

PROJECT DESCRIPTION

Omicron Engil Solar PV Project with a total capacity of 9.95 MWe aims to exploit the solar power potential in Edremit District within the borders of Van Province. The plant is expected to produce 18,965 MWh/year in the first full year of production. The energy produced will allow saving 11,066 tCO₂/year equivalent to cover the demand for over 4761.9 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;
- No cultural heritage site in the Project area.

MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- 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 to identifying, minimizing, and mitigating biodiversity impacts of the project in determined periods.

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GENERAL INFORMATION

Project Location	Van Province (Edremit District)
Technology	PV Solar Power Plant
Plant Capacity	9.95 Mwe
Annual Energy Production	18,965 MWh/year
Annual CO₂ Reduction	11,066 tCO ₂ /year

TIME SCHEDULE

Start of Construction	March 2018
Expected Commercial Operation	September 2018

FINANCIAL PARAMETERS

Total Project Cost	USD 18,447,205
MidSEFF Loan	9,198,000
Payback Time	8.1 years
Internal Rate of Return	9.64 %