



Karnataka wind power, India

Wind energy in India is rapidly developing, introducing an environmentally sound and cost-effective option for clean power generation.

Location



The project is located in the southern province of Karnataka, in the draughty "Chitradurga corridor".

Project



India, in heavy need of sustainable development, is more and more embracing clean technologies such as wind power to feed its growing economy's need for stable electricity. This middle sized windfarm not only delivers emission free energy to the grid, the project owner is also concerned with the sustainable development of the rural region the wind turbines are located in.

Among these activities are reforestation of former mining sites with Tamarind and Mango, maintenance and repair of public roads, support for more than 200 schools and other community facilities, and donations of playground equipment.



Technically, the project activity has twenty wind turbines. The electricity generated by the wind farm is supplied to the national grid, avoiding 32,000 tons of CO₂ per annum.

Project achievements



Socio-economic impact:

- During construction, the project generated considerable employment for the local population, while necessary maintenance offers regular job opportunities on a permanent basis.
- Roads, drainage and check dam systems in the vicinity of the wind farms have been repaired and improved, easing the locals' daily lives. Avenue planting has been carried out along 15 km between Malappanahatti and Bheemasamudra villages.
- Support for more than 200 schools has been given, mostly in the form of equipment donations such as computers. In addition, renovation and maintenance works and plantations for schools and temples in almost all the villages of Chitradurga and Holalkere have been undertaken. The school building of Amrithapura village has been reconstructed.
- Several communities' children playgrounds have been equipped.
- In collaboration with the local Rotary club, the project owner is offering dental check-ups, and polio and eye camps for children on a regular basis.
- A home for the elderly has been supported in construction works.
- Support was given to temple renovations in the region.

Environmental impact:

- The project owner has massively reforested the former mining site where the wind farm has been erected, predominantly with Tamarind and Mango trees.
- On the project site, rainwater is being collected to save valuable natural resources.

Checklist Project 301 162



✓ Additionality and permanence:	according to the rules of the VCS
✓ 3 rd party verified:	TÜV Rheinland
✓ Transparency:	provided by APX Registry
✓ Annual CO ₂ reduction:	32,000 tCO ₂ e
✓ Social and environmental benefits:	as documented in our database
✓ Marketing material:	pictures available

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