



# NEGROS ISLAND SOLAR POWER INC.

## PROJECT



Document Prepared By EKI Energy Services Limited

<b>Project Title</b>	Negros Island Solar Power Inc. Project
<b>Project ID</b>	1735
<b>Project Start Date</b>	02-March-2016
<b>SD Contributions Reporting Period</b>	02-March-2016 to 26-April-2020 (both days included)
<b>Date of Issue</b>	11-August-2021
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# 1 SUMMARY OF SUSTAINABLE DEVELOPMENT CONTRIBUTIONS

The Negros Island Solar Power Inc. Project (hereafter referred as “the project” involves the installation of 32 MW La Carlota Solar Power Plant, which includes two (02), phases of 18 MW and 14 MW, and 48MW Manapla Solar Power Plant. The total installed capacity of the project is 80MW. The Plants are Greenfield, stand-alone power plants with a gross peak generation capacity of 32 MWp and 48 MWp DC intended to provide daytime power to the grid throughout the entire year. The design concept is for La Carlota Phase 1, phase 2 and Manapla approximately 70,000 modules, 54,000 modules and 179,000 modules respectively which have been designed to ensure optimum energy efficiency. The project contributes additional peak power to the Visayas grid and assists in stabilizing the power supply in San Carlos City while helping meet the growing energy demand in the region. The average annual exported power generation is expected to be 119,312 MWh.

The purpose of the project activity is to generate power using renewable energy source (solar energy) and sell the power generated to the state grid. The project activity is located on Negros Island, within the Cebu-Negros-Panay sub-grid of the Visayas electricity grid.

The Implementation timeline of the project is tabulated below:

Event	32MW La Carlota	48MW Manapla
Date of construction	03-November-2014	28-May-2015
Commissioning Date	02-March-2016	08-March-2016

The total estimated emission reductions during the entire crediting period of 10 years will be approximately 660,390 tCO<sub>2</sub>e. The emission reduction of the project during the second monitoring period (26-November-2017 to 26-April-2020) is 155,337 tCO<sub>2</sub>e.

For SDG-7, Negros Island Solar Power Inc. Project has produced 280,655 MWh of clean energy and supplied it to Indian grid. The evidence for the same is provided in Appendix-1.

For SDG-13, Negros Island Solar Power Inc. Project has prevented the release of 155,337 tCO<sub>2</sub>e into the atmosphere during the reporting period. The evidence for the same is provided in Appendix-1

## 2 PROJECT 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	About 280,655 MWh, renewable electricity has supplied to Indian grid during the reported period that helps to increase the renewable energy share in the energy mix.	About 469,184.94 (188,529.94+ 280,655) MWh renewable electricity has supplied to Indian grid that helps to increase the renewable energy share in the energy mix.
2)	13	Tonnes of greenhouse gas emissions avoided or removed	Implemented activities to increase	By supplying 280,655 MWh clean electricity to Indian grid, the project avoided release of 155,337 tCO <sub>2</sub> in to the atmosphere during the reporting period	Prevented the release of 259,688 (104,351 + 155,337) tCO <sub>2</sub> into the atmosphere.

# APPENDIX 1: SUPPORTING EVIDENCE

1. Supporting evidence for amount of clean energy generated from the project (SDG-7) can be referred from <https://registry.verra.org/app/projectDetail/VCS/1735>
2. Supporting evidences for the tonnes of greenhouse gas emissions avoided or removed (SDG-13) can be referred from: <https://registry.verra.org/app/projectDetail/VCS/1735>