TVS Energy[3] proposes to enter into a Power Purchase Agreement (PPA) with the state utility for the project.

Contribution to Greenhouse Gas Emissions Reduction

The Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India has stipulated the social well-being, economic well-being, environmental well-being and technological well being as the four indicators for sustainable development in the interim approval guidelines by host country for CDM projects[4] approval. The following paragraphs details out the project adherence to the indicators-

Social well-being:

"The CDM project activity should lead to alleviation of poverty by generating additional employment, removal of social disparities and contribution to provision of basic amenities to people leading to improvement in quality of life of people"

The project activity has led to the development of supporting infrastructure such as road network etc., in the wind park location, which also provides access to the local population.
Use of a renewable source of energy reduces the dependence on imported fossil fuels and associated price variation thereby leading increased energy security.
In addition to this, the project proponent will contribute 2% of the CDM revenue realized from the candidate CDM project for sustainable development including society / community development. PP is aware about the Designated National Authority (DNA) guideline and a formal undertaking is being submitted separately.

Economic well-being:

"The CDM project activity should bring in additional investment consistent with the needs of the people" The use of a renewable energy source reduces the nation's dependence on imported fossil fuels and associated price variation thereby leading to increased energy security.

The generated electricity will be fed into the Unified Indian 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.

Technological well-being:

"The CDM project activity should lead to transfer of environmentally safe and sound technologies with a priority to the renewables sector or energy efficiency projects that are comparable to best practices in order to assist in upgradation of technological base"

Increased interest in wind energy projects will further push Research & Development (R&D) efforts by technology providers to develop more efficient and better machinery in future.

Environmental well-being:

[3] https://cdm.unfccc.int/UserManagement/FileStorage/VCNTZDQEBAF8M64KLJGRU0P53S79H2

[4] http://www.cdmindia.gov.in/approval_process.php

"This should include a discussion of impact of the project activity on resource sustainability and resource degradation, if any, due to activity; bio-diversity friendliness; impact on human health; reduction of levels of pollution in general;"

The project activity employs renewable energy source for electricity generation instead of fossil fuel-based electricity generation which would have emitted gaseous, liquid and/or solid effluents/wastes.

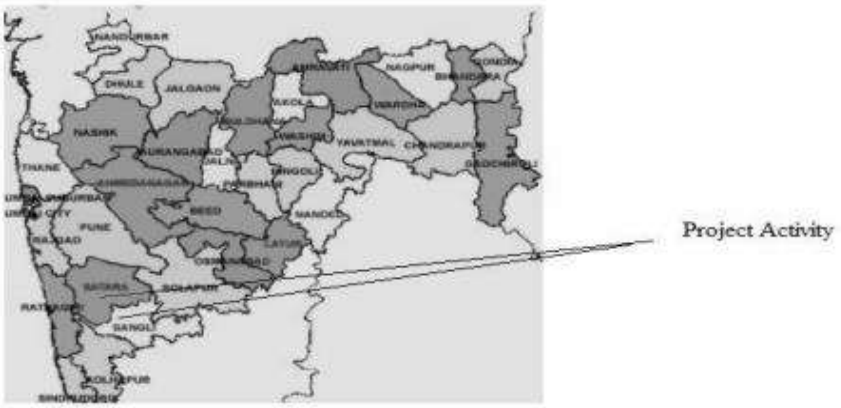
Being a renewable resource, using wind energy to generate electricity contributes to resource conservation. Thus, the project causes no negative impact on the surrounding environment and contributes to environmental well-being.

A.2. Location of project activity

The project activity is located across villages Kaledhon, Mulikwadi and Panchwad in district Satara and villages Vibhutwadi and Kurundwadi in district Sangli, Maharashtra India. The railway station nearest to the site is Karad (50 KMs from site) and the nearest airport is Pune (200 KMs).

Refer Appendix 8 Section for Geo co-ordinates and commissioning dates of all WEGs.

Map of India



Map of Maharashtra state