

Procedure for commissioning of new of new elements

Regulation: IEGC 5.2

Applicability :

1. All transmission lines of 400kv and above.
2. All interstate and inter regional transmission lines irrespective of the voltage level
3. Generating units over and above the particular capacity.

Procedure for interconnection of new transmission element

The transmission licensee shall intimate the concerned RLDC the details as given below generally 15 days prior to the anticipated date of first test charging.

Annexure A1: Intimation regarding anticipated charging of the line along with the list of the desired documents being submitted as per **Format I**.

Annexure A2 : List of elements to be charged and Element Rating details as per **Format IA**

Annexure A3 : PDF File of Single line diagram of the concerned sub stations in AUTO CADD format submitted by erection company, along with status of completion of each dia/bus/breakers clearly indicating which elements are proposed to be charged.

Annexure A4 : List of SCADA points to be made available (as per standard requirement, RLDC would need all MW and MVAR data, voltage and frequency of all the buses, all the breaker and isolator positions, OLTC tap positions, Main-1/Main-2 protection operated signals)

Annexure A5 : Location of Energy meters as per relevant CEA regulations.

Stages	Main meter	Check Meter	Standby Meter
Generating station	On all outgoing feeders	On all outgoing feeders	HV Side of GT HV side of all UAT
Transmission & distribution System	At one end of the line between the SS	-	-
ICT	HV side of ICT	-	LV side of ICT

Additional:

1. Charging instructions
 2. Standing committee approval
 3. Availability of line reactors as per approved scheme
 4. Approval for changes in the approved scheme
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- a. **Annexure B1:** Request for charging of the new transmission element along with the summary of the undertakings .
 - b. **Annexure B2:** Undertaking in respect of Protective systems
 - c. **Annexure B3:** Undertaking in respect of Telemetry and communication system.
 - d. **Annexure B4:** Undertaking in respect of Energy metering .
 - e. **Annexure B5:** Undertaking in respect of Statutory Clearances and PTCC approval.