भारत सरकार/Government of India
विद्युत मंत्रालय/Ministry of Power
उत्तर पूर्वी क्षेत्रीय विद्युत समिति/North Eastern Regional Power Committee
लपालांग शिलांग-793006/Lapalang, Shillong 793006

No. NERPC/SE(O)/OCC/2026/8718-8760 . **Date**: 30-03-2026

सेवा में / To,

संलग्न सूची के अनुसार / As per list enclosed.

विषय/Sub: 236 वीं ऑपरेशन समन्वय उप-समिति (ओसीसी) की बैठक का कार्यवृत्त -तत्संबंधी।/ Minutes of 236th Operation Coordination Sub-Committee (OCC) Meeting - reg.

सर/मैडम,
Sir/Madam,

कृपया अपनी जानकारी और आवश्यक कार्रवाई के लिए 20 मार्च 2026 को रॉयल डी कासा रिज़ॉर्ट, काजीरंगा में आयोजित 236वीं ओसीसी बैठक के कार्यवृत्त के साथ यहां संलग्न देखें। कार्यसूची एनईआरपीसी की वेबसाइट www.nerpc.gov.in पर भी उपलब्ध है। की गई कार्रवाई रिपोर्ट (एटीआर) संलग्न है। सभी यूटिलिटियों से अनुरोध है कि वे इन कार्यवृत्तों के जारी होने के 10 दिनों के भीतर ईमेल के माध्यम से अपने संबंधित कार्य बिंदुओं के लिए प्रगति और अपेक्षित समय-सीमा प्रस्तुत करें।

किसी भी टिप्पणी/टिप्पणियों के बारे में कृपया एनईआरपीसी सचिवालय को जल्द से जल्द सूचित किया जा सकता है।

Please find enclosed herewith the minutes of the 236th OCC Meeting held at ROYALE de CASA RESORT, KAZIRANGA on 20th March 2026 for your kind information and necessary action. The agenda is also available on the website of NERPC: www.nerpc.gov.in.
The Action Taken Report(ATR) is enclosed herewith. All utilities are requested to furnish the progress and expected timelines against their respective action points via email(**nerpc.operation@gov.in**) within 10 days from the issuance of these minutes.

Any comments/observations may kindly be communicated to NERPC Secretariat at the earliest.

भवदीय / Yours faithfully,

कंचन चौहान 30/03/2026

(कंचन चौहान / Kanchan Chauhan)
उप निदेशक/Deputy Director
परिचालन/ Operation

Encl: As above

अभिभाषकों की सूची /List of Addressees:

1. Managing Director, AEGCL, Bijuli Bhawan, Guwahati – 781 001
2. Managing Director, APGCL, Bijuli Bhawan, Guwahati – 781 001

3. Managing Director, APDCL, Bijuli Bhawan, Guwahati – 781 001
4. Managing Director, MSPCL, Electricity Complex, Keishampat, Imphal – 795 001
5. Managing Director, MSPDCL, Secure Office Bldg. Complex, South Block, Imphal – 795 001
6. Director (Transmission), MePTCL, Lumjingshai, Short Round Road, Shillong – 793 001
7. Director (Generation), MePGCL, Lumjingshai, Short Round Road, Shillong – 793 001
8. Director (Distribution), MePDCL, Lumjingshai, Short Round Road, Shillong – 793 001
9. Director (Tech.), TSECL, Banamalipur, Agartala -799 001.

10. Director (Generation), TPGCL, Banamalipur, Agartala -799 001.
11. GM (Transmission), TPTL, Bidyut Bhaban, Banamalipur, Agartala -799 001.
12. Chief Engineer (WE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791111
13. Chief Engineer (TP&MZ), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791111
14. Chief Engineer (Commercial) -cum- CEI, DoP, Govt. of Arunachal Pradesh, Itanagar- 791111
15. Engineer-in-Chief, P&E Department, Govt. of Mizoram, Aizawl – 796 001
16. Engineer-in-Chief, Department of Power, Govt. of Nagaland, Kohima – 797 001
17. ED (O&M), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
18. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
19. Group GM, NTPC, Bongaigoan Thermal Power Project, P.O. Salakati, Kokrajhar- 783369
20. Vice President (Plant), OTPC, Badarghat Complex, Agartala, Tripura – 799014
21. ED, PGCIL/NERTS, Dongtieh-Lower Nongrah, Lapalang, Shillong -793 006
22. AGM (BD), NVVN, Core 5, 3rd floor, Scope Complex, 7 Institutional Area, Lodhi Rd., N. Delhi-3
23. Vice President, PTCIL, 2nd Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi – 110066
24. Dy. COO, CTUIL, "Saudamini", 1st Floor, Plot No. 2, Sector-29, Gurugram, Haryana – 122001
25. Chief Engineer, GM Division, Central Electricity Authority, New Delhi – 110066
26. Chief Engineer, NPC Division, Central Electricity Authority, New Delhi – 110066
27. ED, NERLDC, Dongtieh, Lower Nongrah, Lapalang, Shillong -793 006
28. CGM, AEGCL, Bijuli Bhawan, Guwahati – 781001
29. CGM, APGCL, Bijuli Bhawan, Guwahati – 781001
30. CGM, DISCOM, Bijuli Bhawan, Guwahati – 781001
31. Head of SLDC, Dept. of Power, Govt. of Arunachal Pradesh, Itanagar – 791111
32. CGM, (LDC), SLDC Complex, AEGCL, Kahilipara, Guwahati-781 019
33. Head of SLDC, MSPCL, Imphal – 795001
34. Head of SLDC, MePTCL, Lumjingshai, Short Round Road, Shillong – 793 001
35. Head of SLDC, P&E Deptt. Govt. of Mizoram, Aizawl – 796 001
36. Head of SLDC, Dept. of Power, Govt. of Nagaland, Dimapur – 797103
37. Head of SLDC, TSECL, Agartala – 799001
38. Chief Engineer (Elect), Loktak HEP, Vidyut Vihar, Kom Keirap, Manipur- 795124
39. DGM (O&M), OTPC, Badarghat Complex, Agartala, Tripura – 799014
40. Director, NETC, 2C, 3rdFloor, D21Corporate Park, DMRC Building Sector 21, Dwarka, Delhi-77
41. AGM Regulatory & Commercial, NER II TL, 10th Floor, Berger Tower, Noida sector 16B-201301
42. Project Head, NERPSIP/PGCIL, Pub Suraj Nagar, Nutun Bazar, Kahelipara, Guwahati- 781019
43. ED, Comprehensive Scheme (Ar. Pradesh), PGCIL, Tayeng Building, Nitivihar, Itanagar-791111

कंचन चौहान 30/03/2026

(कंचन चौहान / Kanchan Chauhan)
उप निदेशक/ Deputy Director
परिचालन/ Operation

MINUTES OF

236th OCC MEETING

(Under the aegis of NBTL)

Time: 10:00 Hrs.

Date: 20th March, 2026 (Friday)

Venue: ROYALE de CASA RESORT, KAZIRANGA

Contents

NORTH EASTERN REGIONAL POWER COMMITTEE

MINUTES OF 236TH OCC MEETING HELD ON 20.03.2026 (FRIDAY) AT 10:00 HRS

VP (O&M), M/s Resonia Ltd. welcomed all the participants to the 236th OCC Meeting and expressed sincere gratitude for the opportunity to host the meeting. He conveyed his appreciation to NERPC and all constituents for their esteemed presence and continued cooperation, and mentioned that the deliberations of the meeting would be constructive and lead to meaningful outcomes.

Member Secretary, NERPC, welcomed all the participants and appreciated M/s Resonia Ltd. for hosting the meeting and making excellent arrangements.

He emphasized the need for participation of senior-level officers from all NER utilities so that operational issues can be deliberated and resolved in a timely and efficient manner.

In view of the upcoming high-demand summer season, he advised all generating utilities to minimize plant outages and ensure zero partial outages to maintain system reliability. He further urged the transmission utilities/TSPSs to ensure proper maintenance and healthiness of transmission lines to avoid tripping during upcoming summer months.

Thereafter, he requested Director, NERPC to take up the agenda.

1. PART-A: CONFIRMATION OF MINUTES

1.1. Confirmation of Minutes of 235th Meeting of OCC Sub-Committee of NERPC

The minutes of 235th meeting of OCC Sub-committee held on 20.02.2026 at NERPC conference Hall, Shillong were circulated vide letter No. NERPC/SE (O)/OCC/2025/ 8388-8430 dated 9th March, 2026.

As no comments were received from the constituents, the sub-committee confirmed the minutes of 235th OCCM as circulated.

2. PART-B: ITEMS FOR DISCUSSION

2.1. SoP/Guidelines for diversion of RPC approved Spare Transformers and Reactors to the constituents / state transmission utilities: NERPC (Ref. from 31st TCC & NERPC)

Background:

It was noted that Regional Power Committees (RPCs) have been approving procurement of cold spare transformers and reactors based on regional requirements. In various RPC and sub-committee meetings, the need for a standardized and transparent mechanism for utilization/diversion of such spares by constituent utilities/STUs has been emphasized.

In this regard, SRPC and NRPC have finalized region-specific Standard Operating Procedures (SoPs)/guidelines for diversion of RPC-approved spares. In the Southern Region, PGCIL developed and finalized SoP in consultation with stakeholders, which has been approved and forwarded for consideration at the national level. Similarly, in the Northern Region, detailed guidelines covering scope, cost implications, responsibilities, and timelines were deliberated in various forums and approved in the 81st NRPC meeting for implementation.

Both regions have recommended that the guidelines be placed before the National Power Committee (NPC) to ensure uniformity across all regions.

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.

The matter was also deliberated in the 17th NPC Meeting, wherein it was decided that all RPCs shall explore a suitable mechanism for periodic rotation of spare transformers and reactors among constituents/STUs and examine inclusion of Private Transmission Service Providers in the framework.

Further, RPCs were advised to review the existing SoPs formulated by SRPC and NRPC. It was also decided that consolidated suggestions from all RPCs would be deliberated in the Operation Sub-Group of NPC for finalization of a

uniform SOP at the national level, to be subsequently adopted by all RPCs and placed before NPC for information.

Subsequently, the issue was deliberated in the 31st TCC and NERPC Meeting. Further, the draft SOP was circulated to all constituent utilities for their comments and observations vide email dated 16.03.2026.

Deliberation of the sub-Committee:

- Director, NERPC apprised that the SoP has been in principle approved in the 17th NPC meeting and comments were invited from the stakeholders of all the regions. Pursuant to that, the matter was deliberated in 31st TCC RPC meeting, wherein it was decided to circulate the SoP to NER utilities for inviting their comments.
- NERPC informed that the SoP had been circulated on 16.03.2026 to the NER utilities for their comments.
- On query, Powergrid informed that presently 6 nos NERPC approved regional spares are available in the Region. The details are as given below:

Sl No	Substation (Region)	Cold spare Transformer/Reactor	Voltage (kV)	Capacity	Make
1	Balipara	Reactor	400	63 MVAr	BHEL
2	Ziro	Transformer	132/33	5 MVA	Vijai Electricals
3	Mariani	Transformer	400/220/33	500MVA	TOSHIBA
4	Dimapur	Transformer	220/132	100	SIEMENS
5	SILCHAR	Reactor	400	125 MVAR	BHEL
6	Nirjuli	Transformer	132/33	50 MVA	TBEA

- NERPC further informed that 11 number of regional spare Transformers and Reactors had been approved in the 28th TCC– 28th NERPC Meeting as per CERC Committee recommendation. The list is placed at **Annexure-2.1.1.**
- On query, POWERGRID responded that the same are presently under procurement.

The subcommittee noted as above and requested the state utilities and TSPs to provide comments/observations to NERPC positively by 31st March'26.

Action: All state utilities/TSPs.

2.2. Implementation of Travelling Wave Fault Locator (TWFL) on critical transmission lines in NER: NERPC (Ref. from 31st TCC & NERPC)

Background:

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 were 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.

Accordingly, based on nominations received from concerned utilities, Subgroup was formed under Chairmanship of SE (O&P), NRPC. Sub-group held two meetings on 28.08.2025 and 17.10.2025 respectively.

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 than150 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.

In 81st NRPC meeting held on 31.10.2025, CTU opined that policy for Implementation of TWFL for ISTS and intra state lines may be formulated by CEA in consultation with CTU, Grid-India and all other NR stakeholders.

NRPC Forum was of view that the agenda maybe discussed at subcommittee meetings of RPC and the recommendations may be discussed at the NPC level for uniform policy decisions at the pan-India level.

The issue was discussed in 17th NPC meeting held on 27/02/2026 wherein Chairperson, CEA/NPC suggested that such systems may be considered for installation in new transmission lines during the planning stage itself, particularly for long transmission corridors, so that fault location and restoration timelines can be improved.

Chairman, TCC, NERPC requested that while the present criteria primarily consider higher voltage transmission lines, deployment of such systems for lower voltage levels (e.g., 132 kV) in NER may also be considered, as it may be operationally beneficial in NER. The members agreed for the same.

Subsequently, the issue was also placed in 31st TCC/NERPC and the same was referred to sub-committee for further deliberation.

Deliberation of the sub-Committee:

- **Member Secretary, NERPC** and **CGM (I/C), NERLDC** emphasized the importance of precise fault location through the implementation of Travelling Wave Fault Locators (TWFL) for important and critical ISTS and intra-state transmission lines in the NER grid. They opined that the cost associated with installation of TWFL may be considered under O&M.
- The representative from NTL expressed concerns that TBCB transmission licensees operate under very less O&M margins and that inclusion of TWFL cost under O&M would be very difficult. Accordingly, it was requested that the cost may be allowed under Additional Capitalization (ADD CAP).
- With regard to the criteria for implementation of TWFL, the Forum noted that, in addition to the criteria discussed in the 17th NPC Meeting, critical 132 kV lines for the NER region may also be included.

- It was decided that the criteria for selection of 132 kV lines may be finalized and accordingly such 132 kV lines shall be identified by NERPC in consultation with NER SLDCs and NERLDC.
- NERLDC is requested to identify the list of critical lines in the region. The criteria for selection and consolidated list of identified 132 kV lines in the NER grid shall be deliberated in the next OCC Meeting.

The sub-Committee noted as above.

Action: NERLDC in consultation with SLDCs shall identify list of critical 132 kV lines for TWFL implementation and place the consolidated list for deliberation in the 237th OCC Meeting.

2.3. Revise study for implementation of Tripura Islanding Scheme - NERPC (Ref. from 31st TCC & NERPC)

Tripura Islanding scheme is in the process of preparation & designing the architecture with joint study by NERPC, NERLDC in co-ordination with SLDC Tripura.

In connection with designing the scheme, require data like node-wise data/generation data (OFR/UFR time delay) etc. of state generator/ISGS have been submitted to NERLDC.

Tripura islanding scheme has been designed considering details study/analysis of peak load & off-peak load along with the status of availability of generation & communication network.

As per the meeting of NERPC held on 16th May 2025 for the finalization of the Islanding Scheme, current status of completion for the assigned tasks to ensure timely execution of the scheme are given here-under.

Sl.No.	Work Responsibility	Implementation Status
1	Verify numerical relays at 132 kV feeders and implementation of UFR setting at 48.2 Hz with TD 300 ms.	
	i) 132kV PK Bari(TR) - Kamalpur at PK Bari(TR)	
	ii) 132kV PK Bari(TR) - Dharmanagar at PK Bari(TR)	
	iii) 132kV PK Bari(TR) - 132kV PK Bari(ISTS) at PK	

	Bari(TR)	All are in the process of Implementation
	iv) 132kV PK Bari(TR) - 132kV Kailashohor at PK Bari(TR)	
	v) 132kV Agartala - Mohanpur at Agartala	
	vi) 132kV Budhjungnagar - Jirania at Budhjungnagar	
	vii) 66kV Agartala(79 Tilla) - Baramura at Agartala	
	viii) 66kV Udaipur – Jatanbari at Udaipur	
2	Provide updated 66 kV network diagram	Provided
3	Identify 2 UFRs (15 MW each) at	
	i) 132 kV Udaipur Substation – to trip (15 MW load which is to be identified) at 48.0 Hz with a time delay of 100 ms.	3 nos. 33 kV Feeders have been identified : i) Power House ii) Rani Killa
	ii) 132 kV PK Bari Substation – to trip (15 MW load which is to be identified) at 47.8 Hz with a time delay of 100 ms.	3 nos. 33 kV Feeders have been identified : i) Pecharthal +Kumarghat ii) Kanchanpur Fatikroy + Rajkandi
4	Revise stg II OFR setting at Rokhia to 52 Hz with time delay 1.5 sec	To be implemented by TPGL
5	Disable old UFRs	
	i) 132kV AGTCCPP - Agartala I & II at Agartala	To be implemented by PGCIL

Meanwhile, NER Power System Improvement Project (NERPSIP) being implemented by PGCIL in the State is currently on the verge of completion where a lot of new 132 kV elements have been included in the Tripura Power System comprising of 132 kV New sub-stations with associated lines as listed below:

i) 132 kV sub-stations at:

Gakulnagar, Manu, Mohonpur, Rabindranagar, Amarpur, Bagafa, Belonia, Satchand and Sabroom.

ii) 132 kV associated lines at:

1)	132 kV D/c Bagafa - Belonia Transmission line
2)	132 kV D/c Belonia - Sabroom Transmission Line
3)	132 kV S/c (on D/c tower) Bagafa - Satchand transmission line

4)	132 kV D/c Rabindranagar - Rokhia transmission line
5)	132 kV D/c Rabindranagar -Belonia transmission line
6)	132 kV D/c Udaipur - Bagafa transmission Line
7)	Lilo of 132 kV D/c Surjamaninagar - Rokhia transmission line at Gakulnagar
8)	132 kV D/c Kailashahar - Dharmanagar transmission line
9)	LILO of 132 kV S/c Agartala (79 tilla) - Dhalabil transmission line at mohonpur
10)	132 kV D/c Udaipur - Amarpur transmission line
11)	LILO of 132 kV s/c Ambassa - P. K. Bari transmission line at Manu

In view of the above, the proposal is submitted for consideration of the following by the Forum:

i) Further Load Flow Study of Tripura Power Network is hereby sought including all the new elements being implemented in the State under NERPSIP for analyzing load patterns for necessary identification before finalization of the Tripura Islanding scheme.

Deliberation of the sub-Committee:

- The Forum observed that some new elements have been commissioned within the Tripura (Agartala) islanding area under the NERPSIP–Tripura scheme and opined to carry out a fresh load flow study for the Tripura (Agartala) islanding Scheme.
- Accordingly, NERLDC shall share a list of required data/information with Tripura for carrying the study. NERLDC further informed that the revised load flow study would be completed within 10 days of receipt of the required data from Tripura.
- The representative from Tripura submitted that the requisite data would be furnished within 3 days of receipt of the requirement.

The sub-Committee noted as above.

Action: NERLDC / Tripura.

2.4. Up-gradation of 132 kV Single Main Bus System to 132 kV Double Main Bus system in EHV Sub-stations of TPTL: Tripura-NERPC (Ref. from 31st TCC & NERPC)

The following 132 kV Sub-stations of Tripura Power Transmission Ltd (TPTL) are presently having Single Main 132 kV Bus resulting in less reliability & flexibility issues during maintenance related activities.

Conversion of a 132 kV sub-station from a Single Main Bus scheme to a Double Main Bus scheme offers significant operational and reliability benefits, especially for growing systems like those in the North Eastern Region. The key advantages are as follows:

i) Improved Reliability of Power Supply: Fault on one bus does not interrupt complete substation supply, complete substation blackout can be avoided.

ii) Enhanced Operational Flexibility: Load transfer between Bus–I and Bus–II can be done during maintenance.

iii) Better Fault Isolation: Faults are confined to the affected bus section.

iv) Improved Load Management: Load can be distributed between two buses.

v) Increased System Security: Higher redundancy, suitable for important grid nodes, generation evacuation points, or interconnecting substations, enhances N-1 contingency compliance.

vi) Facilitates Future Expansion: Additional bays can be added more conveniently.

NERLDC & NERPC also stressed the need for double main bus system in various forums.

In view of the above TPTL has planned to implement conversion of the following EHV sub-stations from Single Main to Double Main 132 kV Bus System.

Sl. No.	132 kV Sub-station	Existing Bus System	Proposed Scope
1	79 Tilla Grid	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)

Sl. No.	132 kV Sub-station	Existing Bus System	Proposed Scope
2	Bodhjungnagar	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
3	Jirania	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
4	Gamaitilla	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
5	Dhalabil	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
6	Kamalpur	Single Main 132 kV Bus System	Double Main 132 kV Bus AIS
7	Ambassa	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
8	P.K.Bari	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
9	Missiontilla	Single Main 132 kV Bus System	Double Main 132 kV Bus AIS
10	Gournagar	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
11	Mohanpur	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
12	Banduar	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
13	Bagafa	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
14	Rabindranagar	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
15	Belonia	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
16	Amarpur	Single Main 132 kV Bus System	Double Main 132 kV Bus AIS
17	Satchand	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)
18	Sabroom	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)

Sl. No.	132 kV Sub-station	Existing Bus System	Proposed Scope
19	Gokulnagar	Single Main 132 kV Bus System	Double Main 132 kV Bus (Hybrid AIS & GIS)

TPTL proposes the afore-mentioned bus conversion component to be implemented for providing flexibility, maintaining efficiency and to achieve improved reliability in the Intra-State Power System.

Cost Estimate along-with Detail Project Report (DPR) of the proposal will be submitted for funding of the project through 100 % grant from PSDF.

Deliberation of the sub-Committee:

- The representative from Tripura apprised that all 19 substations are presently operating under a single-main bus scheme.
- The Forum noted the importance of upgrading to a 132 kV double main bus system for enhancing system reliability and further observed that operation of 132 kV substations with single bus without a transfer bus is not in compliance with the CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022.
- NERPC also requested Tripura to verify, out of the 19 substations, the number of substations operating under a single-main bus scheme without a transfer bus, as conversion from a single-main bus with transfer bus scheme to a double main bus scheme is beyond the stipulated requirements of the CEA regulations, and accordingly advised Tripura to refer the proposal to CTU and CEA for verification of the technical necessity.
- Member Secretary, NERPC further stated that, in view of the limited availability of funds under PSDF, the proposal may not be feasible for funding through PSDF. He advised Tripura to explore alternative sources of funding and to ensure compliance with CEA technical standards at the earliest.

The subcommittee noted as above.

Action: Tripura.

2.5. Associated Transmission System of Pump Storage Plant at Longtarai, Dhalai District, Tripura- NERPC (Ref. from 31st TCC & NERPC)

Background:

The power demand of Tripura is expected to rise as per 20th Electric Power Survey (EPS) which will exacerbate the State's dependency on power imports. Tripura is deficit in fulfilment of its Renewable Purchase Obligations (RPO) and further needs to contract Solar, Hydro and Wind capacities to fulfill its Renewable Purchase Obligations and to meet the demand projections.

NHPC Limited has proposed to develop Pumped Storage Projects in the State of Tripura under Clause 3.1 of the guidelines issued by the Govt. of India.

Construction of Longtarai Pump Storage Plant in the Tripura State can hugely benefit the State to meet its Peaking Power demand at reasonably lower rates, by contracting for the pumping energy requirement from these regions, besides, infusing the various economic benefits associated in undertaking a Hydro Project.

The Longtarai Pump storage Plant (PSP) is an "Off-Stream Closed Loop PSP" proposed in Dhalai district of Tripura with an estimated generation capacity of 800 MW. The project is proposed to meet the power requirements during the peaking time and to maintain grid stability. The cost of the project is Rs. 4298.26 Crore including Financial charge and Interest during Construction (IDC) of Rs. 342.67 Crore.

The proposed Longtarai Pumped Storage Plant is of the installed capacity of 800MW which consists of 4 units of 200 MW each. Considering the n-1 contingency criteria, it has been proposed by NHPC to evacuate the power through 2 nos. D/C 400 kV transmission line which would be connected to nearest grid. Power is envisaged to be evacuated to/drawn from the nearest 400 kV Surjamaninagar ISTS with voltage levels of 765/400 kV. Approximate distance of transmission line from lower reservoir to Surjamaninagar 400 kV ISTS shall be 80 kms.

However, the Surjamaninagar (TPTL) sub-station is functioning as the main power interface hub in the State of Tripura for intra-state, inter-state and cross border power flow. Up-gradation of Surjamaninagar 132 kV sub-station

of TPTL to 400 kV has been in-principally approved by CEA, Ministry of Power, Govt. of India and Fund Tying Up of the Project is in process. On up-gradation Surjamaninagar (TPTL) 400 kV S/S will remain connected with Palatana GBPP at 400 kV level.

In view of the above following was proposed by TPTL:

To facilitate effective power evacuation of Tripura, the associated transmission system through the proposed 400 kV transmission line from the Longtarai PSP should be routed through Surjamaninagar (TPTL) sub-station. In this arrangement, power from Longtarai Pumped Storage Plant can be evacuated both through Surjamaninagar (TPTL) sub-station and Surjamaninagar (ISTS) sub-station.

TPTL proposed that the afore-mentioned scheme to be implemented for providing flexibility, maintenance efficiency and to achieve improved reliability in the Intra-State Power System.

Deliberation of the sub-Committee:

- NERPC apprised that, as per the CEA's Master Plan for evacuation of power from hydroelectric plants in the Brahmaputra Basin, the Longtarai PSP is to be connected to the 400 kV P.K. Bari ISTS through the 400 kV Longtarai –P.K. Bari D/c line.
- With regard to the proposal of evacuation of the Longtarai PSP through 400 kV Surjamaninagar (Tripura), the Forum opined that since the pumping power of PSP during daytime would likely sourced from solar generation from other parts of the country and also the generated power during evening hours would be shared with other states in the country, it would be preferrable for the Longtarai PSP to remain connected to the ISTS grid.
- The Forum further noted that the proposal of Tripura differs from the approved transmission plan of CEA hence, the matter needs to be discussed with CTU and CEA for any modifications.
- Accordingly, the Forum advised Tripura to place the proposal in the upcoming CMETS meeting and subsequently approach CEA for necessary consideration.

The subcommittee noted as above.

Action: Tripura.

2.6. Advisory for Optimal Utilization of Generating Stations during Non-Solar Peak Hours of Summer 2026-NERPC

A meeting was taken by Secretary (Power) on 11.03.2026 to review the power supply position of the country in view of the anticipated high demand during April–June 2026. Based on the assessment of available generation resources and projected demand, challenges are expected in meeting the demand during non-solar (evening) peak hours.

In this regard, all Utilities were advised to undertake the following measures to ensure maximum availability of dispatchable generation:

1. Adherence to Approved Maintenance Schedules: Dispatchable generating resources (Thermal/Gas/Storage Hydro/PSP) shall ensure that the planned maintenance schedules approved by RPCs are strictly adhered to. Necessary advance arrangements for infrastructure, spares, and manpower should be made to complete maintenance within defined timelines, thereby maximizing capacity availability.
2. Preventive Maintenance and Reliability Measures: Utilities shall implement rigorous preventive maintenance protocols and proactive health monitoring of units to minimize the likelihood of forced and partial outages and to ensure reliable operation during peak demand periods.

In view of ensuring high availability of generating units and transmission lines during the anticipated high demand period, NERPC will be:

1. Monitoring the Evolving Demand–Supply Situation: Continuous review of demand and supply conditions in the region starting from 01.04.2026.
2. Reviewing the Planned Maintenance of Generation and Transmission Systems:
   Monitoring of maintenance schedules of generating units and transmission lines to ensure maximum system availability.

3. Reviewing the Coal Stock Position: Periodic assessment of coal stock levels at thermal power stations to ensure adequacy as per prescribed stocking norms.

Deliberation of the sub-Committee:

- Member Secretary, NERPC advised all stakeholders to adhere strictly to the planned outage schedule so as to avoid deviation in availing outages and to ensure timely restoration of elements after availing shutdowns. He further urged all utilities to avoid delays in returning shutdowns on account of manpower constraints, T&P issues, or non-availability of service engineers.
- The Forum also emphasized the need for all stakeholders to undertake rigorous preventive maintenance to ensure that generating units remain in a healthy and reliable operating condition.

The subcommittee noted as above.

Action: All concern utilities.

2.7. Maximizing Generation from Gas-Based Power Stations -NERLDC

In view of the ongoing conflict in the Middle East, which has disrupted the global supply of gas and may lead to a reduction in generation from gas-based power plants dependent on imported gas. In this regard the Government of India has issued Gazette Notification CG-DL-E-10032026-270784 dated 09 March 2026 listing the priority allocation of gas supply.

It is noted that, gas-based generating stations in the North Eastern Region (NER) largely operate on isolated gas resources within the region and may not be expected to be directly impacted. In this context, generation from NER gas-based stations may play a significant role in maintaining overall grid reliability.

A letter in this regard was issued on 10th March 2026 to the respective generating entities. Accordingly, gas-based generators may take necessary actions to maximize generation from the existing units, expedite the revival of units presently under long outage, and coordinate with gas suppliers for enhancement of gas supply as well as revival of units currently under outage due to shortage of gas.

Further, the current status of partial outage and forced outage of gas-based generating units is also attached for reference and review.

Deliberation of the subcommittee:

- NERLDC apprised the Forum that the projected maximum demand for FY 2026–27 for the pan-India grid is about 280 GW, indicating an increase of around 30 GW compared to the previous year. It was further informed that a reduction of about 7–8 GW in generation availability is anticipated at the pan-India level due to the prevailing unrest in West Asia.

  However, gas-based generating stations in the North Eastern Region (NER) primarily operate on isolated gas resources within the region and are not expected to be directly impacted. Accordingly, gas-based generators in NER may take necessary measures to maximize generation from the existing units.
- Member Secretary, NERPC stated that most of the gas-based generating units in the region are presently under outage or partial outage due to limited gas availability. He further mentioned that generating stations such as OTPC are technically ready to increase generation; however, states are reluctant to procure power at higher tariffs arising due to gas blending. Under such circumstances, it becomes difficult for generating stations to enhance generation.
- He added that the issue of gas blending will be discussed separately under the commercial sub-Committee, as decided in the 31st TCC/RPC meeting. In view of the prevailing situation, he advised gas-based generators to make efforts to maximize gas availability and undertake rigorous preventive maintenance to ensure that generating units remain in a healthy and reliable operating condition.

The sub-committee advised all gas-based generators to make concerted efforts to maximize gas supply and maintain their systems in a healthy and operational condition so as to ensure maximum availability of generation.

2.8. Operational Planning and Resource Adequacy for April 2026- NERLDC

The Operational Planning and Resource Adequacy assessment for April 2026 is attached for review and comments.

- All utilities are requested to review the assessment and provide any necessary inputs or observations.
- Kindly share your feedback at the earliest to ensure comprehensive planning.

Deliberation of the sub-committee:

NERLDC presented the resource adequacy (RA) status in respect of all the NER states. The state-wise status is summarized as below-

SI. No.	State	RA status
1	Ar. Pradesh	Banking arrangement done from Punjab. Likely to experience shortages during solar hours.
2	Assam	Advance procurements done. Expected to remain in surplus scenario.
3	Manipur	Advance procurements done. May face shortages during solar hours.
4	Meghalaya	May face shortages during solar hours, surplus in evening peak hours.
5	Mizoram	Shortage may be experienced during the daytime and evening ramping time during the period when the Tuirial HEP is under shutdown. Forum urged Mizoram tie up with surplus states to mitigate the shortages
6	Nagaland	Expected to encounter shortages during solar hours and the evening peak (around 45 MW). NERPC and NERLDC to send mails to the state to sensitize the higher authorities on the matter

7	Tripura	Shortage observed during day time and evening peak hours. Tripura apprised that procurement of 100MW is underway, Board has approved the proposal. Discussion with NHPC is underway for procurement of free power share of Ar. Pradesh. Also, Tripura has written to PTC for advance procurement of power. Additionally, NERLDC presented the deviation profile of Tripura for April 2025 and February 2025. The forum noted Tripura had been persistently overdrawing during the assessment period. The Forum urged Tripura to refrain from overdrawing during the forthcoming high-demand periods. Tripura agreed to adhere.

The respective stakeholders took note of the same.

The sub-committee noted as above.

Action: **Mizoram, Nagaland, Tripura.**

2.9. Early commissioning of 2nd circuit of 220 kV Mariani (PG) - Mariani (AS) Line: NERLDC

On 19th August 2025, the 220 kV Mariani (PG) – Mariani (AS) Transmission Line recorded a loading of 233 MW. The line continued to remain loaded above 200 MW throughout the peak demand period on 20th August 2025. Due to this persistent overloading, a hotspot developed at the 220 kV bay at Mariani (AS), ultimately necessitating emergency shutdown of the line on 19th, 20th, 21st and 22nd August 2025.

It was further observed that lower generation within Upper Assam, particularly from NTPS, LRPP and NRPP generating stations, contributed significantly to the excessive loading of the said transmission line.

The repeated emergency shutdown of the 220 kV Mariani (PG) – Mariani (AS) line has not only compromised the reliability of the Upper Assam system under N-1 contingency conditions, but has also resulted in increased loading of the 220 kV Balipara – Sonabil D/C line, thereby adversely affecting the reliability of power supply to the capital city of Assam.

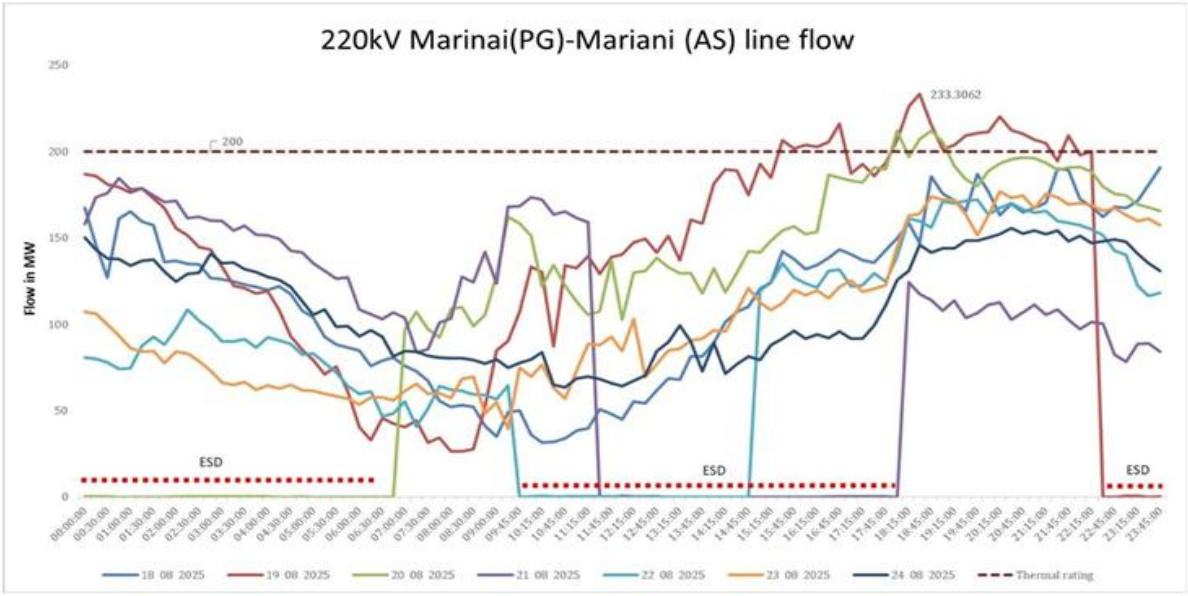


Fig: Power flow through 220 kV Mariani (PG) – Mariani (AS) line

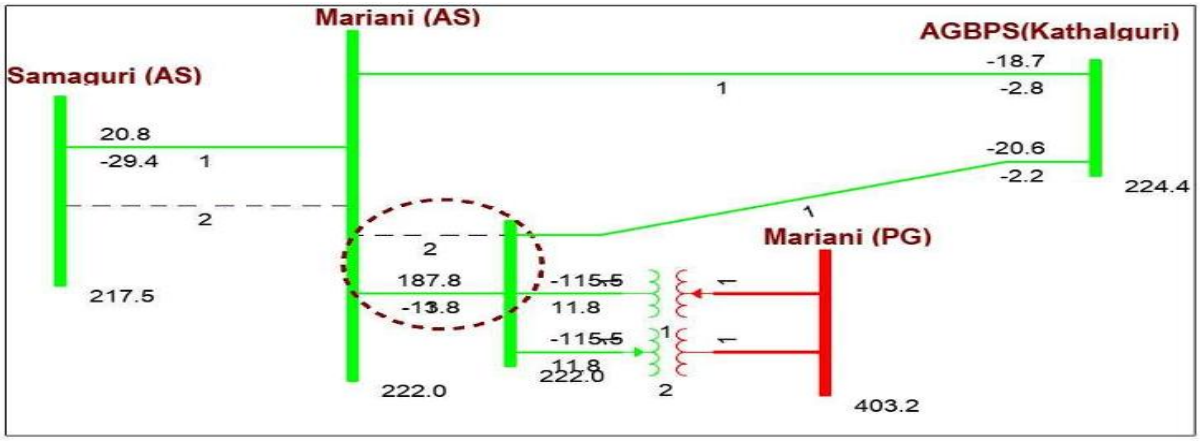


Fig: Connectivity of 400/220 kV Mariani (PG) with Upper Assam system

With the availability of the 400 kV Mariani (PG) system, additional power import into Upper Assam is expected during high demand scenarios or periods of low generation within the Upper Assam system. Therefore, strengthening of the 220 kV Mariani corridor has become imperative to ensure reliable and secure power supply to the Assam power system.

In view of the above, and to maintain the security and reliability of the Assam system, the following measures were identified for urgent implementation:

- Early commissioning of the second circuit of the 220 kV Mariani (PG) – Mariani (AS) Transmission Line by AEGCL.
- Bay upgradation of the 220 kV Mariani (PG) – Mariani (AS) Transmission Line at Mariani (AS) by PGCIL.

The issue was raised during the 230th OCCM meeting held on 19.09.2025, wherein AEGCL informed that the survey has been completed and certain modifications are required in the LILO portion.

The matter was again discussed in the 30th RPC meeting held on 13th November 2025. During the meeting, the representative of AEGCL informed the forum that the survey for the second circuit of the 220 kV Mariani (PG) – Mariani (AS) line has been completed; however, the timeline for completion of the work was not provided.

In the same meeting, the representative of PGCIL apprised the forum that the bay upgradation work for the second circuit of the 220 kV Mariani (PG) – Mariani (AS) line is expected to be completed by the first week of December 2025.

AEGCL and PGCIL were requested to provide the current status of the work along with the expected date of completion. Considering the upcoming high demand season, the availability of the second circuit of the 220 kV Mariani (PG) – Mariani (AS) Transmission Line is extremely important for ensuring reliable power supply to the Assam power system.

Deliberation of the sub-committee:

- AEGCL apprised the forum that the survey work has been completed and technical drawings have been submitted to the higher management of AEGCL for approval. The design approval is expected by next month, following which financial approval from the Board will be obtained in due course.
- With respect to the bay upgradation work for the second circuit of the 220

kV Mariani (PG) – Mariani (AS) line, PGCIL apprised that the reconductoring work from LA to bus bars has been completed by replacing the existing Zebra conductors with Twin Moose conductors. The hotspots observed earlier have been mitigated. PGCIL further informed that the remaining works (including changing of clamps and conductors, etc.) are expected to be completed by **June 2026.**

- Considering the importance of the line, especially during peak demand conditions, the Forum advised AEGCL to expedite the commissioning of the 2nd circuit of the 220 kV Mariani (PG) – Mariani (AS) transmission line. The Forum also decided to keep the matter under review

The subcommittee noted as above.

Action: AEGCL & PGCIL

2.10. Network Strengthening Requirement for Enhancement of Tripura GNA -NERLDC

As per Agenda Item 2.19 of the 235th OCC meeting, SLDC Tripura requested augmentation of the GNA quantum for Tripura in view of cross-border power transfer requirements and the growing demand within the state. It has proposed that the GNA quantum be increased from 311 MW to approximately 360 MW with effect from 1st April 2026.

As per the present network configuration, the Available Transfer Capability (ATC) of the Tripura power system is limited to 314 MW. Therefore, while the existing GNA is 311 MW, the proposed enhancement to about 360 MW would exceed the current ATC limit. For increasing the GNA quantum, the ATC margin must be enhanced. Accordingly, network strengthening in Tripura is required prior to implementation of the proposed GNA increase.

In this regard, TPTL is requested to complete the approved projects at the earliest, as listed below:

Reconductoring of:

Sl. no.	Name of the elements	Present status
1	132 kV SM Nagar (ISTS) – SM Nagar T/L	FTC Application yet to be submitted in the portal.
2	132 kV SM Nagar (ISTS) – Budhjungnagar T/L	FTC Application applied on 06-11-2025. Relay settings approval from RPC and SIO clearance are yet to be submitted. Note: As informed by Tripura, the reconductoring work partially completed and currently the line is in charged condition. However, FTC approval to be obtained prior to the charging of line after completion of reconductoring works.
3	132 kV PK Bari (ISTS) – Manu T/L	FTC Application applied for 132kV PK Bari ISTS - Ambassa (LILO at Manu) on 21-11-2025. Connectivity Agreement, PTCC Clearance, Relay settings approval from RPC and Compliance with RLDC observations on the OTDR report are yet to be submitted.

Note: Further, the 132 kV PK Bari (ISTS) – Manu T/L has been under outage since 10:54 hours on 12.03.2026. Due to the outage of this line, the ATC of Tripura will be further reduced by 30 MW. During the outage of the 132 kV PK Bari (ISTS) – Manu T/L, high loading is expected on the 132 kV SM Nagar–SM Nagar, 132 kV SM Nagar (ISTS) – Budhjungnagar T/L, and 132 kV PK Bari–PK Bari lines during peak hours, which may adversely affect Tripura system reliability.

Commissioning of:

- 132 kV SM Nagar – Monarchak D/C line
- 132 kV SM Nagar – Rokhia D/C line

The present status of the approved projects may be provided by SLDC Tripura. Early completion of the above works will help enhance the ATC margin and facilitate the proposed increase in GNA quantum.

Deliberation of the sub-Committee:

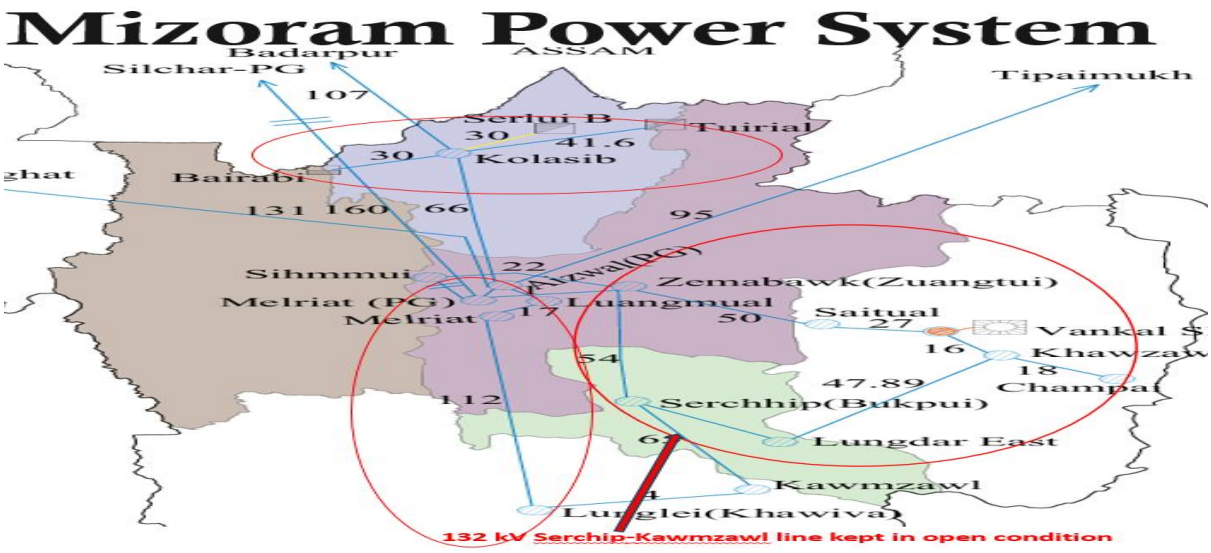
- SLDC Tripura apprised the forum that the commissioning of 132 kV SM Nagar – Monarchak D/C line and 132 kV SM Nagar – Rokhia D/C line shall be completed by **May-2026**.
- Regarding the reconductoring works for 132 kV SM Nagar (ISTS) – SM Nagar T/L, 132 kV SM Nagar (ISTS) – Budhjungnagar T/L and 132 kV PK Bari (ISTS) – Manu T/L, SLDC Tripura apprised the forum that the works have been completed and FTC procedure is in progress.
- Member Secretary, NERPC stated that since the reconductoring works have already been completed, the FTC process should not be delayed on account of procedural or compliance-related issues. He advised Tripura to coordinate and resolve the same at the earliest in coordination with NERLDC.

The subcommittee noted as above.

Action: Tripura

2.11. TTC/ATC limitation in Mizoram Power system-NERLDC

At present, most parts of the Mizoram power system are operating in radial mode, and a major portion of the state load is being fed from the Melriat (PG) and Aizawl (PG) sides. Although the Mizoram power system has a ring network, the ring is presently maintained in an open condition, with the 132 kV Serchip–Kawnpui line kept open.



As per the meeting held with SLDC, Mizoram on 30th August 2024, it was informed that they are planning to implement a **LILO of the 132 kV Zuangtui–Sihhmui line at Luangmual Substation**. After the commissioning of this LILO arrangement, the Total Transfer Capability (TTC) of the Mizoram power system is expected to **increase to around 160 MW.**

Further, upon the commissioning of the **132 kV Bairabi – Mamit – West Phaileng – Zuangtui transmission link**, the TTC of the Mizoram power system is **expected to increase to around 200 MW.**

In this regard, SLDC Mizoram was requested to update the forum on the current status of the following ongoing transmission projects:

- Commissioning of the 132 kV Bairabi – Mamit – West Phaileng – Zuangtui transmission link
- LILO of the 132 kV Zuangtui–Sihhmui line at Luangmual Substation

Deliberation of the sub-Committee:

- SLDC Mizoram apprised the forum that charging clearance for the 132 kV Bairabi – Mamit – West Phaileng – Zuangtui transmission link is pending due to non-availability of PLCC communication link between West Phaileng and Bairabi.
- NERPC informed that the issue had been deliberated in earlier OCC meetings, wherein Mizoram had sought relaxation for charging the line without communication systems and a letter in this regard has been

sent to CEA seeking guidance on the exemption.

- Member Secretary, NERPC informed that CEA, vide its letter dated 10th September 2025, clarified that since the line is intra-state and at the 132 kV level, the responsibility for granting charging clearance lies with the concerned SLDC. The forum, therefore, advised SLDC Mizoram to expedite the charging of the line.
- Regarding the communication link, Mizoram informed that the tendering process is currently in progress.
- With respect to the LILO of the 132 kV Zuangtui–Sihhmui line at Luangmual substation, SLDC Mizoram apprised that one bay at Luangmual is already available and the second bay is expected to be completed within March, 2026. Subsequently, the LILO work is likely to be completed by April, 2026.

The subcommittee noted as above.

Action: Mizoram

2.12. Ensuring Compliance of Commitments Made in Undertakings for Charging/Energisation of Altered Transmission Elements to Avoid Recurrence of Such Situations in Future: NERLDC

NERLDC informed that on 29.08.2025, POWERGRID carried out the re-routing of the 132 kV Jiribam–Loktak transmission line through direct stringing between tower locations 81 to 83 and removal of tower location no. 82, which had become vulnerable due to landslide conditions.

For charging consent of the altered element, POWERGRID submitted altered element energisation document. As per Point-6 of stated document, it was indicated that out of 24 OPGW fibers, 10 fibers were healthy and the balance 14 fibers would be restored within two months (by 29.10.2025).

Based on the above undertaking, charging consent for the altered 132 kV Jiribam–Loktak transmission line was accorded.

However, the restoration of the remaining 14 OPGW fibers has not been completed even as on date. Further, it has been observed that the remaining

10 OPGW fibers, which were earlier healthy, have also gone out of service since 07.03.2026, resulting in complete outage of the communication link between Jiribam and Loktak.

The case highlights a situation where charging/energisation of an altered transmission element was permitted based on an undertaking for completion of pending works within a stipulated timeline, which has not been complied with.

The matter is placed before the NERPC-OCC forum for discussion so that suitable mechanisms may be evolved to ensure compliance of such commitments and avoid recurrence of similar situations in future.

Deliberation of the sub-Committee:

- PGCIL apprised the forum that the restoration of 24 OPGW fibres on the altered 132 kV Jiribam–Loktak transmission line is targeted for completion by 15th April 2026.
- The forum advised all utilities to strictly adhere to the committed timelines for completion of pending works, particularly in cases where charging/energization of any transmission elements has been allowed based on undertakings for their timely completion.

The subcommittee noted as above.

Action: PGCIL to complete restoration of 24 OPGW fibres on the altered 132 kV Jiribam–Loktak transmission line by 15th April 2026.

2.13. Simultaneous Restoration of OPGW during Alteration of Transmission Lines-NERLDC

It has been observed that whenever any alteration of transmission line is carried out, such as stringing over ERS towers, re-routing of transmission lines for any reason, or restoration from ERS towers to permanent towers, the associated OPGW work is often not taken up simultaneously during the alteration activities.

With the commissioning of OPGW across the transmission network, OPGW has become an integral part of the communication network of the power system, facilitating critical services such as SCADA, protection signaling, PMU data transfer and voice communication. Any prolonged outage of OPGW adversely affects the communication infrastructure and system operations.

For instance, during the conductor stringing of the 132 kV Tezu–Namsai transmission line (PGCIL owned) over ERS towers in June 2025, the associated OPGW connectivity between Tezu and Namsai remained out of service from June 2025 to January 2026, until the restoration of the line over permanent towers. This resulted in a weakened communication link for Arunachal Pradesh during the period.

In view of the above, the matter is placed before the NERPC-OCC forum to advise the concerned utilities that whenever alteration works are carried out in transmission lines, the associated OPGW works should also be undertaken simultaneously, in line with the provisions defined in the Procedure for Energisation of Altered Elements, so as to ensure continuity and reliability of the communication network.

Deliberation of the sub-Committee:

- Powergrid stated that alteration in transmission lines generally occur in emergency situation like natural calamity, force majeure conditions etc. where restoration of the transmission line is of paramount importance. In such scenarios, all available resources and workforce are primarily deployed for early restoration of the line. It was further stated that mandating simultaneous restoration of OPGW during such conditions may lead to delays in the restoration of the transmission line itself.
- The forum took note of the concerns raised by POWERGRID and also emphasized that early restoration of OPGW is crucial for reliable grid operation, as it supports critical communication requirements.
- After detailed deliberation, the forum decided that restoration of OPGW during alteration of transmission lines should be made within a

minimum duration after restoration of the transmission line and it was agreed that the concerned Transmission Service Providers (TSPs) shall submit an undertaking, along with the charging request to NERLDC/SLDCs, indicating a firm tentative timeline for restoration of OPGW based on prevailing site conditions.

The sub-committee noted as above.

Action: All TSPs

2.14. Reporting of generation data connected with Grid in Arunachal Pradesh-NERLDC

Arunachal Pradesh owns around 120 small, mini, and micro hydel plants of various capacities with a total installed capacity of about 70.115 MW. However, the reported figures vary across different reports.

Earlier, most of these small hydropower plants were operating in micro-grid systems. However, after the commissioning of 33 kV transmission lines from the 132/33 kV Tenga station, many of these plants have now been integrated with the main grid. The connectivity of Tawang district was completed last year (2025), and since then most of the hydro plants in the district have been connected to the grid.

As per the available information, the following small/mini/micro hydropower plants in Tawang district are currently in operation:

SL. No	Installed Capacity	Installed Capacity	in MW
1	Nurang Ph-I SHEP	(3 X 2 MW)	6
2	Nurang Ph-II MHS	(2 X 0.5 MW)	1
3	Shaikangchu SHEP	(3 X 2 MW)	6
4	Kitpi Ph-II SHEP	(2 X 1.5 MW)	3
5	Kitpi Ph-I SHEP	(2 X 0.75 MW)	1.5
6	Khangtheng SHEP	3x2.5 MW	7.5

		Total	25

Project (Tawang) under implementation are:

1	Taksang Chu SHP	Zemithang, Tawang	(2 x 1.7) MW
2	Taksang Gompha Nallah SHP	Zemithang, Tawang	(2 x 0.55) MW

The NERLDC team visited Nurang Phase-I (3 × 2 MW) and Nuranang Phase-II (2 × 0.5 MW) during February 2026. During the visit, it was observed that several of these hydro plants are operating continuously.

Since GRID-INDIA shares generation data on a daily and monthly basis with CEA and the Ministry of Power (MoP). Therefore, SLDC Arunachal Pradesh is requested to provide the generation data of Hydro Power Development Corporation of Arunachal Pradesh Limited to NERLDC so that it can be further shared with CEA and MoP.

In this regard, the Department of Power (DoP), Arunachal Pradesh was requested to update the forum on the current generation status of these hydel plants and the plans for incorporating real-time generation data reporting to SLDC Arunachal Pradesh and NERLDC.

Deliberation of the sub-Committee:

- SLDC, Arunachal Pradesh apprised the forum that generation data is currently being received from only two small/mini/micro hydro stations.
- Member Secretary, NERPC advised Arunachal Pradesh to ensure proper data communication and reporting of all grid-connected small hydro plants to NERLDC to facilitate better resource adequacy planning.
- SLDC, Arunachal Pradesh stated that a communication will be sent to these generators for ensuring grid visibility.
- The forum further opined that generation report of grid connected captive power plants should also be submitted to NERLDC.

The sub-committee noted as above.

Action: DOP Arunachal Pradesh.

2.15. Painting work to restrict the corrosion for the safety & enhancement of life of the towers in 400 kV D/c Silchar-Byrnihat-Azara line traversing through highly polluted area near Byrnihat - NETC

A portion of the 400 kV D/C Silchar-Byrnihat-Azara line is passing through a highly polluted area near Byrnihat. The increased pollution level in the Byrnihat area due to its industrialization is resulting in rusting of towers and damage to porcelain insulators.

Accordingly, as per approval of the 174th OCCM and 21st TCC & 21st NERPC Meeting, high tech painting (by using zinc rich anticorrosive galvanized paint along with the additional coating of rust converter and acid resistant) was done in the whole tower body of total 06 (six) no. towers viz. tower no. 548, 554, 580, 581, 582 & 583 which were rusted due to such pollution. This painting of rusted towers was done to restrict the corrosion for the safety & enhancement of life of the towers.

Further, the porcelain insulators installed in the towers of this area during the construction time also got damaged due to lightning flashover because of dust deposition on the insulators, which were later replaced with Polymer insulator.

Now, again due to this heavy pollution in the area, total 07 (seven) no. of towers viz. tower no. 571, 572, 573, 577, 584, 585 & 587 have got severely affected and suffered intensive corrosion. If such corrosion continues, there is a chance that the entire towers may collapse in near future due to damage of the tower stub & members. Therefore, to avoid further corrosion, NETC has contemplated to take up high tech painting in the whole tower body of these towers by using zinc rich anticorrosive galvanized paint along with the additional coating of rust converter and acid resistant in line with the earlier executed painting work.

In this regard, it may be noted that as per the latest report (published on 9th January, 2026) of Centre for Research on Energy and Clean Air (CREA),

Byrnihat is ranked as the top most polluted city in India. This report was also published in the leading newspapers of India.

By taking all safety precautions, the main tower body shall be painted without taking any shutdown, but for the cross-arm sections, the line shutdown is required and accordingly, shutdown plan for the 400 kV Silchar-Byrnihat line (Ckt-II) & 400 kV Silchar-Azara line (Ckt-I) shall be shared with this august forum for necessary approval.

The cost estimate for the subject painting work including supply & execution works comes to around Rs.170 lakhs. NETC being a very small Organization, it will be difficult on its part to bear such heavy expenditure. Therefore, it is requested that the forum may kindly consider and approve the proposed painting of towers. NETC requested forum to consider and approve the expenditure on account of painting of towers under Additional Capitalization (ADD-CAP).

Deliberation of the sub-Committee:

- The forum opined that a committee shall be constituted comprising representatives from NERPC, NERLDC, PGCIL, Assam, and Meghalaya to carry out a physical site visit and assess the site conditions and requirement at the identified tower locations of the 400 kV D/C Silchar–Byrnihat–Azara line. The committee shall complete the inspection by the first week end of April, 2026 and submit its report within 10 days of the visit.
- The matter regarding admissibility of expenditure towards tower painting under Additional Capitalization (ADD-CAP) shall be deliberated in the CCM post submission of the committee report.

The sub-committee noted as above.

Action: NERPC will constitute a committee comprising representatives from NERPC, NERLDC, PGCIL, Assam, and Meghalaya to carry out physical inspection of identified tower locations of the 400 kV D/C Silchar–Byrnihat–Azara line, inspection to be completed by first week of April, 2026 and report to be submitted within 10 days thereafter.

2.16. Outage planning-NERPC

Outage Planning of Generation/Transmission elements

As per the Outage planning procedure of NER the planned outages approved in the OCC forum has to be reconfirmed by the availing utilities on 10:00hrs. of D-4 to 12:00 hrs. of D-3) to NERLDC in order to either avail the approved shutdown or cancel it.

If an outage is to be availed on say 10th of the month, the shutdown availing agency would reconfirm to NERLDC between 10 hrs. of 6th of the month to 1200 hrs. of 7th of the month. This practice is necessary to ensure optimal capacity utilization and the time required for associated system study/coordination by/amongst RLDC/NLDC.

Deliberation of the sub-Committee:

Utilities have submitted the shutdown proposals for the month of April 2026 which was deliberated in the shutdown meeting held on 17/03/2026 (Tuesday) through VC. However, a few shutdown proposals require consent from the concerned states, which has not yet been received.

The remaining shutdown proposals for the month of April'26 were deliberated upon by the forum based on the system study done by NERLDC. The list of approved shutdowns is attached as **annexure 2.16**.

The sub-Committee noted as above.

2.17. Operational Performance and Grid discipline during February 2026:- NERLDC

Deliberation of the sub-Committee:

NERLDC presented the Operational Performance and Grid Discipline Report for the month of February 2026. The forum took note of the same.

The sub-Committee took note of the same.

2.18. Frequency Response Obligation (FRO) of each control area under RLDC jurisdiction for FY 2026-27-NERLDC

NLDC, in consultation with RLDCs, has assessed Frequency Response Obligation (FRO) of each control area under RLDC jurisdiction for FY 2026-27 in compliance with Reg. 30 (10) (f) and as per Annexure-2 of the CERC (Indian Electricity Grid Code), Regulations 2023. The FRO has been assessed based on minimum All India target frequency response characteristics (FRC), giving due consideration to generation and load within each control area during CY 2025 and the details as given in Table 4 under Reg. 30 (10) (g) of CERC (IEGC), 2023.

These notified FRO was circulated to all concerned stakeholders on 16.03.2026.

Deliberation of the sub-Committee:

NERLDC apprised that NLDC, in consultation with RLDCs, has assessed Frequency Response Obligation (FRO) of each control area under RLDC jurisdiction for FY 2026-27. These notified FRO was circulated to all concerned stakeholders on 16.03.2026 and the same was placed before the forum for information

The sub-Committee took note of the same.

2.19. Recent Grid disturbances in NER Grid-NERLDC

Sl. No.	Area / State	Date & Time	Event Description	Root Cause
1	Sanis & Wokha areas, Nagaland	13-03-2026, 15:45 Hrs	132 kV Chiephobozou–Wokha line was under outage since 13:26 Hrs of 30-09-2025 due to tower collapse near Longsa Village. Blackout occurred due to tripping of 132 kV Doyang–Sanis line. NERLDC issued closing code but breaker did not close at Sanis end.	Failure of DC supply at Sanis Substation.

Sl. No.	Area / State	Date & Time	Event Description	Root Cause
2	Dharmanagar (Tripura) & Dullavchera (Assam)	16-03-2026, 00:52 Hrs	Blackout occurred due to tripping of 132 kV Dharmanagar–PK Bari line. 132 kV Dullavchera–Hailakandi line was already under outage since 20:51 Hrs of 15-03-2026.	Vegetation infringement.
3	Karong area, Manipur (Event-1)	15-03-2026, 20:52 Hrs	Blackout due to tripping of 132 kV Kohima–Karong and 132 kV Gamphajol–Karong lines.	Protection coordination issue and vegetation infringement.
4	Karong area, Manipur (Event-2)	16-03-2026, 01:01 Hrs	132 kV Gamphajol–Karong line remained under outage since previous event. Tripping of 132 kV Kohima–Karong line caused blackout of Karong S/S.	Vegetation infringement.
5	Tuirial area, Mizoram	16-03-2026, 01:33 Hrs	132 kV Tuirial–Kolasib line tripped resulting in blackout of Tuirial Generating Station.	Vegetation infringement.

Observations

During the recent inclement weather period from 12-03-2026 to 16-03-2026, several tripping incidents were observed across the NER Grid. Although the monsoon season has not yet commenced, multiple outages have already occurred during this period.

Preliminary analysis indicates that most outages were primarily caused by Vegetation infringement along transmission corridors and Protection coordination issues.

Recommendation

All NER constituents are requested to undertake immediate corrective and preventive measures to enhance the reliability of the protection system, including:

- Regular patrolling of transmission lines for vegetation clearance
- Verification and improvement of protection coordination settings
- Detailed analysis of grid events to identify and eliminate root causes

Deliberation of the sub-Committee:

Member Secretary, NERPC emphasized the importance of regular line patrolling for early identification of vegetation-related faults. He further stressed the need for periodic clearance of vegetation in transmission line corridors and timely submission of DR/EL reports to NERLDC and NERPC to facilitate effective fault analysis.

The sub-committee noted as above.
Action: All Concern utilities.

Additional agenda

2.20. Requirement of state-wise month-wise energy availability and peak requirement data for the FY 2026-27-NERPC

It was requested to provide the state-wise month-wise energy availability and peak requirement data for the FY 2026-27 for the purpose of preparation of LGBR for FY 20026-27.

NERPC has sent a mail in this regard to all the state SLDCs and requested them to provide the required data by 20.03.2026. It is requested to the state utilities to provide the required data the earliest. (format attached)

Deliberation of the sub-Committee:

NERPC requested all utilities to share the data by today 20.03.2026.

2.21. Annual planned outage for FY 2026-27-NERPC

It is requested to all the generating and transmission utilities to provide the annual outage plan for the generating units and transmission elements respectively for Fy 2026-27 in the attached format by 31.03.2026. A mail has already been sent by NERPC in this regard.

Deliberation of the sub-Committee:

NERPC requested all utilities to share the data by 31.03.2026.

2.22. Outage of Loktak HEP for R&M -NHPC

NHPC is planning to commence R&M activities at the Loktak, which involves complete or partial outage of the generating station for 19 months. The detailed outage plan is tabulated below.

Sl no.	Shut Down Schedule	Shut Down Period in Months	No of Units Running
1	Complete Shutdown of all Three Units	Six	0
2	Unit#1 Stand Alone Shut Down	Three	02
3	Unit#2 Stand Alone Shut Down	Five	02
4	Unit#3 Stand Alone Shut Down	Five	02
	Total	19 months	

Further, NHPC has proposed the take the shutdown from 3rd/4th week of March'26.

The matter deliberated in the 31st TCC NERPC meetings, in which NHPC was advised to take up the matter with MSPCL for receiving their consent. Subsequently, MSPCL vide letter 12/65/GM(PD)/2024-MSPCL/5655-61 dtd 17th march'26 has provided consent for the outage of the plant subject to ensuring power supply to Rengpang area through alternate arrangement at the Loktak HEP.

With this background, the forum is requested to decide upon the shutdown proposal of the Loktak HEP.

Deliberation of the sub-Committee:

The forum opined that the shutdown of Loktak HEP for R&M should be deferred to maintain maximum availability of generation during the coming summer period. Further, Ministry of Power, GOI has directed that no shutdown of generating unit should be allowed during the period of April to June, 2026. Hence, NHPC (Loktak) was advised to re-schedule the said shutdown tentatively during October /November, 2026.

The sub-Committee noted as above.

2.23. Establishment of 11 kV downstream connectivity at various newly constructed 33/11 kV Sub-stations under NERPSIP scheme in Tripura-TSECL

Power Grid Corporation of India (PGCIL) has constructed 33/11kV KV Sub-stations of 37 nos across the State of Tripura under NERPSIP scheme. But in those Sub-stations the establishment of 11 KV downstream connectivity were not consider in the project. Therefore, those Sub-stations would not be under full utilization until the downstream connectivity is done. The estimated cost of the downstream connectivity comes to Rs. 47.27 Cr. TSECL has approach the Central Electricity Authority (CEA) for suitable funding in this regard as the TSECL in not in a position to make expenditure for its own source (Copy enclosed).

It is requested to the forum to guide TSECL for approaching for suitable funding from the Government.

Deliberation of the sub-Committee:

NERPC apprised that the matter for downstream connectivity of 33/11kV substations constructed under NERPSIP and Comprehensive schemes in NER were deliberated in the 26th and 27th TCC & NERPC meetings in which it was requested to the state utilities to send the proposals to DP&T division of CEA for inclusion in RDSS phase II scheme, which is to be funded by the Ministry of Power, GoI.

TSECL responded that the proposals have already been submitted to Central Electricity Authority, and additional information sought by CEA is currently under submission.

MS, NERPC advised TSECL to take up the issue with CEA.

The sub-Committee noted as above.

Action: TSECL.

PART-C: ITEMS FOR UPDATE/FOLLOW-UP

3.1 Mock Black Start of Units in compliance with IEGC -NERLDC

As per IEGC Clause 34 (3), The user shall carry out a mock trial run of the procedure for different sub-systems including black-start of generating units along with grid forming capability of inverter based generating station and VSC based HVDC black-start support at least once a year under intimation to the concerned SLDC and RLDC.

Accordingly, Mock Black Start of the following generating plants were conducted for the FY 2025-26:

Sl. No.	Name of Power station	Date of Mock exercise
1	Kopili Unit 1, 3 & 4	Completed (U I & III 09th March 25 & U II & IV 10th March 25)
2	Khandong Unit- 1 & 2	Unit-1-08-07-2025 Unit-2 -28-08-2025
3	LS HEP Unit 2, 3 and 1	19.12.2025, and 25.01.2026 03.03.2026
4	Panyor HEP Unit-3	11.03.2026

Mock Black Start of the following generating plant are pending:

Sl. No.	Name of Power station	Last date of Mock exercise	Expected date of Mock exercise (as per 233rd OCCM)
1	Doyang HEP	Unit II-04.04.2025	To be performed after commissioning of SCADA, tentatively in Feb'26
2	Khangdong Stg-2 HEP	-	Mar'26
3	Kameng HEP	-	No confirm date as coordination with the OEM underway regarding line charging capability of the machine.
4	Loktak HEP	Unit I -15.05.2025	To be performed during lean hydro season, due in May'26
5	Pare HEP	Unit-II-17.05.2025	To be performed during lean hydro season.
6	Turial HEP	Unit II- 22.07.2025 Unit I- 23.07.2025	To be performed in FY 2026-27
7	AGBPS	GTG 4-14-05-2024	
8	AgGBPS	GTG 2-11-09-2024	Before Mar'26

Point for discussion:

All utilities are requested to submit the latest status of planning for mock black-start trials of all pending units and to complete the activities within FY 2025–26 to ensure compliance with IEGC requirements by March 2026.

Kameng HEP has not yet performed black-start of units due to technical issues since commissioning. NEEPCO is requested to provide the latest status and ensure that the black-start exercise is completed by March 2026.

As per 234th OCC meeting NEEPCO inform that In February 2026, they plan to conduct a mock black start for Doyang Unit #1 and Panyor HEP. In March 2026, they will carry out a mock black start for Kameng HEP.

Deliberation of the sub-Committee:

- The forum advised NERLDC to issue a roster for mock black start exercise by all the generators for the FY:2026-27. The utilities are requested to respond to the issued roster for compliance.

- **Status of Mock Black Start of the following generating plant as updated in OCC:**

Sl. No.	Name of Power station	Last date of Mock exercise	Expected date of Mock exercise (as per 233rd OCCM)
1	Doyang HEP	Unit II-04.04.2025	Mar'26
2	Khandong Stg-2 HEP	-	Mar'26
3	Kameng HEP	-	April'26
4	Loktak HEP	Unit I -15.05.2025	-
5	Pare HEP	Unit-II-17.05.2025	Mar'26
6	Tuirial HEP	Unit II- 22.07.2025 Unit I- 23.07.2025	To be performed in FY 2026-27
7	AGBPS	GTG 4-14-05-2024	April'26
8	AgGBPS	GTG 2-11-09-2024	Mar'26
9	Panyor HEP	30.05.2025	11.03.2026

The sub-committee noted as above.

Action: NEEPCO

3.2 Mock Testing of System Protection Scheme (SPS) in Assam system for FY 2025-26:NERLDC

As per Clause 16.2 of IEGC 2023, RLDC/NLDC in consultation with the concerned RPC shall carry out mock testing of operational SPS at least once in a year to review the parameters and functionality of the scheme. The report of such testing, including shortcomings if any, is to be shared with the respective RPC.

The tentative timelines for mock testing as updated during the 88th PCCM dated 19th Feb'26 are indicated below:

Sl. No.	Name of SPS	Tentative timeline of Mock Testing/Status as per 236th OCC meeting:
ISTS Scheme		
1	SPS/MS/001: SPS related to reliable power supply to Arunachal Pradesh & Assam through 132 kV Roing–Chapakhowa D/C line	AEGCL – First week of March 2026
Intra-State Schemes		
1	SPS/AS/001: Overloading of 220 kV BTPS–Salakati D/C line	AEGCL – 25th-27th Feb 2026
2	SPS/AS/004: Outage/tripping of 220 kV Azara–Sarusajai D/C line	AEGCL – 25th-27th Feb 2026
3	SPS/AS/005: SPS related to tripping of 220 kV Misa–Samaguri D/C line	AEGCL – 25th-27th Feb 2026

However, the above mentioned SPS schemes in Assam are yet to be tested.

Since IEGC 2023 mandates completion of mock testing of operational SPS at least once every year, the mock testing of the above schemes for FY 2025–26 needs to be completed by March 2026.

AEGCL may kindly expedite the mock testing of the above SPS schemes and submit the testing report to NERPC/NERLDC at the earliest, while giving priority to the ISTS scheme (SPS/MS/001), considering its importance in ensuring reliable power supply to Arunachal Pradesh and Assam, as already suggested by the NERPC forum during the 87th PCC Meeting.

Deliberation of the sub-Committee:

Timelines for mock testing as updated by the utilities in the meeting:

Sl. No.	Name of SPS	Status as per 236th OCC meeting:
ISTS Scheme		
1	SPS/MS/001: SPS related to reliable power supply to Arunachal Pradesh & Assam through 132 kV Roing–Chapakhowa D/C line	AEGCL – ***completed on 17th March***
Intra-State Schemes		
1	SPS/AS/001: Overloading of 220 kV BTPS–Salakati D/C line	AEGCL – ***Applied for testing***
2	SPS/AS/004: Outage/tripping of 220 kV Azara–Sarusajai D/C line	AEGCL – ***Completed***
3	SPS/AS/005: SPS related to tripping of 220 kV Misa–Samaguri D/C line	AEGCL – ***Applied for testing***

The subcommittee noted as above.

Action: AEGCL

3.3 Status of Emergency Restoration System (ERS) for NER: NERPC (Ref. from 31st TCC & NERPC)

Ministry of Power vide DO letter dated 05.12.2014 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.

As per MoP Guidelines dated 05.12.2014, the ERS requirement is linked to the circuit kilometre (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.

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.

In response, PSE&TD Division, CEA vide letter dated 11.05.2025, has been issued SOP for the restoration of transmission system and NPC Division, CEA vide letter dated 11.05.2025 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.

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.

Deliberation of the sub-Committee:

- The forum noted the status of ERS availability against the prescribed requirement as discussed in 227th OCC (Agenda No. 4.1) as follows:

Sl. No.	***Utility/State***	***Total ckt Km***	***No. of ERSs set required as the guideline***	***Availability of the ERS set***
1	Powergrid	9000	2	2
2	KMTL	254	1	NIL
3	Sterlite (NBTL+MUML)			
4	NTL (Indigrid)			
5	NETC			
6	Ar. Pradesh			
7	Assam	5426	2	2
8	Manipur	955	1	
9	Meghalaya	1801	1	NIL
10	Mizoram	1034	1	
11	Nagaland	517	1	

- The forum noted that the ERS facilities of PGCIL are stationed at Misa and BNC substations.
- The forum further noted that only Assam among all the NER states have ERS facility and advised the remaining states to procure the same as per mandate.
- The sub-committee requested NTL(Indigrid) and NETC to update the status of ERS availability against the required mandate.
- NERPC informed that MOP vide letter ref. No. 34/7/2025-TRANSMISSION (MoP) dated 19.08.2025 has conveyed in-principle approval for procurement of 20 sets (300 towers) ERS under Public Procurement (Preference to Make in India) through Regulated Tariff

Mechanism (RTM) to POWERGRID. Out of 20 sets of ERS (300 towers) suitable for 400kV Transmission Lines being procured, 4 sets of ERS towers (60 towers) shall be kept in North Eastern Region. This was discussed in 232nd OCCM and Powergrid was directed to prepare a SoP for modalities of sharing the ERS with states, user charges etc. and circulate the same to the states for their comments.

The subcommittee noted as above and requested Powergrid to prepare SOP for modalities of sharing the ERS with states at the earliest.

Action : **i)** ***NTL and NETC update the status of ERS availability.***

ii) Powergrid updated the status of procurement of 4 approved ERS for NER and prepare SOP for modalities of sharing the ERS with states

3.4 Automatic Demand Management System (ADMS) Healthiness Status in NER Grid-NERLDC

Due to high RE Integration, variability in generation is being observed in the grid. In this context, low-frequency conditions are being experienced regularly.

In view of the above, all the NER constituents are requested to provide the healthiness status of the Automatic Demand Management System (ADMS) of your respective control areas.

Also, Utilities are requested to ensured that ADMS to be kept in service and in healthy conditions at all times.

In 234th OCC meeting.

Manipur and Nagaland apprised the forum that the ADMS is non-functional as the system is without AMC. Further they updated that the proposals have been put up to higher authorities.

MS, NERPC urged all states to ensure proper maintenance of the ADMS system and ensure its functionality, as managing demand and load is essential for maintaining grid security.

Deliberation of the sub-Committee:

MS NERPC stated that a meeting will be convened by NERPC between the NER states and M/s Orbit to resolve the matter of AMC for ADMS system in NER grid.

The sub-Committee noted as above.

Action: NERPC will schedule a meeting with NER states and M/s Orbit to discuss the matter of AMC for ADMS system in NER grid.

3.5 Update on Configuration of PGCIL stations for NERLDC Shillong and NERLDC Guwahati: -NERLDC

With help of PGCIL-NERTS and PGCIL-ULDC eleven (12) stations out of sixteen (16) stations are reporting parallelly to NERLDC Shillong and NERLDC Guwahati.

POWERGRID-NERTS was requested to extend further support to configure rest four (04) stations to enable them to report to NERLDC Shillong and NERLDC Guwahati. The status is tabulated below:

Sl. No.	Sub-station	Completion status	Status as per 32nd NETeST held on 28th August 2025
1	Misa	Pending	SIEMENS SAS upgrade/installation work is ongoing at Misa. Target: August 2026
2	Mokokchung	Pending	SAS upgradation LOA has been awarded. Target: October 2026
3	Roing	Pending	LoA has been placed for the SAS upgradation of the Roing. ULDC-POWERGRID requested

			forum to provide seven (07) – eight (08) months till the completion of SAS upgradation. Target: March 2026
4	Tezu	Pending	LoA has been placed for the SAS upgradation of the Roing. ULDC-POWERGRID requested forum to provide seven (07) – eight (08) months till the completion of SAS upgradation. Target: March 2026

POWERGRID is requested to provide an update on the current status of these actions specifically for Roing and Tezu.

Deliberation of the sub-Committee:

PGCIL updated the status as follows:

Sl. No.	Sub-station	Completion status	Status as per 236th OCC meeting
1	Misa	Pending	SIEMENS SAS upgrade/installation work is ongoing at Misa. Target: August 2026
2	Mokokchung	Pending	SAS upgradation LOA has been awarded. Target: End of May 2026
3	Roing	Pending	LoA has been placed for the SAS upgradation of the Roing. ULDC-POWERGRID requested forum to provide seven (07) – eight (08) months till the completion of SAS upgradation. Target: End of May 2026
4	Tezu	Pending	LoA has been placed for the SAS upgradation of the Roing. ULDC-POWERGRID requested

			forum to provide seven (07) – eight (08) months till the completion of SAS upgradation. Target: End of May 2026

The sub-committee noted as above.

Action: Powergrid

3.6 Submission of Healthiness Status of Under Frequency Relays (UFRs):

The North Eastern Region (NER) grid has three active Islanding scheme i.e. Itanagar, Aizawl and Upper Assam Islanding scheme and all state have active automatic under-frequency load shedding (AUFLS) scheme which are critical for maintaining grid stability during contingencies. These schemes are primarily based on the operation of Under Frequency Relays (UFRs).

For the successful operation of the islanding schemes and protection scheme, it is imperative that the designated UFRs are in a healthy condition and functioning correctly. In this regard, all utilities are kindly requested to submit the healthiness status of their respective UFRs, based on recent tests conducted to assess their performance. Please ensure the following while submitting report to NERPC and NERLDC:

Clearly indicate the location and identification of each UFR.

Mention the date and methodology of the last healthiness test.

Include test results and any corrective actions taken (if applicable)

As per deliberation of 227th OCC meeting, Forum has advised NERLDC to prepare a testing calendar for UFR testing, which may be jointly witnessed by NERPC and NERLDC. In this regard a Google sheet with link below has been shared with all constituents on 16th June 2025.

https://docs.google.com/spreadsheets/d/1HeaQlbbFOaWsE0sElm_JKG2T5h4oIZwVlK67dICZmPc/edit?gid=1939252534#gid=1939252534

In 234th OCCM, MS NERPC exhorted all utilities to plan the UFR testing and update the sheet at the earliest.

All are requested to once again share the plan and update in the share google sheet.

Deliberation of the sub-Committee:

MS NERPC directed all utilities to plan the UFR testing and update the sheet at the earliest and same shall be discussed in the next PCCM.

The sub-Committee noted the same

Action: All concerned utilities.

3.7 Status Update and Revival Plan for Long-Outage NER Generators & Transmission Lines-NERLDC

The following NER generators & transmission lines have been under outage since long time. Considering the increasing demand trend and reliable power supply in the Region, respective utilities are requested to intimate the updated expected date of revival & take necessary action to restore the mentioned units & lines at earliest:

Generating Units:

As updated in 236th OCC meeting

S. No.	Element Name	Outage time	Reason	Expected date (as updated in 236th OCCM)
1	LTPS Unit 7 (20 MW)	17:08 hrs of 08-04-2024	High Vibration issue in Bearing Block-4 turbine bearing of gas turbine	Spares received. BHEL to visit shortly and work to be completed by April (1st Week)
2	Baramura Unit 4	23:20 Hrs of 05-06-2024	gear box issue, leakage in auxiliary of gear box, display of control unit is not working due to suspected card issue.	Machine OK. Only Gas shortage issue

Transmission Lines:

As updated in 234th OCC meeting:

S.No	Element Name	Outage time	Reason	Expected date (as updated in 234th OCCM)
1	400 kV Imphal - Thoubal I	18-10-2021	Tripped on DP, ROW issue.	Matter pending court due to RoW issue. Law and order situation is fragile.
2	132 kV Jiribam-Rengpang	17-11-2023	Tripped on Earth fault	September 2026
3	132kV Ningthoukhong-Churachandpur ckt 1	04-08-2024	Z-1, 18.5 km, O/C	Multiple insulators punctured. Procurement of new insulators to be done, waiting for approval of higher authorities.
4	132kV Srikona – Panchgram	14-01-2019	-	New corridor, survey done, waiting for approval

For transmission line, utilities said to update the present status via email.

The sub-Committee noted the same

Action: All concerned utilities.

3.8 Performance of online network estimation tools at RLDC -NERLDC

IEGC mandates RLDCs and SLDCs to utilize the network estimation tool integrated in their EMS and SCADA systems for the real time operational planning study. Also, performance of the online estimator tools shall be reviewed in monthly operational meetings as per IEGC Regulation 33.2.

Quote:

"SLDCs, RLDCs and NLDC shall utilize network estimation tool integrated in their EMS and SCADA systems for the real time operational planning study. All users shall make available at all times real time error free operational data for the successful execution of network analysis using EMS/SCADA. Failure

to make available such data shall be immediately reported to the concerned SLDC, the concerned RLDC and NLDC along with a firm timeline for restoration. The performance of online network estimation tools at SLDC and RLDC shall be reviewed in the monthly operational meeting of RPC. Any telemetry related issues impacting the online network estimation tool shall be monitored by RPC for their early resolution."

Unquote:

Performance Summary of the Online Estimation Tool at NERLDC for a sample dated 08.01.2026 is as shown below:

11-Feb-2026 17:04:26

Difference & % Error of RTCA and RTNET

Constituents	SCADA	RTCA		RTNET	
		Difference	Error %	Difference	Error %
NER Generation	2120	386	13.00	29	1.00
NER Load	2595	338	12.00	29	12.00
Tripura	184	85	35.00	85	35.00
Assam	1450	553	31.00	553	31.00
Meghalaya	309	29	12.00	29	12.00
Manipur	201	27	23.00	27	23.00
Arunachal	161	41	30.00	41	30.00
Nagaland	151	37	30.00	37	30.00
Mizoram	140	14	12.00	14	12.00

This comparison is shown so that SLDC work on improving telemetry of State so that EMS Tools like state estimator, real time contingency analysis should be work and as per IEGC SLDC should use the EMS tool in real time study.

In 234th OCC meeting.

NERLDC informed the forum that the percentage error is elevated due to the low availability of SCADA data received from all states. MS, NERPC urged all states to maintain their SCADA systems, communication channels, and associated equipment to ensure data availability to the SLDC and NERLDC

Deliberation of the sub-Committee:

Forum stressed that SLDCs shall initiate necessary action to ensure availability of communication links for receival of data in real-time.

The meeting ended with a vote of thanks to the chair.

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Annexure 2.1.1

i) **Transformer:**

MVA Rating of Transformers	Voltage Rating	Total Installed unit in POWERGRID	Installed State	Spare Required as per CERC report	Available Spare (As per RPC Approved)	Qty Proposed for procurement	Location/State of spare requirement
3Ø-315MVA	400/132/33kV	1 No-**Silchar**	**Assam, Silchar**	1	0	1	**Assam, Silchar**
3Ø-160MVA	220/132kV	06 Nos **02-Balipara** **02- Dimapur** **02- Kopili**	**Assam-Balipara** **Nagaland-Dimapur** **Assam-Balipara**	2	**1(Assam- Balipara)**	1	**Nagaland , Dimapur**
3Ø-100MVA	220/132kV	02 Nos **01 No-Dimapur** **01 No- Salakati**	**Nagaland-Dimapur** **Assam-Salakati**	2	**1(Nagaland- Dimapur)**	1	**Assam, Salakati**
3Ø-50MVA	132/33kV	04 Nos **02- Imphal** **02- Nirjuli**	**Manipur- Imphal** **Arunachal Pradesh**	2	**1 (Arunachal Pradesh - Nirjuli)**	1	**Manipur, Imphal**
	TOTAL:					**4**	
	Tentative Cost						**43.94 Cr**

ii) **Reactors:**

MVAr Rating of Reactors	Voltage Rating	Total Installed unit in POWERGRID	Installed State	Spare Required as per CERC report	Available Spare (As per RPC Approved)	Qty Proposed for procurement	Location/State of spare requirement
3Ø-125MVAR#	420kV	06 Nos 01-Silchar 01-Imphal 01 – Balipara 01 – BNG 02- Mariani	Assam-Silchar **Manipur-Imphal** Assam-Balipara Assam-Bongaigaon Assam-Mariani	2	**1(Assam-Silchar)**	1	**Manipur, Imphal**
3Ø-63MVAR*	420 kV	**22 Nos** 06- Balipara 06-Bongaigaon 04-Silchar 02- Imphal 04- BNC	Assam-Balipara Assam- Bongaigaon Assam-Silchar **Manipur- Imphal** Assam- BNC	2	**1(Assam-Balipara)**	1	**Manipur, Imphal**
3Ø-50MVAR*	420 kV	**9 Nos** 02- Balipara 04- Bongaigaon 02- Silchar 01-Misa	Assam- Balipara Assam-Bongaigaon Assam-Silchar **Assam-Misa**	1	0	1 *** proposed to be replaced with 63 MVAr**	**Assam-Misa**
3Ø-31.5MVAR	245kV	01-Mokukchung	**Nagaland-Mokukchung**	1	0	1	**Nagaland,Mokukchung**
3Ø-20MVAR	245kV	01-Mariani	**Assam-Mariani**	1	0	1	**Assam, Mariani**
3Ø-20MVAR	132kV	3		3	0	3	**Manipur- Imphal**

		01 No- Imphal 01 No- Aizwal 01 No- Kumarghat	Manipur-Imphal Mizoram-Aizwal Tripura-Kumarghat				**Mizoram- Aizwal Tripura-Kumarghat**
	TOTAL:					**8**	
	Tentative Cost						**50.0 Cr**

- Quantity considered for both 125MVAR & 80MVAR reactors in Manipur. In case of failure of existing 80MVAR reactor, replacement can be done with 125MVAR.

* - Quantity considered for both 50MVAR & 63MVAR reactors. In case of failure of existing 50MVAR reactor, replacement can be done with 63MVAR.

01 In view of the above, it is requested for approval for procurement of cold spare transformers & reactors of various ratings as per CERC committee recommendation as mentioned above. The Tariff for the investment made is to be shared by constituents as per the provisions of CERC Regulation.

Annexure-I

List of Participants in the 236th OCC Meeting held on 20.03.2026

S.No.	Organization	Name & Designation
1	NERPC	Sh. B.Lyngkhoi, Member Secretary
2	NERPC	Sh. D.K.Bauri, Director
3	NERPC	Smti. Kanchan Chauhan, Dy.Director
4	NERPC	Sh. Vikash Shankar, Asst. Director
5	NERPC	Sh. Rajnish Kumar, Asst.Director
6	NERPC	Sh. Ashim Goswami, Asst. Director
7	NERLDC	Sh. Somara Lakra, CGM (I/c)
8	NERLDC	Sh. Biswajit Sahu, CGM
9	NERLDC	Sh. Anjan Kumar Pandey, Dy.Mgr
10	NERLDC	Sh. Sunil Singha, Ch.Manager
11	NERLDC	Sh. Paominlal Doungel, AM
12	Ar. Pradesh	Sh. Gayi Yunyo, JE,SLDC
13	Assam	Sh. Chandan Deka, CGM, SLDC,AEGCL
14	Assam	Sh. Dwipen Moral, CGM (Comm.& EE), APDCL
15	Assam	Sh. Arup Kr.Kalita, CGM, AEGCL
16	Assam	Ms. Sushmita Das, JM, SLDC
17	Assam	Sh. Darshan Kr. Das, DM (comml.), APDCL
18	Assam	Sh. Ashim Sutradhar, DM, SLDC, AEGCL
19	Manipur	Sh. L.C. Arun Kumar, JE, MSPCL
20	Manipur	Sh. T.Chipunmi Varenam, JE, MSPCL
21	Meghalaya	Sh. Keshab Pradhan, EE, MePGCL
22	Meghalaya	Sh. N.K.Singh, EE, MePTCL
23	Meghalaya	Sh. Randal Umwi, EE (SLDC), MePTCL
24	Meghalaya	Sh. B. Samiam, EE, SLDC, MePTCL
25	Mizoram	Sh. Vipin Kumar Azad, AE, SLDC
26	Nagaland	Sh. Alex E.Ngullie, JE
27	Tripura	Sh. Swapan Deb Barma, GM (Tech.), TSECL
28	Tripura	Sh. Debabrata Pal, DGM, TSECL

29	Tripura	Sh. Anil Debbarma, AGM,SLDC, TSECL
30	Tripura	Sh. Anwesh Choudhury, Sr.Mgr, TSECL
31	NEEPCO	Sh. Bhaskar Mazumder, DGM (T)
32	PGCIL	Sh. R.Haribabu, DGM
33	PGCIL	Sh. Deep Sarkar, Ch.Manager
34	OTPC	Sh. Soubhik Choudhury, Head-Operation
35	NETC	Sh. Niranjan Rabha, I/c (NETC Guwahati)
36	NETC	Sh. Akash Pandey, Asst.Mgr (Project O&M)
37	NHPC	Sh. Rajesh Joshi, DGM (E)
38	NTPC	Sh. P.K.Sahu, AGM, EEMG
39	INDIGRID	Sh. Abhishek Kukreja, DGM
40	INDIGRID	Sh. Pranav Rathore, AM
41	Resonia Ltd.	Sh.Nitesh Ranjan, VP (O&M)
42	Resonia Ltd.	Sh. Mahesh Bhagat, Ch.Manager (O&M)

Action Taken Report

S. No	OCC Meeting	Agenda Item	Description	Action Point	Responsibility	Timeline	Remarks
1	235	2.2	Resource Adequacy (RA) Assessment for April–June 2026 and Review of Mitigation Measures.	All state to furnish mitigation plan for identified shortages	1. Assam- submitted 2.Manipur-Submitted 3.Meghalya-submitted 4.Mizoram-submitted 5.Tripura-Pending 6.Ar.Pradesh-Pending 7.Nagaland-Pending	28.02.2026	
2	235	2.4	Early energisation of 220 kV Bus–II at Sonabil	AEGCL to expidite the pending work related to energisation of 220 kV Bus–II at Sonabil	AEGCL	Dec-26	
3	235	2.5	Sharing of 1 sec high-resolution data for Subansiri Lower HEP	DAS system to be installed	NHPC	Jun-26	

4	235	2.6	Summer preparedness by NER utilities for reliable power supply	Status of ongoing transmission project: 1.Commissioning of 400/220 kV Rangia substation along with downstream network 2.Early commissioning of 220/132 kV Gossaigaon (Agomoni) substation with associated downstream works 3.Commissioning of the 132 kV Balipara–Misamari D/C 4.Implementation of the 400 kV Sonapur substation and strengthening of downstream corridors 5.Restoration of 132 kV Jiribam-Rengpang line 6.Commissioning of the second circuit of 132 kV Loktak-Ningthoukhong 7.400 kV Imphal–Thoubal Line-I 8.132 kV Churachandpur–Ningthoukhong Line-I	1.AEGCL 2.AEGCL 3.AEGCL 4.AEGCL 5.MSPCL 6.MSPCL 7.MSPCL 8.MSPCL		

5	235	2.8	Non-compliance of First Time Charging (FTC) procedure as per the 189th OCC	TPTL/SLDC Tripura/TSECL to adhere to the FTC Procedure and furnish the pending elements information to NERLDC and NERPC on time bound manner	TSECL		
6	235	2.13	Restoration of tower no. 3 and 12 of LILO of 132kV NirjuliDikrong (Lekhi) Transmission line to Lekhi Substation.	readiness of the LILO portion for charging of the 132 kV Nirjuli–Lekhi line.	DOP ,AP		
7	235	2.17	Termination of temporary 132 KV LILO of 132 KV Mendipathar-Nangalbibra S/C line at 220/132 KV Nangalbibra (ISTS) substation	MePTCL and NBTL to convene bilateral meeting to resolve issue	MePTCL, NBTL		
8	236	2.1	SoP/Guidelines for diversion of RPC approved Spare Transformers and Reactors to	States and Utilities to submit their comments in respect of the SOP	STUs & TSPs	31-Mar-26	

			the constituents / state transmission utilities: NERPC (Ref. from 31st TCC & NERPC)				
9	236	2.2	Implementation of Travelling Wave Fault Locator (TWFL) on critical transmission lines in NER: NERPC (Ref. from 31st TCC & NERPC)	Identification of critical 132kV lines for TWFL installation	NERPC, NERLDC & SLDCs	Before 237th OCCM	For deliberation in 237th OCCM
10	236	2.3	Revise study for implementation of Tripura Islanding Scheme - NERPC (Ref. from 31st TCC & NERPC)	Requisite data to be shared by Tripura as per list of NERLDC that will be shared & NERLDC will conduct revise study	NERLDC, & Tripura	25-03-2026 (Tripura) 06.04.2026 (NERLDC)	NERLDC will conduct study within 10 days after the receipt of data from Tripura

11	236	2.7	Maximizing Generation from Gas-Based Power-NERLDC	Separate meeting to be organized with OTPC & states to discuss blending of gas	NERPC	-	
12	236	2.9	Early commissioning of 2nd circuit of 220 kV Mariani (PG) - Mariani (AS) Line: - NERLDC	1.Financial approval of AEGCL Board pending 2.Charging of Connectors,etc. to be completed by PGCIL	AEGCL & PGCIL	PGCIL-June 2026 AEGCL-	
13	236	2.1	Network Strengthening Requirement for Enhancement of Tripura GNA - NERLDC	i)Commissioning of 132 kV SM Nagar – Monarchak D/C line ii)132 kV SM Nagar – Rokhia D/C line iii)Recondutoring of 132 kV SM Nagar (ISTS) – SM Nagar T/L, Iv)Recondutoring of132 kV SM Nagar (ISTS) – Budhjungnagar T/L v) Recondutoring of 132 kV PK Bari (ISTS) – Manu T/L	Tripura	i) May 26 ii) May 26 iii), iv, v - immediate	

14	236	2.11	TTC/ATC limitation in Mizoram Power system-NERLDC	(i)To establish missing communication link between West Phaileng and Zuangtui (ii) LILO work of the 132 kV Zuangtui–Sihhmui line at Luangmual Substation	Mizoram	ii) March 2026	(i) Tendering is in progress
15	236	2.12	Ensuring Compliance of Commitments Made in Undertakings for Charging/Energisation of Altered Transmission Elements to Avoid Recurrence of Such Situations in Future: NERLDC	OPGW restoration of 24 fibres on the altered 132 kV Jiribam–Loktak transmission line	PGCIL	15-Apr-26	
16	236	2.15	Painting work to restrict the corrosion for the safety & enhancement of life of the towers in 400 kV D/c Silchar-Byrnihat-Azara line traversing through highly	Constitution of committee comprising of members from NERPC, NERLDC, PGCIL, Assam and Meghalaya for physical inspection of tower locations of 400 kV D/C Silchar-Byrnihat-Azara line	NERPC,NERLDC,Assam, Meghalaya & PGCIL	31st March	

			polluted area near Byrnihat - NETC				
17	236	3.1	Mock Black Start of Units in compliance with IEGC -NERLDC	NERLDC to prepare a roster for mock black start exercise by all the generators for the FY:2026-27	NERLDC	-	
18	236	3.2	Mock Testing of System Protection Scheme (SPS) in Assam system for FY 2025-26:- NERLDC	Testing of: a. SPS/MS/001 b. SPS/AS/001 c. SPS/AS/005	Assam	a. completed on 17.03.2026 b &c to be comleted 31.03.2026	b&c. Applied to NERLDC for testing
19	236	3.4	Automatic Demand Management System (ADMS) Healthiness Status in NER Grid-NERLDC	A special meeting to be held between the NER states and M/s Orbit to resolve the matter of AMC for ADMS system.	NERPC		