

# Indian Wind Farm Project

About 70% of India's electricity is generated by fossil fuels, but wind and renewable energy are playing an increasing role in the generation mix.

This VCS bundle of Indian wind power projects has a total power generation capacity of **537.38 megawatts**, with hundreds of wind turbines installed as part of the implementation. They span **two of India's states** and multiple districts which have traditionally relied on fossil electricity.

These initiatives play a vital part in India's **shift towards a low-carbon economy** by generating electricity from a renewable source and supplying it to the state grid — contributing to the transition away from fossil-based energy.

Beyond the reduction and avoidance of CO<sub>2</sub> emissions, some of the projects' key benefits include the **creation of employment** at a local scale, the creation of **infrastructures** key to the improvement of the daily lives of local beneficiaries, and raising awareness of issues pertaining to climate change — in a nation that will play a pivotal role in fighting it.



Locations (State): **Tamil Nadu, Gujarat**

## Key Technical Facts:

- Project type: Avoidance (renewable energy)
- Total CO<sub>2</sub> reduction from the projects over their lifetime: 1,340,720 tonnes of CO<sub>2</sub> equivalent (tCO<sub>2</sub>e)
- Methodology: VCS - ACM0002
- Third-party verifiers: SGS, TUV NORD

The logo for Atos, featuring the word "Atos" in a bold, blue, sans-serif font. The letter 'o' is stylized with a white dot.

# Environmental Benefits:



- These projects allow for increased penetration of renewable energy throughout the Indian national grid, thereby contributing to greening its electricity mix.
- Clean, renewable wind energy generation replaces predominantly fossil fuel powered plants, phasing out carbon intensive electricity in the process.
- Provides reliable access to electricity to thousands of rural households.



- By displacing coal electricity generation in several locations in India, this project leads to a reduction in greenhouse gas emissions – and cleaner air for its beneficiaries. Over their lifetime, these projects lead to the avoidance of over 1.3 million tCO<sub>2</sub>e.
- The wind projects supported by Atos decrease the pressure on dwindling stocks of fossil fuels – and carbon intensive activities such as coal mining, which are harmful to the environment.
- These projects allow the reduction of waste byproducts that are generated by the most prevalent methods of electricity production in India.

# Economic and Social Benefits:



- Local beneficiaries are given preference for project employment opportunities during the construction, installation and operational phases of the projects.
- Direct and indirect employment opportunities arise from the implementation of the projects, thanks to the establishment of auxiliary infrastructures and activities.



- These projects have led to the development of the road and telecommunication infrastructures in each of the project's regions.
- These initiatives have helped develop the renewables industry on a national and local level, leading to technological and technical knowledge transfer and the spread of best practices.



For more information: [sustainabletopics@atos.net](mailto:sustainabletopics@atos.net)

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