

# Vintage Sports-Car Club Carbon Emissions Initiative

Delivered via the Federation of British Historic Vehicle Clubs' Partnership with Tree-V

## International Offsetting - Wind Power Project

Project type: The project consists of 67 wind turbine generators of 1.5 MW each, generating clean electricity through 100.5 MW of wind power. It is located in the central Indian state of Madhya Pradesh, southeast of Udaipur, and is one of two wind power projects (the other is 60MW) established by Orange Mamatkhedha Wind Private Limited, Delhi.

Target: The project has played an important role in reducing CO2 emissions and will continue to contribute towards the economic growth of the area by generating 180 GWh of clean electricity annually, which is equivalent to powering 42,000 households every year. In total, the project's expected mitigation is 1.23 million tCO2e in carbon emissions over 7 years; the carbon credits being earned from this are purchased by Tree-V on our behalf and thus 'retired'. That is, they cannot be purchased again. The 140 tCO2 purchased through this immediate offsetting is in addition to the 140 tCO2 purchased through long term carbon capture projects in the UK.

This a Gold Standard verified project (<https://www.goldstandard.org>); see below.

Location: Madhya Pradesh, India



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## **Project Impacts and Benefits**

Orange Renewable as a socially responsible organization is dedicated to CSR initiatives to improve the quality of life in the projects vicinity. Along these lines, Orange Renewable consistently invests in the following thematic areas:

- Enhancing the quality of education
- Supporting the "Clean India" initiative of the Government of India by investing in sanitary infrastructure in schools and community centers
- Augmenting medical and health care facilities
- Potable water supply infrastructure
- Employment generation
- Female empowerment
- Safeguarding the environment

In keeping with the above thematic focus, a range of initiatives have been undertaken in the project vicinity:

- Distribution of necessary infrastructure such as furniture, education aid including stationery, maths, science and also sports kit, plus student scholarships, to more than 25 schools, benefitting over 5,000 children.
- Development of sanitation facilities like toilet construction in public places as part of the government's Clean India initiative.
- Installation of water tanks along with water purifier systems providing easy access to clean & safe drinking water.
- Tree planting initiatives in schools, sub-stations and public places.
- Installation of an electricity transformer and distribution line which has enabled direct household electrification and energy to water pumps for agricultural purposes benefitting over 1,000 people. This is separate from the approx. 93km of transmission lines built for project purposes.
- Delivering motivational workshops to people affected with HIV AIDS, in collaboration with the Madhya Pradesh state AIDS control society, focusing on the significance of Anti-Retro Viral Therapy in quality of life, benefitting over 60 people. Regularly organizing camps/rallies to quit smoking and creating awareness in the stakeholders are also conducted.
- 'Mega medical camps' in the nearby villages that undertook distribution of free medicines at the camps, benefitting over 1000 people. Awareness programs on nutrition, ante-natal/post-natal care, sexually transmitted diseases (STDs) and hygiene have also been conducted.
- The project has led to direct employment generation for 730 persons during the construction phase (including laborers, supervisors & engineers), out of which 266

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employees were hired locally. The project has also led to employment for 76 people on a permanent basis.

As such, the project meets the following UN Sustainability Goals.



### What is Gold Standard Certification?

For international projects we use a global certification standard, as opposed to those seen with our woodland and peatland capturing which operate under the UK Land Carbon Registry. The two most widely recognised are VCS and Gold Standard.

The Gold Standard was developed in 2003 by the WWF and by 2018, 80 non-profit organizations worldwide had endorsed the Gold Standard program. The requirements for a Gold Standard certification are:

- The project should reduce or remove one of the three eligible GHGs: methane, carbon dioxide, and nitrous oxide. The measurement of this removal has similar criteria to that of the VCS outlined above.
- The project should be achieving its goal by supplying renewable energy, reducing end-user energy usage, afforestation, reforestation, or agriculture.
- The project should not be applying for another certification to prevent double counting.
- The additional greenhouse gas emission reduction or removal should be documented and should be occurring because of the project.
- The project should be contributing to at least three of the Sustainable Development Goals laid out by the United Nations.

The final assessment criteria are particularly important: In addition to reducing or removing greenhouse gas emissions, a Gold Standard certified project also benefits the local population's financial, social, and environmental outcomes.

Choosing offsets that are certified under the Gold Standard makes sure that our contribution is having a meaningful impact on climate change.