



PROJECT DESCRIPTION

The Met-gün Solar PV Projects with a capacity of 48.946 MWe aim to exploit the solar power potential within the borders of Elbistan and Tire Towns, Kahramanmaraş and İzmir Provinces, respectively. Project capacities are arranged as follows; 43.956 MWe in Gökçek Neighbourhood, Elbistan Town (as 44 un-licensed PV sub-projects) and 4.990 MWe in Derebaşı Neighbourhood, Tire Town (as 10 un-licensed PV sub-projects). The plant is expected to produce 95,463 MWh/year of energy in the first full year of production equivalent to cover the demand for over 27,275 households. The energy produced will allow saving over 54,318 tCO₂/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;
- Visual Impact Assessment;
- Land use (dry marginal agricultural land and private-registered);
- 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" Decision for the Project obtained by related Authority;
- Non-Agricultural Utilization Permit;
- Implementation of a formal EHS management system;
- Implementation of labor health and safety and working conditions plan/program;
- Health and safety 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;
- Post construction analysis, including flora - fauna monitoring.

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GENERAL INFORMATION

Project Location	Kahramanmaraş and İzmir Provinces (Elbistan and Tire Towns)
Technology	PV Solar Power Plant
Plant Capacity	48.946 MWe
Annual Energy Production	95,463 MWh/year
Annual CO₂ Reduction	54,318 tCO ₂ /year

TIME SCHEDULE

Start of Construction	March 2017
Expected Commercial Operation	December 2017 (Kahramanmaraş) September 2017 (İzmir)

FINANCIAL PARAMETERS

Total Project Cost	USD 55,145,000
MidSEFF Loan	USD 44,500,000
Payback Time	5.09 years
Internal Rate of Return	15.13 %