

## PROJECT DESCRIPTION

Koyuncu Nevşehir SEPP project is composed of 10 different SEPP projects located in Çardak Bayırı, Süzme and Mağara Locations of Nevşehir Province with a total 8.15 MWe installed capacity. The plant is expected to produce 14.6 GWh/year in the first full year of production which is equivalent to cover the annual demand for over 3,476 households. The energy produced by the project will allow saving over 8,643 tCO<sub>2</sub>/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;
- ⦿ 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;
- ⦿ Implementation of Landscape Impact Assessment;
- ⦿ Implementation of the soil protection project requirements;
- ⦿ The PC requires 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	
<b>Project Location</b>	Çardak Bayırı, Süzme and Mağara Locations, Nevşehir Province
<b>Technology</b>	PV Solar Power Plant
<b>Plant Capacity</b>	8.15 MW
<b>Annual Energy Production</b>	14.4 GWh/year
TIME SCHEDULE	
<b>Start of Construction</b>	February 2017
<b>Expected Commercial Operation</b>	September 2017
FINANCIAL PARAMETERS	
<b>Total Project Cost</b>	EUR 8,434,276
<b>MidSEFF Loan</b>	EUR 6,729,475
<b>Payback Time</b>	9.06 years
<b>Internal Rate of Return</b>	8.10 %