

View of project participant about the project activity's contribution to Sustainable Development

Ministry of Environment and Forests (MoEF), Government of India, has stipulated the following indicators for sustainable development in the interim approval guidelines for CDM projects.

1. Social well-being
2. Economic-well being
3. Environmental - well being and
4. Technological-well being

The project activity contributes to the above indicators in the following manner.

Social well being

- The proposed project would enhance availability of power to the local industries, agriculture and commercial activities in the vicinity of the project area by augmenting power supply to the Southern grid, thereby improving quality of power supplied to various users by stabilizing the grid.
- The project activity would provide employment to the local populace during erection and operation of the Wind Electric Generators (WEGs).

Economic well being

- The project while indirectly conserving natural resources such as land, forests, minerals, water and eco-systems, which are otherwise used in fossil fuel based generation will generally contribute to the development of local economy through creation of employment, particularly in rural areas.
- The project would contribute towards addressing power deficiency scenario in the state of Tamil Nadu

Environmental well being

- The Project activity would utilize wind velocity for generating power. The power generated would be supplied to the Southern grid, which is dominated by power generated using fossil fuels. The project will result in reduction of GHG emissions and contribute to preserving and improving the environment.

Technological well being

- The project would be using the horizontal axis wind turbine (HAWT) having three rotor blades. The HAWT uses natural wind velocity, which rotates the rotor, converting the kinetic energy of wind into mechanical energy and further converting the mechanical energy into electrical energy with the use of electric generator. Hence, this project activity is safe for environment and would promote installation of similar machines.

The project activity, therefore, meets the approved guidelines for CDM projects stipulated by the Government of India.