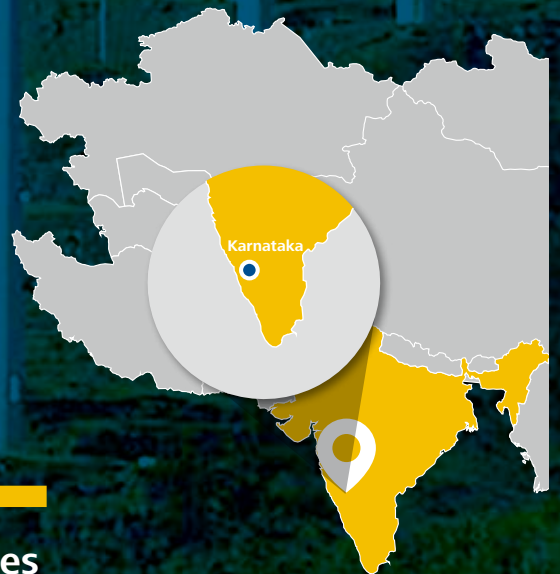




ENERCON WIND FARM INDIA

Clean renewable energy for Indian communities



This project harnesses renewable wind resources in the state of Karnataka, displacing non-renewable fossil fuel energy thereby leading to sustainable economic and environmental development. The wind-generated electricity is supplied to the state grid.

The Context

Supplying consistent electricity to remote communities is increasingly more important in India as the economy grows and populations expand. The objective of the project is to provide reliable, renewable power to the Karnataka state electricity grid, which is part of the Southern regional electricity grid. This leads to reduced greenhouse gas emissions because it displaces electricity from fossil-fuel based electricity generation plants.

The Project

The project consists of 86 E-48 wind energy converters (wind turbines) of 800 kW each to a total capacity of 68.8 MW of wind power. (EWHPL) Enercon (India) Ltd is the equipment supplier and the operations and maintenance contractor for the project, covering the development, design, engineering, procurement, finance, construction, operation and maintenance of the wind farm. The generated electricity is supplied to Karnataka Power Transmission Company Ltd and Bangalore Electricity Supply Company Ltd under a long-term power purchase agreement (PPA).

The Benefits

By providing a clean alternative to the burning of fossil fuels, this project combats climate change by creating a reduction of greenhouse gas emissions. It also contributes to meeting an electricity deficit in Karnataka, and promotes the development of renewable resources and the increased capacity for sustainable infrastructures. Furthermore, it develops the local economy by creating jobs and employment, particularly in rural areas, which is a priority concern for the Government of India.

Clean energy displaces fossil fuel emissions that would otherwise have been emitted by generating electricity.



**68.8
MW**

clean energy capacity supplied to the grid, producing more than 120,000 MWh of clean power annually



Jobs

created in wind farm construction and operation, boosting the local economy



**148,858
tCO₂e**

reduced on average annually by providing a clean energy alternative to the burning of fossil fuels

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

Official name: Enercon Wind Farm (Hindustan) Ltd in Karnataka | **UNFCCC/markit/VCS link:** <https://cdm.unfccc.int/Projects/DB/DNV-CUK1185356859.49/view>
UNFCCC/markit/VCS ID: 1259