

Pawan Wind India

ecoact
an atos company



Project summary

The challenge

In 2022, fossil fuels will account for **77% of India's electrical output**. **Coal accounted for 74% of the total**, followed by gas (2.7%), and other fossil (0.1%). The country's emissions are driven by its **heavy reliance on fossil fuels and massive population**.

India has overtaken China as **the world's most populated country in 2023**. India's need for power would expand in tandem with the country's rapid economic expansion. Meeting it with renewable electricity would **entail rapidly and massively expanding clean sources**.

The solution

The planned project activity entails **installing Wind and Power Projects** in multiple states of India. The project activity's goal is to generate **clean electricity, as this state has traditionally been reliant on fossil fuel-generated electricity**.

The project plays a vital part in India's **shift towards a low-carbon economy** by generating electricity from a renewable resource and supplying it to the state grid which contributes to the replacement of coal part in the Indian energy mix.



Avoidance



Start date: 2018



Verified Carbon Standard



Wind Energy

Environmental benefits



CO₂ avoidance:

- This bundle of projects will help avoid the release of **million of tons of CO₂** in the atmosphere over the project's lifetime.



Other environmental benefits:

- Generate renewable power, which will displace part of the electricity otherwise supplied by fossil fuel-fired power plants, **thus GHG emission reductions** are achieved due to this project;
- Assist communities across India to **gain access to renewable and sustainable sources of electricity**;
- **Awareness raising** among communities of the impacts of climate change and how to mitigate them.



Social & Economic benefits



Social impact:

- Generate new **training and skills development** for local communities;
- Improvement to the **livelihoods** of families employed by the projects;
- Improvement of **air quality** with the decrease of coal mining to generate electricity, which will lead to the fall of respiratory issues among local communities.



Economic impact:

- This project will provide **job opportunities** for the development and maintenance of these wind farms in India, **improving the local economy**.

