

## PROJECT DESCRIPTION

Soho Solar PV Projects with a capacity of 17.9 MWe aim to exploit the solar power potential within the borders of 5 different cities in Turkey. Projects capacities are arranged as follows; 2.512 MW in Antalya, 3.96 MW in Corum, 5.082 MW in Eskisehir (as two SEPPs), 4.042 MW in Usak (as three SEPPs) and 2.34 MW in Mersin.

The plant is expected to produce 28.99 GWh/year in first full year of production equivalent to cover the demand for over 13 thousand households. The energy produced will allow saving over 17,275 tCO<sub>2</sub>/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;
- Landscape Impact Assessment;
- Non-Agricultural utilization permit;
- Stakeholder Engagement;
- Impacts on flora and fauna;
- Glint and glare effect;

## MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- Supervision of the construction activities by environmental, social and health & safety;
- Implementation of workers' safety and protection action plans;
- A desk based Glint and Glare study for Eskişehir Kertek Project Location
- Implementation of Landscape Impact Assessment
- The PC recommends putting in place monitoring activities on dust 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 desk study for assessment of flora and fauna, especially for the aquatic habitats for specific locations
- Implementation of Waste Management Plan during construction and operation phases.

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## GENERAL INFORMATION

<b>Project Location</b>	Antalya, Corum, Eskisehir-Elcik, Eskisehir-Kertek, Usak and Mersin
<b>Technology</b>	PV Solar Power Plant
<b>Plant Capacity</b>	17.9 MWe
<b>Annual Energy Production</b>	28.99 GWh/year
<b>Annual CO<sub>2</sub> Reduction</b>	17,275 tCO <sub>2</sub> /year

## TIME SCHEDULE

<b>Start of Construction</b>	June 2016
<b>Expected Commercial Operation</b>	July 2017

## FINANCIAL PARAMETERS

<b>Total Project Cost</b>	EUR 22,325,800
<b>MidSEFF Loan</b>	EUR 17,015,940
<b>Payback Time</b>	6.4 years
<b>Internal Rate of Return</b>	12.0 %