

Cuamba Solar Project- Non-Technical Summary

General Description:

The Cuamba Solar Project is a 18.785 MW_{DC} & 15 MW_{AC} greenfield (new) grid-connected power generation project developed by Central Eléctrica De Teterane S.A. The main purpose of the project activity is to generate electrical energy through sustainable means i.e. using renewable solar energy with the help of state of art technology (Solar PV), the generated green electricity will contribute to climate change mitigation efforts by replacing the equivalent quantity of electricity generated from fossil fuels based power plants connected to the electricity grid. This discussed project activity is not registered under any carbon-credit mechanism. South Pole is now developing this project under the voluntary carbon mechanism i.e., Gold Standard for Global Goals (GS4GG).

Project Details:

The project has an installed DC capacity of 18.785 MW (...MWac) which is more than 15 MW, therefore applies as a Large-Scale project.. The project activity is located adjacent to Cuamba town, in the west of Niassa Province, Mozambique. The Solar PV system will mainly consist of PV modules, module mounting structures, inverters, regulators, monitoring devices, etc. The project will produce 36,088 MWh of electricity, thereby displacing fossil fuel based grid electricity that will reduce 28,185 tCO₂/Annum. Total length of project crediting period under GS4GG mechanism is 5 Years (renewable twice i.e., 15 years). Start date of crediting period 31/03/2023 (Expected date of commissioning).

Sustainable Development Goals achieved by the project activity:

The project activity is not only generating renewable electricity but also resulting in sustainable, economic and environmental development.

Summary of economic, social and environmental impacts of the Project


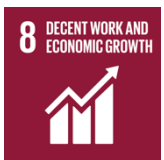

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- **Social well-being:** The project activity will generate direct & indirect job opportunities to the local people during construction, erection & commissioning, and maintenance of the Solar power project which would eventually help in social upliftment of the local population. This type of

projects provides strength to the national energy security as well as supports in the technological advancement of the society.

- **Environmental well-being:** Solar Power Project is considered as one of the cleanest renewable sources of energy and does not involve any fossil fuel. There are no GHG emissions associated from the project activity. The impact on land, water, air and soil is negligible. Thus, the project activity contributes to environmental well-being without causing any negative impact on the surrounding environment.
- **Economic well-being:** The project activity generates permanent and temporary employment opportunities within the vicinity of the project. The electricity supply in the nearby area improves which directly and indirectly improves the economy and life standard of the area.

SDG contribution

	SDG 13 - Climate Action ~ 28,185 tCO ₂ e	Monitoring parameter- Calculated under every verification period based on energy generation details.
	SDG 8 – Decent Work and Economic Growth The current Project activity has employed approximately 3000 person	Monitoring parameter- Average Monthly earnings of female and male employees, by occupation, age and persons with disabilities
	SDG 7 - Clean Affordable energy for all 36,088 MWh	Monitoring parameter- Renewable energy share in the total final energy consumption. (Based on Generation data)

For any other information, please contact:

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