

GHANI SOLAR RENEWABLE POWER PROJECT

ANDHRA PRADESH, INDIA



Ghani Solar Park: A Clean Energy Revolution

The main purpose of this project activity is to generate a clean form of electricity through renewable solar energy sources. The project activity involves the installation of a 500 MW solar power project in Andhra Pradesh state of India.

OVER THE FIRST 10 YEARS OF THE CREDITING PERIOD, THE PROJECT WILL REPLACE GREENHOUSE GAS EMISSIONS ESTIMATED AS APPROX. **887,800 tCO₂e PER YEAR. THIS IS EQUIVALENT TO TAKING 200,000 CARS OFF THE ROAD.**

Ghani Solar Renewable Power Project



The Context

Ghani Solar Park is a 500 MW solar power plant located in Ghani village, Andhra Pradesh, India. The park is one of several solar power projects in the area, which have helped to promote employment and infrastructure development.



The Project

The solar project is developed by Greenko Group. The Ghani Solar Park is a significant step towards a cleaner future. The project will displace 919,800 MWh/year of electricity from the generation-mix of power plants connected to the Indian grid, which is mainly dominated by thermal and fossil fuel-based generation plants. This will lead to a reduction in conventional fossil fuel dominated electricity generation.



The Benefits

The Ghani Solar Park contributes to sustainable development in the following ways:

- **Social well-being:** The project creates employment opportunities during construction and operation, which helps to improve the lives of local people. It also develops infrastructure in the region, which can lead to improved access to education, healthcare, and other essential services.
- **Economic well-being:** The project is a clean technology investment in the region, which can help to boost the local economy. It also promotes renewable solar power generation, which can create new jobs and businesses in the future.
- **Technological well-being:** The successful operation of the project activity promotes renewable solar power generation and encourages entrepreneurs to participate in similar projects. This can help to accelerate the transition to a clean energy future.
- **Environmental well-being:** Solar power reduces dependence on fossil fuels and conserves natural resources. Due to zero emissions, the project activity also avoids significant amounts of greenhouse gas emissions and pollutants linked to conventional thermal power generation. This can help to improve air quality and mitigate climate change.



SUSTAINABLE DEVELOPMENT GOALS

17 goals to transform our world



Greenko Group **organises health camps at least once in a year** at the operational plants.



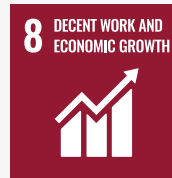
Greenko Group **provide access to quality education in government managed schools** located in the neighbourhood communities.



Greenko group **is committed towards providing clean drinking water** to the village communities.



The project **supplies renewable electricity to the Indian grid** which helps to increase the renewable energy share in the energy mix.



Greenko **has introduced a Solar Skill Development Certification Program** for students of the local communities and **has provided employment** to trainees.



The project activity results in reductions of greenhouse gas (GHG) emissions and also plays beneficial role in the mitigation of climate change.



Encourages capacity building activities aimed at strengthening the capabilities of states to implement strategies that minimize the impact of environmental crises.

For more information on carbon offsetting contact info@sustainable-advantage.com



0203 544 2020
sustainable-advantage.com

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>