



VINH HAO 6 SOLAR POWER PROJECT

Document Prepared By Numerco Limited

Project Title	VINH HAO 6 SOLAR POWER PROJECT
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1 SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

The project activity involves the construction of a solar power plant in Vinh Hao commune, Tuy Phong district, Binh Thuan province, Vietnam. The main purpose of this project activity is to generate clean form of electricity through renewable solar energy sources by using PV technology. The installed capacity and estimated annual gross power generation is 41MW (corresponding to peak capacity of 50MWp) and 83,750 MWh per year, respectively.

The aim of the project is to generate electricity by the efficient utilization of the available solar energy by project activity replace the grid electricity, which is constituted of different fuel sources, mainly fossil fuels. The electricity produced by project activity result in emission reduction. Thus, the project has a significant contribution to climate protection and to sustainable development in the region.

The project contributes to Sustainable Development Goals as described below:

- SDG 7 - Affordable and Clean Energy: The project activity adds an average of 83,750 MWh of power to the grid every year, replacing fossil fuel powered electricity.
- SDG 8 - Decent Work and Economic Growth: The project provides employment opportunities to local people.
- SDG 13 - Climate Action: The project realizes emission reduction of 70,411 tonnes of CO₂ per year approximately.

2 PROJECT CONTRIBUTIONS

The project's quantifiable contributions to specific targets and indicators of the Sustainable Development Goals (SDGs) are provided in Table 1 : Sustainable Development Contributions:

Table 1 : Sustainable Development Contributions

Row number	SDG Target	SDG Indicator	Net Impact on SDG Indicator	Current Project Contributions	Contributions Over Project Lifetime
1)	7.2	7.2.1 Renewable energy share in the total final energy consumption	Implemented activities to increase	<p>The project produces electricity from renewable energy sources using solar power as the power source and contributes to Vietnam's growing electricity demand through a sustainable and low carbon technology.</p> <p>Prevented 118444.24 MWh electricity generation from fossil fuels. for the monitoring period 18 Jun 2019 to 31 May 2021</p> <p>The project improved the fossil fuel dominated fuel mix of the electricity generation in the power grid by providing clean and renewable energy source and helped to energy supply security.</p>	Prevented the generation of 83750 MWh /year electricity generation from fossil fuels. ¹

¹This value has been verified during the 1st Verification of the Project Activity. Please see: <https://registry.terra.org/app/projectDetail/VCS/2040>

2)	8.2	Job creation for local people in a high-value added sector	Implemented activities to increase	<p>During construction and operational period, the project has created approx. 40 number of employment opportunities for the local community. The project contributes to the economic development of the region by providing sustainable energy resources.</p> <p>As contributing to SGD 8 Decent Work and Economic Growth, jobs have been created.</p>	As contributing to SGD 8 Decent Work and Economic Growth, the project has created employment opportunities for the local community.
3)	13.0	Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase	By producing electricity from solar energy, the project activity has prevented the release of 100,582 tCO ₂ of carbon for the monitoring period 18 Jun 2019 to 31 May 2021 into the atmosphere during the reporting period.	Prevented the release of 70411 tCO ₂ per year of carbon into the atmosphere ²

²This value has been verified during the 1st Verification of the Project Activity. Please see: <https://registry.terra.org/app/projectDetail/VCS/2040>