

**Contribution to Sustainable Development**

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) has stipulated four indicators for sustainable development in the interim approval guidelines for Clean Development Mechanism (CDM) projects from India<sup>1</sup>. The contribution of this proposed CDM project activity towards in terms of these four indicators is provided below:

**1. Social well being:**

- ✓ The proposed CDM project activity leads to the development of supporting infrastructure such as road network etc., in the wind park location, which also provides access to the local population.
- ✓ The proposed CDM project activity leads to alleviation of poverty by establishing direct and indirect benefits through employment generation and improved economic activities by strengthening of local grid of the state electricity utility.

**2. Environmental well being:**

- ✓ The proposed CDM project activity involves use of renewable energy source for electricity generation instead of fossil fuel based electricity generation which would have emitted gaseous, liquid and/or solid effluents/wastes.
- ✓ Being a renewable resource, using wind energy to generate electricity contributes to resource conservation. Thus the proposed CDM project will causes no negative impact on the surrounding environment contributing to environmental well-being.

**3. Economic well being:**

- ✓ The proposed CDM project activity requires temporary and permanent, skilled and semi-skilled manpower at the wind park; this will create additional employment opportunities.
- ✓ The generated electricity will be fed into the NEWNE grid, thereby improving the grid frequency and availability of electricity to the local users (villagers & sub-urban habitants) which will provide new opportunities for small as well as big industries and other economic activities to be setup in the area thereby resulting in greater local employment which leads to overall development.

**4. Technological well being:**

- ✓ The technology used in the wind power plant is demonstrated and safe.
- ✓ The technology is environmentally safe and sound as it does not produce greenhouse gases and any toxic or radioactive waste.