

No.66/53/2006-WE
Government of India
Ministry of New and Renewable Energy
(Wind Power Division)

Block No.14, CGO Complex,
Lodhi Road, New Delhi-11003

Date: 08.12.2009

Sub: Revised Guidelines for Wind Power Projects – Self Certification regarding.

In super-session to this Ministry's Circular of even number dated 06.7.2006 regarding Revised Guidelines for Wind Power Projects and subsequent modifications, revisions and clarification issued from time to time, it has been decided to extend the facility of self-certification for the machines, which are already under type-testing and certification by the Centre for Wind Energy Technology (C-WET) or Internationally Accredited Type-Testing and Certifying Agencies, and any other machines that may be offered and are taken up for testing and certification with the above organizations, subject to the following conditions:

- (i) The manufacturer(s) need(s) to meet the requirement as referred in technical note of C-WET prior to signing of agreement for type testing and certification. The Technical note of C-WET shall be published on the website of C-WET.
- (ii) In case the agreement for type testing and certification is signed with a body other than C-WET, then the type certification scheme shall be in accordance with one of the recognized certification scheme in vogue of TAPS-2000-amended. Further, the manufacturer(s) need(s) also to meet the requirement as per Annexure prior to signing of the agreement for type testing and certification.
- (iii) C-WET would evaluate the eligibility of the manufacturer(s), who approaches for Type testing and Certification, as per the evaluation criteria, which is being followed by C-WET.
- (iv) Self-Certification facility would be available for a maximum period of 18 months from the date of signing of the agreement for type testing and certification with C-WET / Internationally Accredited Type-Testing and Certifying Agency. Those wind turbine can be included in the Revised List of Models and Manufacturers (RLMM) under Table-B i.e. "Model under testing and certification of C-WET / Internationally Accredited Type-Testing and Certifying Agency" in the list to be issued by C-WET.

- (v) In case the manufactures fail to submit necessary documentation as per the agreed schedule/time limit with C-WET/Internationally Accredited Type -Testing and Certifying Agency, the specific models of such manufacture(s) would be kept in a separate category “C”, in the “Revised List of Models and Manufacturers thereof” withdrawing their entitlement for commercial deployment of machines.
- (vi) Indian manufacturing facility shall be inspected by C-WET/RLMM Committee for verification of adequacy of facilities, prior to inclusion in RLMM.

2. The number of wind turbine models allowed under self certification shall be for two categories of manufacturers i.e. for existing manufacturers and for new manufacturers. The eligibility criteria for existing and new manufacturers and the number of machines allowed for installation / commissioning under the self certification scheme respectively will be as under:

2 (I) For existing manufacturers

a. Qualifying criteria*

- ♦ Having own manufacturing facility in India and is in operation for past five years.
- ♦ Has obtained ISO-9001 certificate and has capacity to provide full fledged after sales service.
- ♦ Has a track record of installation of atleast 100 MW wind power projects in India.
- ♦ Atleast one model has been tested and certified by C-WET or any recognized international agency.

**The decision of C-WET/ Revised List of Models and Manufacturers (RLMM) committee shall be final on the matter.*

b. Number of machines allowed to be installed

The existing manufacturers shall be permitted to install and commission. 50 no. of machines on commercial basis from the date of signing of agreement for type testing and certification with C-WET / internationally accredited type testing and certifying agency (after completing the requirements as given in Annexure-III and Annexure-IV respectively of the Technical note to be prepared by C-WET – Refer Para 1 (i) above).

2 (II) For new manufacturers

a. Qualifying criteria**

- ♦ Should have own manufacturing facilities in India
- ♦ Should obtain ISO-9001 certification within a period of six months from date of signing of agreement for type testing and certification with C-WET / internationally accredited certifying agency.
- ♦ Should provide confirmation on quality after sales service to C-WET / *Revised List of Models and Manufacturers (RLMM) committee.*

***The decision of C-WET/ Revised List of Models and Manufacturers (RLMM) committee shall be final on the matter.*

b. Number of machines allowed to be installed

The new manufacturer shall be permitted to install and commission. 20 no. of machines on commercial basis from the date of signing of agreement for type testing and certification with C-WET / internationally accredited certifying agency (after completing the requirements as given in Annexure-III and Annexure-IV respectively of the Technical note to be prepared by C-WET – Refer Para 1 (i) above).

3. C-WET would undertake evaluation of the Wind Turbines set up under Self-Certification by following the procedure as given below and send recommendations to the Ministry to consider the continuation of models' entitlement for Self-Certification facility.

- (i) The manufacturer shall make full particulars of all installations including performance guarantees provided to the C-WET and the Ministry. The company shall also submit reports annually on all such installations analyzing the performance and failure reports with reasons thereof.
- (ii) The manufacturers shall give full particulars of the customers. The Ministry or its assigned establishment may also directly obtain details from the customers wherever required. A standardized questionnaire shall be prepared and used for obtaining details.

4. The above guidelines are being issued with the approval of the competent authority in the Ministry and shall continue until further orders.

(G. UPADHYAY)
Director

To

All concerned.

REQUIREMENTS FOR INDIAN WIND TURBINE MANUFACTURER, SIGNING AGREEMENTS WITH FOREIGN TYPE TESTING AND TYPE CERTIFICATION BODIES (OTHER THAN C-WET)

This guideline document is applicable for the Indian Wind Turbine Manufacturers those who signed the projects for the Type Testing and Type Certification under the recognized Type Certification schemes (in vogue) as per TAPS-2000 (amended) with any International Accredited Type Testing and Certification Body other than C-WET and seeking inclusion in RLMM list under Self Certification as per the MNRE guidelines.

- 1. The following minimum requirements to be fulfilled by a wind turbine manufacturer prior to inclusion in RLMM:**
 - i. The wind turbine manufacturer shall submit the following documentation to the Type Certification Body, as a minimum, prior to signing of the agreement.**
 - Wind Turbine description**
 - Detailed Technical specifications including the make, model and source of the major components**
 - External condition and wind turbine design class**
 - Loads and load cases document including the details of Design Load Cases (DLCs).**
 - Control and safety philosophy including braking programs with their timings.**
 - RAM dump / Set point list.**
 - Description and Schematics of Electrical Power and Control Systems.**
 - Description and Schematics of Hydraulic / Pneumatics system.**
 - List of Measurement Load Cases (MLCs).**

The wind turbine manufacturer shall submit a letter issued by the Type Certification Body regarding the status of submission of the above said documentation.

- ii. Copy of the agreements signed for Type Testing and Certification including Time Schedule details.**
- 2. After signing the agreement, the wind turbine manufacturer shall submit all the required documentation for Type Certification within the time schedule or extension, if any as per the MNRE guidelines. The wind turbine manufacturer shall submit a letter issued by the Type Certification Body regarding the status of submission of the all the required documentation for Type Certification within the time schedule or extension, if any. Similarly, a letter issued by the type testing body regarding the status of type testing shall be submitted.**