şereflikoçhisar Town)
Technology	PV Solar Power Plant
Plant Capacity	7 MWe
Annual Energy Production	13,249 MWh/year
Annual CO₂ Reduction	7,843 tCO ₂ /year

TIME SCHEDULE

Start of Construction	June 2017
Expected Commercial Operation	October 2017

FINANCIAL PARAMETERS

Total Project Cost	EUR 10,139,050
MidSEFF Loan	EUR 6,890,000
Payback Time	7.13 years
Internal Rate of Return	8.9 %