



Sustainable development criteria

According to the National CDM Authority (NCDMA), which is the Designated National Authority (DNA) for the Government of India (GoI) in the Ministry of Environment and Forests (MoEF), the contribution of this project towards sustainable development should be demonstrated by considering the following criteria:

- Social well-being
- Economic well-being
- Environmental well-being
- Technological well-being

Social Well-being

- The project will add to the total power generated in the state thereby curtailing the deficit power situation in the country and the state.
- The project activity will lead to conservation of coal
- The project leads to infrastructure development of the area.
- It provides employment opportunities to local people

Economic Well-being

- The project activity also leads to diversification of the national energy supply, which is dominated by conventional fossil fuel based generating units.

Environmental Well-being

- **Mitigation of GHG emissions:** The project will utilize wind energy for generating electricity which otherwise would have been generated through alternate fuels (most likely - fossil fuel) based power plants, contributing to reduction in specific emissions (emissions of pollutant) including GHG emissions.
- **Resource Conservation:** Being a renewable resource, using wind energy to generate electricity contributes to resource conservation. Thus the project causes no negative impact on the surrounding environment contributing to environmental well-being.

Technological Well-being

- Generation of power using wind turbine generators will motivate other proponents in the surrounding area to invest in renewable energy technologies.