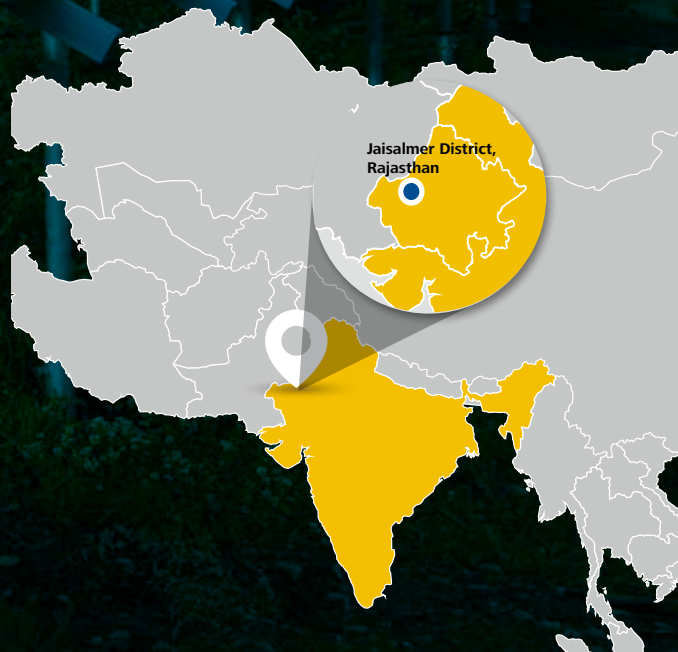


GODWARI GREEN ENERGY SOLAR THERMAL POWER INDIA

**Clean electricity to power India's
booming population and diversify its
energy mix**



Located in northern India, this large-scale, 50 MW-capacity solar thermal power project generates almost 119,000 MWh for India's Combined Regional Grid, displacing electricity sourced from the burning of fossil fuels to reduce emissions and contribute to regional sustainable development.

The Context

India is the world's second largest country by population, beaten only by China – and it is rapidly catching up. As its developing economy strengthens further and rapid population growth continues, India's energy needs are rising. While the share of renewables in India's energy mix is growing, coal still accounts for over half of its electricity production.

The Project

Located in Jaisalmer District in North India's Rajasthan State, this large-scale solar thermal power project helps satiate India's growing energy demands. The 50 MW-capacity solar thermal plant uses parabolic trough technology to generate almost 119,000 MWh of clean energy for the Combined Regional Grid annually, further diversifying India's electricity mix away from fossil fuels.

The Benefits

On top of supplanting fossil fuels with clean electricity to reduce emissions, the project proponent commits 2% of Carbon Emission Reduction (CER) sales to community welfare and sustainable development projects. The social benefits of this include local employment opportunities that alleviate regional poverty, as well as better roads and improved basic infrastructure. The project also contributes to the transfer of environmentally sound, state-of-the-art thermal solar power generation technology in India, and encourages further investment in the renewables industry.

Unlike solar photovoltaic technology which converts sunlight directly into electricity, solar thermal power concentrates light from the sun to create heat, which is then used to generate electricity



**60
local people**

hired from surrounding communities to assist with upkeep of facilities, increasing local income levels to help alleviate regional poverty



**118,866
MWh**

of renewable energy generated on average annually for India's Combined Regional Grid



**109
people**

currently employed in management, sales, technician work and administration, who receive extensive training in project technology



**Solar thermal
'parabolic trough'
technology**

transferred to India; an environmentally sound, state-of-the-art technology



**113,160
tCO₂e**

reduced on average each year

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

Official name: Solar thermal power plant by Godawari Green Energy Limited | **UNFCC link:** https://cdm.unfccc.int/Projects/DB/KBS_Cert1348206450.84/view | **UNFCCC ID:** 7379 | **Markit link:** https://mer.markit.com/br-reg/public/project.jsp?project_id=103000000007579 | **Markit ID:** 103000000007579 | **GS ID:** 3429