



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

Technical Note: CWET/S&C/TN/02/2009

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Sub: Guidelines on technical requirements to be fulfilled by a Wind Turbine Manufacturer, prior to signing the agreement for Provisional Type Certification with C-WET.

This guideline document is applicable for the wind turbine Manufacturers those who wish to sign for the Provisional Type Certification projects with C-WET.

The complete documentation requirements for the Provisional Type Certification of the wind turbines under Category I, II & III are given in the TAPS-2000 (amended). However the wind turbine manufacturers shall provide the documents listed below depending on the Category, prior to signing the Provisional Type Certification agreement as per TAPS-2000 (amended):

1. For Category – I Projects, type certificate and certification reports issued by the accredited type certification body as per the recognized schemes (in vogue) as per TAPS-2000 (amended) and the time schedule for submission of complete documentation.
2. For Category – II & III projects:
 - Wind Turbine description.
 - External condition and wind turbine design class.
 - Load and load cases document including the details of Design Load Cases (DLCs).
 - Type certificate and certification reports issued by the accredited type certification body as per the recognized schemes (in vogue) as per TAPS-2000 (amended) including design deviation, if any. (Only for category – II).
 - 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).
 - Design data of the wind turbine as per the format provided by S&C unit.
 - Input for the review of site feasibility report.
 - Site feasibility report issued by Testing Unit for the selection of site.
 - Time schedule for submission of complete documentation as per TAPS-2000 (amended)

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