



Improved electricity supply and sustainable development

Wind energy, Maharashtra, India

The project in the Indian state of Maharashtra saves carbon emissions by generating clean electricity from wind power. The project activity includes the installation of 33 wind turbines with a capacity of 1.5 MW each near the villages of Kukudwad, Pukalewadi, Pachwad, Hiwarwadi, Vikhale in Satara County. The total capacity of the project activity is 49.5 MW. The plant will generate an average of 77,445 MWh of clean electricity per year, which will be fed into the regional power grid North Eastern Western and North Eastern (NEWNE), thus improving the regional energy supply.

Besides saving greenhouse gas emissions, the climate protection project contributes to the improvement of the economic and social development in the region.

How does wind energy help fight global warming?

Since wind energy is created without burning fossil fuels, it is considered emission-free. The growth of renewable energy production is essential to limiting global warming and securing energy supplies for the future. The amount of emissions saved by a wind power project is calculated using the baseline method: how much CO₂ would be released by generating the same amount of energy using standard energy production methods for the region?



Contribution to the UN Sustainable Development Goals (SDGs)

SDG 3 - Good Health and Well-Being

The project helps improve the air quality in the region and thus health conditions

SDG 7 - Affordable and Clean Energy

Power supply and promotion of the expansion of renewable energies in the region

SDG 8 - Decent Work and Economic Growth

New jobs in the construction and operating phase; stimulating the local economy through better electricity supply

SDG 9 - Industry, Innovation and Infrastructure

Promotion of modern and clean wind power technology

SDG 10 - Reduced Inequalities

Promoting economic and social development in rural India through new jobs and improved power supply

SDG 13 - Climate Action

The project saves an average of 73,000 tonnes of CO₂ per year.



Project standard

Gold Standard VER (GS VER)

Technology

Wind energy

Region

Maharashtra, India

Annual volume

73,000 t CO₂e

Verified by

Applus+ LGAI Technological Center, S.A

Further information

www.climatepartner.com/1155