



National Institute of Wind Energy
Testing & Research Station Unit
Chennai-600 100

Technical Note: NIWE/T&R/TN/02/2018

Date: 01.11.2018

Sub: Guidelines for scheduling activities for Type Testing

For the successful completion of a Type Testing/ Field Measurement the timely completion of the following milestone activities is a must:

1. Site feasibility studies.
2. Installation & Commissioning of the Test Turbine.
3. Finalization of the test plan.

Over runs to the planned schedule w.r.t. the above activities impact the of starting and completion of Testing assignments in a windy season, for which the agreement has been signed.

Windy period from April to September is the predominant window available in India for a complete measurements and NIWE takes up simultaneous measurements in different parts of the country, time of essence when it comes to start and completion. NIWE working team needs to adhere to the time schedule.

In order to aid the customer and NIWE in carrying out the Test Campaign, the following schedule is proposed and shall be adhered to.

Sl.No	Site feasibility – Activities	Time frame
1.	Input to NIWE for the site feasibility studies(Please refer Technical Note- NIWE/T&R/TN/01/2018	Latest by first week of January.
2.	Site feasibility report issued by Testing Unit.	Latest by first week of February.
3.	Comments on site report by Certifying body.	Latest by third week of February.
4.	Incase site does not meet the requirements, and if an alternate site is proposed then alternate site report shall be released.	Latest by first week of March.
5.	Certifying body comments on alternate site report.	Latest by third week of March.
6.	Agreement signing.	Latest by third week of March.

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Sl. No	Test Plan finalization – Activities	Time frame
1.	Submission of input documents as listed below * to Testing unit.	Latest by first week of January.
2.	Completion of review of MLCs by Certifying body.	Latest by last week of January.
3.	Final conclusion on MLCs.	Latest by first week of February.
4.	In case of any delay in finalising of MLCs/other tests.	Latest by second week of February.
5.	Agreement signing.	Latest by second week of February.
6.	Release of draft test plan by Testing Unit.	Latest by second week of February.
7.	Comments on draft test plan by Certifying body and issue of final test plan.	Latest by last week of February.
8.	Signing of the test plan.	Latest by First week of March.

MLC- Measurement Load Case

Sl.No	Test turbine – Activities	Time frame
1.	Availability of Test turbine at factory.	Latest by first week of March
2.	Instrumentation of the Test turbine at factory.	Latest by third week of March
3.	Dispatch of the wind turbine by the manufacturer/customer.	Latest by fourth week of March
4.	Erection and commissioning of the wind turbine by manufacturer/customer to the test site.	Latest by second week of April
5.	Instrumentation of erected turbine at site.	Latest by second week of April
6.	Start of measurements.	Latest by fourth week of April

*Input documents to be submitted by the customer

- a. Control and safety philosophy including braking programs with their timings.
- b. Load and load cases document including the details of DLCs.
- c. List of MLCs.
- d. Documentation for evaluating the taking up of Type testing.
- e. Letter of acceptance of the Certifying body to engage NIWE for Type testing.

Note 1. The requests for Type testing received after the above mentioned schedule/non adherence of the above mentioned schedule for requests received shall be taken up in the next windy season.

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