



भारत सरकार
विद्युत मंत्रालय
केन्द्रीय विद्युत प्राधिकरण
इमर्जिंग टेक्नोलॉजी एंड इन्वोवेशन प्रभाग

To,

(All Power Sector Utilities)

Subject: Issues and measures taken to improve the Quality of Power Sector Equipment and Installations.

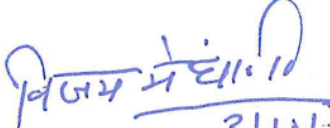
A meeting was held under the Chairmanship of the Advisor to the Hon'ble Prime Minister on 15.07.2025 regarding Quality Infrastructure Projects. In compliance with the discussions, the Secretary (Power) highlighted the importance of strengthening Quality Assurance, Monitoring, Assessment, Enforcement, and adoption of Technology (including drone-based monitoring) in the power sector.

2. As per Section 73 of the Electricity Act, 2003, the Central Electricity Authority (CEA) is empowered to specify regulations relating to technical standards for construction, operation, and maintenance of electrical plants and lines, as well as grid standards and safety requirements. These regulations mandate that equipment and installations conform to relevant national or international standards.
3. Further, under Section 16 of the BIS Act, 2016, the Central Government can mandate the use of a Standard Mark on goods, processes, and systems in the public interest, thereby legally enforcing quality standards in critical sectors such as power equipment. Quality Control Orders issued by the concerned Ministry are aimed at ensuring compliance in this regard.
4. Additionally, a Standardisation Cell of Ministry of Power has been established in Central Electricity Authority to facilitate the adoption of Indian Standards, identification of new technologies, and strengthening of compliance frameworks.
5. In view of the above, all Power Sector Utilities (Generation, Transmission, Distribution) are requested to furnish the following inputs:
 - (i). Specific issues faced regarding the quality of equipment, installations, or during the operation of the equipment (e.g., transformers, switchgear, conductors, etc.).
 - (ii). Details of steps undertaken to improve quality, enforcement measures, or monitoring mechanisms.

- (iii). Suggestions for strengthening quality infrastructure, compliance, or adoption of emerging technologies for improved reliability and safety of power sector assets.

6. The above information may please be furnished within 15 days.

This issues with the approval of the competent authority, CEA.


(विजय मेंघाणी) 31/10/25
मुख्य अभियंता

प्रतिलिपि:

1. विशेष सहायक, अध्यक्ष, के.वि.प्रा.
2. विशेष सहायक, सदस्य (योजना), के.वि.प्रा.
3. विशेष सहायक, सदस्य (तापीय), के.वि.प्रा.
4. विशेष सहायक, सदस्य (जल विधुत), के.वि.प्रा.
5. विशेष सहायक, सदस्य (ग्रिड प्रचालन व वितरण), के.वि.प्रा.
6. विशेष सहायक, सदस्य (विधुत प्रणाली), के.वि.प्रा.