

Indian wind farm project

Since 2010, Atos has supported its customers in their journey towards more sustainable operations and has offset each year the total carbon emissions of all its data centers. In 2018, Atos has expanded this program to cover 100% of residual emissions of its data centers, offices, and business trips. In 2019, in partnership with EcoAct, 242,986 tCO₂e were thus compensated. Thanks to a new investment made in 2020, Atos has enlarged its existing support to renewable energies to carbon sink preservation projects. An important development for the preservation of the climate.

Among the projects supported, Atos invested in wind farms located in India, as the development of renewable energy is one of the main stakes for the NITC sector, contributing to UN Sustainable Development Goals 7, 8, 9 and 13.



Indian wind farm project

The project promotes the development and use of renewable energy through the installation of wind farms generating 109.6 MW from 137 wind turbines. The power generated from this project is supplied to the state electricity grids and will thus help India to meet its increasing energy needs and widen the range of energy production sources.

The clean electricity generated through wind power has improved the grid frequency and availability of electricity in the region. The project improves production capacities for local industries and businesses, thereby contributing towards the overall economic development of the region.



Project Wind India - © EcoAct

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Main achievements



Location

The project activity is composed of 137 Wind Turbines Generators (WTGs) installed in three locations, one in the state of Karnataka, one in the state of Gujarat, and one in the state of Maharashtra. These three wind farms allow the electrification of approximately 40,000 households in rural areas.

Energy generated from the project is supplying renewable power to the north-western, to the southern and to the north-east-west-north east (NEWNE) regional grids.



Economic and Social Benefits

Jobs creation

At the local level, the projects activity has led to the creation of 118 skilled (Wind turbine technicians, maintenance supervisors, etc.) and 55 other jobs throughout the construction and ongoing operation and maintenance.

Social initiatives

Alongside the project, several social initiatives were engaged that positively impact the surrounding communities of the wind farm project.

Education

- In Hubballi (Karnataka state) and in Nawabpet (Telangana state), the Mid-day Meal Programme provided mid-day meal to 24,612 school children in 2019. The program has encouraged local children to continue their basic education and indirectly improve the education level of the area.
- Educational Support Scheme (ESS) is a program supporting students in pursuing higher education. Monetary support is provided to eligible students to pursue higher education.
- The project also supports eco clubs' activities to make school children conscious of the environment. At Samana, 288 children benefit from 10 eco-clubs in schools. Eco club sessions are held once a month on topics like biodiversity, health, water conservation, pollution, renewable energy, etc.
- In 2019, a total of INR 28,573,200 has been disbursed under these initiatives.

Healthcare management

- At Gujarat Site, there is a three-year community development project, the



Aarohan Eco-club, focusing on three basic themes - education, water and livelihood. The objectives of this project, beneficiary to 8,124 communities, are:

- improved access to infrastructure to school children,
- increased awareness among school children about environment,
- increased awareness among village women about additional livelihood income options,
- and increased awareness among farmers' about agricultural practices.
- In the district Pune in the state of Maharashtra, a Mobile Medical Van is providing free check-ups and free medicines to more than 20,000 men, women and children of 30 rural villages.
- Recently, during the COVID-19 crisis, the project contributed to serving 30 millions of meals to impoverished families in the most afflicted communities.

Empowerment

In the state of Gujarat, the project owner has helped establish 27 women self-help groups (SHGs) in the surrounding villages of the wind farm plants, to serve as a platform for women empowerment through livelihood generation. In 2019, around 300 women members benefited from these groups which promote home-based agro-processing and handcraft items. 45 SHG women were provided with seed kits to start their vegetable plots and 42 initiated livelihood opportunities such as imitation jewellery, papad, khakhara making, embroidery work on Sari, handcraft-based enterprises, wheat noodles, livestock rearing and more.

513 farmers through 10 Farmer's club also benefited from sustainable agricultural practices learning. Farmer's club meetings are organised every month at cluster level and women's meeting are held every 3 months to promote sustainable agriculture practices, a key component of the livelihood interventions.



Environmental Benefits

The project will help in conserving natural resources including land, forests, minerals and ecosystems that are impacted by traditional forms of power generation. For example, unlike both fossil fuel and nuclear generation, wind energy does not require the use of water for cooling and therefore eliminates a strain on local freshwater resources.

Sustainable management of the water resource is also a key environmental benefit provided by the project, as surrounding villages face several issues: semi-arid climate, diminished soil quality, scanty rainfall with availability of hard drinking water. Water structure building initiatives are supported by the project owner, like pond and well deepening, cattle trough, laying pipelines, repair work of drinking water wells, etc. As a result, 2,500 families benefit from a better drinking water security.

Key Technical facts

Standard	VCS - Methodology ACM0002
3 rd party verifier	URS Verification Private Limited

“Atos has provided carbon-compensated services to its customers since 2011. In 2019, Atos decided to focus its global offsetting program to both wind farm projects and reforestation in a bid to achieve net-zero emissions by 2035.”

Philippe Mareine

Head of Corporate Social Responsibility and Chief Digital & Transformation Officer, Atos

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