



View of the project participants on the contribution of the project activity to sustainable development

Ministry of Environment and Forests, Govt. of India has stipulated the following indicators for sustainable development in the interim approval guidelines for CDM projects:

A> Social well-being - The proposed 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. The infrastructure in and around the project area has also improved due to project activity. This includes development of road network and improvement of electricity quality, frequency and availability as the electricity is fed into a deficit grid.

B> Economic well-being - The project activity leads to an investment of about INR 690 million to a developing region which otherwise would not have happened in the absence of project activity. The generated electricity is fed into the southern regional grid through local grid, thereby improving the grid frequency and availability of electricity to the local consumers (villagers & sub-urban habitants) which will provide new opportunities for industries and economic activities to be setup in the area thereby resulting in greater local employment, ultimately leading to overall development.

C> Environmental well-being - The project utilizes wind energy for generating electricity which otherwise would have been generated through alternate fuel based power plants, contributing to reduction in specific emissions (emissions of pollutant/unit of energy generated) including GHG emissions. As wind power projects produce no end products in the form of solid waste (ash etc.), they address the problem of solid waste disposal encountered by most other sources of power. 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.

D> Technological well-being - The project activity leads to the promotion of 0.6 MW Vestas WEGs in the region, demonstrating the success of wind based renewable energy generation, which is fed into the nearest sub-station (part of the southern regional grid), thus increasing energy availability and improving quality of power under the service area of the substation. Hence the project leads to technological well-being.

The project is an attempt to provide a renewable source of electricity and at the same time help bridge the gap between the ever-increasing power deficits in the Southern Grid.