



सत्यमेव जयते

भारत सरकार/Government of India
विद्युत मंत्रालय/Ministry of Power
केन्द्रीय विद्युत प्राधिकरण/Central Electricity Authority
एन.पी.सी. प्रभाग/National Power Committee Division
6th Floor (North), Sewa Bhawan, R.K. Puram, New Delhi-66

No. CEA/GO-15-14/1/2021-NPC Division /67

Date: 25.05.2026

To,

1. Regional Power Committees (RPCs)
2. Regional Load Despatch Centres (RLDCs)
3. State Load Despatch Centres (SLDCs)

विषय: आइलैंडिंग योजनाओं की निरंतर निगरानी और परीक्षण के संबंध में निर्देश।

Subject: Directions Regarding Continuous Monitoring and Testing of Islanding Schemes—
reg.

Sir/ Madam,

Ensuring the uninterrupted operation of critical services during emergencies is of paramount important, Islanding Schemes are one of the measures which prevent total blackout and enable quicker restoration of grid at the time of grid disturbances. As per Central Electricity Authority (Grid Standards) Regulation, 2010, “(1) The Regional Power Committees shall prepare Islanding schemes for separation of systems with a view to save healthy system from total collapse in case of grid disturbance. (2) The Entities shall ensure proper implementation of the Schemes referred to in sub-regulation (1).

2. The effective implementation of islanding schemes is vital for maintaining continuity of essential services during grid failures. At present, 23 islanding schemes are operational across the Indian power system (Copy Enclosed). The successful functioning of embedded generation within these schemes is crucial for their intended performance during any grid contingency.
3. During the Conference of Power Ministers held in 2025, all regions agreed upon the following measures regarding islanding schemes and system protection mechanisms:

- a) Periodic review and testing (simulation-based or field-based) of all schemes shall be undertaken.
 - b) AUFLS and df/dt protection systems shall be tested to ensure reliability.
 - c) Real-time visibility and monitoring of system parameters for the islanding scheme shall be ensured by concerned RLDCS/SLDCS.
 - d) Embedded generation forming part of islanding schemes shall be operated as required, including during off-merit situations. Appropriate compensation mechanisms for such minimum generation levels shall be developed, with the SERCS/CERC determining the methodology to ensure financial viability.
4. In view of the above, the following actions required to be done on priority:
- a) A **Comprehensive reviews** of all the Islanding schemes and LGB to be monitored continuously with the participating generators and loads. Specifically, the critical loads such as Airport, Defense & Critical loads within the islands are to be reviewed.

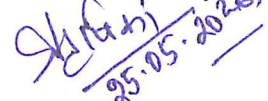
(Action: RPCs/RLDCs/SLDCs)

- b) **Testing and Validation of Islanding Schemes:** Periodic testing of the implemented islanding schemes must be carried out to ensure their readiness and functional health.

(Action: RPCs/RLDCs/SLDCs)

Encl: As above

Yours faithfully,


25.05.2026

(ऋषिका शरण/ Rishika Sharan)
मुख्य अभियंता एवं सदस्य सचिव (रा. वि. स.)

Copy for kind information to:

1. SA to Chairperson, CEA
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