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PROJECT DESCRIPTION

IOTA Solar PV Project with a total capacity of 9.95 MWe aims to exploit the solar power potential within the borders of the Battalgazi District, Malatya Province. The plant is expected to produce 18,460 MWh/year of energy in the first full year of production. The energy produced will allow saving over 12,902 tCO₂/year equivalent to cover the demand for over 4,681 households.

ENVIRONMENTAL AND SOCIAL KEY ISSUES

- ⦿ Soil & water pollution/air emissions during construction/ operation activities;
- ⦿ Community/labor health and safety;
- ⦿ Stakeholder Engagement;
- ⦿ Impacts on flora and fauna;
- ⦿ Cumulative Environmental & Social Impacts;
- ⦿ Land acquisition processes;
- ⦿ Visual Impacts.

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- ⦿ The EIA Process is ongoing;
- ⦿ 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 (particularly for bird species) by implementing additional surveys and assessments;

GENERAL INFORMATION

Project Location	Malatya Province (Battalgazi District, Firinci Village)
Technology	PV Solar Power Plant
Plant Capacity	9.95 MWe
Annual Energy Production	18,460 MWh/year
Annual CO₂ Reduction	12,902 tCO ₂ /year

TIME SCHEDULE

Start of Construction	March 2019
Expected Commercial Operation	September 2019

FINANCIAL PARAMETERS

Total Project Cost	USD 18,349,010
MidSEFF Loan	USD 5,917,000
Payback Time	8.4 years
Internal Rate of Return	8.37 %