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European Bank
for Reconstruction and Development

PROJECT DESCRIPTION

MT Solar Dogal PV Project aims to exploit the solar power potential within the borders of the Zengen District, Konya Province. Project capacity will be 9.98 MWe. The plant is expected to produce 20,605 MWh/year of energy in the first full year of production. The energy produced will allow saving over 25,804 tCO₂/year equivalent to cover the demand for over 4681 households

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;
- Cumulative Environmental & social Impacts;
- Land acquisition / renting processes;
- Impacts on landscape in terms of land use.

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MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- EIA Exemption Decision 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 (particularly for bird species) by implementing additional surveys and assessments;

GENERAL INFORMATION

Project Location	Konya Province, Zengen District
Technology	PV Solar Power Plant
Plant Capacity	9.98 MWe
Annual Energy Production	20,605 MWh/year
Annual CO₂ Reduction	12,902 tCO ₂ /year

TIME SCHEDULE

Start of Construction	March 2018
Expected Commercial Operation	September 2018

FINANCIAL PARAMETERS

Total Project Cost	USD 18,933,629
MidSEFF Loan	USD 8,236,292
Payback Time	7.26 years
Internal Rate of Return	10.46 %