

The project activity's contribution towards sustainable development in terms of society, environment and economy (both direct and indirect impacts) are stated below:

**Economic Impacts:**

- Creates employment opportunities in the project vicinity during erection & commissioning
- Employment creation both temporary and permanent
- Improved power supply

**Social Impacts:**

- Connectivity improvements in the local area through improved local transportation;
- Improving the local infrastructure like roads

**Environmental Impacts:**

The environmental footprint of Wind Turbine Generators is minimal, since:

- Wind is one of the cleanest form of renewable energy and, power generation does not involve any fossil fuels;
- Produces electricity without GHG emissions.
- The materials used in the WTGs are non-hazardous in nature;
- Impact on land, air and water is minimum, since there are no discharges or Emissions during the project lifetime;

**Technological well-being:**

There is continuous research and development on the geometry of the wind blades, height of towers, diameters of towers, etc., which augurs well for the technological well-being in the development of wind energy to produce clean electricity.

Also, the generated electricity from the project activity is connected to the grid. The project activity improves the supply of electricity with clean, renewable wind power while contributing to the regional/local economic development. Wind energy plants provide local distributed generation, and provide site-specific reliability and transmission and distribution benefits including:

- improved power quality;
- reactive power control;
- mitigation of transmission and distribution congestion,

All the above are the contributions of the project activity for the sustainable development.