

“Bac Lieu Province Wind Power Plant” Non-technical Description

Bac Lieu Province Wind Power Plant includes the construction of a near-shore wind power farm on the area of 540ha along the East Dam (De Dong) of Bac Lieu city, Bac Lieu province, Viet Nam with total capacity of 99.2 MW and gross annual electricity output of 335.2 GWh. The project activity will generate renewable power with negligible GHG emissions, which will displace part of the electricity otherwise supplied by fossil fuel fired power plants.

General contributions towards national sustainable development:

- In recent years, Viet Nam has suffered a critical electricity shortage as a consequence from rapidly increasing demand and insufficient supply, thereby imposing negative impacts on economic growth as well as on daily lives of people. This project activity will be a contribution towards balancing the supply and demand gap. The project will help to lessen the risks of cascading national grid collapse due to overload.
- Reducing reliance on exhaustible fossil fuel based power sources and also reducing the import of fuels for the purpose of power generation.
- Modern and highly efficient turbines and generators will be used in the project and modern technology will be transferred to host country.
- Viet Nam has high potential of wind energy. However, the total installed capacity at present is only 19 MW. The project will therefore accelerate the deployment of wind energy technologies in Viet Nam.

Contributions towards local sustainable development:

- a) Economic well-being
 - Once commissioning, this proposed project will increase the industrial share in the economic structure of Bac Lieu province. This proposed project will pay annual tax to the local and State budget.
 - This project will facilitate the industrialisation process as well as tourism industry and services inside the province.
 - The successful implementation of the project will speed up the commissioning of other wind power projects in the region.
- b) Social well-being
 - The construction and operation of this project activity will result in the employment of the local people and contribute directly to alleviate poverty in the region.
 - The project activity will make the scenery of the coastal area more lively and impressive which can be exploited for tourism and recreation.
 - The project will construct a new 22/110 kV-2 x 63 MVA transformer station and about 18.3 km of 110 kV transmission lines together with the wind farm, which will reduce electricity losses and improve the electricity quality supplied in the region.

In conclusion the Bac Lieu province wind power project will contribute positively towards sustainable development and be consistent with the energy policies set by the Government of Vietnam. Therefore, it satisfies the sustainable development criteria for CDM projects set by the DNA of Vietnam.