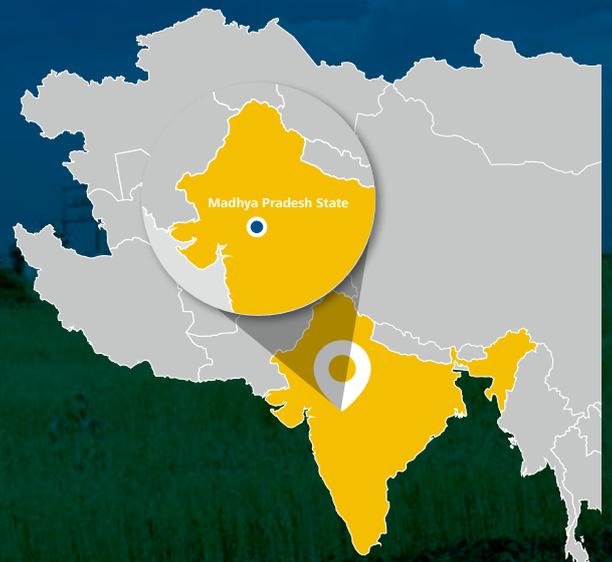




SUSTAINABLE WIND ENERGY INDIA

Harnessing the energy of wind to provide power to communities in India



This project generates electrical power by installing 67 wind turbines in the Madhya Pradesh state of India. The project reduces approximately 176,331 tonnes of CO₂ annually by providing an alternative energy source to the burning of fossil fuels, and creates a range of education and health benefits in surrounding communities.



The Context

As India's economy accelerates, so too does its country's emissions. The need for sustainable energy alternatives to fossil fuels in fast developing countries like India is more important than ever. Wind power is an effective way to displace non-renewable fossil resources and encourage economic and environmental development.

The Project

This project comprises of 67 wind turbines with a capacity of 1500 kW each. They harness energy from prevailing wind, turning endlessly to generate clean, sustainable electricity that is then exported to support the local electricity grid. By providing a clean alternative to the burning of fossil fuels for energy, this project reduces approximately 176,331 tonnes of greenhouse gases a year from the atmosphere.

The Benefits

A number of initiatives are supported by the project to improve the livelihoods of communities surrounding the project area. As the region has acute water scarcity and suffers from frequent droughts, the project covers a plan to implement public drinking water systems, teach farmers to conserve water with new irrigation techniques, promote rainwater harvesting and dams checkups. The project provides scholarships to children for higher or technical education, has facilitated a literacy program for adults, provides ambulance service and awareness programs on nutrition, post-natal care, sexually transmitted diseases and hygiene and has invested in sanitary infrastructure in schools and community centres. The project has also planted trees along the roads and in community places.

Workshops in carpentry, welding, masonry, stitching, knitting and cooking workshops are facilitated by the project.



15
medical camps

are supported to ensure the proper distribution of medicines



240
students

provided with stationary and furniture for schools in 7 nearby villages



4
water

facilities installed including a borewell, a water cooler, a water storage tank and water supply pipe fittings in a hospital premises



176,331
tCO₂e

reduced annually by providing an alternative to the use of fossil-based power

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

Official name: 100.5 MW Wind Power Project in Madhya Pradesh, India | **UNFCC/markit/VCS link:** https://products.markit.com/br-reg/public/project.jsp?project_id=103000000009191
UNFCCC/markit/VCS ID: 103000000009191 | **GS ID:** GS3969

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