



सत्यमेव जयते

भारत सरकार Government of India

विद्युत मंत्रालय Ministry of Power

उत्तर पूर्वी क्षेत्रीय विद्युत समिति

North Eastern Regional Power Committee

एन ई आर पी सी कॉम्प्लेक्स, डोंग पारमाओ, लापालाङ, शिल्लोंग-७९३००६, मेघालय
NERPC Complex, Dong Parmaw, Lapalang, Shillong - 793006, Meghalaya



No.: No. NERPC/SE (O)/OCC/2025/2438-2480

September 30, 2025

To
As per list attached

Sub: 230वीं ऑपरेशन समन्वय उप-समिति (ओसीसी) बैठक का कार्यवृत्त / Minutes of 230th Operation Coordination Sub-Committee (OCC) Meeting

महोदय/महोदया,

कृपया 19 सितंबर 2025 को एनईआरपीसी कॉन्फ्रेंस हॉल शिलांग में आयोजित 230वीं ओसीसी बैठक के कार्यवृत्त को अपनी सूचना एवं आवश्यक कार्रवाई हेतु संलग्न पाएं। कार्यवृत्त NERPC की वेबसाइट: www.nerpc.gov.in पर भी उपलब्ध है।

कृपया कोई भी टिप्पणी जल्द से जल्द NERPC सचिवालय को सूचित करें।

Sir/Madam,

Please find enclosed herewith the minutes of the 230th OCC Meeting held at NERPC Conference Hall Shillong on 19th September 2025 for your kind information and necessary action. The minutes is also available on the website of NERPC: www.nerpc.gov.in.

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

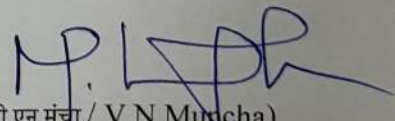
भवदीय / Yours faithfully,


(वी एन मुंचा / V N Muncha)
निदेशक / Director

Encl: As above

Distribution List:

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, Dongtiah-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, Dongtiah, 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


(वी एन मुंचा / V N Murcha)
निदेशक / Director



सत्यमेव जयते

**MINUTES
OF
230th OCC MEETING**

Time: 10:30 Hrs.

Date: 19th September, 2025 (Friday)

Venue: NERPC Conference Hall, Shillong

Contents

1. PART-A: CONFIRMATION OF MINUTES	4
1.1. Confirmation of Minutes of 229 th Meeting of OCC Sub-Committee of NERPC 4	
2. PART-B: ITEMS FOR DISCUSSION	4
AGENDA FROM NERPC.....	4
2.1. Outage planning.....	4
2.2. Measures suggested for Indian Power system, in light of the Spanish Peninsular blackout occurred in April'25	6
AGENDA FROM NERLDC.....	6
2.3. Operational Performance and Grid discipline during August 2025:.....	6
2.4. Early commissioning of 2nd circuit of 220 kV Mariani (PG)–Mariani (AS) Line 7	
2.5. Persistent Over-Drawl by Tripura during Low-Frequency Conditions on 08th & 09th September 2025.....	8
2.6. Regarding non-submission of Demand forecast and Resource Adequacy (RA) data as per IEGC 2023.....	10
2.7. Advisory Regarding secure operation of NER grid during Durga puja 2025 and Diwali 2025	12
2.8. Strict adherence to timeline of First Time Charging Procedure by all the utilities.....	13
2.9. Non-compliance of instructions of NERPC forum -189th OCCM and IECG- 2023 by SLDC Tripura regarding First Time Charging (FTC) of elements under NERPSIP:.....	14
2.10. Status Update on Reliability Issues Discussed in 228th OCC Meeting.....	15
2.11. Operational Planning and Resource Adequacy for October 2025.....	19
2.12. Submission of UFR (or AUFLS) healthiness Testing Reports by Distribution Licensees, STUs, and Bulk Consumers.....	19
2.13. Ensuring Availability & Healthiness of ADMS Scheme in NER States.....	20
2.14. Handholding Initiative by NERLDC for Capacity Building of SLDC Personnel in North Eastern States through Short-Term Exposure Program	22
2.15. Earthquake Event Analysis in NER Grid at 16:41 Hrs on 14.09.2025.....	24
Agenda from NTPC.....	25
2.16. To get support from beneficiaries in Time Blocks where schedule is less than technical minimum	26
Agenda from Powergrid (NERTS).....	27
2.17. SHUTDOWN OF SINGLE MAIN BUS AT 132 KV MELRIAT GIS S/S FOR INSTALLATION AND COMMISIONING OF NEW GIS BAY (BAY 108).....	27
2.18. Installation of PMUs at POWERGRID, Namsai Substation and NEEPCO, Kathalguri and Weather Station at POWERGRID, Namsai-reg	29

2.19. SHUTDOWN OF 400kV MAIN BUS-I&II AND ASSOCIATES 400KV ICT/REACTOR/LINE ELEMENTS FOR STRINGING OF JACK BUS AND STRUNG BUS BY HTLS MOOSE CONDUCTOR IN THE SECTION OF 02 Nos. DIA OF 400KV NEW SILIGURI-I & II BAY (Bay No. 404, 405, 406 and 407,408,409).....	29
Agenda from NERPC	32
2.20. Requirement of study for finalizing the charges for Reactive Power Compensation as per IEGC guidelines for POWERGRID pertaining to 400kV Biswanath Chariali-Ranganadi Ckt 1 & 2 :.....	32
PART-C: METERING ITEMS	35
3.1. Non-Receipt of data from Kolasib Substation:	35
3.2. Issue in SEM data of 132 kV Dharmanagar end of Dullavcherra Feeder: ...	35
3.3. Issue in receipt of data from 132 kV Tipaimukh S/S	36
3.4. Manipur stated that the Laptop Procurement is still in progress and the same will take another month. Forum requested Manipur to expedite the request and provide data to NERLDC at the earliest.Issue in Receipt of Data data from Udaipur S/S: 37	
3.5. Receipt of SEM data from 132 kV Budhjungnagar, 132 kV Ambassa, 132 kV Dharmanagar, 132 kV PK Bari & 132 kV SM Nagar (TSECL) Substations:.....	37
PART-D: ITEMS FOR UPDATE/FOLLOW-UP	39
4.1 Status Update and Revival Plan for Long-Outage NER Generators & Transmission Lines	39
4.2 Implementation/Review of Islanding schemes of NER:.....	41
4.3 Automatic Under Frequency Load shedding (AUFLS) scheme of NER:	45
5.1 Monthly Review of LGBR	47
5.2 Compliance with Annual Measurement of Harmonics, DC Injection, and Flicker as per CEA Regulations.....	48
5.3 Mock Black Start of Units in compliance with IEGC:	50
5.4 Performance of online network estimation tools at RLDC:.....	51
5.5 Re-configuring RTUs of NEEPCO owned stations for reporting to NERLDC Guwahati	53

NORTH EASTERN REGIONAL POWER COMMITTEE

MINUTES OF 230TH OCC MEETING HELD ON 19.09.2025 (FRIDAY) AT 10:30 HRS

The list of participants is attached as annexure I

1. PART-A: CONFIRMATION OF MINUTES

1.1. Confirmation of Minutes of 229th Meeting of OCC Sub-Committee of NERPC

The minutes of 229th meeting of OCC Sub-committee held on 22.08.2025 at NERLDC Conference Hall, Guwahati were circulated vide letter No. NERPC/SE (O)/OCC/2025/ 2040-2082 dated 8th September, 2025.

No comments were received from constituents

Sub-committee confirmed the minutes of 229th OCCM

2. PART-B: ITEMS FOR DISCUSSION

AGENDA FROM NERPC

2.1. Outage planning

I. Generation Planning (ongoing and planned outages)

- a.** In 217th OCCM, NEEPCO informed that they would provide daily inflow data for storage-type Hydro PS. NHPC also agreed to provide inflow data as per the NER operational data format. Based on that data provided from NEEPCO and NHPC present per day MU and projected number of days of operation.

Plants	Reservoir Level in meters (as on 19/09/2025)	MU Content	Present DC (MU)	No of days as per current Generation
Khandong STG II	722.6	177.62	0.64	276
Kopili	606.05	73	4.74	15
Doyang	323.3	34	1.72	20
Loktak	768.35	215	2.47	87

The outage of other generating stations may be approved considering the present water levels in reservoirs. CEA has approved the generation outage plan for FY 2025-26. All the utilities may take note of it and in case of any modification from the Approved Planned Outages, the same may be finalized in consultation with GM Division.

b. Outage Planning of 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.

Utilities have submitted the shutdown proposals for the month of October 2025 for discussion in OCC shutdown discussion meeting. Forum may deliberate upon the shutdown proposals.

Deliberation

The forum deliberated the shutdown proposals for the month of October'25 and approved the same accordingly. The list of approved shutdowns is attached as annexure 2.1.

2.2. Measures suggested for Indian Power system, in light of the Spanish Peninsular blackout occurred in April'25

A meeting was held under the chairmanship of the Secretary (P) on 27.08.2025 to discuss the Spanish Peninsular blackout event wherein some measures were suggested for Indian power system. All the power utilities of NER are requested to comply with and implement the suggested measures. Minutes of the meeting is attached as **annexure 2.2**.

Deliberation

NERLDC briefly highlighted, through presentation (attached as annexure 2.2), the reasons for the blackout and lessons for the Indian grid to avoid such incidents.

NERPC exhorted the Power utilities, SLDCs and STUs to ensure the following-

- i. Enforcement of compliance of RE plants to specified standards/regulations both at intra-state and inter-state level.
- ii. Periodic testing and tuning of controllers as well as model validation of all grid elements as per IEGC 2023
- iii. Planning of dynamic reactive power compensation devices like SynCONs in RE complexes and near major load centers.

Member Secretary NERPC advised all the utilities to ensure and comply all the measures suggested above to avoid similar events in our Grid.

Subcommittee noted as above.

AGENDA FROM NERLDC

2.3. Operational Performance and Grid discipline during August 2025:

NERLDC presented the Operational Performance and Grid Discipline Report for the month of August 2025 (annexure 2.3).

2.4. Early commissioning of 2nd circuit of 220 kV Mariani (PG)–Mariani (AS) Line

On 19th August 2025, 220 kV Mariani (PG) – Mariani (AS) Transmission Line recorded a loading of 233 MW. The said 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 (NTPS, LRPP and NRPP plants) 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 DC line, thereby adversely affecting the reliability of power supply to the capital city of Assam.

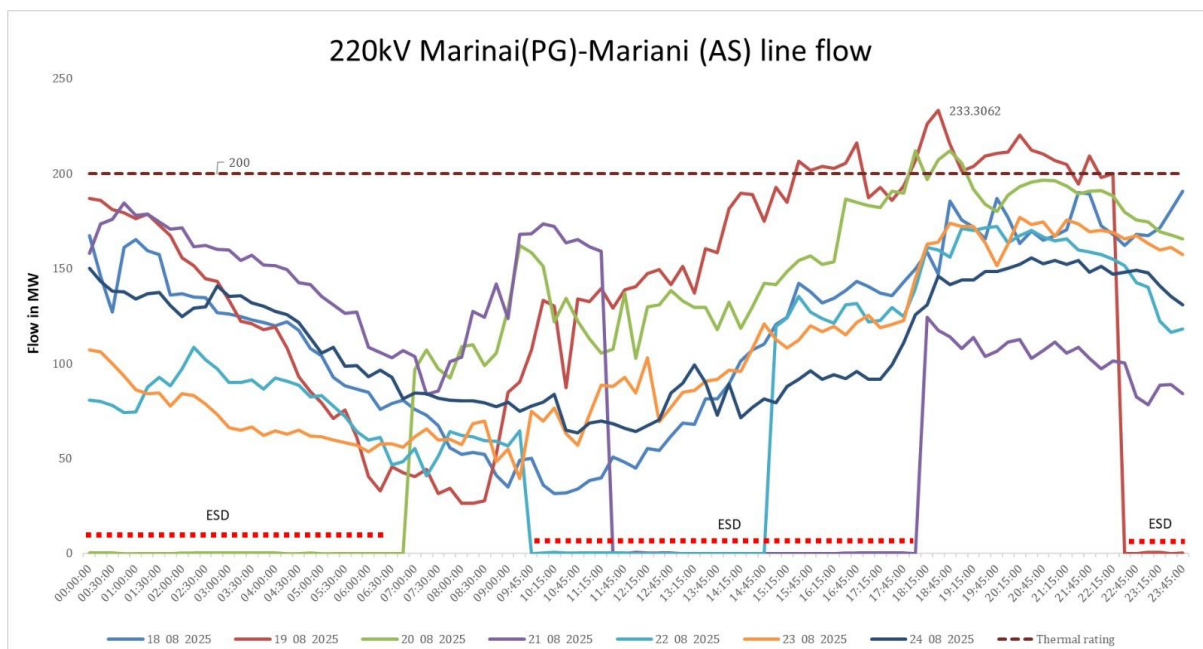


Fig: Power flow through 220 kV Mariani (PG) – Mariani (AS) line

With the availability of the 400 kV Mariani (PG) system, additional power import into Upper Assam is expected during high demand scenarios or low

generation within Upper Assam system. Therefore, strengthening of the 220 kV Mariani corridor has become imperative to ensure a reliable and secure power supply to the Assam power system.

In view of the above, and to keep Assam system secure and reliable, following measures are required to be taken on urgent basis:

1. Internal generation of Upper Assam (NTPS, LRPP and NRPP plants) to be maximized in order to meet high demand period of Assam
2. Early commissioning of the second circuit of the 220 kV Mariani (PG) – Mariani (AS) Transmission Line by AEGCL.
3. Bay upgradation of 220 kV Mariani (PG) – Mariani (AS) Transmission Line at Mariani (AS) – Shall be done by PGCIL

Prompt intervention in this matter will be instrumental in safeguarding the reliability and security of NER grid.

Deliberation

AEGCL informed, regarding the second circuit of 220kV Mariani (PG)-Mariani (AS) line, that survey has been done and some modifications are required to be done in the LILO portion.

Forum advised PowerGrid to explore the option for completion of work on deposit basis and Assam to assist PGCIL on ROW matter. Powergrid assured to upgrade the bay equipment's at Marinai(AS) end shortly.

2.5. Persistent Over-Drawl by Tripura during Low-Frequency Conditions on 08th & 09th September 2025

Indian electricity grid experienced low-frequency scenarios on 08th Sept.2025 and 09th Sept. 2025, particularly during the evening peak hours. Frequency trends for these two days are attached in **Annexure-2.5.1**. From the frequency trends, it can be seen that the grid frequency remained below the IEGC band for prolonged periods during the evening peak hours. The minimum frequency recorded on 08th Sept. and 09th Sept. 2025 are 49.43 Hz at 19:14 hrs and 49.41 Hz at 18:56 hrs respectively.

During the low-frequency period, Tripura was overdrawing to the tune of 40MW consistently (**Annexure-2.5.2**), in spite of repeated instructions issued by GRID-INDIA, NERLDC Control Room to adhere to drawl schedule and support frequency recovery. Such sustained over-drawl during low frequency conditions severely undermines grid stability/ jeopardizes real-time operations and is in violation of IEGC regulations.

The matter regarding over-drawl by Tripura was deliberated under Item No. 2.10 of the 226th OCCM held on 20th May 2025, wherein Tripura was advised to refrain from over-drawl during low frequency conditions.

It is observed that Tripura is heavily reliant on the Real-Time Market (RTM) to meet its demand. As per the report submitted by Member (Technical), CERC to the Hon'ble Commission in compliance with the CERC Suo-Moto Order 9/SM/2024, SLDCs were advised to proactively plan their power procurement in advance to reduce dependency on the Day- Ahead Market (DAM) and Real-Time Market (RTM), as these markets do not guarantee assured power availability.

Based on the quantum of reserves (50MW) as calculated by NLDC, Tripura at present is not having sufficient reserves to reduce the Area Control Error/overdrawal during the prolonged low-frequency scenario. In 29th TCC/RPC meeting (Agenda Item No. 2.4), it was highlighted that quantum of reserve requirements can be reduced if states strictly adhere to scheduled draws. Continued over-draw from grid will lead to increased requirement of reserves in future.

SLDC Tripura is requested to maintain drawl as per schedule and adhere strictly to the instructions issued by NERLDC

Deliberation

Tripura representative was absent. NERLDC briefed the agenda item and also highlighted that the reserve requirement is determined based on the Area Control Error (ACE), which is derived from the deviation from schedule of the state. A higher deviation leads to a higher reserve requirement, which the state must maintain to support frequency control.

After detail deliberation, Forum warned Tripura to refrain from such practice of persistent overdrawl during low frequency scenario, overlooking the instructions issued by Grid India(NERLDC) control room, which may jeopardise the grid.

It was also advised to Tripura to carry out the resource adequacy planning in advance and minimize dependency on DAM/RTM.

2.6. Regarding non-submission of Demand forecast and Resource Adequacy (RA) data as per IEGC 2023

IEGC 2023 mandated that each SLDC and such other entities (like bulk consumers) which are directly connected to ISTS will carry out the demand estimation for both active and reactive power (as per clause 31.2(a), 31.2(b), 31.2(f)) along with the generation capacity availability (as per clause 31.4(b)) for meeting the projected demand and submit the same to respective RLDC for regional level forecast by method of aggregation, each RLDC would further furnish the regional level as well as state level forecast data to NLDC for computation for all India level demand and generation estimation (as per clause 31.2(g)).

The timeline for submitting these data to RLDC/NLDC would be as given in Table-I (as per IEGC clause 31.2(h)).

Table-I: Timeline for Demand Estimation

Daily demand estimation	10:00 hours of previous day
Weekly demand estimation (Monday to Sunday)	First working day of previous week
Monthly demand estimation	Fifth day of previous month

Yearly demand estimation	30th September of the previous year
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In view of the above, it has been observed that Demand estimation and RA data is not being submitted regularly/ in prescribed format for month of August and September 2025. The status of submission is shown in the table below:

	Day-Ahead Demand Forecast	Week Ahead Demand Forecast							Month Ahead Demand Forecast		Year Ahead Demand Forecast for 2026-27
		Wk 18	Wk 19	Wk 20	Wk 21	Wk 22	Wk 23	Wk 24	Sep-25	Oct-25	
AP											
Assam											
Manipur											
Meghalaya											
Mizoram											
Nagaland											
Tripura											

Not in prescribed format
Data not submitted
Data Submitted

To facilitate effective operational planning, forecast and Resource adequacy data is essential. Hence, all SLDCs are requested to submit the required forecast data as per formats mentioned in NER operating Procedure 2025 and IEGC timeline mentioned above regularly.

Deliberation

Forum exhorted Tripura and Ar. Pradesh to submit the Week ahead, Month ahead data timely and regularly.

Further the forum requested all the states to provide the Year ahead demand data timely to NERLDC/NERPC.

2.7. Advisory Regarding secure operation of NER grid during Durga puja 2025 and Diwali 2025

In order to ensure smooth and reliable power system operation during the upcoming festive season — Durga Puja 2025 (28th September to 2nd October 2025) and Diwali 2025 (20th & 21st October 2025) — all constituents are requested to kindly adhere to the following measures:

1. Constituents must strictly adhere to their respective schedules from the grid at any point in time.
2. Take extra measures for proper forecasting of demand and ensure sufficient spinning reserves are maintained to meet any grid contingencies. Any revision in forecasts is to be intimated to NERLDC.
3. State generation resources should be aligned with demand and spinning reserve requirements.
4. Generators are to follow their respective schedules strictly and avoid under-injection into the grid.
5. All generating station, substations, SLDCs in the respective control areas may be sensitised for deployment of extra trained manpower, ready availability of restoration documents/ procedures etc.
6. Ensure healthiness of protection schemes, defense mechanisms (UFR, SPS, ADMS), telemetry, voice communications, DG sets for black start capabilities etc.
7. In case of high/low voltages in the system, generating units shall absorb/inject adequate reactive power to control high/low voltage. Reactors and capacitor banks to be maintained in healthy condition for switching on/off as per the requirement.
8. In case of skewed power flows, line loading to be always maintained within safe limits. Considerable margins to keep in the network for safe operation.

9. Avoid any planned outages of critical transmission elements and generating units during the festive period unless unavoidable.

In addition, all SLDCs are requested to provide respective demand forecast for the festive period such that resource adequacy assessment can be done by NERLDC and further shared with respective SLDC.

All constituents' active cooperation is solicited to maintain grid parameters within IEGC limits and to ensure safe, secure, and reliable operation of the NER Grid during the festive season.

Deliberation

Forum requested all the utilities to follow the measures as enumerated above to ensure safe, secure, and reliable operation of the NER Grid during the festive season.

2.8. Strict adherence to timeline of First Time Charging Procedure by all the utilities

As per the FTC procedure, all the Transmission Licensees including deemed transmission licensees or cross-border entity (Indian side) intending to energize a new or modified power system elements, which is part of interstate transmission system, shall intimate the concerned RLDC the details as per the formats, at least (10) days prior to the anticipated date of first time charging. However, it has been observed that some utilities are submitting requests to charge the elements without adhering to this timeline, which creates challenges in proper checking and validation.

Additionally, the whitelisting process for the First Time Charging (FTC) portal at NERLDC is being implemented to restrict access to only the concerned utilities, as part of efforts to mitigate cyber threats and enhance cyber resilience.

Therefore, it is requested to strictly follow the timeline as per FTC procedure to ensure the smooth and reliable integration of new or modified power system elements.

Deliberation

Forum requested all the utilities to follow the timeline of FTC procedure strictly.

2.9. Non-compliance of instructions of NERPC forum -189th OCCM and IECG-2023 by SLDC Tripura regarding First Time Charging (FTC) of elements under NERPSIP:

In 229th NETeST meeting, NERLDC informed that as per the minutes of Special Review meeting regarding implementation of NERPSIP/Comprehensive Scheme held on 02nd May 2025, NERPSIP-Tripura declared that out of 151 elements, 107 elements have been commissioned. Further, as decided in 189th OCCM of NERPC, NERPC instructed all SLDCs to submit documents pertaining to FTC to NERLDC before commissioning of any element under NERPSIP. However, even after commissioning of 107 elements under NERPSIP-Tripura, there is no information available with NERLDC, which is resulting in mismatch between SCADA database of NERLDC and SLDC Tripura. The minutes of special review meeting and 189th OCCM are attached as **Annexure -2.9.1** for reference.

SLDC Tripura was advised by the forum to submit all the documents as per the FTC procedure before the 230th OCCM.

Further NERLDC would like raise the concern regarding the charging of Deemed ISTS elements: LILO of 132 kV PK Bari – Ambassa at Manu and 132 kV Manu S/s on Sep'24 and Jul'25 respectively. The information is collected from CEA Monthly Progress Report on Central Funded Schemes (July 2025) attached as **Annexure-2.9.2** which is clear violation of IEGC-2023. regulations as mentioned below:

- **Regulation 8 (Procedure for Connection):** FTC documentation and compliance with connection requirements to be ensured prior to energisation.

- **Regulation 11 (Data and Communication Facilities):** Reliable communication and data exchange to be maintained in line with CERC/CEA standards. The present SCADA mismatches indicate non-compliance.
- **Regulation 14 (Protection Code):** Protection settings to be submitted to RPC, duly approved, and coordinated. Any changes are to be intimated within a fortnight.

SLDC Tripura and TPTL are requested to justify the non-compliance as mentioned above.

SLDC Tripura may update on the status of submission of FTC documents as advised in 229th OCCM.

Deliberation

Tripura absent in the meeting.

The Forum advised SLDC **Tripura** to refrain from violations of the provisions of the IEGC and follow the FTC procedure for safety, security, and reliability of the grid.

Further, the Forum directed SLDC Tripura to furnish all First Time Charging (FTC) **related documents** as well as the protection settings of the charged elements to **NERLDC** and **NERPC** respectively, at the earliest, without any delay.

MS NERPC stated that a letter will be written from NERPC secretariat to MD, TSECL highlighting the issue and also the matter will be raised in the upcoming NERPC meeting.

2.10. Status Update on Reliability Issues Discussed in 228th OCC Meeting

Multiple reliability issues were raised during the 228th OCC meeting. To improve the reliability of the power system in the North Eastern Region, it is essential to track the current status of the works being undertaken at the sites. It is therefore requested that the present status of the following works be provided by the utilities so that the agreed timelines may be adhered to.

Sl. No	Agenda	Owner	Deliberation in 228th OCC meeting	Present status (230 th OCCM)
1	Delay in Commissioning of 400 kV Transfer Bus at Kameng HEP	NEEPCO	NEEPCO informed that the transfer Bus has not been operational since the CoD of the station due to disagreement with the OEM (BHEL) on the design related matter. He added that BHEL has recently agreed on the design as proposed by NEEPCO and the work will start shortly. Further he informed that the work will tentatively be completed by March'26.	Work in progress, target date remains same
2	Early Restoration of Phase-B Isolator of 400 kV Balipara-Kameng-1 Line at 400kV Kameng Bus	NEEPCO	NEEPCO informed that the phase B isolator of the Balipara-Kameng I line has got burnt and its replacement requires shutdown of both the 400kV buses as working with outage of only one poses safety risk to workmen. The NERLDC stated that the current scheme at the 400 kV bus of Kameng HEP is a Double Main Bus scheme. This configuration enables maintenance activities on isolators to be performed without any power interruptions. The forum acknowledged this and requested NEEPCO to reassess the restoration	Work in progress

Sl. No	Agenda	Owner	Deliberation in 228th OCC meeting	Present status (230 th OCCM)
			work and plan the shutdown accordingly.	
3	Opening of dia at 400kV Palatana substation during unit shutdown	OTPC L	OTPC informed that Dia and main CBs are kept open due to safety reason. NERLDC highlighted that this could affect the reliability of the Bus switching scheme. Forum opined that opening of isolator and switching on the earth switch should ensure sufficient safeguard for maintenance work and opening the main and Ties CBs are not required. Forum requested OTPC to connect the tie and Main Bay so that advantage of one and a half switching scheme is ensured for reliable and secure grid operation. OTPC representative stated that the matter will be first discussed internally and accordingly a response will be provided to the forum within week.	OTPC informed that that dia is kept open due to safety reason. Forum noted that the if the work is in ICT/GT or closer to it then keep open otherwise keep it closed. PGCIL suggested Jumpers may be

Sl. No	Agenda	Owner	Deliberation in 228th OCC meeting	Present status (230 th OCCM)
				kept open to ensure double safety. Forum agreed to the suggestion of PGCIL and instructed OTPC to follow the same
4	Operation of 400 kV Switchyard on Single Bus mode since commissioning at Panyor Lower HEP (PLHEP)	NEEP CO	NEEPCO informed that the work is expected to be completed by Nov'25.	WIP, target is Dec'25
	Urgent Review of Online Element	NEEP CO	NEEPCO informed that budgetary offer has not been received yet; tentative completion target is June'26.	Done for two lines, for the rest,

Sl. No	Agenda	Owner	Deliberation in 228th OCC meeting	Present status (230th OCCM)
	Transfer at 132 kV PLHPS			to be done by June'26

Deliberation

Utilities updated the status as mentioned in the table above

2.11. Operational Planning and Resource Adequacy for October 2025

The Operational Planning and Resource Adequacy assessment for October 2025 will be presented in the meeting 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

The Forum noted that Tripura may face a short-term power supply shortage and urged the state to arrange power from surplus states, rather than relying solely on DAM and RTM to meet the shortfall. Report attached in **Annexure 2.11.**

2.12. Submission of UFR (or AUFLS) healthiness Testing Reports by Distribution Licensees, STUs, and Bulk Consumers

In recent days, the Indian Grid has witnessed frequent low-frequency occurrences, with frequency dipping close to UFR Stage-1 (49.4 Hz). As per the provisions of Chapter 6 (Operating Code) of the IEGC'23, it is mandatory for all Distribution Licensees, STUs, and Bulk Consumers to install and maintain UFRs/df-dt relays in their systems as per the plan finalized by NERPC.

Regulatory Provisions in IEGC-2023:

- Automatic UFRs and df/dt relays shall be provided to arrest frequency decline that could otherwise lead to grid failure.
- The under-frequency and df/dt load shedding relays are always functional.
- Demand disconnection shall not be set with any time delay in addition to the operating time of the relays and circuit breakers.
- Default UFR settings: Stage-1 at 49.40 Hz, Stage-2 at 49.20 Hz, Stage-3 at 49.00 Hz, Stage-4 at 48.80 Hz.
- SLDC shall report the actual operation of UFR and df/dt schemes and load relief to the concerned RLDCs and RPCs and publish the monthly report on its website.
- RPC to carry out monthly review and random inspection of UFR & df/dt relays, and publish review reports.

Since df/dt scheme has not yet been implemented in the NER grid, the UFR scheme remains the only defence mechanism currently available to arrest extreme low-frequency conditions in the Grid.

Accordingly, all concerned SLDCs are requested to coordinate within their States and furnish the stage-wise UFR testing reports to the NERPC Secretariat and NERLDC. This is essential to ensure the continued effectiveness and reliability of the existing defence mechanism in NER.

Deliberation

Forum exhorted the DISCOMS, STUs and Bulk consumers to conduct regular testing of the UFRs and submit the reports to NERPC and NERLDC at the earliest.

2.13. Ensuring Availability & Healthiness of ADMS Scheme in NER States

Status of ADMS Installation and Functionality

(As deliberated in the 222nd OCC meeting dated 17.01.2025)

Name of the Utility	SAT Completion	DoCO Status
DoP Arunachal Pradesh	27-01-2021	Enabled & in operation
AEGCL/APDCL	07-12-2020	Enabled & in operation
MSPCL	24-11-2020	Enabled & in operation
MePTCL/MePDCL	31-08-2020	Enabled & in operation
P&ED Mizoram	22-02-2021	Enabled & in operation
DoP Nagaland	17-11-2020	Enabled & in operation
TSECL	24-12-2020	Enabled for two substations; yet to be enabled for three substations

Status of ADMS Operations during Low Frequency Scenario (8th & 9th September 2025)

During the recent frequency excursion near the UFR stage (49.41 Hz), inputs were gathered through verbal communication from Tripura, Arunachal Pradesh, Manipur & Nagaland SLDC's and through email communication from Assam, Meghalaya, and Mizoram SLDC's regarding operation status of ADMS:

- **Assam, Meghalaya, Arunachal Pradesh, and Mizoram:** No ADMS operations were recorded due to under-drawl during the low-frequency period.
- **Tripura:** ADMS remained non-operational due to communication issues.
- **Manipur & Nagaland:** ADMS remained non-operational as AMC has expired.

Hence, the following utilities are requested to provide updates:

- Tripura, Manipur, and Nagaland: Restoration of ADMS functionality.
- Manipur & Nagaland: Timeline for AMC renewal.
- Tripura: Status of enabling ADMS in the remaining substations.
- All states: Confirmation of ADMS healthiness checks and action plan for reliable operation during future low-frequency events.

Deliberation

Forum requested Manipur and Nagaland to expedite the AMC of the ADMS. Forum urged Tripura to complete the installation of AMDS and ensure its functionality wherever commissioned.

2.14. Handholding Initiative by NERLDC for Capacity Building of SLDC Personnel in North Eastern States through Short-Term Exposure Program

Pursuant to deliberations under Agenda Item 2.4 of the 28th TCC Meeting of NERPC, and in consonance with the Workforce Adequacy Guidelines for Load Despatch Centres as well as the **Short-Term Exposure Program Guidelines of the Ministry of Power (MoP)**, NERLDC, has already facilitated short-term exchange programs, during which 47 executives from various SLDCs were hosted at NERLDC for hands-on exposure. Building upon this encouraging engagement and with a view to institutionalizing the process, NERLDC now proposes to operationalize a comprehensive and structured Handholding Initiative for the State Load Despatch Centres (SLDCs) of the North Eastern Region.

The North Eastern States present unique operational complexities, stemming from their geographical and infrastructural context. These include a hydro-dominated generation portfolio with sharp seasonal variation, transmission corridors with limited redundancy, heightened exposure to natural calamities such as cyclones, landslides and floods, and the emerging challenge of integrating large hydro resources. In addition, several SLDCs in the region

remain institutionally evolving, often constrained by limited manpower, inadequate exposure, and modest technological depth compared to their counterparts elsewhere. These structural constraints underscore the imperative for targeted, sustained, and collaborative capacity-building interventions.

Within this framework, the envisaged Handholding Vis-à-vis Short-Term Exposure Program shall be anchored through the constitution of dedicated groups of NERLDC executives, each aligned with a designated SLDC. These executives will undertake periodic engagements and visits to the respective SLDCs to gain a first-hand appreciation of their operational realities, identify specific challenges, and deliver customized training interventions and workshops at the SLDC level. This field-level engagement will be strategically reinforced through a parallel track of structured immersion at NERLDC, wherein nominated SLDC personnel will participate in further training / workshops, hands on exercises and guided mentorship.

This dual-channel architecture—combining localized handholding at SLDC premises with centralized immersion at the Regional Load Despatch Centre—is designed to create a comprehensive, practice-oriented learning ecosystem that simultaneously enhances individual competencies and fortifies institutional capacity across the North Eastern States.

The Hand Holding Program objectives, in alignment with MoP guidelines, are to:

- Foster collaboration, cooperation, and communication between Regional and State Load Despatch Centres;
- Promote functional cohesion and harmonization in grid operations;
- Encourage peer-to-peer learning and structured professional exchange;
- Facilitate the sharing of best practices in scheduling, settlement, contingency management, restoration, and cyber-security preparedness;

- Build operational cohesion in system restoration and emergency response protocols
- Strengthen capacity in forecasting, resource adequacy studies, optimization studies and emerging technologies;
- Ensure enhanced hands-on exposure and operational readiness of system operators.

This initiative, steered under the overarching mandate of Grid India, aspires to create a durable knowledge-sharing ecosystem and secure improvements in the preparedness and functional effectiveness of SLDCs. By embedding regulatory expectations into structured handholding, the program seeks to harmonize operational practices and augment the resilience of the North Eastern power system, in alignment with national objectives of secure and reliable grid management.

Submitted for consideration and appropriate decision, please.

Deliberation

CGM(I/C) NERLDC informed that the dedicated teams for each SLDCs will be constituted which will take periodic visits to the SLDCs and provide continuous handholding to the SLDCs.

Forum appreciated NERLDC for their initiative and urged states to actively engage with NERLDC teams to ensure capacity building.

2.15. Earthquake Event Analysis in NER Grid at 16:41 Hrs on 14.09.2025

Due the earthquake on 14.09.2025 at 16:41, NER Demand met reduced from 2579 MW to 1961 MW within 3 minutes (total reduction in load-618 MW). No significant impact on generation side was observed and reported.

Details of Earthquake Parameters are as follows:

Magnitude: 5.8, Date: 14/09/2025, Time: 16:41:30 IST, Latitude: 26.78 N, Longitude: 92.33 E, Depth: 5 Km, Region: Udalguri, Assam

Following were observed through SCADA Telemetry during the event:

- The total load reduction in the NER was 618 MW.
- The major load reduction occurred in the Assam (518 MW) power system, while partial load reductions were observed in Meghalaya(44MW) and Arunachal Pradesh (7 MW).
- No visible load reduction was reported in Manipur, Nagaland, Tripura, and Mizoram.
- At 16:47 Hrs, the 132 kV Balipara–Kameng line was manually tripped from Balipara end, following heavy sparking in the R-phase line isolator at Balipara end due to earth quake.
- As reported by SLDC, load loss was reported only at the 33 kV level and below. No load loss occurred at 132 kV and above.

The Forum is requested to direct the utilities to provide details of nature of switching during the transient period that led to the majority of load loss in the Assam Power System, and to define the Standard Operating Procedures (SOP) to be adopted at the Discom level during such Acts of God event (e.g., earthquake, cyclone, etc.) in order to enhance system resilience.

Deliberation

Forum enquired Assam regarding the load crash during the event. SLDC Assam replied that majority of the load shedding occurred at the DISCOM level, for which details have not yet been shared by DISCOM. Further SLDC informed that a meeting will be held shortly with DISCOMs to draft a SOP for disconnecting loads during such events.

Forum requested Assam to prepare the SoP at the earliest and share with NERPC and NERLDC

Additional agenda items

[Agenda from NTPC](#)

2.16. To get support from beneficiaries in Time Blocks where schedule is less than technical minimum

Brief Description:

NTPC informed that NTPC Bongaigaon is getting schedule less than Technical Minimum Level in off Peak Hours (specifically during daytime). However, the station is getting schedule up to technical minimum or above during peak hours.

Due to less than technical minimum schedule NTPC Bongaigaon is facing lot of operational challenges and sometimes due to schedule variation it becomes difficult even to meet peak hour schedule also and incurring huge DSM loss due to schedule less than Technical Minimum.

As per IEGC amendment dated 23rd Oct 2024- Regulation 49 clause v(a) quoted below:

“In case a regional entity generating station, whose tariff is determined under Section 62 of the Act, gets a schedule below minimum turndown level for Off-Peak hours of the day, however, gets a schedule above minimum turndown level for Peak hours of the day, where Peak hours and Off-Peak hours shall be as declared by the concerned RLDC under the Tariff Regulations, the schedule below the minimum turndown level may, on the request by such generating station to NLDC shall be adjusted under SCED”

As per the above clause NTPC Bongaigaon gives prior information and submits other forms i.e. Form 1, Form-2 etc through mail to all regulating authorities i.e. NRLDC, NERLDC and all SLDCs; well in advance, on D-1 day.

NTPC Bongaigaon is also communicating and doing follow ups on continuous basis, with all the beneficiaries.

However, except from Assam SLDC, NTPC Bongaigaon is not getting much support from other beneficiaries or under SCED.

REQUEST:

It is requested to all beneficiaries to give at least technical minimum schedule during off peak hours. It will help station to overcome operational challenges and give proper support to beneficiaries during peak hours.

Deliberation

OTPC Palatana also raised the same concern.

MS NERPC urged all the beneficiaries to give technical minimum schedules during off-peak hours.

Agenda from Powergrid (NERTS)

2.17. SHUTDOWN OF SINGLE MAIN BUS AT 132 KV MELRIAT GIS S/S FOR INSTALLATION AND COMMISSIONING OF NEW GIS BAY (BAY 108)

Re-conductoring of existing 132KV Melriat (POWERGRID)-Zemabawk (Mizoram) with HTLS conductor of higher ampacity and commissioning of new GIS Bay (of extended current rating) is under advanced stage of completion under NERES XVIII project. For integration of the New GIS Bay to the existing GIS Single Main Bus, shutdown of existing 132KV GIS Main Bus at Melriat S/s is required as given below:

Sl.No	Detailed Work	Duration
Phase 1	Installation of Interface Module connecting existing GIS Main Bus to facilitate erection of new GIS Bay involving the following: <ul style="list-style-type: none"> • Recovery of SF6 gas from existing Main Bus. • Installation of Interface Module. • Vacuum processing followed by filling of gas in existing as well as new Bus modules. • Settling and Testing. 	7(seven) days (continuous)
Phase 2	HV Test of new Bay module involving the following:	

	<ul style="list-style-type: none"> • Earthing of existing Main Bus for enabling HV Test of new Bay module. • IR, HV & PD measurement of new Bay Module. • After successful completion of HV Test, recovery of SF6 gas from existing and extended Main Bus. • Connection of Interface Link between existing Main Bus and Extended Bus. • Vacuum processing followed by filling of gas in existing as well as new Bus modules. • Settling and Testing. • Completion of termination of Busbar wiring from each Bay Relay Panel to new Busbar Protection Panel. • Scheme checking and Busbar Stability. • Busbar Protection Testing. 	10 (Ten) Days(continuous)
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During the proposed shutdown of Main Bus at Melriat, the following interim arrangement is proposed for maintaining continuity of power flow to Shimmui and Zemabawk Substations.

1. Providing a direct connection between 132KV D/C Silchar-Melriat line to 132KV Shimmui S/s.
2. Providing a direct connection between 132KV Aizawl Substation to 132KV Zemabawk Substation.

The above arrangement shall only be an interim arrangement only during the period of shutdown of Main Bus at Melriat. Required modifications in relay settings at Silchar , Aizawl and Shimmui end shall be necessitated.

Shutdown shall be applied by POWERGRID on D-3/D-5 basis.

Deliberation

Forum requested NERLDC to carry out the system study for the proposed shutdown.

2.18. Installation of PMUs at POWERGRID, Namsai Substation and NEEPCO, Kathalguri and Weather Station at POWERGRID, Namsai-reg

The following requirements were informed to POWERGRID by NERLDC at the time of commissioning of 220KV D/C Kathalguri-Namsai Transmission System. The current status is as given below:

- 1) PMUs at Namsai and Kathalguri end: POWERGRID had placed the order on M/s Siemens. The said item has been imported and is currently under inspection at works of M/s Siemens. The PMUs are expected to be delivered at site by end September'2025. Accordingly, installation and commissioning shall be completed by October'2025 by availing required shutdown.
- 2) Weather Station at Namsai: 1 No. of Weather Station of M/s Synergy Make was installed in 220kV Namsai S/s on 11.06.2025. However, integration with SCADA was not successful. Therefore, procurement of new weather station has been initiated and same is under tendering. Installation & commissioning along with SCADA integration of the new Weather Station is expected to be completed by 30.11.2025.

Forum noted as above.

2.19. SHUTDOWN OF 400kV MAIN BUS-I&II AND ASSOCIATES 400KV ICT/REAATOR/LINE ELEMENTS FOR STRINGING OF JACK BUS AND STRUNG BUS BY HTLS MOOSE CONDUCTOR IN THE SECTION OF 02 Nos. DIA OF 400kV NEW SILIGURI-I & II BAY (Bay No. 404, 405, 406 and 407,408,409).

Replacement of Jack & Strung Bus by Twin HTLS Moose conductor in the section of 02 nos. 400kV Dia of New Siliguri-I&II (Bay No. 404, 405, 406 and 407,408,409) for higher ampacity to cope up power flow in Siliguri-I&II against Substation Package SS-76 under NERSS-XII project. It may kindly be

noted that re-conductoring of HTLS Twin Moose conductor in double circuit line of 400kV Siliguri-I&II has already been completed. Therefore, re-conductoring in Jack & Strung Bus by Twin HTLS moose conductor is required urgently. The following shutdown is required as given below:

SN	Name of the Element	Bay No.	Duration	Remarks
Part:A::Replacement of Jack & Strung Bus by Twin HTLS Moose conductor in the section of DIA 315MVA ICT-1(404) & 400kV New Siliguri-I(406).				
1	400kV Bus-2		08:00hrs to 15:00 hrs.	For Bus-2 sectionalization to facilitate Jack & Strung Bus stringing work. During the shutdown all the elements to be shifted on Bus-1. Bus sectionalization will continue till completion of jack/strung bus stringing work of 407 & 409.
2	400kV Bus-1		08:00 hrs to 15:00 hrs.	For Bus-1 sectionalization to facilitate Jack & Strung Bus stringing work. During the shutdown all the elements to be shifted on Bus-2. Bus sectionalization will continue till completion of jack/strung bus stringing work of 407 & 409.
3	125MVAr Bus Reactor-5		08:00 hrs to 16:00 hrs.	CSD till completion of jack & strung bus stringing. (5 to 6 days)
4	315MVA, 400/220kV ICT-2		08:00 hrs to 16:00 hrs.	CSD till completion of jack & strung bus stringing.(5 to 6 days)
5	315MVA, 400/220kV ICT-1		08:00 hrs to	CSD to facilitate work. 220kV GIS will be charged from Salakati S/S through Salakati-I & II line. ICT will be charged

				ideally from 220kV side for availing tertiary power to S/S. 400kV ICT-1 isolator shall be opened. .(5 to 6 days)
6	400kV New Siliguri-I		08:00 hrs to 16:00 hrs.	CSD to facilitate jack & strung bus stringing. .(5 to 6 days)
7	Main Bay of 400kV New Siliguri-II	407 bay	08:00 hrs to 16:00 hrs.	407 Main Bay Shutdown required for Safe working clearance. Line will be charged through Tie (Bay No. 408). 407 Bay can be charged during night hours (no man at work. (2 to 3 days)
				After completion of work, 400kV New Siliguri line-1 can be charged along with ICT-1, ICT-2 and BR-5 through sectionalized portion. Before charging the Bus-Bar protection-I & II shall be kept out of service till restoration of bus sectionalization.

Part:B::Replacement of Jack & Strung Bus by Twin HTLS Moose conductor in the section of DIA 400kV New Siliguri-II (407) & Bus Reactor-1(409).

1	400kV Bus-1		08:00 hrs to 16:00 hrs	For Bus-1 sectionalizer to facilitate Jack & Strung Bus stringing work.
2	400kV Bus-2		08:00 hrs to 16:00 hrs.	For Bus-2 sectionalizer to facilitate Jack & Strung Bus stringing work. Bus-2 CVT will fall under sectionlizer position and same need to be kept out. Bus-1 CVT secondary voltage will be extended to enable protection and metering purpose.

3	50MVA BR-1	409	08:00 hrs to 16:00 hrs.	CSD to facilitate jack & strung bus stringing. (5 to 6 days)
4	400kV New Siliguri-II	407	08:00 hrs to 16:00 hrs.	CSD to facilitate jack & strung bus stringing. (5 to 6 days)
5	400kV Bus-1		08:00 hrs to 16:00 hrs.	For restoration of complete sectionalized portion.
6	400kV Bus-2		08:00 hrs to 16:00 hrs.	For restoration of complete sectionalized portion.

The above shutdowns were applied in 229th OCC for the month of September and same are deferred, hence above Shutdowns are requested to consider for the month of November/December-2025.

Deliberation

Forum requested NERLDC to carry out the system study for the proposed shutdown.

[Agenda from NERPC](#)

2.20. Requirement of study for finalizing the charges for Reactive Power Compensation as per IEGC guidelines for POWERGRID pertaining to 400kV Biswanath Chariali-Ranganadi Ckt 1 & 2 :

The agenda was originally put by PowerGrid in 229th OCCM (agenda 2.15).

Original agenda-

“As per IEGC guideline, provisional Reactive Energy Account under ABT regime is maintained & finalized based on SEM meter data. Based on the guidelines, the ISTS entity is supposed to pay for MVAR injection when the voltage is more than 103%.

For 400kV Biswanath-Chariali-Ranganadi Ckt 1&2 (line length of 130 km) owned by POWERGRID, there has been frequent instances, wherein it has been observed based on SEM meter readings that VAR injection to the grid has been recorded when the voltage is more than 103%.

From the site level recorded data & PMU plots, it has been observed that on the subject dates when VAR injection to the grid was recorded when the voltage is more than 103%, the MW power flow in the above stated lines fell to zero & MVAR injection increased correspondingly in the above feeders including voltage rise. Hence, it is perceived that the MVAR injection into the grid when the voltage is more than 103% can be attributed to the fact that for the subject lines which remained connected at both ends without any MW flow in the lines, the MVAR was injected for the shunt capacitances formed in the idly connected line.

Hence, the above MVAR injection can be attributed only due to the real time grid conditions & POWERGRID should not be penalized. If there is no MW power flow in the line, the feeder maybe disconnected in future to avoid reactive power charges on POWERGRID.

Therefore, it is to bring to the notice of the forum that reactive power compensation charges maybe implied on POWERGRID based on detailed study on the cause of the MVAR injection. If MVAR injection is due to idly connected feeder, then penalty for such scenario should not be implied on POWERGRID. Also, a detailed mechanism needs to be developed to identify such scenarios & waive off the penalty charges based on findings.”

In 229th OCCM, the forum decided that the matter to be discussed in detail in a separate meeting with commercial teams of NERPC and NERLDC.

In this regard a separate meeting was held between commercial teams of NERPC, NERLDC and Powergrid on 17.09.2025 (minutes of the meeting is attached as **annexure 2.20**).

Deliberation

Director (Commercial, NERPC) stated as decided in the meeting held on 17.09.2025, for proper accounting of reactive power, the reactive metering point should be shifted to the 33 kV BNC line emanating from the tertiary winding of the ICT, instead of the existing arrangement at the 400 kV Ranganadi-BNC line and 132 kV feeders. This revised arrangement is expected to ensure accurate metering and compliance with IEGC provisions related to reactive power compensation.

The forum noted and endorsed the decision.

PART-C: METERING ITEMS

3.1. Non-Receipt of data from Kolasib Substation:

Weekly SEM data of 132 kV Kolasib (Mizoram) Substation is important for accounting of Mizoram drawal. However, SEM data from the said substation is not being received since 30/06/2025. Issue in Vinplus Software was stated in 229th OCCM. Mizoram stated that the SEM data would be made available from the coming week. However, NERLDC is yet to receive data from the said substation.

Mizoram may kindly update.

Deliberation

Mizoram updated that the data was not getting downloaded to the Laptop with Vinplus software. Forum requested Mizoram to contact LnT and PGCIL. Mizoram to take DCD to nearest POWERGRID S/S. PGCIL to assist in the same.

3.2. Issue in SEM data of 132 kV Dharmanagar end of Dullavcherra Feeder:

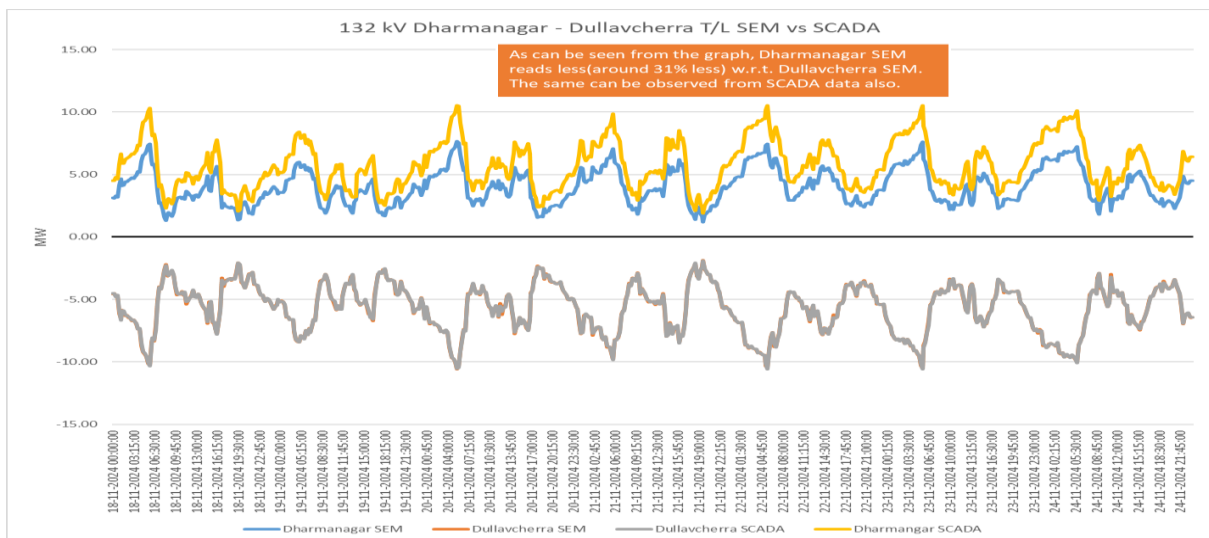
It has been observed that the data received from Dharmanagar end is erroneous and the same neither matches with SCADA data nor with data from Dullavcherra end. Several follow ups have been initiated regarding the matter with utility, however, matter is yet to be resolved.

It is also to be noted that since 222nd OCCM, data from Dharmanagar S/S has not been received by NERLDC from said substation. Issue with Laptop had been mentioned by Tripura in the previous OCCM. Tripura stated that the Laptops are still under procurement and the same shall be procured by next OCCM.

However, the same is yet to be resolved. Tripura is hereby requested to provide updates on the issue and also provide contact details of personnel stationed at Dharmanagar S/S for future communication.

As discussed in 228th OCCM, a letter to Managing Director, TPTL has also been sent on 11-08-2025 on the above stated subject. In the 229th OCCM, Tripura SLDC informed the forum that the required laptops have already been procured. However, they requested assistance from PGCIL for installation of the relevant software.

Tripura may update status.



Deliberation

Tripura did not attend the meeting

3.3. Issue in receipt of data from 132 kV Tipaimukh S/S

Weekly SEM data from 132 kV Tipaimukh (Manipur) S/S is essential for accounting of Manipur Drawal. However, SEM data for said substation is not being received. On query, downloading data from DCD to laptop has been failing.

In the 229th OCCM, Manipur SLDC informed the forum that the procurement process has been initiated and it's with the finance dept. The forum advised

Manipur SLDC to expedite the procurement process and complete it at the earliest possible. However, data from said Substation is yet to be received at NERLDC end.

Status of the same may be reviewed.

Deliberation

3.4. Manipur stated that the Laptop Procurement is still in progress and the same will take another month. Forum requested Manipur to expedite the request and provide data to NERLDC at the earliest. Issue in Receipt of Data data from Udaipur S/S:

Weekly SEM data from 132 kV Udaipur (Tripura) Substation is not being received since replacement of old LnT Meter with Secure Make Meter on 23-12-2024(for 132 kV Udaipur end of Palatana T/L). In 222nd OCCM, the forum advised Tripura to resolve the issue by next OCC meeting. Data from the replaced meter is yet to be received by NERLDC.

As discussed in 228th OCCM, a letter to Managing Director, TPTL has also been sent on 11-08-2025 on the above stated subject. In the 229th OCCM, Tripura SLDC informed the forum that the required laptops have already been procured. However, they requested assistance from PGCIL for installation of the relevant software

Tripura may update status.

Deliberation

Tripura was absent in the meeting

3.5. Receipt of SEM data from 132 kV Budhjungnagar, 132 kV Ambassa, 132 kV Dharmanagar, 132 kV PK Bari & 132 kV SM Nagar (TSECL) Substations:

As per 175th OCCM dated 18th Feb 2021 agenda D.12, Indigrid and Powergrid NERTS were given responsibility to collect and send SEM data on weekly basis for Tripura owned substations viz 132kV Ambassa S/s, 132kV

Budhjungnagar S/s, 132 kV PK Bari S/s and 132 kV SM Nagar S/s for the interim period, due to shortage of DCDs. The relevant extracts are furnished below

Quote:

“The forum noted that due to the existing shortage of DCDs, the same cannot be provided to Tripura for some time for new locations. This creates difficulty in getting SEM data from Budhjangnagar, Ambasa, PK Bari and SM Nagar. The Matter was discussed and it was decided that during the interim period Powergrid NERTS will provide readings from PK Bari and SM Nagar of Tripura and Sterlite will provide readings from Budhjangnagar and Ambassa of Tripura.”

Unquote

As per IEGC 2023 Clause 49(12)(e) entity shall be responsible to send weekly meter data to RLDC. The relevant extracts are furnished below

Quote:

“Entities in whose premises the IEMs are installed shall be responsible for (i) monitoring the healthiness of the CT and PT inputs to the meters, (ii) taking weekly meter readings for the seven day period ending on the preceding Sunday 2400 hrs and transmitting them to the RLDC by Tuesday noon, in case such readings have not been transmitted through automatic remote meter reading (AMR) facility (iii) monitoring and ensuring that the time drift of IEM is within the limits as specified in CEA Metering Regulations 2006 and (iv) promptly intimating the changes in CT and PT ratio to RLDC.”

Unquote

In the 228th OCCM, Tripura stated that the Laptops are still under procurement and the same shall be procured by next OCCM.

As discussed in 228th OCCM, a letter to Managing Director, TPTL has also been sent on 11-08-2025 on the above stated subject. In the 229th OCCM, Tripura SLDC informed the forum that the required laptops have already been procured. However, they requested assistance from PGCIL for installation of the relevant software.

Tripura may Update Status.

Deliberation

Tripura was absent in the meeting.

PART-D: ITEMS FOR UPDATE/FOLLOW-UP

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

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 228th OCC meeting

S. No.	Element Name	Outage time	Reason	Expected date (as updated in 228th OCCM)
1	Khandong Unit II	10:45 Hrs of 26-03-2022	Flash flood of reservoir causing submergence of the Khandong station	Khandong Unit II- July 2025

2	LTPS Unit 7 (20 MW)	17:08 hrs of 08-04-2024	High Vibration issue in Bearing Block-4 turbine bearing of gas turbine	Spare not available, waiting for OEM reply. Process may take significant time.
3	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	Baramura Unit 4. Tripura apprised that there is technical problem in rotor. Nonfunctional due to non-availability of gas. Forum advised to resolve rotor issue in the unit.

Transmission Lines:

As updated in 228th OCC meeting

S. No	Element Name	Outage time	Reason	Expected date (as updated in 228th OCCM)
1	400 kV Imphal - Thoubal I	18-10-2021	Tripped on DP, ROW issue.	RoW issue. Law and order situation is fragile.
2	132 kV Jiribam-Rengpang	17-11-2023	Tripped on Earth fault	Tower shifting required due to NHIDCL work. Resurvey done in 1 st week of May'25. 16 towers affected.

				Revival will take significant time.
3	132kV Ningthoukhon g- Churachandp urckt 1	04-08- 2024	Z-1, 18.5 km, O/C	Elements under outage for more than 6 months and as elements is under intra-state jurisdiction, SLDC may follow their FTC procedure (SIO etc may be obtained) and copy may be given to NERLDC.
4	132kV Srikona - Panchgram	14-01- 2019	-	Survey complete, estimate in process

Deliberation

MS NERPC asked the concerned utilities to provide updates through mail to NERPC.

4.2 Implementation/Review of Islanding schemes of NER:

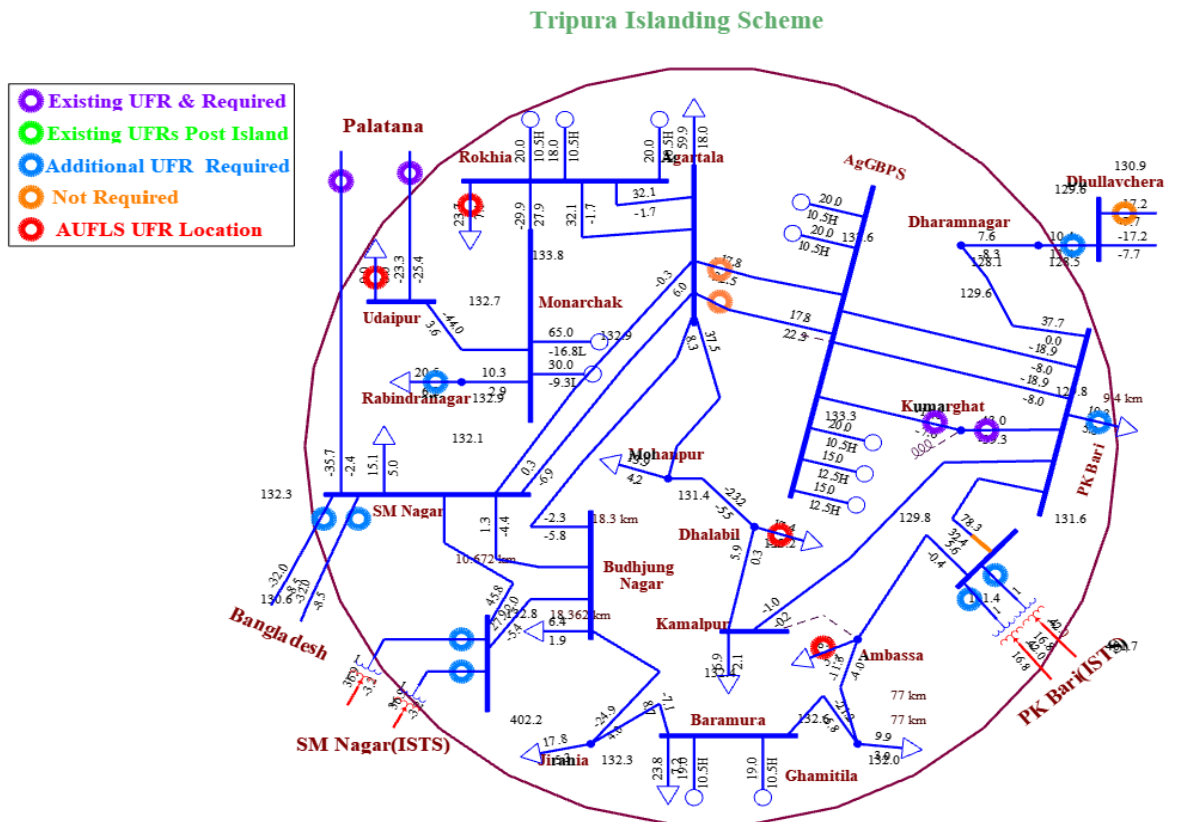
As per Clause 10 of the Central Electricity Authority (Grid Standards), Regulations, 2010: “Islanding Schemes- (1) The Regional Power Committees shall prepare Islanding schemes for separation of systems with a view to save healthy system from total collapse in case of grid disturbance. (2) The Entities shall ensure proper implementation of the Islanding Schemes”. In this regard the Islanding schemes which are being planned/have been implemented in NER are mentioned below, along with the updates from 227th OCCM.

A. Guwahati Islanding Scheme

Being discussed in TESG meetings. Queries raised by TESG being replied

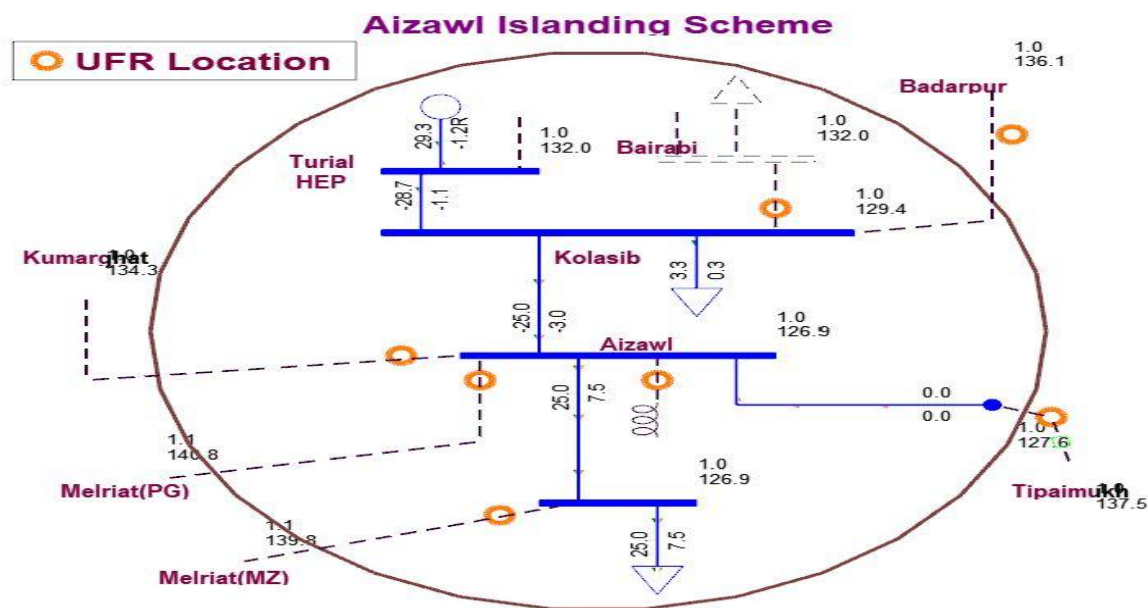
B. Tripura/Agartala Islanding Scheme

OTPC- done its part, Powergrid -will complete shortly, NTL: absent Tripura: to buy UFRs. NERLDC suggested to check whether numerical relays are present or not



C. Aizawl Islanding scheme

Under implementation.



D. Meghalaya/Shillong Islanding Scheme

NERLDC informed that Stability issues observed due to small units. Further study to be done

In 229th OCCM, Forum decided/Utilities updated as follow -

S.N.	Island	Update (229 th OCCM)
1.	Guwahati	<p>AEGCL informed that PSDF funding is approved, except for communication part. At present Tripartite agreement (PSDF, AEGCL and Government of Assam) is underway. NERLDC requested the forum to form a committee to prepare and finalise the Technical Specification & detailed BoQ. The forum approved the following names for the committee members:</p> <ol style="list-style-type: none"> 1. Sri Arup Sarma, AGM, Communication Division, LA, AEGCL 2. Sri Dhriti Lochan Hazarika, AGM (BD), HQ, AEGCL 3. Sri Ranjan Kr. Goswami, AGM(SCADA), SLDC Assam 4. Sri Pankaj Bikash Sarmah, AGM (R), APGCL 5. Sri Abhishek Kalita, Deputy Manager, LA T & C & Comm., AEGCL

		<p>6. Sri Manash Jyoti Baishya, Chief Manager, AM, POWERGRID</p> <p>7. Sri G. Sonwal, DGM, Electrical Maintenance, NTPC Bongiangoan</p> <p>8. Sri Saugato Mondal, GM, NERLDC</p> <p>9. Sri Palash Jyoti Borah, Chief Manager, NERLDC</p> <p>10. Sri Sakal Deep, Deputy Manager, NERLDC.</p> <p>The forum advised the committee to complete the task and submit the Technical Specification & detailed BoQ by 15th October 2025.</p> <p>Regarding the communication part, MS NERPC the matter will be taken up NPC division of CEA on priority.</p>
2.	Tripura/Agartala	<p>Tripura – UFRs to be procured. Process will commence shortly</p> <p>Rest work done</p>
3.	Kohima	<p>Stability issues observed. Forum decided to drop the islanding scheme.</p>
4.	Imphal	<p>Loktak is going under R&M for a long duration, the scheme will be discussed after coming back from R&M.</p>
5.	Aizawl	<p>Implemented on 17th July'2025</p>
6.	Meghalaya/Shillong	<p>Dynamic study to be done. Multi-machine involved, which necessitates real time monitoring of load and generation and load in the machine, therefore PMUs and centralized processors are required, as done for Guwahati Islanding scheme</p>

Deliberation

MS NERPC asked the concerned utilities to provide updates through mail to NERPC.

4.3 Automatic Under Frequency Load shedding (AUFLS) scheme of NER:

5 Status as updated in 229th OCCM

Name of the State/utility	Installation of UFRs	Status of mapping
Ar. Pradesh	Completed	DoP Arunachal Pradesh stated that mapping of feeder at Lekhi SS (Industry feeder, stage 1) completed For rest of the feeders and substations, coordination with GE is underway and will be taken up gradually.
Assam	Completed	Completed
Manipur	UFR installed but not enabled as system integration work is pending with GE. To be completed by June'25 end	Mapping to be completed within one week
Meghalaya	Completed	Completed
Mizoram	Completed	Coordination with GE is underway for mapping. SCADA integration of Shihmui completed but mapping left due to fibre issue. To be resolved within one week
Nagaland	Completed	Completed
Tripura	Completed	Tripura apprised the forum that that mapping at Ambassa is completed but integration is left, OPGW being laid, to be completed by next OCCM.

NERPC informed that AUFLS quantum has been revised for NER for the FY 2024-25 and presented the revised quantum for load shedding to the forum, which is provided below: –

UFR load shedding for NER States for the FY 2024-25

State	stg I (MW)	Stg II	Stg III	Stg IV
Ar. Pradesh	8.659594937	10.39151392	12.12343291	12.12343291
Assam	112.3419494	134.8103392	157.2787291	157.2787291
Manipur	11.54612658	13.8553519	16.16457722	16.16457722
Meghalaya	18.85556962	22.62668354	26.39779747	26.39779747
Mizoram	7.542227848	9.050673418	10.55911899	10.55911899
Nagaland	8.100911392	9.721093671	11.34127595	11.34127595
Tripura	16.85362025	20.2243443	23.59506835	23.59506835
Total	183.9	220.68	257.46	257.46

For FY 2023-24 (already under operation)

State	stg I (MW)	Stg II	Stg III	Stg IV
Ar. Pradesh	10	14	12	10
Assam	90	125	113	115
Manipur	10	10	10	10
Meghalaya	25	25	25	25
Mizoram	5	5	5	5
Nagaland	10	10	10	10
Tripura	15	12.2	21.2	30
Total	165	201	196	205

Regarding implementation of revised quantum, Manipur informed that the loads have been identified will be implemented shortly. Tripura left to implement.

Deliberation

MS NERPC asked the concerned utilities to provide updates through mail to NERPC.

5.1 Monthly Review of LGBR

PARTICULARS (Peak Demand in MW as per LGBR vs Actual)	Jun- 25 (LGBR)	Jun-25 (Actual)	July- 25 (LGBR)	July-25 (Actual)	Aug-25 (LGBR)	Aug-25 (Actual)
Arunachal Pradesh	185	192	204	223	214	221
Assam	2586	2717	2787	2805	2835	2582
Manipur	247	242	229	233	261	233
Meghalaya	370	330	401	337	384	350
Mizoram	136	128	141	136	164	144
Nagaland	200	203	205	193	203	190
Tripura (exc. Bangladesh)	380	366	394	374	381	362
NER DEMAND (exc. Bangladesh)	3899	3947	4158	4088	4265	3922

PARTICULARS (Energy Requirement in MU as per LGBR vs Actual)	Jun-25 (LGBR)	Jun-25 (Actual)	July-25 (LGBR)	July-25 (Actual)	Aug-25 (LGBR)	Aug-25 (Actual)
Arunachal Pradesh	93	99	99	117.94	111	115.59
Assam	1312	1358	1543	1530.04	1521	1439.45
Manipur	105	88.3	91	99.54	85	94.72
Meghalaya	183	162.2	191	166.64	190	169.41
Mizoram	58	57.5	65	62.73	59	63.09
Nagaland	95	85.6	105	97.17	92	94.56
Tripura (excl. Bangladesh)	179	202.5	205	185.41	237	180.54
NER DEMAND (exc. Bangladesh)	2025	2054	2300	2260	2294	2158

LGBR projection for September'25, October'25 and Novemebr'25

PARTICULARS (Peak Demand in MW as per LGBR)	Sep-25 (MW)	Sep-25 (MU)	Oct-25 (MW)	Oct-25 (MU)	Nov-25 (MW)	Nov-25 (MU)
Arunachal Pradesh	212	103	199	102	199	94
Assam	3082	1562	2972	1355	2176	1056
Manipur	265	89	250	115	280	106
Meghalaya	349	166	424	259	479	263
Mizoram	162	62	163	77	176	81
Nagaland	201	94	205	100	206	82
Tripura (exc. Bangladesh)	409	196	390	199	345	159
NER DEMAND (exc. Bangladesh)	4396	2272	4386	2207	3624	1841

Deliberation

Forum noted the LGBR projection vis a vis actual demand for the month of August'25

5.2 Compliance with Annual Measurement of Harmonics, DC Injection, and Flicker as per CEA Regulations

As per the CEA (Technical Standards for Connectivity to the Grid) Regulations, Clause B1(4), Measurement of harmonic content, DC injection and flicker shall be done at least once in a year in presence of the parties concerned and the indicative date for the same shall be mentioned in the connection agreement;

Provided that in addition to annual measurement, if distribution licensee or transmission licensee or the generating company, as the case may be, desires to measure harmonic content or DC injection or flicker, it shall inform the other party in writing and the measurement shall be carried out within 5 working days”;

In accordance with this regulation, all Wind generating stations and generating stations using inverters connected to the grid are required to perform this test annually and submit the test report to the relevant utility authorities. All utilities are requested to provide an update on the current status of test reports and outline their future testing plans as per CEA guidelines.

Deliberation of the 226th OCCM

NERLDC informed that a mail has been sent by NERPC to the concerned states to provide testing details and reports for the Solar, Wind and IBR based generators but the reply is still awaited.

Assam informed that the matter is being taken up with the Solar developers.

Mizoram informed that price quotation has been asked from various agencies to carry out the tests at Selrui Solar plant and the reply is still awaited.

Forum exhorted the Asam and Mizoram to provide the required details at the earliest to NERPC and NERLDC. Also, the forum requested state SLDCs to provide the charging clearance for Solar, wind and IBR based plants only after ensuring compliance with CEA regulations on testing of Harmonics, DC injection and flicker. SLDs agreed to the same.

Deliberation of the 227th OCCM

Assam and Mizoram informed that corresponding SLDCs are taking up the matter with Solar developers, but no input has been received yet.

MS NERPC exhorted Assam and Mizoram to ensure compliance with the regulations and timely conduct of the tests.

Deliberation of the 228th OCCM

MS NERPC requested Assam and Mizoram to provide update on conducting of tests to NERPC via email.

No update in this regard has been received yet. Assam and Mizoram may update

Deliberation

MS NERPC asked the concerned utilities to provide updates through mail to NERPC.

5.3 Mock Black Start of Units in compliance with IEGC:

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 2024-25:

Sl. No.	Name of Power station	Date of Mock exercise
1	AGBPS GTG 4	14-05-2024
2	Kopili Unit 1, 3 & 4	Completed (U I & III 09 th March 25 & U II & IV 10 th March 25)
3	AgGBPS GTG 2	11-09-2024

All utilities are requested to submit the latest status of planning related to mock black-start trials of **all units** that are pending or yet to be conducted and to complete these activities within FY 2024-25 to ensure compliance with IEGC.

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
1	Doyang HEP	Unit II-04.04.2025	To be performed during lean hydro season
2	Khangdong Stg-2 HEP	-	November-2025

3	Kameng HEP	-	November-2025
4	Loktak HEP	Unit I -15.05.2025	To be performed during lean hydro season
5	Pare HEP	Unit-II-17.05.2025	To be performed during lean hydro season
6	Panyor HEP	30-05-2023	May-2025
7	Tural HEP	Unit II- 22.07.2025 Unit I- 23.07.2025	To be performed in FY 2026-27

In 226th OCCM, MS NERPC exhorted the concerned generating utilities to carry out the exercise as early as possible.

As per deliberation in 227th OCC meeting, As NERLDC informed that as per discussion held during the special meeting convened by NERPC on 10.05.2025 regarding the preparedness of islanding and black start capabilities, it was decided to carry out unannounced mock black start exercises for all generating stations equipped with black start facilities. In line with this decision, Loktak and Pare HEP have successfully carried out the unannounced mock black start exercises. However, AGBPS (Kathalguri) was unable to synchronize due to technical issues at the 220 kV Tinsukia substation. The necessary rectification at Tinsukia may be carried out by AEGCL, and the status should be duly communicated to NERPC and NERLDC.

NEEPCO stated that due issues related to online transfer of elements at Panyor HEP unannounced mock black start exercises may not conducted.

Deliberation

MS NERPC asked the concerned utilities to provide updates through mail to NERPC.

5.4 Performance of online network estimation tools at RLDC:

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:

The performance of online network estimation tools at NERLDC is shown below:

12-Sep-2025 09:44:27					
Difference & % Error of RTCA and RTNET					
Constituents	SCADA	RTCA		RTNET	
		Difference	Error %	Difference	Error %
NER Generation	2336	386	13.00	29	1.00
NER Load	2740	338	12.00	29	12.00
Tripura	223	85	35.00	85	35.00
Assam	1770	553	31.00	553	31.00
Meghalaya	244	29	12.00	29	12.00
Manipur	144	27	23.00	27	23.00
Arunachal	169	41	30.00	41	30.00
Nagaland	110	37	30.00	37	30.00
Mizoram	82	14	12.00	14	12.00

Similarly, SLDC’s are requested to present their online network estimation tool performance in the monthly operational meeting of RPC to comply with IEGC regulation 33(2).

Deliberation

MS NERPC asked the concerned utilities to provide updates through mail to NERPC.

5.5 Re-configuring RTUs of NEEPCO owned stations for reporting to NERLDC Guwahati

NERLDC Guwahati was inaugurated on 11th March 2024, following which NERLDC is operating under the Main-1 and Main-2 concept, with its establishments located in Shillong and Guwahati. At present, some NEEPCO stations report exclusively to NERLDC Shillong. In view of achieving 100% redundancy of Main-1 and Main-2 NERLDC, there is a critical need to reconfigure the RTUs to enable simultaneous reporting to NERLDC Guwahati.

On request, NEEPCO has configured all the stations for parallel except two stations which are mentioned as below along with the status of 32nd NETeST meeting:

1. **RC Nagar:** NEEPCO informed the forum that the Work order is already placed to M/s GE. However, the response from M/s GE is not satisfactory. NEEPCO further requested NERLDC to assist in configuration of the RTU database as similar way assistance was provided for Panyor HEP station.
2. **Pare HEP:** NEEPCO informed the forum that the RTU/PLC has been configured however due to configuration issue the data is not getting telemetered properly. NEEPCO requested that further configuration of RTU/PLC will be carried out during the lead hydro period i.e., Nov'25 – Dec'25 as the same RTU/PLC is being used to control the units which are running continuously.

NEEPCO is requested to provide an update on the current status of these actions.

Deliberation

MS NERPC asked the NEEPCO to provide updates through mail to NERPC.
