

(Computer No: 5525)



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केंद्रीय विद्युत प्राधिकरण
Central Electricity Authority
तापीय अभियांत्रिकी एवं प्रौद्योगिकी विकास प्रभाग
Thermal Engineering & Technology Development Division

Subject: Draft Guidelines for Type Tests validity of Electro-Mechanical Equipment and Draft Guidelines for Model Quality Assurance Plan (MQAP) for major Electro-Mechanical Equipment in Thermal Power Sector – for Stakeholder(s) comments regd.

A Committee on Standardization of Testing Protocols for Electro-Mechanical Equipment in Power Sector under the Chairmanship of Member (GO&D and Hydro), CEA was constituted in November 2021. In the meetings of the Committee, following decisions were taken:

- (i) CEA Guideline for Type Testing protocols for major Electro-Mechanical Equipment covering all segments of Power Sector (i.e. Thermal, Hydro, RE, Transmission and Distribution), shall be made part of the CEA regulations to make it enforceable.
 - (ii) Model QAP (Quality Assurance Plan) for major Electro-Mechanical Equipment for all segments/ sub-sectors of Power Sector shall also be framed and made part of the CEA Regulations on “Technical Standards for Construction of Electric Plants and Electric Lines” to make them enforceable.
 - (iii) Five (5) Sub-Groups were constituted to identify the major Electro-Mechanical Equipment in respective sub-sectors of Power Sector, and prepare the Type Testing Protocols and Model QAPs for same and also prepare draft CEA Guidelines on Type Testing protocols/ QAPs for legally enforceable by making it as a part of the CEA’s Regulation on “Technical Standards for Construction of Electric Plants and Electric Lines”, for which the amendment/ repeal process for said 2010 Regulations is currently underway.
2. In view of point no. (iii) above, a sub-group was constituted comprising of representative from NTPC, MAHAGENCO and Tata Power for thermal sub-sector of power sector and the above documents i.e. i) Draft Guidelines for Type Tests validity of Electro-Mechanical Equipment and ii) Draft Guidelines for Model QAP (Quality Assurance Plan) for major Electro-Mechanical Equipment for Thermal Power Projects have been prepared and are

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attached herewith for wider circulation for your valuable comments/ suggestions. The documents are also available on CEA website at following links:

- (i) https://cea.nic.in/wp-content/uploads/te_td/2022/01/DRAFT_GUIDELINES_FOR_THE_VALIDITY_PERIOD_OF_TYPE_TESTS_CONDUCTED_ON_MAJOR_ELECTRICAL_MECHANICAL_EQUIPMENT_IN_THERMAL_POWER_SECTOR-1.pdf
- (ii) https://cea.nic.in/wp-content/uploads/te_td/2022/01/DRAFT_GUIDELINES_FOR_MODEL_QUALITY_ASSURANCE_PLAN_MQAP_FOR_MAJOR_ELECTRICAL_MECHANICAL_EQUIPMENT_IN_THERMAL_POWER_SECTOR-2.pdf

3. All stakeholders are requested to send their comments/ suggestions **latest by 18th February, 2022** on email cetetd-cea@gov.in and okshukla@nic.in.

Encl: As above.

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To,

All Thermal Power Generating Plants / Utilities (Public or Private), Power Equipment Manufacturers in the Country