## Solar PV, India





This solar PV project is located in Rajasthan, India. The selected area provides very good opportunities for a solar power station due to its sunny and dry weather conditions. The 5 MW solar photovoltaic park is implemented by Fortum Amrit Energy Private Limited (AEPL).

India's power grid is dominated by fossil fuels. The project activity intends to generate energy from renewable sources which helps reduce the percentage of energy produced by fossil fuels and will therefore lead to a reduction of greenhouse gas emissions.

## The Project:

The energy that is produced within the solar photovoltaic park is exported to the Indian grid and sold under the conditions of a power purchase agreement. The project will help to reduce the amount of electricity that is generated by fossil fuels and therefore it contributes to climate protection activities. The park is expected to produce approximately 9,000 MWh annually and feed it into the national grid. Furthermore, the project activities will increase the availability of electricity in the region and will thereby counteract electricity shortages. These aspects will serve as an improvement for the local population as well as for the regional textile industry.

## The Benefit:

In addition to the pure climate protection effect, the project contributes to the achievement of the Sustainable Development Goals (SDGs). The 17 SDGs developed by the United Nations consider all three dimensions of sustainable development: economic, social and environmental influences. The main goal of the project is to produce clean energy from renewable resources which helps cover the increasing energy demands of India's growing economy. At the same, the solar photovoltaic park produces new job opportunities for the local population.



Portfolio

Renewables

**Project Standard** 



**Emission Reduction** Approx. 8,000 t CO<sub>2</sub>e p.a.

Project Status

VER, certified

**Project Location** 

India

## **Sustainable Development Goals**



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