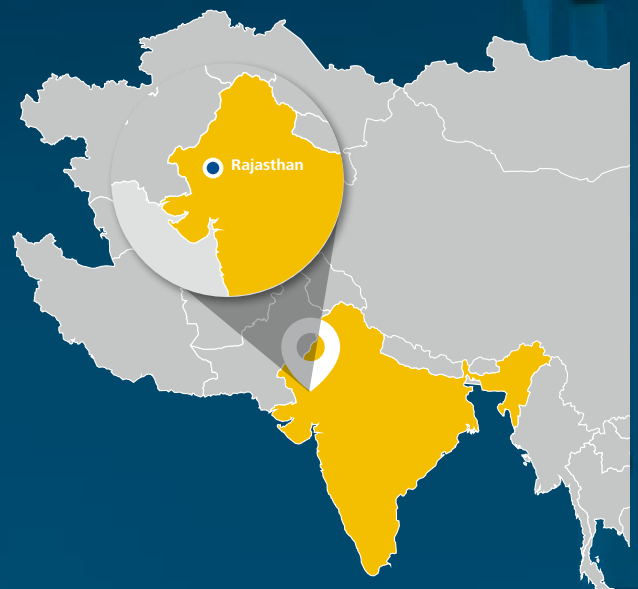




VAAYU WIND INDIA

**Sustainable wind power for India's
northern communities**



By providing clean renewable energy to the Rajasthan State Electricity grid, this wind power project promotes the development of sustainable energy industries in one of the world's fastest growing economies. It also creates jobs and improves local infrastructure.

The Context

Supplying energy to meet the growing demands of northern Indian states is a significant drain on resources. Power plants that predominantly rely on fossil fuels are major contributors to global greenhouse gas levels and thus the negative effects of climate change. Wind power, however, is emission free. Introducing this technology to rapidly developing states is a significant step towards a more sustainable future for India.

The Project

The Vaayu Power Corporation Private has developed a 50.4 MW wind farm in the state of Rajasthan in India. The project involves the supply, erection, commissioning and operation of 63 Enercon E-53 machines of 800 KW of capacity each. The wind farm was commissioned in 2011. Annually, the wind farm generates around 94,000 MWh of electricity to Rajasthan State Electricity grid, enough to provide over 128,000 people with clean electricity annually.

The Benefits

By harnessing renewable resources in the region, this project displaces non-renewable natural resources thus decreasing the environmental strain of energy demand. The wind farm has led to the development of supporting infrastructure such as a road network. The project helps alleviate poverty by establishing direct and indirect benefits through employment generation. Several initiatives have been undertaken to facilitate primary education for local children and to allow better access to clean water for women. The project owner financed a Mobile Healthcare Unit Van to provide primary health services for nearby villages of Jaisalmer district. A doctor, pharmacist and health attendant provide check ups, gynecological, pediatric and emergency services.

Using wind, an abundant renewable resource, to generate clean energy.



Gold Standard®



1

mobile healthcare van
installed



94,482
MW

of clean renewable energy supplied to the state grid on average annually, promoting renewable energy alternatives in India



23

permanent jobs created



87,159
tCO₂e

reduced per year, by displacing the equivalent amount of electricity generation through fossil fuel based power plants

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

Official name: Vaayu India Wind Power Project in Jaisalmer, Rajasthan | **Markit link:** https://mer.markit.com/br-reg/public/project.jsp?project_id=104000000011499
UNFCCC/markit/VCS ID: 5186 | **GS ID:** GS 5013