



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/25

Date: 17.02.2026

To

(As per distribution list)

विषय: राष्ट्रीय विद्युत समिति (एनपीसी) की 17वीं बैठक के लिए नोटिस और एजेंडा-के सम्बन्ध में।

Subject: Notice and Agenda for the 17th meeting of National Power Committee (NPC)-reg.

महोदया/महोदय,

In continuation to NPC Secretariat notice dated 13.01.2026 for 17th NPC meeting, it is informed that 17th meeting of NPC is scheduled to be held under the Chairmanship of Chairperson CEA/NPC at Vizag, Andhra Pradesh as per details given below:

Date	Meeting	Venue	Time
27.02.2026	17 th NPC	Radisson Blu, Visakhapatnam Survey No: 106, Rushikonda, Beach Rd, Yendada, Endada, Andhra Pradesh 530045	10.00 Hrs

2. The Agenda of the meeting is attached herewith for your kind information and necessary action.

3. The coordinating officer's details are given below:

Name & Designation	Organization	Contact No.	Email
Shri. Ravi Kant, Executive Engineer	NRPC	8586825256	ravikant.cea@gov.in
Shri. Reeturaj Pandey, Executive Engineer	NRPC	9711807447	pandeyr.cea@gov.in

It is requested to send the travel plan to the coordinating officers with a copy to cenpccea@gmail.com for smooth arrangement of logistics for the 17th NPC meeting.

Kindly make it convenient to attend the meeting.

भवदीय/Yours faithfully

(Handwritten signature)
17/04/2026

(ऋषिका शरण/Rishika Sharan)

मुख्य अभियन्ता एवं सदस्य सचिव, रा.वि.स /
Chief Engineer & Member Secretary, NPC

Distribution List (Members of NPC):

1. Shri. Metbah Lyngdoh, Hon'ble Power Minister, Govt. of Meghalaya & Chairperson, NERPC, MG Road, Secretariat Hills, Meghalaya, Shillong-793001.[Email:metbah@gmail.com]
2. Shri. Hemant Jain, Member(GO&D),CEA, Room No. 601 (North), 6th Floor, Sewa Bhawan, Sector-1, R.K. Puram, New Delhi-110066 [Email: member.god@cea.nic.in/ hemjain.cea@nic.in]
3. Smt. Pansangiat Sun, Chairperson, TCC(NERPC) and Director(Transmission), MePTCL, Lumjingshai, S.R. Road, Shillong-793002 [Email: directormeptcl@gmail.com/ dt.meptcl@meghalaya.gov.in]
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6. Shri. Minhaj Alam, Chairperson, SRPC and Chairman & Managing Director, Kerala State Electricity Board, Vidyuthi Bhavanam, Pattom, Thiruvananthapuram-695004. [Email: cmdkse@kse.in]
7. Shri. Sivadas.S, Chairperson, TCC(SRPC) & Director (Transmission, System Operation & Planning), Kerala State Electricity Board Limited, Vidyuthi Bhavanam, Pattom, Thiruvananthapuram - 695 004. [Email: dtkse@gmail.com]
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10. Shri. Lokesh Chandra, IAS, Chairperson, WRPC & ACS, Chairman and Managing Director, MSEDCL, Prakashgad, Bandra East, Mumbai-400051 [Email: md@mahadiscom.in/ mdmsedcl@gmail.com]
11. Shri.Yogesh Gadkari, Chairperson TCC ((WRPC) & Director (Commercial), Maharashtra State Electricity Distribution Company Ltd. Prakashgad, Bandra East, Mumbai-400051 [Email ID: directorcommsedcl@gmail.com]
12. Member Secretary, ERPC,14,Golf Club Road, ERPC Building, Tollygunje,Kolkata-700033. [Email: mserpc-power@nic.in]
13. Smt. Rishika Sharan, Member Secretary, NRPC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi-110016.[Email: ms-nrpc@nic.in]
14. Shri. Asit Singh, Member Secretary, SRPC, No.29, Race Course Cross Road, Bengaluru-560009. [Email: mssrpc-ka@nic.in]
15. Shri. Deepak Kumar, Member Secretary, WRPC, Plot No- F-3, MIDC Area, Marol, Opp. SEEPZ, Central Road, Andheri (East), Mumbai-400093.[email: mswrpc@nic.in]
16. Shri. K B Jagtap, Member Secretary, NERPC, NERPC Complex, Dong Parmaw, Lapalang, Shillong-793006. [Email: ms-nerpc@gov.in]
17. Shri. S. C. Saxena, CMD, GRID-INDIA, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016.[Email: cmd@grid-india.in]

18. Shri. Kailash Kumar Gupta, COO, CTU, Saudamini, Plot No.2, Sector-29, Gurugram-122001. [Email: coo-ctu@ctu.in]

Special Invitees

1. Member (PS), CEA, R. K. Puram, New Delhi-110066
2. CMD, PowerGrid, Saudamini, Plot No.2, Sector-29, Gurugram-122001

Copy for kind information to:-

3. SA to Chairperson, CEA, New Delhi
4. SA to Member (Go&D),CEA, New Delhi



केंद्रीय विद्युत प्राधिकरण
Central Electricity Authority

राष्ट्रीय विद्युत समिति
National Power Committee

Agenda Notes – 17th Meeting of
National Power Committee

To be held on 27.02.2026

At

Vizag, Andhra Pradesh

केंद्रीय विद्युत प्राधिकरण/Central Electricity Authority
राष्ट्रीय विद्युत समिति/ National Power Committee

Agenda Notes – 17th Meeting of National Power Committee (NPC) to be held on 27.02.2026 at Vizag, Andhra Pradesh.

1. Confirmation of Minutes of 16th Meeting of NPC

The Minutes of 16th Meeting of NPC held on 04.07.2025 at Shillong, Meghalaya were circulated vide letter No. CEA-GO-15-14/1/2021-NPC division/160 dated 15.09.2025. The inputs were received from ETI Division, CEA and CTUIL only and the same is tabulated below:

- 1.1. ETI Division, CEA vide letter dated 01.10.2025 (attached at **Annexure-I**) suggested for the following changes in the 16th NPC meeting minutes:

<u>Agenda 2.2: Introduction of MPLS Technology in ISTS Communication system (Agenda from CTU):</u>		
Para No. of 16th NPC Minutes	Existing Clause of 16th NPC Minutes	ETI Division, CEA Comment/Amendment proposed by ETI Division, CEA
2.2.8	Chairperson, CEA/NPC further suggested that the Technical Specifications (TS) for MPLS-TP deployment may be finalized within four (04) months, in parallel with the processing of Make in India (MII) policy relaxations. The matter concerning Make in India (MII) compliance may be taken up by the ET&I Division, CEA, with the Ministry of Power (MoP). He advised to place the agenda for the implementation of MPLS technology in the ISTS system before the NCT for consideration and approval within the next <u>six months</u> . Additionally, he advised CTUIL to initiate the necessary exercise in consultation with States, on their FOTE requirements, to facilitate an informed assessment of the overall market potential and a comprehensive implementation plan with reduced timelines for deploying MPLS technology in ISTS and intra-state (InSTS) communication systems, extending down to the 11 kV level, may be formulated.	Chairperson, CEA/NPC further suggested that the Technical Specifications (TS) for MPLS-TP deployment may be finalized within four (04) months, in parallel with the processing of Make in India (MII) policy relaxations. The matter concerning Make in India (MII) compliance may be has already been taken up by the ET&I Division, CEA, with the Ministry of Power (MoP) and matter may be pursued again.

2.2.9 iv.	Matter related to 'Make in India' compliances for FOTE (Fiber Optic Terminal Equipment) equipment shall be taken up by ET&I Division, CEA with MoP	Matter related to 'Make in India' compliances for FOTE (Fiber Optic Terminal Equipment) equipment shall be taken up again by ET&I Division, CEA with MoP
New Para to be added in 16th NPC Minutes as proposed by ETI Division, CEA.		MS (NPC) informed that as per information received from ET&I Division that in pursuance of the decision taken vide para 10 e (ii) of minutes of 15th NPC meeting dated 14.11.2024, necessary action has been taken. A detailed proposal with justification was sent to MOP on 8.5.2025 to provide for exemption and to allow both Class -I and Class-II suppliers to participate in tenders for FOTE (MPLS-TP/IP) equipment's. Queries of Ministry of Power has been replied on 13.6.2025 and on 2.7.25 annual demand supply position of FOTE equipment has been provided to Ministry of Power. Now, matter is under consideration in Ministry of Power.

- 1.2. CTUIL vide email dated 08.10.2025 (attached at **Annexure-II**) provided comments on 16th NPC meeting minutes:

<u>Agenda 2.2: Introduction of MPLS Technology in ISTS Communication system (Agenda from CTU):</u>			
Para No. of 16th NPC Minutes	Existing Clause of 16th NPC Minutes	Amendment proposed by CTUIL	Remark by CTUIL
2.2.9 (v)	A comprehensive implementation plan with reduced timelines for deploying MPLS technology in ISTS and intra-state (InSTS) communication systems, may be formulated. CTU will explore and assess the total number of FOTE (Fiber Optic Terminal Equipment) required for ISTS and intra-state (InSTS) communication	A comprehensive implementation plan with reduced timelines for deploying MPLS technology in ISTS and intra-state (InSTS) communication systems, may be formulated. CTU will explore and assess the total number of FOTE (Fiber Optic Terminal Equipment) required for ISTS and intra-state	CTU has already submitted the projection for ISTS FOTE requirement to CEA PCD division in June'25. Intra state communication schemes are planned and implemented by respective STUs themselves. Many STUs are in advance stage of implementation of MPLS and some of STUs have already implemented e.g. RRVPNL, TANTRANSCO.

	systems in the country (Action: CTU)	(In STS) communication systems in the country. (Action: CTU/ All RPCs/ STUs)	Therefore, CEA may coordinate with STUs for such comprehensive requirement.
<u>Agenda 2.12 Unified Real Time Dynamic State Measurement (URTD SM) Project Phase-II (Agenda of PowerGrid)</u>			
Para No. of 16th NPC Minutes	Existing Clause of 16th NPC Minutes	Amendment proposed by CTUIL	Remark by CTUIL
2.12.5 (i)	The URTDSM project Phase-II proposal and its mode of implementation may be put up in the NCT meeting after deliberations in RPCs (Action: CTUIL/POWERGRID)	The URTDSM project Phase-II proposal and its mode of implementation may be put up by POWERGRID/ Grid India in the upcoming RPCs for deliberations NCT meeting after deliberations in RPCs (Action: CTUIL/POWERGRID/ Grid-India)	This project is related to system operation needs similar to SCADA system of Grid India. The approval process shall be followed as per other SCADA projects of Grid-India.

Members may deliberate the comments received from ETI Division, CEA and CTUIL and the Committee may confirm the minutes of the 16th meeting of NPC.

2. Final SoP/ Guidelines for diversion of RPC approved Spare Transformers and Reactors to the constituents / state transmission utilities (Agenda from SRPC and NRPC):

- 2.1. The agenda for SoP/ Guidelines for diversion of RPC approved Spare Transformers and Reactors to the constituents / state transmission utilities has been received from SRPC vide email dated 28.10.2025 and from NRPC vide email dated 19.01.2026.
- 2.2. From time to time, Regional Power Committees (RPCs) have approved procurement of cold spare transformers and reactors based on regional requirements assessed as per recommendations of the Committee constituted by CERC. During deliberations in various RPC and sub-committee meetings, the need for a standardized and transparent mechanism for utilization/diversion of such RPC approved spares by constituent utilities / State Transmission Utilities (STUs) was emphasized.
- 2.3. Accordingly, SRPC and NRPC have separately examined the matter and finalized region specific Standard Operating Procedures (SoPs) / Guidelines for diversion of RPC approved spare transformers and reactors, which have now been referred to NPC for consideration with a view to ensuring uniformity at the pan-India level.
- 2.4. In Southern Region, PGCIL placed the requirement of cold spare transformers and reactors before the 50th TCC and 53rd SRPC Meetings (30.11.2024 and 29.11.2024). During discussions, PGCIL was requested to evolve a detailed modality for utilization of regional spares. In compliance, PGCIL submitted a draft SoP, which was deliberated in the 62nd Meeting of the Commercial Sub-Committee of SRPC (07.03.2025) and 224th OCC Meeting (11.03.2025). As per the decision of the 28th National Committee on Transmission (NCT), it was agreed that comprehensive proposals for all regions may be placed before NPC. Subsequently, PGCIL submitted a revised and finalized SoP (attached at **Annexure-III**), incorporating suggestions of Southern Region beneficiaries and SRPC

Secretariat, which has been approved by PGCIL Corporate Office and forwarded for NPC approval.

2.5. In Northern Region, the issue of diversion of RPC approved spare transformers and reactors was deliberated in the 80th NRPC meeting held on 18.07.2025, wherein POWERGRID was asked to submit draft guidelines covering scope, cost implications, penalty provisions, responsibilities of borrowing utilities, timelines for return, and related aspects. The draft guidelines were examined in the 234th, 235th, and 236th OCC meetings of NRPC and 52nd Commercial Sub-Committee (CSC) meeting of NRPC. The finalized guidelines (attached at **Annexure-IV**) were approved in the 81st NRPC meeting held on 31.10.2025 for diverting RPC approved cold spares (transformers and reactors) to regional constituents and asked RPC secretariat to implement the same. NRPC Forum further recommended that the guidelines may be placed before NPC to ensure pan-India uniformity.

2.6. General Features of the SOP is as below:

- i. The SOP lays down a structured framework for diversion of RPC-approved regional spare transformers and reactors maintained by POWERGRID to address emergency and contingency situations, while ensuring continued readiness of the ISTS.
- ii. The SOP is applicable exclusively to regional spares approved by the concerned RPC and installed at ISTS substations. Diversion is permitted only to ISTS entities (POWERGRID/TSPs) and, in case of equipment failure, to STU substations.
- iii. Diversion for new projects, capacity augmentation, or inter-regional transfer is explicitly prohibited, thereby preserving the strategic role of regional spares for grid security.
- iv. All diversions are allowed strictly on a replenishment basis, with ownership of the equipment remaining with POWERGRID at all times.
- v. The SOP clearly delineates roles and responsibilities of POWERGRID, borrowing TSPs/STUs, and the RPC Secretariat, ensuring transparency, accountability, and regulatory oversight.
- vi. A defined diversion procedure is prescribed, including submission of a formal request with technical justification, evaluation by the RPC forum, and execution of a MoU within a stipulated timeframe following RPC approval.
- vii. The SOP mandates joint inspection and testing of the equipment prior to diversion as well as upon return, to safeguard asset condition and operational reliability.
- viii. Timelines and tenure of diversion are clearly specified, with diversion normally permitted up to 24 months, extendable only with explicit RPC approval. Provision is also made for early recall in the interest of grid security.
- ix. Key milestones such as Zero Date (handover date) and Return Date (re-handover date) are clearly defined to enable effective monitoring and compliance.
- x. Bank Guarantee equal to equipment cost, valid till 45 days after return.
- xi. Delay beyond 24 months: 15% of YTC penalty (pro-rata) and continued default: BG encashment or regulatory action.
- xii. POWERGRID maintains central register with all diversion details which Includes borrower data, equipment details, test results, and YTC adjustments. SOP reviewed periodically for operational or regulatory updates.

2.7. In view of the above, it is proposed to constitute a Committee comprising representatives from RPCs, RLDCs, POWERGRID and one STU from each region to examine the SoPs/Guidelines finalized by SRPC and NRPC and to formulate uniform SoP / Guidelines for diversion of RPC-approved spare transformers and reactors at the pan-India level.

Members may deliberate.

3. Congestion Statement for RE entities (Agenda from SRPC):

- 3.1. It may kindly note that Congestion Statements are being issued frequently due to excess Southern Region export scenarios. It has been observed that the WRPC has been issuing Congestion Statements that include Renewable Energy (RE) entities, whereas SR has not adopted this practice. This indicates a variable approach among regions in the treatment of RE generators under congestion scenarios. Once a Congestion Warning is issued, RE generators are unable to vary their generation. In light of this, RE entities have been excluded from the process of issuing Congestion Statements.
- 3.2. Accordingly, this agenda item was discussed in the Commercial Sub-Group meeting of NPC held on 27.10.2025 (record notes is attached at **Annexure-V**) and it was agreed in the meeting that the Congestion Statement will include RE entities as per the prevailing Congestion Regulation of CERC. It was also decided that this agenda may be placed in the forthcoming NPC meeting (17th NPC meeting) for further approval.

Members may deliberate.

4. Modification in REA Format/Computation for 55%-SFC Compensation (Agenda from SRPC):

- 4.1. Based on revised part load compensation Regulation/Procedure (CERC, vide Order dated 14.07.2025 attached at **Annexure-VI**), the following details are included in the Account Statement of REA as “Compensation for Degradation of Heat Rate (SHR) and Auxiliary Energy Consumption (AEC)”:
 - i. “Energy charge rate (ECR) in Rupees per kWh on ex-power plant basis is determined to three decimal places for each ISGS stations”. Correspondingly, the heading as well as the column headers have also been modified.
 - ii. A new table, which provides the details of scheduling below 55% of Effective Capacity”. Under it three parts are included:
 - a. Details of ISGS Schedules when the Generating Station operates and scheduled below 55% of Effective Capacity for the month.
 - b. Ratio of Schedules of Beneficiary, SCED and SCUC from ISGS when the Generating Station operates and scheduled below 55% of Effective Capacity for the month.
- 4.2. Accordingly, this agenda item was discussed in the Commercial Sub-Group meeting of NPC held on 27.10.2025 (record notes is attached at **Annexure-V**) and following were agreed in the meeting:
 - i. Computation of 55%- Secondary Fuel Consumption Compensation should be on cumulative basis and referred to the upcoming NPC Meeting (17th NPC) for further deliberations and approval.
 - ii. Format for 55% SFC Computation shall be included in the REA Statement in the Unified Account Software, after discussing same in the implementation committee of UAS.

Members may deliberate.

5. Revised Procedure for Compensation due to Part Load Operation (Agenda from SRPC):

- 5.1. CERC, vide Order dated 14.07.2025 (attached at **Annexure -VI**), issued the "Procedure for mechanism of compensation for degradation of Station Heat Rate, Auxiliary Energy Consumption and Secondary fuel oil consumption due to part-load operation and multiple

start/stop of the units" under Regulation 70(G)(10) of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 as amended time to time.

In the Procedure, the following has been stipulated as below:

5. Issuance of compensation statement

- i. *The RPC secretariat/ SLDC, as the case may be, will issue the compensation statement by 20th of month for the preceding month. Revisions, if any, shall be issued by the RPC/SLDC along with the final Regional Energy Account (REA)/ State Energy Account (SEA) for the month, as the case may be.*
- ii. *In case any anomaly or discrepancy is noticed, the same may be brought to the notice of Member Secretary of the concerned RPC/ SLDC within 15 days of issuance of the statement of Compensation under this procedure.*
- iii. *In the event of delay in issuance of statement of compensation by RPCs/SLDC beyond 20th of month for the preceding month, the Designated generating stations shall be entitled to recover the part load compensation charges from the beneficiaries or pool, as the case may be, along with the carrying cost at the bank rate specified in the Tariff Regulations 2024. The concerned RPC shall record the reason for delay in the statement of compensation issued under this procedure.*

5.2. It is noted that the draft NLDC procedure did not mention the following clauses under Item No.5 of the approved procedure:

5. Issuance of compensation statement

- i. *The RPC secretariat/ SLDC, as the case may be, will issue the compensation statement by 20th of month for the preceding month. Revisions, if any, shall be issued by the RPC/SLDC along with the final Regional Energy Account (REA)/ State Energy Account (SEA) for the month, as the case may be*
- ii. *In case any anomaly or discrepancy is noticed by any utility, the same may be brought to the notice of Member Secretary of the concerned RPC within 15 days of issuance of Compensation statement.*

5.3. The matter was deliberated in 64th Meeting of Commercial Sub-Committee held on 26.09.2025, wherein it was highlighted that RPCs should have been consulted by NLDC before including the clause mandating the issuance of statements of compensation by RPCs/SLDCs before the 20th of each month for the preceding month and reason for the delay in the statement shall be recorded.

5.4. SRPC noted that it had not been consulted by NLDC on this matter and highlighted that the issuance of accounts before the 20th depends on the timely receipt of data from SRLDC as well as Generating Stations, ECR and Outage parameters. NLDC stated that based on internal discussion, the clause was added. However, NLDC requested the stakeholders to furnish views on the issue and the matter would be considered. The matter needs to be discussed and revise the statement accordingly.

Members may deliberate.

6. Contract Rate for QCA (Agenda from SRPC):

6.1. As per DSM Regulation, the following has been stipulates contract rate of Qualified Coordinating Agency (QCA) as below:

Note: In case of aggregation of WS sellers at a pooling station through QCA, (a) the contract rate for the purpose of deviation shall be equal to the weighted average of the contract rates of all individual WS seller(s) opting for aggregation at the pooling station;

Accordingly, the contract rate for QCA shall be the weighted average of the contract rates of all individual WS sellers. It does not take the schedule into consideration. However, it has been informed by M/s Manikaran (QCA) that NRPC does the Wt Avg PPA calculation based on schedules where one of the generators is selling in Exchange market segments.

- 6.2. Accordingly, this agenda item was discussed in the Commercial Sub-Group meeting of NPC held on 27.10.2025 (record notes is attached at **Annexure-V**) and it was agreed in the meeting that NLDC/RLDC to explore data collection mechanisms to facilitate the contract rate calculation of QCA based on the schedule and also decided that matter may be referred to upcoming NPC Meeting (17th NPC) for further deliberation.

Members may deliberate.

7. Inclusion of RE Generation in the Islanding schemes (Agenda from SRPC):

- 7.1. As per the Standard Operating Procedure (SOP) for Islanding Schemes, due to the variable nature of Renewable Energy (RE) generation, RE sources were not considered in the Southern Region Islanding Schemes. Only conventional generation was taken into account while designing the Islanding Schemes.
- 7.2. However, during the monthly review of Islanding Schemes in SR-PCSC and SR-Communication meetings mismatches observed in generation-load balances within the Islands, vis-à-vis, the designed LGB. This is primarily due to the back down of thermal and hydro generators during periods of high RE generation, in various control areas.
- 7.3. In view of this, there is a need to ensure either:
- i. Continuous availability of conventional generators in the Island, which is not feasible in the current scenario.

Or

- ii. Inclusion of commensurate RE generation in the Islanding Schemes to ensure real-time Island sustainability. RE with adequate energy storage facility may be preferred.

It is, therefore, the feasibility of inclusion of RE generation in Islanding Schemes may be referred to a committee with stakeholders as members.

- 7.4. Further, it was decided in the review meeting of RPCs held under the Chairpersonship of the Chairperson, CEA on 02.02.2026 that a Dynamic Islanding Scheme may be designed wherever there is inclusion of RE generators in the scheme by RPCs. It was also decided that this agenda item shall be placed before the forthcoming NPC meeting (17th NPC) for further deliberation.

Members may deliberate.

8. Regional Cyber Security Coordination Forums (Agenda from SRPC):

- 8.1. The Government of India, through Information Technology Act-2000 laid the foundation of CERT-In, an organization dedicated to the cause of Cyber Security Standards,

Compliances, Incident Response and Guidance. The GoI, Ministry of Power, CEA and Central Electricity Regulatory Commission brought in multi-layered approach to coordinate cyber defence, considering the intensity and complexity of the cyber threat perceptions in Indian Power Sector.

8.2. Brief of the relevant Regulations with respect to regional-sub-sectoral coordination forums are given under:

- i. Clause 53(1) & (2) of IEGC 2023 stipulate as below:
 - a) *The sectoral CERT (Computer Emergency Response Team) for wings of power sector, as notified by Government of India, from time to time, shall form a Cyber Security Coordination Forum with members from all concerned utilities and other statutory agencies to coordinate and deliberate on the cyber security challenges and gaps at appropriate level. A sub-committee of the same shall be formed at the regional level.*
 - b) *The sectoral CERT shall lay down rules of procedure for carrying out their activities.*
- ii. The draft Central Electricity Authority (Cyber Security in Power Sector) Regulations, 2025 proposes the following (at Clause 5):

The Authority through separate order may also designate sub sectoral CERTS in Power Sector for Generation, Transmission, Distribution, Grid Operation and any other sub-sector, along with their roles and responsibilities, to assist CSIRT-Power

8.3. The Government of India after reviewing the needs of Cyber Security in Critical Infrastructure Sector, created dedicated Sectoral CERTs. Following the directives of GOI/ CERT-In, MOP created six sectoral CERTs and designated nodal organisations, as listed below:

S.No.	Sectoral CERT	Nodal Organization
1	CERT – Thermal	NTPC
2	CERT – Hydro	NHPC
3	CERT – Transmission	POWERGRID
4	CERT – Distribution	DP&T Division, CEA
5	CERT – Grid Operation	NLDC
6	CERT – Renewable Energy	MNRE/SECI

8.4. The status of Regional Cyber security Coordination Forum in SR is as follows.

S. No.	Sectoral CERT	Nodal Organization	Latest Status

1	CERT – Thermal	NTPC	NTPC informed that the Cyber Security Coordination Forum for all-India thermal utilities is functional, and meetings are held on the first Friday of every month with the participation of Southern Region entities. NTPC also informed that quarterly cyber-security coordination meetings covering all Southern Region thermal generating stations (State GENCOs, Central generating stations, and IPPs) would be initiated from December 2025 . In the 56 th SRPC meeting, the forum requested NTPC to furnish details regarding the constitution of the Cyber Security Regional Coordination Forum for thermal utilities in the Southern Region, including the list of nominated station-level representatives, to the SRPC Secretariat. The details are awaited.
2	CERT – Hydro	NHPC	The SRPC Secretariat, vide letter dated 14.05.2025, took up the matter with NHPC regarding CERT–Hydro and formation of a Regional-level Cyber Security Coordination Sub-Committee. Response from NHPC is awaited.
3	CERT – Transmission	PGCIL	PGCIL has constituted a Regional Cyber Security Coordination Forum (CERT–TRANS). It was noted that half-yearly cyber-security coordination meetings for Southern Region transmission utilities are being conducted. However, the nominations were largely limited to headquarters-level officials. The need for participation of field/substation personnel (220 kV level and above) for effective implementation was highlighted by SR constituents. PGCIL was advised to seek nominations of field-level personnel of all regional transmission licensees and ensure their participation.
4	CERT – Distribution	DP&T Division, CEA	Yet to be formed in the Southern Region.
5	CERT – Grid Operation	NLDC	Regional level Cyber security Coordination Forums has been constituted by CERT – Grid Operation. Eight meetings of the Southern Regional Cyber Security Coordination Forum Sub-Committee (GO–SR–CSCF) have been held.

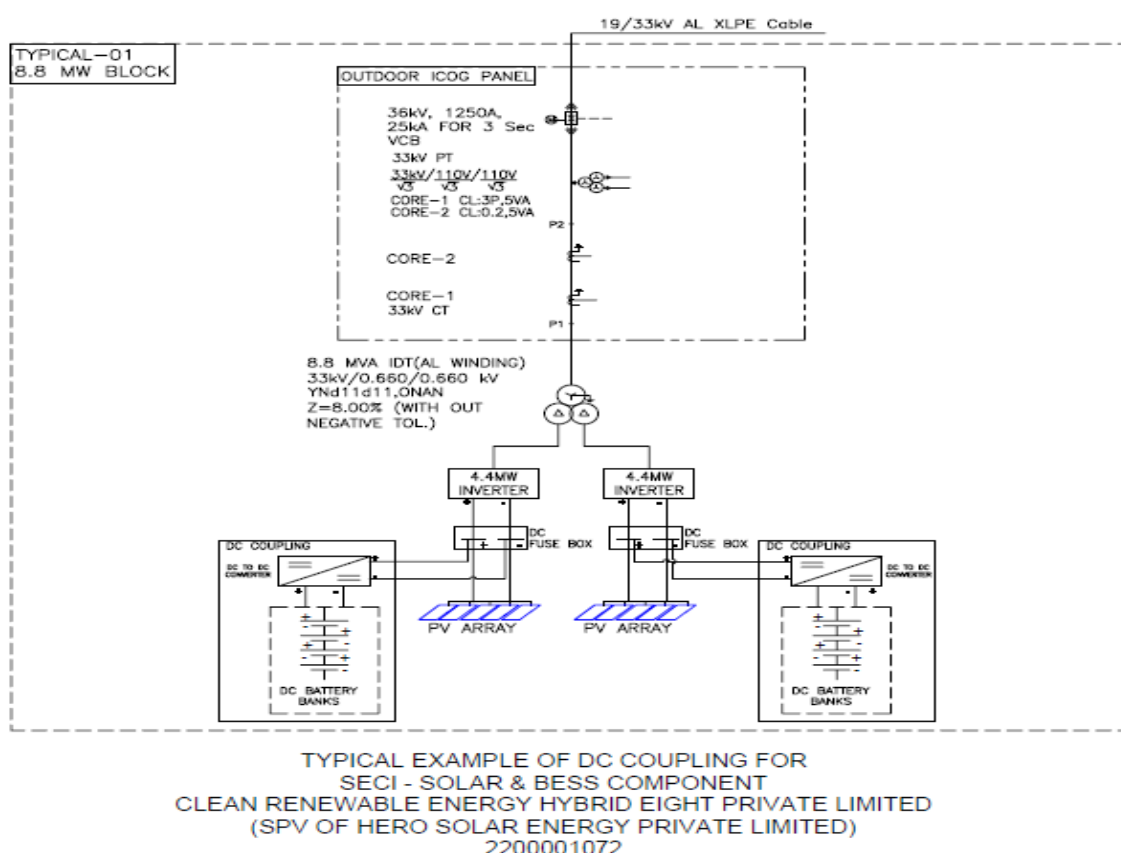
6	CERT – Renewable Energy	MNRE / SECI	The status of Regional Cyber Security Coordination Forum by MNRE / SECI is yet to be communicated.
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Members may deliberate.

9. Storage before Inverters in Solar PV project with Energy Storage System(Agenda from SRPC):

- 9.1. It is observed that BESS and RE generations connections are being established by some developers, where the battery gets connected directly from the solar panels, i.e., before inverters. Some RE developers are requesting for metering before meters and for that DC meters may be required to account the energy transactions between RE and BESS as per DSM Regulations. However, the extant Metering Regulations do not contain provision in this respect.

Sample SLD illustrating such connectivity is attached for reference:



- 9.2. In the review meeting of RPCs held under the Chairpersonship of the Chairperson, CEA on 02.02.2026, Chairperson, CEA directed SRPC to submit the complete proposal regarding installation and operation of DC meters to DPT Division, CEA for examination and necessary action. It was also decided that this agenda may be placed in the upcoming NPC Meeting for further deliberation.

Members may deliberate.

10. Implementation of Travelling Wave Fault Locator (TWFL) on critical transmission lines in the Northern Region (Agenda from NRPC):

- 10.1. In the 80th NRPC meeting held on 18.07.2025, a proposal received from POWERGRID for Implementation of Travelling Wave Fault Locator (TWFL) in hilly terrains, Critical Renewable, & NCR transmission lines in Northern Region was discussed. After detail deliberation, NRPC forum decided to formulate a sub-group, comprising members from CEA, CTU, NRPC, NRLDC, PowerGrid, Indigrid, ATIL, Sterlite, Sekura, RVPNL, PTCUL, HPPTCL and JKPCTL with the following Terms of Reference (ToR):
- a. Formulate criteria to identify critical transmission lines that warrant the installation of TWFL, based on operational importance and reliability considerations.
 - b. Evaluate the restoration benefits of TWFL specifically in terms of fault location and faster restoration by comparing scenarios with and without TWFL, using data provided by POWERGRID for lines where TWFL is already implemented.
- 10.2. Accordingly, based on nominations received from concerned utilities, Sub-group was formed under Chairmanship of SE (O&P), NRPC. Sub-group held two meetings on 28.08.2025 and 17.10.2025 respectively (MoM of the meetings are attached at **Annexure-VII**). Further, a physical visit at POWERGRID Meerut S/s was conducted by a team comprising of members from CEA, NRLDC, CTU and NRPC Secretariat on 19.09.2025 to understand the functioning of the TWFL system and to evaluate the benefits of its installation on transmission lines.
- 10.3. After deliberation in the meetings, sub-group members agreed that:
- a. Travelling Wave-Based Fault Locator (TWFL) has emerged as a highly advanced and precise fault location technology. This is useful for quickly identifying the fault location with accuracy (± 500 m error), which directly contributes to reduced outage durations, improved system availability, and enhanced reliability of the transmission network.
 - b. TWFL implementation may be taken up in a phased manner. Following criteria may be used to identify critical transmission lines for installation of TWFL in the first phase:
 - i. 220kV, 400kV and 765 kV lines having length more than 200 Km.
 - ii. 220kV, 400kV and 765 kV lines used for evacuating nuclear and RE Power having length more than 150 Km.
 - iii. 220kV and above lines in hilly terrain.
 - iv. Inter-regional 220kV and above lines having length more than 150 Km.
 - c. A policy may be formulated by CTU for implementation of TWFL in intra-state lines.
- 10.4. In 81st NRPC meeting held on 31.10.2025, CTU opined that policy for Implementation of Travelling Wave Fault Locator (TWFL) for ISTS and intra state lines may be formulated by CEA in consultation with CTU, Grid-India and all other NR stakeholders.
- 10.5. NRPC Forum was of view that sub-group's recommendations may be discussed at the NPC level for uniform policy decisions at the pan-India level.

Members may deliberate.

11. Providing remote console of ERLDC SCADA System at RTAMCs and UNMS(Agenda from ERPC):

- 11.1. As informed by ERPC Secretariat vide letter dated 19.01.2026 (attached at **Annexure-VIII**), the agenda for the "Provision of remote console of ERLDC SCADA System at

RTAMCs and UNMS” was deliberated in the 18th TeST Meeting dated 09.01.2026 and informed that in view of visibility, smooth monitoring and easy troubleshooting, POWERGRID ER-II proposed to provide remote console of ERLDC SCADA System at RTAMCs located at **Kolkata, Patna and Bhubaneswar**. Further, for getting day to-day data reporting status, testing and troubleshooting purpose, it was proposed to provide another remote console at UNMS-Kolkata. It was requested to include provisioning of 04 nos. remote consoles in the ongoing contract under execution by M/s GE.

- 11.2. The matter was discussed in detail in the 18th TeST Meeting held on 09.01.2026 and the following deliberations were taken place:
- a. PowerGrid informed that visibility of SCADA data is very much essential for day-to-day operation and troubleshooting activities.
 - b. ERLDC mentioned that external organization may not be given visibility of such console due to compliance requirements of cyber security guidelines.
 - c. Information was sought from PowerGrid regarding any such practices prevailing in other regions. The pros and cons of such practices may be shared to the forum.
 - d. It was highlighted that this matter is not under the jurisdiction of ERPC, and advisory may be sought from higher authorities.
- 11.3. After detailed deliberations, it was decided in the 18th TeST meeting held on 09.01.2026 that, since this issue pertains to other regions as well, the matter may be referred to NPC.

Members may deliberate.

12. Ramping impact on states due to bulk collective purchase by industries (Agenda from ERPC):

- 12.1. As informed by ERPC Secretariat , vide email dated 20.01.2026 (attached at **Annexure-IX**), that this issue was put up by Odisha SLDC in 55th TCC meeting of ERPC dated 16.12.2025 where it was informed that Odisha has a substantial captive generation capacity of approximately 12,300 MW. The State’s own generation capacity is around 3,000 MW, and consequently, the State is largely dependent on Inter-State Generating Stations (ISGS). In comparison, the State’s own electricity demand is in the range of approximately 6,000 to 7,000 MW and raised an issue that sudden reduction in State demand due to large collective market purchases, coupled with generator ramping constraints, results in actual drawal falling below the scheduled drawal, leading to under-drawal and associated financial impact on the State.
- 12.2. The SLDC need to take corrective action on injection schedule of State / ISGS to manage the sizeable Collective purchase by industries under RTM / DAM. As the purchase transaction has no offset of ramping and sudden change of more than 300-400 MW Collective purchase are common with respect to previous block. To maintain the drawl parameter SLDC need to implement downward revision on the injection schedule of Generators. It is important to note here that this downward revision cannot be implemented at a stroke but with ramping, which results under drawl / loss of revenue /penalty by the state for which it is not responsible and therefore it need to be compensated by the buying entity from power of exchange.
- 12.3. This issue was discussed in the 55th TCC meeting of ERPC dated 16.12.2025, wherein TCC observed that regulatory intervention is required to address the concerns raised by SLDC Odisha. On the request of SLDC Odisha, TCC advised the ERPC Secretariat to place this agenda before the NPC meeting for guidance.

ERPC may explain and Members may deliberate.

13. Conducting the Examination for Protection Auditor Certification (Agenda from NRPC):

- 13.1. In the 16th NPC meeting held on 04.07.2025, it was decided that Protection Auditor Certification may be issued by CPRI, NPTI or competent State Training Institutes. RPCs may coordinate with the State Training Institutes. The process of certification may be deliberated and finalized in Protection Subgroup of NPC.
- 13.2. NPC Secretariat, CEA vide email dated 14.10.2025 and subsequent reminders dated 04.11.2025 and 28.11.2025, requested NPTI and CPRI to furnish their inputs/comments/suggestions regarding the development of Protection Auditor Certification in order to ensure uniformity across the country. They were also requested to indicate whether such courses or related facilities are presently available at their respective training institutes.
- 13.3. In this regard, no input has been received from NPTI. However, CPRI vide email dated 22.12.2025 informed that MoP guidelines issued during 2023 mandates that NPTI only need to conduct training programmes/ courses for the power sector. CPRI has since then ceased to conduct general training/certification programmes for the utilities, which were being done earlier.
- 13.4. NRPC vide email dated 19.01.2026 informed that examination for Protection Auditor certification was discussed in 64th Protection Sub-Committee Meeting (held on 21.11.2025). In this meeting, members expressed that NPTI is suitable for conducting examination as NPTI has institute locations across India. Further, NPTI can maintain uniformity and quality of examination also. Leaving this to states, may create non-uniformity in the examination pattern.

Members may deliberate.

14. Unified Accounting Software (UAS) for RPCs and NPC (Agenda from NRPC):

- 14.1. In the 16th NPC meeting held on 04.07.2025, it was decided that the existing Committee (Bid Evaluation Committee) may be extended with additional representatives from NTPC, POWERGRID, GRID India, and IT Division of CEA for the purpose of Bid Evaluation for Unified Accounting Software. The extended Committee will also monitor the implementation of the Unified Accounting Software. No consultancy charges will be admissible to NTPC, POWERGRID and GRID India.
- 14.2. In this regard, Constitution of existing committee headed by Member Secretary, NRPC was extended with representatives from NTPC, POWERGRID, Grid-India, and IT Division, CEA to form the Bid Evaluation Committee for procurement of Unified Accounting Software vide NPC Division, CEA letter dated 09.10.2025.
- 14.3. It was also decided in the 16th NPC meeting held on 04.07.2025 that modification for periodical regulatory changes will be within the scope of vendor. Deployment of vendor personnel at main site (NRPC) has to be mandated for 24x7 technical support. Hardware and software support to be rendered by the vendor for at least 7 years extendable upto 10 years.
- 14.4. Regarding this, NRPC informed that PSDF grant sanction for ₹31.298 crores was conveyed vide Ministry of Power letter dated 03.07.2025. Notice for Inviting Tender (NIT) for development of Unified Accounting Software at an estimated cost of ₹35.966 crores was issued on GeM portal on 08.01.2026 subsequent to approval of NIT documents by the committee in its 9th meeting held on 16.12.2025. Further, it was also decided in the 81st NRPC meeting held on 31.10.2025 that NRPC Secretariat may approach the PSDF Secretariat to increase the sanction grant to include additional items as per revised BoQ and revised cost estimates as the project is of interest to larger number of utilities.
- 14.5. **NRPC also proposed Phase-II of Unified Accounting Software for RPCs:**
 - a. Following applications may be taken up as phase-II of Unified Accounting Software subsequent to Go-Live of the main accounting modules:

- i. LGBR
 - ii. Power Supply Position
 - iii. Transmission and Generator outage planning
 - iv. Protection Audit (Collecting data from the auditee and verification by committee members, etc.)
 - v. Communication Audit (Collecting data from the auditee and verification by committee members, etc.)
 - vi. Protection setting approval and other protection data collection
- b. Currently, data collection for these activities from SLDCs, STUs, TSPs, and generating entities is performed manually by RPCs, mainly through emails and various spreadsheet formats. This approach may result in higher chances of errors, prolonged validation processes, and considerable manual effort in data compilation, along with limited analytical capabilities, challenges in scaling with increasing data volumes, and difficulties in managing version control and data integrity. Additionally, generating reports or performing analyses on this scattered data is cumbersome and inefficient. These challenges underscore the need for a more streamlined, accurate, and scalable system.
- c. In the review meeting of RPCs held under the Chairpersonship of the Chairperson, CEA on 02.02.2026, it was decided that this agenda may be placed in the upcoming NPC Meeting for further deliberation.

NRPC may explain.

Members may deliberate.

15. Five (5) minute Interface Energy Meters along with AMR system for PAN India (for all Five regions) (Agenda from CTU):

- 15.1. In the 15th NPC meeting held on 14.11.2024 , it was decided that Five (5)-minute Interface Energy Meters, along with the AMR system, MDP, and associated software and hardware, are to be implemented on a pan-India basis across all five regions by 31 December 2027. All preparatory actions and regulatory alignments, including compliance with CERC Regulations, shall be ensured within this timeline. CTU shall review and identify the associated regulatory aspects in consultation with Grid-India and with participation from CERC. Further, CTU shall prepare and submit a revised roadmap for transition from the 15-minute to the 5-minute regime by January 2025, incorporating inputs from Grid-India, RPCs, and NPC. The roadmap and DPR may include provisions for 1-minute instantaneous SEM data availability at the SLDC for improved monitoring and operational efficiency, subject to assessment of state-specific requirements.
- 15.2. In the 16th NPC meeting held on 04.07.2025, it was decided that CTU shall place an agenda in the upcoming NCT meeting for approval of AMR on a pan-India basis under RTM, and Grid India shall place orders for MDP in a matching timeframe aligned with the implementation of AMR by CTU/PGCIL and it was also decided that the implementation of 5-minute IEM along with AMR and MDP on a pan-India basis shall be completed within 24 months from NCT approval, with integrated testing of IEM-AMR-MDP systems to be conducted prior to the go-live of 5-minute Interface Energy Meters in all regions, such integrated testing being within the scope of the vendor, and that instant payment for installation of new meters or replacement of existing meters may be linked to the submission of meter requirements on the Urja Meter Port.

- 15.3. SRPC vide email dated 24.11.2025 informed that in the 64th Commercial Sub-Committee meeting held on 26.09.2025, the matter was discussed, and Grid-India expressed concerns about deploying third-party equipment within RLDC premises due to cyber security issues. SRPC secretariat observed that the data obtained is similar to SCADA data and raised a query on the necessity of distinguishing AMR data, given that both share the same communication infrastructure and source. Further, SRPC secretariat provided the following inputs:
- AMR data primary user is Grid India and all other entities are provided processed data.
 - CEA Metering regulations have been amended to incorporate AMR features.
 - In 15th NPC it was decided that Five (5) minute Interface Energy Meters along with AMR system, MDP and related software/hardware for PAN India (for all five regions) shall be implemented by 31.12.2027. All necessary preparations and alignment including the Regulations of CERC are to be ensured for this timeline. NPC Secretariat will intimate this date to all stakeholders and concerned agencies for preparedness.
 - AMR server has been deliberated in the TS finalization meetings. AMR server may be placed at RLDCs after addressing the Cyber Security issues. Main issue raised by Grid-India was on transferring 1 minute real time data to SLDCs. **The issue needs to be resolved and AMR/MDP needs to move forward.**
- 15.4. CTU vide email dated 29.12.2025, informed that pursuant to the decisions of the 15th and 16th NPC meetings, the project proposal agenda was placed in the 31st NCT meeting held on 15.07.2025 by CTUIL, and that DPR was prepared by POWERGRID in consultation with CTUIL, RPCs, and Grid India. Further, as discussed in the said NCT meeting and recorded in the minutes, CTUIL and Grid India subsequently deliberated on the hosting of the AMR system, wherein CTUIL stated that, as per the “JC TS of Meter & AMR”, the AMR system is to be hosted at the RLDC level, while NLDC proposed alternative location(s). Accordingly, CTUIL requested Grid India/NLDC to take up the matter with NPC, after which CTUIL would proceed as per NPC directions (MoM at Annexure-X). CTU also informed that SOP for installation of new IEMs and replacement of existing IEMs for ISTS has been published (SOP at Annexure-XI)
- 15.5. POWERGRID vide email dated 12.12.2025 informed that the DPR BOQ for Meter Qty and AMR systems has been submitted to CTUIL on 21.06.2025.
- 15.6. Grid-India vide email dated 02.02.2026 informed that as per the minutes of the 15th NPC meeting held on 14.11.2024, AMR system for PAN India (across all five regions) is targeted for completion by 31st December 2027. Grid-India is in the process of finalizing technical specifications and other requisite details for development of the Meter Data Processing (MDP) software. The commissioning of MDP software is planned to be completed within the same target timeline as AMR system. In line with the deliberations of the 31st NCT meeting, it was directed that CTUIL, Grid-India, and Cyber Security Division (CEA) shall carry out detailed deliberations on the issues and bring a comprehensive agenda before the NCT. Accordingly, a meeting was convened by CTUIL on 20.08.2025 to discuss the implementation aspects of AMR. For comprehensive discussion, a meeting with CEA Cyber Security Division may be convened.

CTUIL and POWERGRID may update and Members may deliberate.

16. Uniform Anti-islanding Protection Philosophy of the connected RE plants (Agenda from SRPC)

- 16.1. In the 16th NPC meeting held on 04.07.2025, it was decided that a Committee may be constituted under SE (Protection), WRPC with representatives from WRPC, SRPC, GRID-India, experts from IITs, OEMs, POWERGRID, major renewable energy (RE)

- developer and NPC. Committee may submit report within 6 months. Impact of RE on earth fault protection and other critical protection may also be examined by this Committee.
- 16.2. NPC Secretariat vide letter dated 24.10.2025 circulated the letter of the committee constituted for the preparation of the Uniform Anti Islanding Protection philosophy of the connected RE plants for further action by WRPC.
- 16.3. WRPC vide email dated 05.02.2026 informed that 1st meeting was held in November 2025 and the areas to address were identified. Preparation of a draft report has been undertaken and 2nd meeting has been planned in 2nd week of Feb 2026.

WRPC may update and members may deliberate.

17. Unified Real Time Dynamic State Measurement (URTDSM) project phase-II (Agenda from PowerGrid):

- 17.1. In the 16th NPC meeting held on 04.07.2025, it was decided that the URTDSM project Phase-II proposal and its mode of implementation may be put up in the NCT meeting after deliberations in RPCs. In this regard, POWERGRID vide email dated 12.12.2025 informed that URTDSM project Phase-II proposal has been approved in 4 RPCs (NRPC, SRPC, WRPC & NERPC) and is being taken up in ERPC. DPR shall be finalised and initiated after the approval.
- 17.2. It was also decided in the 16th NPC meeting held on 04.07.2025 that the three (3) points submitted by CTUIL for clarification on CEA Guidelines, may be deliberated with PSE&T Division of CEA for required clarity. In this regard, CTU, vide email dated 29.12.2025, informed that, as per the minutes of the 16th NPC meeting, CTU had communicated with PSE&T Division, CEA, vide email dated 28.10.2025, seeking clarification on CEA Guidelines on PMU placement. The three (3) points submitted by CTUIL and the response of PSE&T Division, CEA, are reproduced below: (details attached at **Annexure-XII**)
- a. **Clarification regarding placement of PMU at one end:**
Points submitted by CTUIL in 16th NPC meeting: As per the CEA Guidelines, PMU shall be provided at one end of all Transmission Line Bays of 220 kV and above. In this regard the location of PMU at one end of the line is to be indicated by RLDC for schemes discussed as NCT agenda item before notification of NCT minutes/RfP.

Response of PSE&T Division, CEA vide letter dated 06.11.2025 on point a submitted by CTUIL: As per the CEA's "Guidelines on Unified Philosophy for Placement of Phasor Measurement Unit (PMUs) (attached at **Annexure-XIIA**) in Indian Grid", in case of (a) 220 kV and above voltage level RE Pooling Station connecting 50 MW and more, and (b) Substation of RE Generating Station with renewable/ Hybrid plants of 50 MW and more, PMU shall be provided at all transmission line bays of 220 kV and above. Further, as per the said guidelines, for all Substations of 400 kV and above Voltage Level, PMUs shall be provided at one end of all Transmission Line Bays of 400 kV and above by ensuring that of the two ends of the line, PMU needs to be provided at only ONE end. Therefore for Substations of 400 kV and above Voltage level that are neither Substation of RE Generating Substation nor RE Pooling Substations, PMU shall be provided at any one end of all transmission line bays of 400 kV and above. In these cases, CTUIL may identify the location of PMU on the transmission lines on their own or in consultation with RLDC at the planning stage itself, prior to the submission of transmission scheme to the NCT, and accordingly may specify the requirements of PMUs in RfP for TBCB based Transmission Scheme or may specify in the scope of Scheme in case of RTM based Transmission Scheme.

- b. **Clarification regarding applicable time line of "Guidelines on Unified Philosophy for Placement of Phasor Measurement Unit (PMU) in Indian Grid" for the generators/ RE Gencos /IPPs/ bulk consumers etc:**

Points submitted by CTUIL in 16th NPC meeting: Generators/ RE Gencos /IPPs/ bulk consumers whose date of connectivity is less than 6 months from the date of issue of the CEA Guideline may be allowed to install the additional PMU as per new guidelines up to November, 2025.

Response of PSE&T Division, CEA vide letter dated 06.11.2025 on point a submitted by CTUIL: It is clarified that CEA's "Guidelines on Unified Philosophy for Placement of Phasor Measurement Units (PMUs) in the Indian Grid" shall be applicable for all Generators/ RE Gencos / IPPs/ Bulk Consumers w.e.f. their date of issue, viz., 19.03.2025. It may be noted that the requirement of provision of PMU's by all above players has already been in place/ mandated by the Guidelines on Interface Requirements issued vide CERC letter dated 19.01.2024. And PMU guidelines issued vide CEA letter dated 19.03.2025 basically optimize the locations and signals of PMUs.

c. **Clarification regarding PMU installation for transmission schemes for which bidding was submitted before 27.12.2022 (the date of notification of CEA Construction Standards, 2022):**

Points submitted by CTUIL in 16th NPC meeting: As per PMU placement guidelines, provision has been made for the transmission schemes for which bidding was submitted on or after 27.12.2022. However, for such transmission schemes for which bidding was submitted before 27.12.2022, policy of PMU installation is not clear. It is suggested that for such schemes the PMU installation may be done as per RfP.

Response of PSE&T Division, CEA vide letter dated 06.11.2025 on point a submitted by CTUIL: It is clarified that PMU Guidelines issued vide CEA letter dated 19.03.2025 are applicable to URTDSM (Phase-II) Project. For the existing transmission schemes prior to 27.12.2022 or for the transmission schemes for which the bidding was submitted before 27.12.2022, **the issue applicability of above Guidelines may be decided appropriately in NPC.**

- 17.3. SRPC vide email dated 24.11.2025 informed that SRPC had recommended the ISTS URTDSM Phase II with estimated expenditure of Rs 1122 Cr in 55th SRPC meeting held on 26.07.2025 and communicated the views of SRPC to PGCIL on 11.08.2025.

Members may deliberate.

18. Membership of RE Generators in Southern Region (Agenda from SRPC) :

- 18.1. In the 16th NPC meeting held on 04.07.2025, it was decided that the issue regarding membership of RE Generators in RPC forum may be taken up by SRPC with Member (GO&D) and concerned RE developers through a formal communication.
- 18.2. SRPC vide email dated 24.11.2025 informed that Chairperson, SRPC, vide letter dated 18.09.2025, taken up the matter with Member (GO&D), CEA requesting guidance and facilitation in reaching out to the eligible RE Developers, as per MoP resolution and facilitate their membership to SRPC and participation in the subcommittee meetings. SRPC secretariat has taken up with RE generators of 1000MW & more installed capacity and both M/s Greenko & M/s Renew have shown interest in joining the RPC forum.

Members may deliberate.

19. Old cases of Certification of Transmission system availability of deemed ISTS/natural ISTS lines of States

19.1. NRPC Secretariat has received request from RVPN, and PTCUL for transmission system availability certificate for years since 2014 and 2016.

19.2. PTCUL has requested certification from NRPC for below mentioned elements:

S. No.	Name of Transmission Asset	Transmission Elements	Approved CoD
1	400 kV S/s Srinagar (Khandukhal)	ICT-1 315 MVA ICT-2 315 MVA ICT-3 160 MVA ICT-4 160 MVA	31.07.2016
		Bus Reactor - 80 MVar	20.10.2018
2	400 kV D/C Srinagar (Khandukhal) - Srinagar (PH) line	Circuit-1 and Circuit-2	31.07.2016
3	220 kV D/C Baramwari (Rudrapur) - Srinagar transmission line (Interconnection point of Singoli Bhatwari HEP to 400/220 kV Srinagar (Khandukhal) Sub-station)	Circuit-1 and Circuit-2	13.11.2020

19.3. PTCUL has further informed that for Element mention at S.N. 1 & 2 in above Table, PTCUL has filed Tariff Petition for approval of DOCO and determination of Tariff before the Hon'ble CERC in 2016 (Petition No. 80/TT/2016 and 81/TT/2016 respectively). Hon'ble CERC vide its order dated 09.11.2021 and 13.06.2021 (copy enclosed as **Annexure-XIII**) approved the CoD and determined the Tariff for FY 2016-17 to FY 2018-19 (Under Tariff Block 2014-19).

19.4. For Tariff block 2019-24, petition has been filed before the Hon'ble CERC for determination of Tariff of element mentioned at S.N. 1, 2 and 3.

19.5. RVPN has requested certificate for the below mentioned lines-

S. No.	Name of Transmission Lines	Availability certificate required for the period
1	220 kV S/C Chirawa-Hissar line (Raj-Har)	Apr 2014 to Mar 2024
2	132 kV S/C Sadulpur (Rajgarh)-Hissar line (Raj-Har)	Apr 2014 to Mar 2024
3	132 kV S/C Amrapura - Sirsa line (Raj-Har)	Apr 2014 to Mar 2024
4	132 kV S/C Khandar- Sheopur line	Apr 2014 to Mar 2024
5	220 KV S/C Anta-Kota Line	Apr 2014 to Mar 2024
6	220 KV SC RAPP (B)-Kota Line	Apr 2014 to Mar 2024
7	220 KV S/C RAPP (B)-RAPP (A) Line	Apr 2014 to Mar 2024
8	220kV S/C MIA (Alwar)-Badarpur Line	Apr 2014 to Mar 2024
9	220kV S/C Agra-Bharatpur Line (Raj-UP)	Apr 2014 to Mar 2024
10	220kV S/C Kota (Sakatpura)-Badod (RajMP)	Apr 2014 to Mar 2024

S. No.	Name of Transmission Lines	Availability certificate required for the period
11	220kV S/C Modak-Badod (Raj-MP)	Apr 2014 to Mar 2024
12	220kV S/C Khetri-Dadri Line I (Raj-Haryana)	Apr 2014 to Mar 2024
13	220kV S/C Khetri-Dadri Line II (Raj-Haryana)	Apr 2014 to Mar 2024
14	400 kV S/C Jodhpur-Merta Line-I	Apr 2016 to Mar 2019
15	400 kV S/C Jodhpur-Merta Line-II	Apr 2016 to Mar 2019
16	400 kV S/C Merta-Ratangarh Line	Apr 2016 to Mar 2019
17	400 kV S/C Merta-Heerapura Line	Apr 2016 to Mar 2019
18	220kV D/C Aau-Baithwasia Line*	Apr 2016 to Mar 2018
19	220kV D/C Baithwasia-Bhawad Line*	Apr 2016 to Mar 2018
20	220 kV D/C Badisid-Aau Line	Apr 2016 to Mar 2018
21	220kV S/C Bhadla-Bap Line	Apr 2017 to Mar 2018
22	220kV D/C Gajner-Bikaner (400 kV GSS) Line	Apr 2016 to Mar 2017
23	400 kV D/C Bhilwara-Ajmer	Apr 2018 to Mar 2020
24	400 kV D/C Chittorgarh-Bhilwara	Apr 2018 to Mar 2020

- 19.6. Agenda has been discussed in meeting on 09.10.2025 and difficulty has been faced in verification of outages.
- 19.7. In the review meeting of RPCs held under the Chairpersonship of the Chairperson, CEA on 02.02.2026, it was decided that there must be uniformity in the Certification of Transmission system availability and approach being followed by all RPCs is to be sought and it was also decided that this agenda may be placed in the upcoming NPC Meeting (17th NPC) for further deliberation.

Members may deliberate.

20. Training on Emergency Restoration System (ERS) in the Southern Region as per MoP Guidelines (Agenda from SRPC):

- 20.1. In accordance with the directions of MoP/CEA, the readiness of Emergency Restoration Systems (ERS) in the Southern Region was reviewed on 10.05.2025. States and licensees with identified shortfalls were advised to accord priority to ERS procurement or enter into mutual assistance arrangements.
- 20.2. The status of ERS availability and compliance is being periodically reviewed in OCC and SRPC meetings. During the 56th SRPC meeting, Managing Director, TANTRANSCO, informed the forum that an ERS demonstration and hands-on training session was conducted on 28th and 29th October 2025, with participation of 75 personnel, including employees and contractors. As part of the programme, one complete ERS structure was dismantled and re-erected.
- 20.3. PGCIL also organised a similar training from 15th to 17th December 2025 at Sriperumbudur in which Transmission Licensee of Southern Region had participated.
- 20.4. It is noted that Ministry of Power directed PGCIL to immediately procure twenty sets of ERS (consisting of 300 towers) under Make in India to meet potential requirement in

States. Also, PGCIL was asked to organise training programme at Meerut on 14.05.2025 on the use and deployment of ERS for the States in NR.

- 20.5. Considering the critical importance of ERS for system restoration in case of emergency and often for transmission line diversion requirement etc., availability of trained manpower is imperative. **It is proposed that NPTI may be directed to conduct regular and organized hands on training on use and deployment of ERS, at the Hot Line Training Centre, Bengaluru, for the benefit of all transmission and distribution utilities.**

Members may deliberate.

21. Status of Emergency Restoration System (ERS) (Agenda from NPC):

- 21.1. Ministry of Power vide DO letter dated 05.12.2014 (**attached at Annexure-XIV**) highlighted the necessity of deployment of adequate ERS infrastructure with the states and requested states to issue necessary directives to Transmission utilities/Transmission lines operating in states to procure appropriate number of ERS infrastructure and placed them at strategic location.
- 21.2. As per MoP Guidelines dated 05.12.2014(Annexure-III), the ERS requirement is linked to the circuit kilometer (ckm) of transmission lines operated by a licensee:
- a. <500 ckm: May enter into mutual agreement for ERS sharing.
 - b. 500–5000 ckm: Minimum 1 ERS set to be maintained.
 - c. >10,000 ckm: Minimum 3 ERS sets to be maintained and so on.
- Note: In the MoP guidelines, the minimum no. of towers (tension & Suspension) to be considered while utilities are procuring the ERS set is not mentioned.
- 21.3. As per the deliberations held on 10.05.2025 under the chairmanship of Secretary (P) on the review of disaster preparedness on grid operations and transmission system restoration, it was decided that CEA would:
- a. issue SOP for the restoration of transmission system, and
 - b. issue directions to the SERCs/SLDC/Utilities concerned to ensure that generating stations of islanding schemes are accorded most run status.
- 21.4. In response, PSE&TD Division, CEA vide letter dated 11.05.2025 (attached at **Annexure-XV**), has been issued SOP for the restoration of transmission system and NPC Division, CEA vide letter dated 11.05.2025 (attached at **Annexure-XVI**) has been issued directions to the SERCs, SLDC, RPCs and Utilities concerned to ensure that generating stations of islanding schemes are accorded most run status.
- 21.5. Further, the details regarding the status of availability of ERS entity wise were sought by NPC Division, CEA from all RPCs and POWERGRID and RPCs were also requested vide email dated 18.11.2025 to update the status of availability of the Emergency Restoration System (ERS) in their region in every OCC meeting, based on data up to the last day of the preceding month and also include the status of ERS in the Minutes of the OCC meeting.
- 21.6. Based on the inputs received from all RPCs and POWERGRID, the status of the availability of ERS is attached at **Annexure-XVII**.
- 21.7. In the review meeting of RPCs held under the Chairpersonship of the Chairperson, CEA on 02.02.2026, Chairperson, CEA directed to refer the matter to PSETD, CEA to examine and standardize the minimum number of towers required to be maintained in an ERS set considering tension and suspension tower numbers.

Members may note.

22. Frequent outages of HVDC Champa-Kurukshetra and its impact on Indian power system (Agenda from Grid India):

- 22.1. In the 16th NPC meeting held on 04.07.2025, it was decided that a Committee may be constituted under the chairmanship of Member (Power Systems), CEA comprising representatives from NRPC, WRPC, ERPC, PGCIL, NLDC, NRLDC, ERLDC, WRLDC, PSETD Division, CEA and NPC Secretariat, to study the issue of frequent outages of HVDC Champa-Kurukshetra line and recommend mitigation measures.
- 22.2. PSE&TD,CEA vide email dated 08.01.2026 informed that a committee comprising representatives from NRPC, WRPC, ERPC, PGCIL, NLDC, NRLDC, ERLDC, WRLDC, PSE&TD Division and NPC Division was constituted under Member (Power System), CEA vide CEA letter dated 22.09.2025 and **the report is still awaited.**

Members may deliberate.

23. Requirement of Voice Communication for Operational Co-ordination(Agenda from SRPC):

- 23.1. The Standard Operating Procedure (SOP) for VOIP communication was approved during the 15th National Power Committee (NPC) meeting held on 14.11.2024 from TSPs and GENCO Coordination Centers. However, Qualified Coordinating Agency (QCA) is not mentioned in the SOP. It is proposed that suitable guidelines applicable to QCA may be issued by NPC/CEA for VOIP communication.
- 23.2. In the review meeting of RPCs held under the Chairpersonship of the Chairperson, CEA on 02.02.2026, Chairperson, CEA directed NPC Secretariat to issue suitable amendment to the SOP for VOIP communication for inclusion of QCA.

Members may deliberate.

24. Installation of OPGW on the existing lines of ISTS and STU(Agenda from CTUIL):

- 24.1. In the 16th NPC meeting 04.07.2025, it was decided that the proposal for installation of OPGW on the existing lines of ISTS may be put in upcoming RPCs/NCT meeting for deliberation. STU may also put up the scheme for OPGW on existing lines in respective RPCs. In this regard, CTU vide email dated 29.12.2025 informed that as per 16th NPC minutes the agenda has been taken up by CTU to all related forums of CPM/RPC/ TeST.

Status provided by CTUIL is as below:

S. No	Region	Deliberated/Agreed in meetings	To be put up
1	NR	• In principal approval in 56th TCC/80th NRPC dtd 17.07.2025/ 18.07.2025 • Deliberated in 9th NR CPM dtd 19.08.2025	A separate Communication Planning Meeting (CPM) is planned and thereafter shall be put up in upcoming NRPC.
2	SR	• In principal approval in 52nd TCC/ 55th SRPC dtd 25.07.2025/ 26.07.2025	A separate CPM is planned and thereafter shall be put up in upcoming SRPC

		• Deliberated in 9th SR CPM dtd 22.08.2025	
3	WR	• Deliberated in 8th WR CPM dtd 04.08.2025 • 6th WRPC Working Group Meeting dtd 26.11.2025	To be put up in upcoming TeST/WRPC
4	ER	• Deliberated in 8th ER CPM dtd 03.09.2025	Agenda sent to be included in 55 th TCC/ERPC dtd 16.12.2025/17.12.2025
5	NER	• Deliberated in 8th NER CPM dtd 28.07.2025 • Discussed and approved in 30th TCC/NERPC dtd 13.11.2025 / 14.11.2025	Approved in NERPC

24.2. SRPC vide email dated 24.11.2025 informed that the installation of OPGW on the existing lines of ISTS (644 km) was deliberated in the 52nd meeting of TCC and 55th meeting of SRPC held on 25.07.2025 & 26.07.2025. SRPC approved the proposal in-principle approval and requested CTUIL to come up with the complete scheme with cost details.

CTUIL may update and Members may deliberate.

25. RE Generation Loss Events and performance of RE Plants (Agenda from Grid India):

25.1. In the 16th NPC meeting held on 04.07.2025, it was decided that a Committee may be constituted under the chairmanship of Member (Power Systems), comprising representatives from GRID India, RE-rich states (such as Gujarat and Rajasthan), NRPC, WRPC and NPC to study and submit a report on the RE Generation Loss Events and performance of RE Plants.

The report is still awaited.

Members may note.

26. Uniform criteria on Harmonics measurement in the grid (Agenda from NERPC):

26.1. In the 16th NPC meeting held on 04.07.2025, it was decided that Grid- India may prepare draft guidelines for uniform criteria on harmonic measurement and other parameters in accordance with the provisions of the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations and it was also decided that installation of harmonic measurement instruments shall be mandated for all new ISTS projects to be approved by the NCT.

26.2. Grid- India vide email dated 02.02.2026 submitted the draft guidelines (attached at **Annexure-XVIII**) for uniform criteria on harmonic measurement and other parameters in accordance with the provisions of the Central Electricity Authority.

Grid- India may update and Members may deliberate.

27. Establishment of State-of- the-Art National Unified Network Management System (N-UNMS) in main & backup configuration integrating all the regional UNMSs (Agenda from CTU):

- 27.1. In the 16th NPC meeting held on 04.07.2025, it was decided that as per the provisionally agreed format, the communication system availability module complying with CERC approved procedure will be developed in Regional UNMS. All data related to the availability of communication system elements shall be system-generated to ensure accuracy and transparency and it was also decided in the 16th NPC meeting held on 04.07.2025 that all the issues of Regional UNMS will be resolved in close coordination of Grid India, SLDCs, RPCs, PGCIL & CTU.
- 27.2. POWERGRID vide email dated 12.12.2025 informed that the Availability Formats have been finalised in meetings, however a formal approval is required so that the same can be implemented uniformly in the UNMS systems. Additionally all data except the Force majeure is automatically populated in the system. However, it needs manual supervision to avoid any discrepancy.
- 27.3. CTU, vide email dated 29.12.2025, informed that, as per the minutes of the 16th NPC meeting, POWERGRID was further communicated by CTUIL in September 2025 for the development of the workflow and the agreed Availability Format. The same is required to be expedited by POWERGRID for deployment and demonstration.

POWERGRID may update and members may deliberate.

28. Introduction of MPLS Technology in ISTS Communication system (Agenda from CTU):

- 28.1. In the 16th NPC meeting held on 04.07.2025, it was decided that the existing Joint Committee (JC) may submit the technical specifications of MPLS technology in the communication system within 4 months. Interoperability issues across technology and vendors may be resolved. An agenda for implementation of MPLS technology in ISTS system may be placed in NCT for approval within 6 months. A comprehensive implementation plan with reduced timelines for deploying MPLS technology in ISTS and intra-state (InSTS) communication systems, may be formulated. CTU will explore and assess the total number of FOTE (Fiber Optic Terminal Equipment) required for ISTS and intra-state (InSTS) communication systems in the country.
- 28.2. CTU vide email dated 29.12.2025, informed that the MPLS technical specification is under preparation through the Joint Committee (JC), with the first JC meeting held on 15.10.2025 and after finalisation of the technical specification by JC members, CTU shall place an agenda for MPLS implementation in NER before the NCT.
- 28.3. CTU also informed that during the JC meeting for MPLS, technical specification aspects were discussed and deliberations were held to reduce timelines for deploying MPLS technology in ISTS. CTU further clarified that its planning covers only ISTS systems, while STUs are responsible for identifying and implementing MPLS technology in intra-state (In-STs) communication systems, as communicated vide email dated 08.10.2025.

CTUIL may update and members may deliberate.

29. Ensuring flow of data on rooftop solar to DISCOMS in real time (Agenda from NERPC):

- 29.1. In the 16th NPC meeting held on 04.07.2025, it was decided that NPC Secretariat may coordinate with the India Smart Grid Forum (ISGF) to replicate the pilot projects conducted in two states. A Committee may be constituted under MS, NRPC, with representatives from Grid India, Kerala SLDC, Gujarat SLDC, SRLDC, SRPC, WRPC and NPC to support this initiative.

- 29.2. NPC division vide email dated 30.10.2025 requested RPM Division, CEA to furnish the chronological status note of all activities undertaken on the development of National Solar Rooftop PV (SRTPV) Registry Portal with ISGF. RPM Division, CEA vide email dated 06th November 2025 has submitted the progress of undergoing work with ISGF attached at **Annexure-XIX.**
- 29.3. The input received from RPM Division, CEA was put up for further direction of the Member (GO&D), CEA in the e-office by NPC Secretariat and he had approved that the work of the pilot projects for ensuring real-time data flow from rooftop solar to DISCOMs may be continued in the ongoing work in RPM division in association with ISGF to avoid duplication of work and NPC Division, CEA, may attend the meeting convened by RPM Division, CEA, for any coordination.
- 29.4. Accordingly, NPC secretariat intimated the suggestions of Member (GO&D), CEA to RPM Division, CEA vide email dated 03.12.2025.

Members may note.

30. Qualifying criteria for the selection of prospective bidders (Company) for conducting Third-Party Protection Audits (Agenda from ERPC):

- 30.1. In the 15th NPC meeting held on 14.11.2024, it was decided that ERPC may take the lead in developing qualifying criteria for the selection of prospective bidders for conducting Third-Party Protection Audits, with the objective of ensuring authenticity and reliability in the audit process.
- 30.2. Subsequently, ERPC vide email dated 03.04.2025 has submitted the Qualifying criteria for selection of prospective Bidders for Third Party Protection Audit and was placed in the 16th NPC meeting for the approval.
- 30.3. Further, in the 16th NPC meeting held on 04.07.2025 it was decided that the qualifying criteria for the selection of prospective bidders for conducting Third-Party Protection Audits, as prepared by ERPC, may be circulated by NPC Secretariat to all RPCs for their views/comments. The same may be deliberated and finalized by Protection Subgroup of NPC. No further approval will be required in the NPC meeting.
- 30.4. Accordingly, NPC secretariat held two meetings on 13.10.2025 and 27.11.2025 with the Protection subgroup of NPC and finalized the Qualification Requirements for the selection of prospective Bidders for the Third-Party Protection Audit which has been attached at **Annexure-XX.**
- 30.5. Qualification Requirements for the selection of prospective Bidders for the Third-Party Protection Audit prepared is reference document and shall be applicable to all Regional entities, State/Central/Private Generating Companies/ Generating Stations including REGs, RHGS, integrated RE with Pumped Storage Plant (PSP) and Transmission Licensees. The same have been communicated to All RPCs on 09.02.2026

Members may note.

31. Report of the Committee to Evolve a Mechanism for Ensuring Thermal Generation at Technical Minimum Level for Grid Stability and Renewable Energy Integration:

- 31.1. In the 16th NPC meeting held on 04.07.2025, it was decided that the Committee report will be circulated to all RPCs for deliberations in RPC Forum for their comments, if any. Based on the inputs received from RPCs, the revised Report is to be forwarded to PCE-I, CEA for implementation.
- 31.2. In this regard, **CERC vide Suo-Motu Petition No. 9/SM/2024 dated 05.10.2025** (attached at **Annexure-XXI**) has considered and accepted most of the recommendation of the Report of the Committee to Evolve a Mechanism for Ensuring Thermal Generation at Technical Minimum Level for Grid Stability and Renewable Energy Integration.

Members may note.

32. **Status Update of the following Agenda items:** Status update on the following agenda items was sought from RPCs, Grid-India, RLDCs, PowerGrid and CTU through email dated 01.12.2025. RPCs, Grid-India, RLDCs, PowerGrid and CTU may update on the following agenda items as decided in the 16th NPC Meeting held on 04.07.2025:

Agenda items	Decision/Deliberations in the 16 th NPC Meeting	Status Update
Amendment in functions of National Power Committee (NPC) and its Conduct of Business Rule (Agenda from NPC)	As per the MoP letter dated 28.04.2025, CEA may submit the revised proposal to MoP. NPC Secretariat will submit the revised proposal for amendment in functions of NPC and its CBR to MoP.	<u>Action Taken by NPC:</u> In accordance with the decisions of 16 th NPC Meeting, NPC Secretariat sent a letter dated 06.01.2026 to Ministry of Power for further action.
Agenda of operational issues of DISCOMs at RPC level	The status provided by RPCs in 16 th NPC meeting were as follows: - • SRPC: SRPC informed that in line with the decisions of 15th NPC meeting the states may bring specific agenda on operational issues of DISCOMs to OCC and subsequently at TCC/SRPC level (if required). • NERPC: NERPC held a meeting on 04.02.2025 to address operational issues of DISCOMs at the RPC level. The meeting aimed to discuss the current operational scenarios, challenges, and progress under the PM Surya Ghar Yojana (PMSGY). Key topics included reducing technical losses, improving load forecasting, enhancing real-time data monitoring, and addressing system reliability issues. DISCOMs were encouraged to actively participate in future RPC meetings for ongoing resolution of issues. Additionally, during the 27th NERPC meeting, a Sub-Committee was formed to address DISCOM operational issues quarterly. • WRPC: No agenda received from DISCOMs.	The status provided by RPCs are as follows: <u>NRPC:</u> A meeting was held for unreliable power supply on 06.08.2025 with NR states. <u>WRPC:</u> No agenda received from DISCOMs. <u>NERPC:</u> In line with the decisions taken in the 15 th NPC meeting, NERPC convened a dedicated meeting with DISCOMs on 04.02.2025 to address operational issues at the RPC level and to review progress under the PM Surya Ghar Yojana (PMSGY). The meeting focused on the prevailing operational scenario of DISCOMs, key challenges, and measures for improvement, including reduction of technical losses, enhancement of load forecasting practices, strengthening of distribution infrastructure, and improving availability of real-time operational and generation data. State-wise summary of PM Surya Ghar Yojana (PMSGY) progress

		➤ Assam: Around 18 MW installed specifically under PMSGY; total rooftop solar capacity in the state is about 59 MW. A target of 600 MW and 2.16 lakh households has been set. Issues highlighted include real-time data accessibility, voltage fluctuations affecting inverters, and logistics constraints for vendors ➤ Arunachal Pradesh: No rooftop solar installation achieved so far under PMSGY, though about 1,100 registrations have been completed. Challenges include portal complexity, low internet literacy, voltage issues, and lack of local vendors. ➤ Tripura: Progress under PMSGY is ongoing with registered vendors and release of state subsidy (₹66 lakh). Emphasis was placed on increasing public awareness, improving loan facilities, and vendor logistics to accelerate installations. ➤ Meghalaya: Implementation progress is yet to pick up, mainly due to consumer reluctance arising from partial capital cost contribution requirements. ➤ Mizoram: Rooftop solar installations are constrained by low voltage conditions, impacting inverter performance. The need for smart/hybrid inverters and distribution system strengthening was highlighted. ➤ Nagaland: Progress under PMSGY remains limited, with low voltage and high AT&C losses affecting implementation. Linking of RDSS funding with RTS progress was also flagged as a concern. SRPC: In compliance with the directions issued in the 15th Meeting of National Power Committee (NPC) held on 14.11.2024, regarding discussion of operational issues of DISCOMs at RPC level, the matter was deliberated in the 54th SRPC
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		Meeting and 51st TCC Meeting held on 22.03.2025 and 21.03.2025, respectively. It was decided that all SLDCs shall consolidate key operational issues of DISCOMs and place them in OCC Meetings for discussion, coordination, and resolution, and wherever required, the issues shall be escalated to SRPC and NPC forums. The above decision was further apprised in OCC forums, wherein SLDCs were requested to bring out such issues in coordination with DISCOMs/ESCOMs under their respective control areas. ii. A Special Meeting was convened on 01.08.2025 through VC as advised by CEA to discuss reliable power supply issues with respect to the Southern Region power sector, with participation from SLDCs, DISCOMs, and TRANSCOs. The meeting was chaired by Member Secretary, SRPC with support from officers from CEA's Grid Management Division and Distribution Planning & Technology Division online. The following issues were deliberated and accordingly action plans were made. ➤ Submission of Reliability Data by DISCOMs ➤ Visibility and Control of 11 kV Feeders ➤ Infrastructure Augmentation Planning ➤ Distribution Transformer, Smart Metering & NFMS Integration ➤ Financial & Technical Support Proposals
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		➤ Consumer Communication & Feedback ➤ Reporting of Discrepancies ➤ Load Shedding/Power Cuts iii. All DISCOMs were advised to align their Crisis Management Plan (CMP) and Disaster Management Plan (DMP) documents in line with the frameworks issued by Ministry of Power and CEA, with due consideration to internal control mechanisms and confidentiality requirements. The status of preparation and alignment of CMP and DMP documents is being regularly monitored in OCC and SRPC/TCC meetings. ERPC: The updated status is still awaited from RPCs.
Review of Status of Islanding schemes	RPCs may update.	The status provided by RPCs are as follows: (details are attached at <u>Annexure-XXII</u>) • NERPC: Three islanding schemes in NER Upper Assam, Itanagar, and Aizawl are currently in service, all catering to major cities/towns. Two schemes, Tripura (Agartala) and Guwahati, are under implementation, with progress constrained by UFR relay requirements and pending PSDF funding for communication systems, respectively. • SRPC: There are seven (07) operational Islanding Schemes (Hyderabad, Chennai, Kudankulam, Bengaluru, Neyveli, Visakhapatnam and Vijayawada) in the Southern Region. These schemes are reviewed regularly in the Monthly Protection Sub-Committee and Communication Sub-Committee meetings. Any

		changes in Load-Generation Balance (LGB) are being continuously monitored for necessary modifications to islanding boundaries or net load. • WRPC: Islanding schemes are regularly reviewed in PCM, with key modifications implemented for schemes like Uran and KAPS, while other in-service schemes remain operational with minor advisories to State SLDCs. Additionally, five new islanding schemes have been identified and approved for PSDF funding, with implementation at various stages ranging from tendering to scheduled commissioning by April 2026. The loads under Surat Islanding Scheme have been included in Sugan Islanding Scheme. • NRPC: Four islanding schemes (NAPS, RAPS, Delhi & Lucknow) have been successfully implemented with SOPs and SCADA visibility in place, while several others are under implementation across UP, Rajasthan, Punjab, and HP. Most ongoing schemes have received NRPC approval and are progressing through PSDF funding, DPR finalization, tendering, or execution stages, with implementation milestones being monitored through OCC/NRPC reviews. • ERPC: Input is still awaited
List of substations and transmission elements to be covered for protection audit in cycle of five (5) years.	It was decided in the 16th NPC meeting held on 04.07.2025 that all RPCs may prepare or maintain a readily available list of substations and transmission elements to be covered for protection audit in cycle of five (5) years. Critical substations and transmission elements identified in Protection Sub Committee to be	The status received from RPCs are attached at <u>Annexure-XXIII.</u>

	covered in the current/ next year audit plan.	
Automatic Demand Management System (ADMS) (Agenda from Grid India)	It was decided that the issue related to Automatic Demand Management System (ADMS) may be deliberated in the respective RPC forums for further action and compliance monitoring.	Status of ADMS schemes as provided by Grid India vide email dated 02.02.2026 is attached <u>Annexure-XXIV</u>
Sustained High Frequency in Indian power system during solar hours) (Agenda from Grid India)	Grid-India may carry out an assessment of RE capacity addition in the coming years to understand its potential impact on grid frequency. The must run plants contributing to high frequency during solar hours may also be studied and reviewed.	The status is still awaited from Grid-India.

33. Hosting of next NPC Meeting:

As per the roster for hosting of NPC meetings decided in the 5th NPC meeting held on 08.04.2016, the next NPC meeting will be hosted by ERPC. The date and venue will be finalized in consultation with ERPC.

Members may note.

34. Any other agenda with the permission of Chairperson, NPC.
