

Wind Resource Assessment in Uncovered - New Areas under NCEF Scheme

The Ministry has initiated a new scheme on implementation of Wind Resource Assessment in Uncovered/New Areas with an aim to assess the realistic potential at 100 m level in 500 new stations under the National Clean Energy Fund (NCEF) also to be implemented through C-WET (Centre for Wind Energy Technology) . SNAs (State Nodal Agencies) along with Private developers shall invest the entire project cost initially and carry out all necessary works to establish the Wind monitoring stations (WMS).

Scheme Objectives:

- To carry out wind resource assessment in the uncovered/ new areas by installing up to 500 stations with 100 m tall met-towers across the country.
- To collect site specific wind data for a period of approximately 24-36 months.
- To analyze the collected wind data and estimate the wind power potential at 100 m level.
- To prepare a wind resource map showing the wind power potential and generate Micro level wind atlas at 100 m height.
- To enable rapid exploitation of the wind power potential by developing wind power projects.

Ministry shall release 50% of the NCEF grants in accordance with the proposal of C-WET. The financial sanction for the sites to SNAs /private developers will be given by C-WET. The remaining 50% of the grant amount for that particular sanction order shall be released to C-WET for further release on receipt of Utilization Certificate, Audited Statement of expenditure and Physical Progress Report from C-WET.

Highlights

- The recent Wind energy potential of world and India is shown.
- The status and progress of offshore wind energy development in India has been discussed.
- Wind energy potential of North Eastern states of India at 100 m height is shown.
- The support policy and program offered by the government of India is shown.
- The constraints in the development of wind energy and steps to mitigate this constraint is presented.

Nature of Assistance

Under this scheme, 40% of the total project cost will be provided from NCEF as reimbursement through C-WET and balance 60% of the total project cost shall have to be borne together by the concerned State Nodal Agencies (SNA) of State Government and private developer(s).

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Who can apply?

Only the Indian entities viz., Wind farm owners, IPPs, Wind Farm Developers and Wind Turbine Manufacturers are eligible for grant of subsidy in this scheme.

All the private developers shall comply with the Directorate General of Civil Aviation (DGCA) guidelines.

The developer should have in-house resources (e.g., engineering, operation) including experience with environmental permitting and siting issues.

How to apply?

Private developers shall submit the detailed proposals on the prescribed format to respective SNA's. The concerned SNA's will ensure that the first lot of proposals for wind monitoring stations allotted to the state concerned shall be submitted to C-WET within 6 months from the date of issue of the scheme.