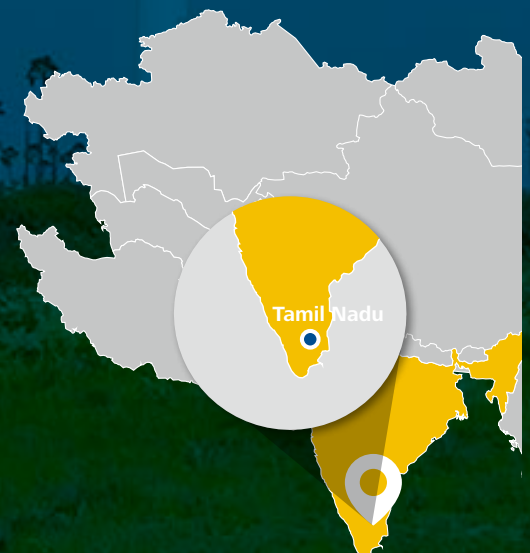




TAMIL NADU WIND INDIA

Clean energy for a better future in India



This 52-Turbine Wind Project located in Tamil Nadu, replaces non-renewable energy sources such as coal with clean, wind-generated energy. This clean energy is then fed into the Southern Electricity Grid of India, lessening the region's reliance on fossil fuel and boosting the local economy.

The Context

Long associated with tigers and temples, Tamil Nadu's long coastline and forested mountains make it an incredibly beautiful part of India. While it is one of the more prosperous states, many of Tamil Nadu's 60 million people still live in poverty and suffer from problems such as class and gender discrimination, and inter-district and urban-rural disparities. It is estimated that more than 20 percent of the state's population live below the poverty line.

The Project

This project involved the construction of a 52-turbine wind farm in Erode and Dindigull districts. The wind farm replaces non-renewable energy sources such as coal with clean, wind-generated energy. This clean energy is then fed into the Southern Electricity Grid of India, lessening the region's reliance on fossil fuel based electricity. Whilst more advanced than other renewable technologies, wind power is still not cost competitive with fossil fuels. However, the additional revenue from the sale of carbon credits made this project financially viable, and enabled its construction to go ahead.

The Benefits

The Tamil Nadu Wind Project helps to alleviate poverty by generating employment and contributing to the provision of basic amenities. Because the wind farm was created on dry, barren land, grazing of cattle was not affected. In fact, unproductive, previously worthless land was purchased from villagers to develop the wind farm. Furthermore, the southern electricity grid commonly suffers from power deficits. Not only has Tamil Nadu wind farm helped improve access to a reliable electricity supply for local businesses and households, it has also led to upgrades to roads and other infrastructure in the local area.

"Many marriages and educational expenses in the villages were possible only by selling such waste land."

– Mr.Santhanam, Panchayat President, Thalavaipattinam Village



CLEAN ENERGY

generated by the project supplements the local grid, providing a reliable energy source to its users.



LAND PURCHASE

from villages provides an income for previously worthless land, boosting the local economy.



UPGRADES

to local roads and infrastructures have been implemented by the project, improving the daily life of local inhabitants.



80,000 tCO₂e

reduced from the atmosphere annually, directly contributing to climate change mitigation.

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

Official name: Bundled Wind Power Project in Tamil Nadu managed by Enercon India Limited-I, Bundled Wind Power project in Tamil Nadu managed by Enercon India Limited II | **VCS link:** http://www.vcsprojectdatabase.org/#/project_details/281 , http://www.vcsprojectdatabase.org/#/project_details/404 | **VCS ID:** 281 and 404