

PROJECT DESCRIPTION

The Koyuncu Solar PV project consists of eight 1-MWe unlicensed solar PV sub-projects in Konya Province with a total 8 MWe installed capacity. The plant is expected to produce 14.7 GWh/year in the first full year of production which is equivalent to cover the annual demand for over 3500 households. The energy produced by the project will allow saving over 8,702 tCO₂/year.

CARBON FINANCE

The Project Sponsor has not considered the carbon finance yet.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- ⦿ Potential air emissions during construction activities;
- ⦿ Waste management;
- ⦿ Landscape impact assessment;
- ⦿ Non-agricultural land usage;
- ⦿ Impacts on flora and fauna;
- ⦿ Stakeholder Engagement;
- ⦿ Community & workers' health and safety both during construction and operation phases;

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- ⦿ Supervision of the construction activities by environmental, social and health & safety experts;
- ⦿ Implementation of workers' health and safety protection action plans;
- ⦿ Preparation of Landscape Impact Assessment;
- ⦿ Implementation of the soil protection project requirements;
- ⦿ Monitoring for the dust emissions during construction;
- ⦿ Stakeholder Engagement Plan implementation to involve and inform the stakeholders and to reduce the risk of conflicts with ensuring good public relations;
- ⦿ Implementation of a Waste Management Plan for the construction and operation phases of the project.

GENERAL INFORMATION

Project Location	Çumra and Güneysinir Districts, Konya Province
Technology	PV Solar Power Plant
Plant Capacity	8 MW
Annual Energy Production	14.7 GWh/year

TIME SCHEDULE

Start of Construction	February 2017
Expected Commercial Operation	September 2017

FINANCIAL PARAMETERS

Total Project Cost	EUR 11,400,000
MidSEFF Loan	EUR 8,500,000
Payback Time	8.66 years
Internal Rate of Return	8.75 %

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