

## PROJECT DESCRIPTION

PSI Engil Solar PV Project aims to exploit the solar power potential within the borders of the Edremit District, Van Province. The project capacity will be 9.95 MWe. The plant is expected to produce 19,753 MWh/year of energy equivalent in the first full year of production. The energy produced will allow saving over 11,066 tCO<sub>2</sub>/year.

## ENVIRONMENTAL AND SOCIAL KEY ISSUES

- Soil & water quality/air emissions during construction / operation activities;
- Community/labor health and safety;
- Labor and working conditions;
- Stakeholder Engagement;
- Impacts on flora and fauna and landscape
- Cumulative Environmental & Social Impacts
- Land acquisition process
- Visual Impacts

## MITIGATIONS/SUCCESSFUL IMPLEMENTATION

- The final EIA decision<sup>1</sup> 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;

<sup>1</sup> The EIA process is ongoing for PSI Engil SFPP

## GENERAL INFORMATION

<b>Project Location</b>	The Edremit District, Van Province,
<b>Technology</b>	PV Solar Power Plant
<b>Plant Capacity</b>	9.95 MWe
<b>Annual Energy Production</b>	19,753 MWh/year
<b>Annual CO<sub>2</sub> Reduction</b>	11,066 tCO <sub>2</sub> /year

## TIME SCHEDULE

<b>Start of Construction</b>	March 2019
<b>Expected Commercial Operation</b>	September 2019

## FINANCIAL PARAMETERS

<b>Total Project Cost</b>	USD 18,229,272
<b>MidSEFF Loan</b>	USD 6,379,000
<b>Payback Time</b>	7.64 years
<b>Internal Rate of Return</b>	9.77 %

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