

**CENTRE FOR WIND ENERGY TECHNOLOGY**  
**CHENNAI – 600 100**

**Standards and Certification Unit**

**Requirements for installation of prototype wind turbine models in India**

Ministry of New and Renewable Energy (MNRE) has issued guidelines ref. no. 66/155/2012-WE dated 22.05.2012<sup>(1)</sup> for installation of a limited number of prototype wind turbines of unit capacity 225kW and above in India. The Indian Wind Turbine Manufacturers who wish to install prototype wind turbine model(s) for synchronizing with the Indian grid system shall submit the filled in Application Form along with requisite information / documentation to Centre for Wind Energy Technology (C-WET), Chennai. The Application Form can be obtained from C-WET, by sending a written request to C-WET.

The documents / information to be submitted by the Indian Wind Turbine Manufacturer for installation of prototype wind turbine model are mentioned below:

- **Manufacturer Details**
  - Certificate issued by Registrar of companies
  - Memorandum of Association and Articles of Association
  - In case of Joint venture company, Joint venture agreement and details of arrangement structure of all the companies involved in joint venture.
- **Prototype Certification / Design Assessment Details** <sup>(2)</sup>
  - If IEC Certification Scheme is used, valid Prototype Certificate including basis documentation mentioned in the Prototype Certificate shall be provided. In case of its non-availability, a document issued by Internationally Accredited type certification body shall be provided to demonstrate the completion of basic design evaluation as per prototype Certification.  
(OR)
  - If GL Certification Scheme is used, as a minimum, valid “C” design assessment shall be provided.
- **Type Certification / Type Testing details** <sup>(3)</sup>

The Type Certification Scheme shall be in accordance with IEC scheme / GL scheme in vogue.

**Type Certification:**

- Type Certification contract signed with Internationally Accredited Type Certification body.  
(OR)
- Offer and Acceptance provided by the Internationally Accredited Type Certification body along with the work order issued by the wind turbine manufacturer.

**Type Testing:**

- Type Testing contract signed with Internationally Accredited Type Testing body to meet the requirements of Type Certification.  
(OR)
  - Offer and Acceptance provided by the Internationally Accredited Type Testing body along with the work order issued by the wind turbine manufacturer, to meet the requirements of Type Certification.
- Confirmation to provide commissioning certificate / grid synchronization document of all the prototype wind turbines immediately after the commissioning / grid synchronization along with site information.
  - Confirmation to provide generation details on a quarterly basis to C-WET.

**Note:**

1. Kindly refer MNRE guidelines dated 22.05.2012 for detailed requirements on installation of prototype wind turbine models in India for grid synchronization / commissioning.
2. Prototype Certificate/ Design Assessment shall be issued to the Indian company
3. Type Certification / Type Testing contracts shall be signed by the Indian Company