

PROJECT DESCRIPTION

Me - Se Solar PV Project with a total capacity of 9.9 MWe aims to exploit the solar power potential within the borders of the Battalgazi District, Malatya Province. The plant is expected to produce 19,179 MWh/year of energy in the first full year of production. The energy produced will allow saving over 11,848 tCO₂/year.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- ⦿ Soil&water pollution/air emissions during construction/ operation activities;
- ⦿ Community/workers health and safety both during construction and operation phases;
- ⦿ Stakeholder Engagement;
- ⦿ Impacts on flora and fauna (Me – Se SEPP is located inside Sarayönü Key Biodiversity Area (KBA))
- ⦿ Cumulative Impacts
- ⦿ Land acquisition / renting processes
- ⦿ Impacts on landscape (Me-Se SEPP will be visible from residential properties to the north of Karatepe Village)

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- ⦿ “EIA is Not Required” certificate has been obtained;
- ⦿ Supervision of construction activities by Environmental, Health and Safety experts;
- ⦿ Implementation of formal EHS Management System;
- ⦿ Implementation of human resource policies and procedures and workers’ safety and protection action plans;
- ⦿ Implementation of stakeholder engagement activities through Corporate Social Responsibility (CSR) Plan;
- ⦿ Implementation of internal/external grievance mechanisms for workers and community;
- ⦿ Implementation of visual impact assessment studies;
- ⦿ Undertaking cumulative impact assessments studies;
- ⦿ Top soil management before/during construction and operation;
- ⦿ Fauna and flora monitoring to identifying, minimizing, and mitigating biodiversity impacts of the project in determined periods.

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GENERAL INFORMATION

Project Location	Konya Province, Sarayönü District, Karatepe Village
Technology	PV Solar Power Plant
Plant Capacity	9.9 MWe
Annual Energy Production	19,179 MWh /year
Annual CO₂ Reduction	11,848 tCO ₂ /year

TIME SCHEDULE

Start of Construction	March 2018
Expected Commercial Operation	September 2018

FINANCIAL PARAMETERS

Total Project Cost	USD 16,462,196
MidSEFF Loan	USD 6,094,114
Payback Time	8.15 years
Internal Rate of Return	10.8 %