

**Contribution of project activity to sustainable development:**

The project activity contributes to sustainable development of the region and satisfies the four pillars of sustainable development in the following ways:

i) Social well being

The identified project activity has contributed towards poverty alleviation as it has employed local manpower during erection and operation of the wind power plant. The project has also resulted in an improvement in the infrastructure surrounding the region as well as the electricity availability to the otherwise deficit grid.

ii) Economic well being

The project's had done heavy initial investment and in addition to this PP anticipates CDM revenues from the project activity as well. The project is installed in the small village so also after commissioning it will develop the electricity through renewable energy so it will replace the thermal plants & thus attract other investors to develop such kind of projects. Due to the electricity generation it attract the industries, factories & other economic activities to invest in that region which will generate ample opportunities for the local villagers.

iii) Environmental well being

The identified project will lead to the following environmental benefits due to the project activity:

- As the wind power replaces equivalent power generation from fossil fuel dominated southern regional grid, there would be a reduction in the GHG emissions due to the project activity.
- Project also eliminates emissions of other air pollutants viz. SO_x, NO_x, particulate matters etc which would otherwise be emitted by thermal power plants of the electricity grid for generating equivalent power
- Project enables conservation of fossil fuel resources for better applications.

The identified project being a renewable energy power generation activity, it will significantly contribute towards reducing the dependence on import of fossil fuel like coal for power generation.

iv) Technological well being

The project activity has also led to the promotion of WTGs of various capacities at their respective parts because it will demonstrate an example for the other WTG investors.