

## PROJECT DESCRIPTION

The Caba Solar PV Project with a capacity of 17.988 MWe aims to exploit the solar power potential in the Osmaniye and Gaziantep Provinces. The unlicensed projects' capacities are arranged as follows; 3x0.99975 MWe (2.99 MWe-capacity) in Toprakkale District, Aslanpınarı Village; 1x0.99975 MWe (0.99 MWe-capacity) in Osmaniye Central District, Bahçe Village; 3x0.99975 MWe (2.99 MWe-capacity) in Kadirli District, Mehedinli Village; 1x0.99975 MWe (0.99 MWe-capacity) in Central District, Tehçi Village within the borders of Osmaniye Province and 10x0.999 MWe (9.99 MWe-capacity) in the Sarıbaşak Neighborhood, Şahinbey District, Gaziantep Province. The plant is expected to produce 34,870 MWh/year of energy in the first full year of production equivalent to cover the demand for over 9,963 households. The energy produced will allow saving over 19,841 tCO<sub>2</sub>/year.

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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;
- Without any interaction with any water surface area and protected area during project works;
- No cultural heritage site in the Project area.

## MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- EIA Exemption decisions have been obtained from the related Authority;
- Non-Agricultural Utilization Permit;
- Implementation of a formal EHS management system;
- Implementation of labor health and safety and working conditions, plan/program 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;
- Implementation of Visual Impact Assessment;
- Supervision of construction activities by environmental, health and safety experts;
- Preparation of desk-based flora & fauna study, monitoring may become necessary, if need.

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### GENERAL INFORMATION

<b>Project Location</b>	The Osmaniye and Gaziantep Provinces
<b>Technology</b>	PV Solar Power Plant
<b>Plant Capacity</b>	17.988 MWe
<b>Annual Energy Production</b>	34,870 MWh/year
<b>Annual CO<sub>2</sub> Reduction</b>	19,841 tCO <sub>2</sub> /year

### TIME SCHEDULE

<b>Start of Construction</b>	February 2017
<b>Commercial Operation</b>	February 2018

### FINANCIAL PARAMETERS

<b>Total Project Cost</b>	USD 23,200,000
<b>MidSEFF Loan</b>	USD 21,000,000
<b>Payback Time</b>	6.21 years
<b>Internal Rate of Return</b>	10.81 %