Clean Energy thanks to Solar Power in Maharashtra, India

Grazing animals in the midst of power generation. Solar farm in Varul village. Photo: Juniper Green Energy

This carbon offset project replaces fossil-produced electricity with clean solar energy. In the Indian state of Maharashtra, ten villages supply clean electricity to the Indian grid with their respective solar power plants.

The ten villages with their 10 MW solar power plants each supply 240 GWh per year all together. The scenario existing prior to the implementation of the project is electricity, that would have otherwise been generated by the operation of grid-connected power plants. India's electricity sector is dominated by fossil fuels, in particular coal.

The purpose of the project activity is to generate electrical power using solar energy, thereby displacing non-renewable fossil resources resulting to sustainable, economic and environmental development. In the absence of the project activity, equivalent amount of power generation would have taken place through fossil fuel dominated power generating stations. Thus the renewable energy generation from the project activity will result in reduction of the greenhouse gas emissions.

This project contributes to 3 SDGs (as of end 2021):

Find out how myclimate reports these SDGs in our FAQ.

The following SDGs are verified by the Gold Standard:

The project generates 240 GWh of renewable solar energy per year.

Project type:
Solar

Project location:
Maharashtra, India

Project status:
In operation, credits available

Annual CO_2 reduction:
220,000 t

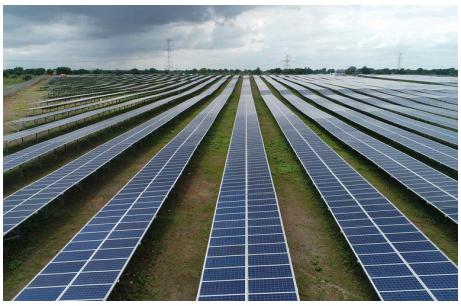
Situation without project
Electricity provided to the grid by more-GHG-intensive means

Project standard

Gold Standard®

VER

Impressions



Solar farm in Mukti village. Photo: Juniper Green Energy

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The project provides direct employment to around 67 persons.

The project reduces about 220,000 CO2 per year.

Solar farm in Vickhede village. Photo: Juniper Green Energy