

**Sustainable Development:**

Proposed CDM project activity has following sustainable development aspects:

Social well-being:

India faces a peak power shortage of 11.70%¹. Wind energy projects will not only contribute in closing this deficit but they also contribute toward government of India's plan of meeting 10% of the total power requirement in the country from renewable sources of energy.

Economic well-being:

The project implementation has provided a fillip to economic activity in the region. Direct & indirect employment has been generated in the plant for the project implementation & management. The success of this project will encourage more business houses to invest in Wind Power projects positive contribution towards renewable energy generation and GHG reduction and thereby contributing to national development as well climate change. This further helps policy makers to divert the funds, to be originally used for power sector reforms, for improvement of other sectors.

Environmental well-being:

The wind energy based electricity generation helps in less fossil-fuel burning in the system and thus less GHG emissions in the atmosphere. Use of renewable energy source (wind energy) also helps in conservation of natural resources (like coal), thereby contributing to energy security of the country.

Technological well-being:

The technology used in the power plant is proven and safe. Increased interest in wind energy projects will further push R&D efforts by technology providers to develop more efficient and better machinery in future.