

PROJECT DESCRIPTION

Yaysun PV Project with a total capacity of 9.98 MWe aims to exploit the solar power potential within the borders of Zengen District, Konya Province. The plant is expected to produce 20,605 MWh/year of energy equivalent in the first full year of production. The energy produced will allow saving over 12,902 tCO₂/year equivalent to cover the demand for over 9,962.86 households.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Soil & water quality/air emissions during construction / operation activities;
- Community/labor health and safety;
- Labor and working conditions;
- Stakeholder Engagement;
- Impacts on flora and fauna and landscape (Yaysun SEPP is located 2km north of the Key Biodiversity Area (KBA))
- Cumulative Environmental & Social Impacts
- Land acquisition process
- Visual Impacts

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- The final EIA decision has been obtained
- Supervision of construction activities by Environmental, Health and Safety experts;
- Implementation of formal EHS Management System;
- Implementation of human resource policies and procedures and workers' safety and protection action plans;
- Implementation of stakeholder engagement activities through Corporate Social Responsibility (CSR) Plan;
- Implementation of internal/external grievance mechanisms for workers and community;
- Implementation of visual impact assessment studies;
- Undertaking cumulative impact assessments studies;
- Top soil management before/during construction and operation;
- Fauna and flora monitoring (particularly for bird species) by implementing additional surveys and assessments;

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GENERAL INFORMATION

Project Location	The Zengen District, Konya Province
Technology	PV Solar Power Plant
Plant Capacity	9.98 MWe
Annual Energy Production	20,605 MWh/year
Annual CO₂ Reduction	12,902 tCO ₂ /year

TIME SCHEDULE

Start of Construction	March 2018
Expected Commercial Operation	September 2018

FINANCIAL PARAMETERS

Total Project Cost	USD 19,016,595
MidSEFF Loan	USD 9,645,243
Payback Time	7.46 years
Internal Rate of Return	10.21 %