



Clean electricity generation through several solar parks in India

Solar energy, Jaloya, India

As part of this carbon offset project, solar parks were constructed in the Indian states of Maharashtra, Orissa, Jharkhand, Gujarat and Andhra Pradesh to use solar energy for sustainable power generation. The activities include the operation and maintenance of the photovoltaic plants, which generate around 349,000 MWh of electricity annually. The electricity generated is fed into India's state grid, replacing the equivalent amount of energy that would otherwise have been produced by burning fossil fuels. Thanks to the project, around 326,910 tonnes of CO₂ emissions can be avoided annually.

In addition to supplying clean electricity, the project also contributes to infrastructure development and the creation of new employment opportunities.

How does solar energy contribute to climate action?

Since energy from solar panels is created without burning fossil fuels, it is considered emission-free. The growth of renewable energy production is essential to prevent global warming and secure energy supplies for the future. The amount of emissions saved by a solar energy project is calculated using the baseline method: how much CO₂ would be released by generating the same amount of energy using standard energy production methods for the region?



Contribution to the UN Sustainable Development Goals (SDGs)

SDG 7 · Affordable and Clean Energy

The solar power plants generate 319,791 MWh of electricity annually and improve the availability of electricity to the local consumers.

SDG 8 · Decent Work and Economic Growth

The project created 125 local jobs. In addition, 58 people received training for further education. The more stable electricity grid also offers opportunities for new industries, leading to more local employment.

SDG 13 · Climate Action

The project activity generates renewable energy instead of fossil fuel based electricity and thereby saves an average of 326,910 tonnes of CO₂ emissions per year.



Project standard

Gold Standard VER (GS VER)

Technology

Solar energy

Region

Jaloya, India

Estimated annual emission reductions

326,914 t CO₂e

Verified by

LGAI Technological Center, S.A.

Further information

www.climatepartner.com/1390

