



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. NERPC/SE(O)/OCC/2026/1506-1549.

Date: 14-08-2026

सेवा में / To,

संलग्न सूची के अनुसार / As per list enclosed.

विषय: 241वीं ऑपरेशन कोऑर्डिनेशन उप-समिति (ओसीसी) की बैठक का एजेंडा-तत्संबंधी।

Subject: Agenda of 241st Operation Coordination Sub-Committee (OCC) Meeting - reg.

महोदय/महोदया,

कृपया अपनी जानकारी और आवश्यक कार्रवाई के लिए 21 अगस्त 2026 को एनईआरपीसी कॉन्फ्रेंस हॉल, शिलांग में आयोजित होने वाली 241वीं ओसीसी बैठक के एजेंडे के साथ यहां संलग्न देखें। कार्यसूची एनईआरपीसी की वेबसाइट www.nerpc.gov.in पर भी उपलब्ध है।

Sir/Madam,

Please find enclosed herewith the agenda of the 241st OCC Meeting to be held at NERPC Conference Hall, Shillong on 21st August 2026 for your kind information and necessary action. The agenda is also available on the website of NERPC: www.nerpc.gov.in.

भवदीय / Yours faithfully,

Encl: As above


दिनांक 14/08/2026

(डी.के. बाउरी/ D.K Bauri)

निदेशक/ Director

परिचालन/ Operation

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, Dongtiah-Lower Nongraha, 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 Nongraha, 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



(डी के बाउरी/ D K Bauri)

निदेशक (O) /Director (O)



**AGENDA FOR
241st OCC MEETING**

Time: 10:30 Hrs.

Date: 21st August, 2026 (Friday)

**Venue: NERPC Conference Hall,
Shillong**

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NORTH EASTERN REGIONAL POWER COMMITTEE

AGENDA FOR 241st OCC MEETING TO BE HELD ON 21.08.2026 (FRIDAY) AT 10:30 HRS

1. PART-A: CONFIRMATION OF MINUTES

1.1. Confirmation of Minutes of 240th Meeting of OCC Sub-Committee of NERPC

The minutes of 240th meeting of OCC Sub-committee held on 24.07.2026 at Hotel Nandan, Guwahati were circulated vide letter No. NERPC/SE (O)/OCC/2026/1304-1346 dated 5th August 2026.

No comments were received from constituents

Sub-committee may confirm the minutes of 240th OCCM

2. PART-B: ITEMS FOR DISCUSSION

2.1. Status of Emergency Restoration System (ERS) for NER -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.**

Status of ERS availability against the prescribed requirement 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)	380	Tie up required with agency	1
4	NTL (Indigrid)	823	1	The parent company IndiGrid owns one set of ERS (16 towers) for all five regions. It will be moved as and when needed.
5	NETC	1326.67	1	1 Set (16 ERS towers - 10 Suspension and 6 Tension)
6	Ar. Pradesh	457	0	NA
7	Assam	5426	2	2
8	Manipur	955	1	NIL
9	Meghalaya	1801	1	NIL
10	Mizoram	1034	1	NIL
11	Nagaland	517	1	NIL
12	Tripura	988	1	NIL

MOP vide letter ref. No. 34/7/2025-TRANSMISSION (MoP) dated 19.08.2025 has conveyed in-principal 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 236th 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.

In 239th OCCM, POWERGRID apprised the forum that the Letter of Award (LoA) for procurement of five ERS tower sets which is costing around Rs. 17 Cr. per

set, has already been placed and the equipment is expected to be delivered by April 2027.

Meghalaya and Manipur informed the forum that proposals for procurement of ERS sets have already been initiated.

Director (Operation), NERPC apprised the States that ERS can also be effectively utilized during planned shutdowns of critical transmission lines to minimize outage duration and maintain reliable power supply in the region. He further requested Arunachal Pradesh also to initiate procurement of ERS set considering the hilly terrain of the state.

Mizoram and Nagaland also agreed to initiate procurement of ERS sets in accordance with the applicable guidelines.

States and Utilities may update.

2.2. Collection of Captive Power Plant (CPP) Generation data of NER- NERPC

Background:

The present electricity generation figures include only utility-based generation and exclude Captive Power Plants (CPPs), resulting in an incomplete assessment of total electricity generation and actual power consumption. The Central Electricity Authority (CEA) currently collects annual CPP generation data for plants of 0.5 MW and above from State DISCOMs under Format-21 of the Central Electricity Authority (Furnishing of Statistics, Returns and Information) Regulations, 2007. To strengthen data collection, CEA is developing an online portal for monthly reporting. In a meeting held on 15 April 2026, chaired by the Chairperson, CEA, it was directed that CPP data collection through the portal be pursued and monitored in OCC forums with participation of Regional Power Survey Offices (RPSOs).

Deliberation in 240th OCC Meeting:

Assam apprised that all captive generating plants (CPPs) connected to the grid and falling under the jurisdiction of SLDC Assam have already been onboarded on the CEA Captive Portal for submission of generation data. However, certain CPPs, including IOCL, Digboi, are yet to commence data submission as approval from their respective higher authorities is awaited. In this regard, Assam apprised that a formal communication has already been issued to the concerned CPPs and that SEI is coordinating closely with them to facilitate timely submission of the requisite data on the CEA portal.

Assam may update.

2.3. Energisation of 400 kV Lower Subansiri–BNC I & II Circuits from Lower Subansiri side-NERLDC

At present, the 400 kV Lower Subansiri–BNC III & IV circuits are under operation. The 400 kV Lower Subansiri–BNC I & II circuits were charged for the first time from the BNC end on 30-03-2023 by PGCIL; however, these circuits (I & II) are still not in operation due to non-energisation from the Lower Subansiri side.

As four units (4x250 MW) of the Lower Subansiri project have already been commissioned, and one line can carry a maximum of 1100 MVA, the addition of any further unit would result in non-compliance with the N-1 criterion.

During 239th OCC meeting, NHPC apprised that third circuit of the 400 kV Lower Subansiri–BNC transmission line is expected to be charged by July 2026.

NHPC is therefore requested to provide the current status of the 400 kV Lower Subansiri–BNC I and II circuits, along with the commissioning schedule for the remaining generating units (Units 5 to 8) of the Lower Subansiri Project.

NHPC may update.

2.4. Unreliable Auxiliary Power Supply at Lower Subansiri HEP-NERLDC

On 12 June 2026, Unit-3 of Lower Subansiri HEP tripped at 18:59 hrs due to tripping of its UAT. Subsequently, at 19:45 hrs, Units-1 & 2 along with 400 kV Subansiri-Biswanath Chariali Ckt-3 & Ckt-4 tripped, resulting in total blackout at Lower Subansiri HEP and generation loss of 694 MW. Unit-4 was already under forced outage.

Following the UAT failure of Unit-3, its auxiliary supply is being extended through the UAT of Unit-1 as a temporary arrangement. Further, the single 33 kV HT source available at Subansiri has been reported to be unreliable for station auxiliary supply.

In July'26, Unit-1 and Unit-3 tripping observed 13 and 16 times respectively.

Under the temporary arrangement, Unit-3 tripped 8 times during July 2026, particularly during outages of Unit-1/DG supply, indicating inadequate reliability and redundancy of the present auxiliary supply arrangement. The list of tripping and rough schematic diagram are attached in **Annexure 2.4**.

Hence, NHPC is requested to expedite replacement of the UAT of Unit-3 and clarify the existing and planned arrangements for reliable and redundant station auxiliary supply, including compliance with the applicable CEA requirements regarding provision of two independent HT sources. The long-term plan for ensuring reliable station supply at the 2000 MW Lower Subansiri HEP may also be shared.

Forum may deliberate.

2.5. Regional Cyber Security Coordination Forums for NER: NERPC

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

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

The status of Regional Cyber security Coordination Forum(Thermal, Hydro and Transmission) in NER may be discussed.

In 31st TCC Meeting, the forum opined that the item is to be further discussed in Sub-Committee meeting(s) for detailed study/deliberation/clarification and is therefore referred to the Sub-Committee(s) of NERPC.

In the 33rd NETeST meeting, after detailed deliberations, the forum agreed that each nodal agency shall form a sub-committee for each sectoral CERT for NER grid consisting of

- Representatives specializing in Cyber Security/IT from the respective nodal agencies, NERLDC, NERPC and Central/State Sector Generators/IPPs (For CERT Thermal/Hydro)
- Representatives specializing in Cyber Security/IT from the respective nodal agencies, NERLDC, NERPC and Central/State sector Transmission utilities/other TSPs (for CERT-Transmission).

The forum also noted that the respective sub committees shall sit quarterly to discuss the cyber security issues of NER grid pertaining to that sector. A letter in this regard shall be issued by NERPC to all the concerned stakeholders.

Accordingly, NERPC has issued letters dated 08/05/2026 for formation of sub committees for:

1. CERT-Thermal to NTPC (Bongaigaon)
2. CERT-Hydro to NHPC

3. CERT-Transmission to POWERGRID, NERTS

This also discussed in the 34th NETeST meeting, However representatives from NHPC and NTPC were absent from the meeting and hence the matter could not be deliberated.

NHPC & NTPC may update.

2.6. Submission of nodewise load and generation data by SLDCs/ISGS and ATC/TTC computation by SLDCs - NERLDC

As per the “Detailed Procedure for Allocation of Transmission Corridor for Scheduling under GNA and TGNA”, Appendix 1 clause 4.3, timeline for sharing of Nodewise load and generation data, TTC/ATC figure and the updated network simulation model are given in the table below:

Purpose	Sl No	Action of Stakeholder	Responsible	Submission	Data/Information Submission Timeline
1. (M+11) Revision of TTC/ATC Declaration for Month	1(a)	Submission of node wise load & generation data along with envisaged scenarios for assessment of transfer capability Assessment of TTC/ATC of import/export capability of the system and intra-state system and sharing of updated network simulation models	SLDC	RLDC	10th Day of 'M'-month
	1(b)	Declaration of TTC/ATC of the inter-state system	SLDC	RLDC	26th Day of 'M'-month

		state system by SLDC consultation with RLDC			month
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2. (M+6) Interconnection Studies elements to integrated in month 'M'	2(a)	Submission of node-wise 1 and generation data & sharing network simulation models intra-state elements coming the next six months	SLDC	RLDC	8th Day of 'N' month
	2(b)	Sharing of inter-connect study results	SLDC	RLDC	21st Day of 'N' month
3. (M+1) Month Ah TTC/ATC Declaration & B case Operational Studies for Mo 'M'	3(a)	Submission of node wise 1 and generation data along w envisaged scenarios assessment of transfer capabi Assessment of TTC/ATC of intra-state system and shar of updated network simulat models	SLDC	RLDC	8th Day of 'N' month
	3(b)	Declaration of TTC/ATC of intra-state system consultation with RLDC	SLDC	RLDC	22nd Day of 'N' month

Status of data submitted by SLDCs are given below:

States	Nodewise Load and Generation Data Submission (Yes/No)	Submission of Computed TTC/ATC(Yes/No)	Submission Updated network simulation Model
Assam	Yes	No	No
Arunachal Pradesh	No	No	No
Manipur	Yes	No	No
Meghalaya	Yes	Yes	Yes
Mizoram	Yes	No	No
Nagland	Yes	No	No
Tripura	Yes	Yes	No

Status of generation data submitted by ISGS are given below:

ISGS	Generation Data Submission (Yes/No)
NEEPCO	No
NHPC	No
NTPC	No
OTPC Palatana	No

In view of the above, all SLDCs are requested to kindly furnish the node-wise load and generation data, assessed TTC/ATC figures, and updated network simulation models within the timelines specified above.

Further, all ISGS generators are requested to kindly share the anticipated generation data for the month M+11 by 10th of every month.

Forum may deliberate.

2.7. Publication of Computed TTC/ATC on SLDC Website-NERLDC

As per clause 33.3.a of IEGC 2023

quoted

*“SLDCs shall perform day-ahead, weekly, monthly and yearly operational studies for the concerned State for: (a) assessment and declaration of total transfer capability (TTC) and available transfer capability (ATC) for the import or export of electricity by the State. **TTC and ATC shall be revised from time to time based on the commissioning of new elements and other grid conditions and shall be published on SLDC website with all the assumptions and limiting constraints**”*

Same has also been raised in 55th FOLD meeting dated 12.08.2026.

All SLDCs may kindly publish the TTC/ATC figure in their respective websites.

Forum may deliberate.

2.8. Violation of TTC/ATC by Assam and Tripura Power system-NERLDC

Continuous violations of the TTC/ATC limits of the Assam and Tripura power systems are being observed. These violations are primarily due to the persistent delay in the commissioning of approved projects.

In the Assam power system, drawl beyond the TTC limit places undue stress on the 220 kV Agia-BTPS D/C, 220 kV Balipara-Sonabil D/C, and 220 kV Misa-Samaguri D/C transmission lines. The outage of any one of these transmission circuits may result in cascading tripping, thereby jeopardizing the security of the Assam power system. Study suggests that the early commissioning of the

400/220 kV Sonapur, 400/220 kV Rangia, and 220/132 kV Agomoni (Gossaigaon) substations, along with the associated downstream network developments, would enhance the drawl capability of the Assam power system.

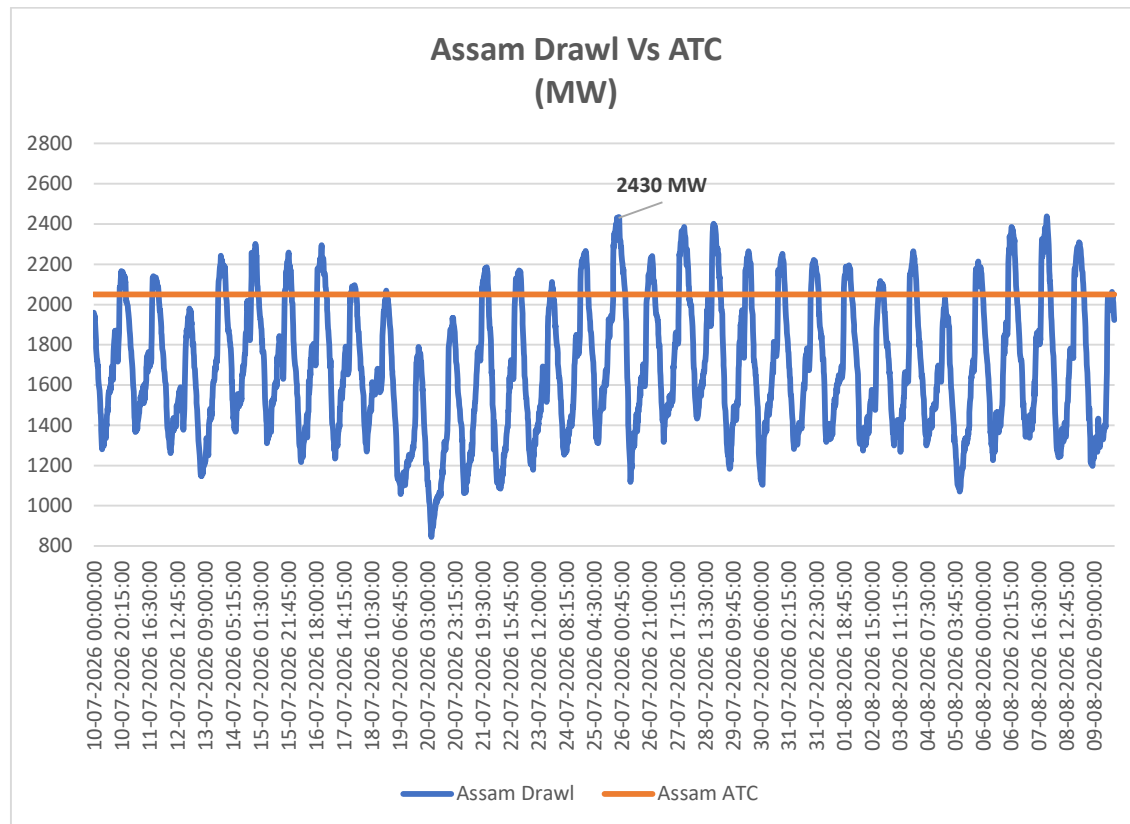


Figure: Assam drawl vs ATC for the month July 2026

Similarly, in the Tripura power system, drawl beyond the TTC limit places excessive loading on the 132 kV SM Nagar–SM Nagar (ISTS) transmission line. Further, the outage of the 132 kV SM Nagar (ISTS)–Budhjung Nagar transmission line may lead to cascading tripping, adversely affecting the reliability of the Tripura power system. Early completion of the reconductoring works of the 132 kV SM Nagar–SM Nagar (ISTS), 132 kV SM Nagar (ISTS)–Budhjung Nagar, and 132 kV PK Bari (ISTS)–Manu transmission lines would improve the drawl capability of the Tripura power system. In addition, increased generation from the Rokhia and Baramura generating stations is expected to alleviate the existing constraints in the Tripura power system.

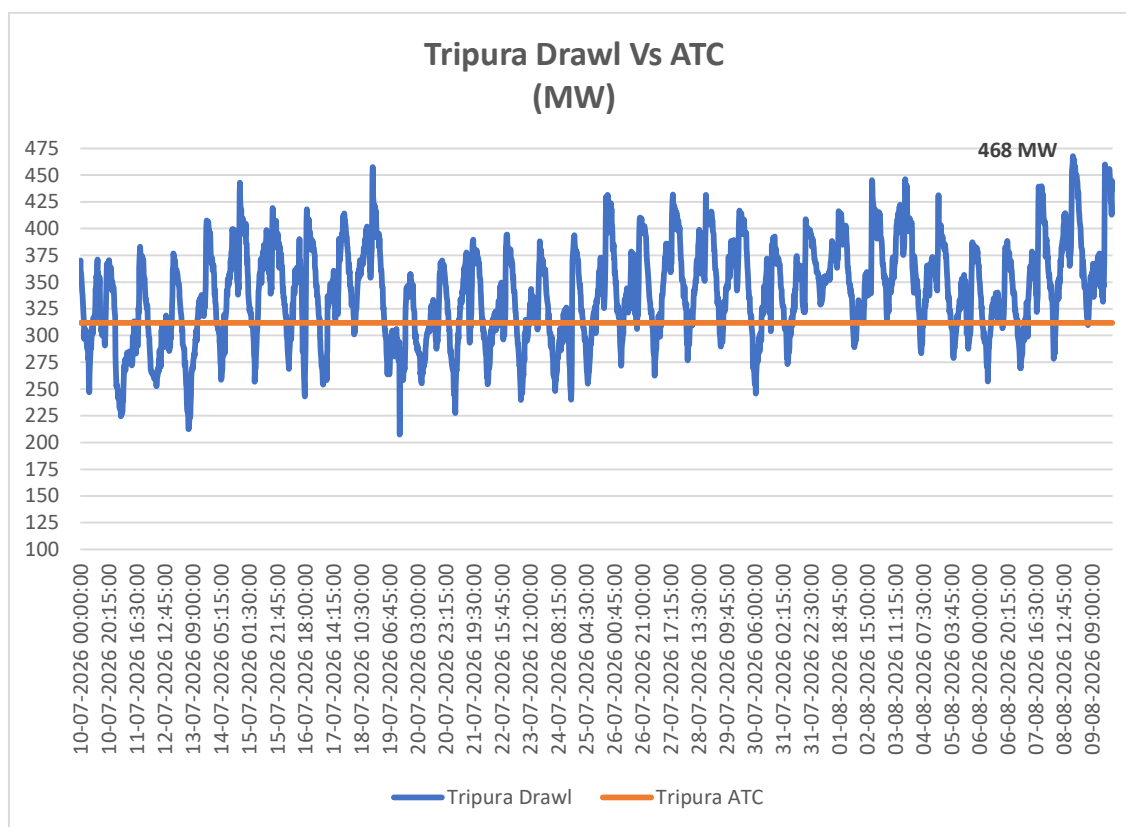


Figure: Tripura drawl vs ATC for the month July 2026

AEGCL and TSECL are requested to take all necessary measures to improve the drawl capability of their respective power systems by ensuring the timely implementation and commissioning of the approved projects.

Forum may deliberate.

2.9. Resource Adequacy and Preparedness for the Upcoming High-Demand Period-NERLDC

Prevailing El Niño conditions across the country, with the increase in electricity demand in the NER, necessitate enhanced preparedness for the upcoming high-demand period. The maximum demand met in NER and Assam reached 4284 MW and 2948 MW respectively on 11.08.2026, and demand is expected to increase further in the upcoming months.

In view of the above, the following may be ensured:

- Adequacy of available generation resources, including hydro, thermal, gas and renewable resources, for the upcoming high-demand period.
- Preparedness for possible dry-weather and low-generation scenarios, particularly during non-solar/peak periods.
- Measures for optimization of planned outages and ensuring adequate availability of generating units during critical periods.
- Assessment of the availability of adequate power procurement arrangements to meet anticipated demand.
- Strict adherence to the approved schedule by all entities and avoidance of overdrawal, particularly during system-stressed conditions

Forum may deliberate.

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

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

The status of submission of Demand estimation and RA data for the month of July 2026 is shown in the table below:

	Day-Ahead Demand Forecast *	Week Ahead Demand Forecast (July 2026)					Month Ahead Demand Forecast		Year Ahead Demand Forecast for 2026-27
		Week 1	Week 2	Week 3	Week 4	Week 5	Jul-26	Aug-26	
Arunachal Pradesh									
Assam									
Manipur									
Meghalaya									
Mizoram									
Nagaland									
Tripura									

*Through RA portal

Not in prescribed format	Data not submitted	Data Submitted	Irregular
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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.

Further as per the Report of honourable Member (Technical), CERC in order on Suo-motu petition No. 09/SM/2024, the issues of non-submission of resource adequacy data including demand estimation and generation data by the states to be deliberated.

Forum may deliberate.

2.11. Operational Planning and Resource Adequacy for September 2026-NERLDC

The Operational Planning and Resource Adequacy assessment for September 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.

NERLDC may present.

2.12. Monthly Review of PDMS Data Updation for Newly Added Network Elements during May- 2026-NERPC

During the 238th OCC meeting, Member Secretary, NERPC emphasized that the utility of PDMS can be fully realized only when the data available in the system remains accurate, complete, and updated.

The forum was also informed that NERPC and NERLDC shall coordinate with PRDC to ensure that all relevant data pertaining to transmission and generation elements are updated in PDMS prior to issuance of First Time Charging (FTC) approval for any transmission element.

Further, Director (Operation), NERPC suggested that all upcoming ISTS as well as intra-state transmission and generating elements may be brought before the OCC on a monthly basis so that their technical details,

connectivity information, protection data, and other relevant particulars can be incorporated in PDMS in a timely and systematic manner.

In line with the above deliberations, NERLDC and all constituent utilities are requested to furnish the details of all newly added Inter-State Transmission System (ISTS), Intra-State Transmission System (InSTS), generating stations, IPPs, and other associated network elements commissioned/added during the month of May 2026, so that the same can be incorporated and validated in the PDMS database in a timely manner.

In 240th OCC Meeting, NERPC apprised that Assam has submitted the details of the newly integrated grid elements for incorporation into the PDMS database. NERLDC further apprised that the details of newly added grid elements for the months of May and June have also been shared with NERPC for necessary updation of the database. NERLDC suggested that a standardized format may be finalized for submission of such data so as to ensure consistency and uniformity in reporting by all stakeholders. Director (O), NERPC requested NERLDC to furnish the corresponding details for the month of April as well to maintain completeness of the database. He further informed that a standardized format for submission of newly integrated grid elements would be finalized and circulated to all stakeholders in due course. Further, he advised that, in cases where no new grid elements are commissioned during a particular month, the concerned utility should submit a 'NIL' report to ensure completeness and continuity of monthly reporting.

NERLDC and All NER States may update.

2.13. 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.

Utilities have submitted the shutdown proposals for the month of September 2026 for discussion in OCC shutdown discussion meeting.

The SD Meeting for deliberating the Shutdowns proposals is scheduled on 18.08.2026 through online mode.

NERLDC may present the shutdowns that needed further discussion in the forum.

2.14. Planned Shutdown Schedule of Palatana Block-1-OTPC

Background:

CEA approved planned shutdown of Palatana Block-1 was scheduled from 20.09.2026 to 30.09.2026. OTPC had earlier requested preponement of the planned shutdown of Palatana Block-1 for carrying out GT-1 borescopic inspection, annual inspection, HRSG-1 licence renewal and major inspection of the Gas Turbine Generator in view of repeated combustion anomalies and forced trippings. The matter was deliberated in the 240th OCC meeting, wherein the forum agreed in principle to the proposed shutdown for a period of 25 days, subject to review based on prevailing system conditions and availability of replacement power.

Subsequently, OTPC, vide email dated 12.08.2026, informed that due to non-availability of the required resources during the first fortnight of September, the proposed shutdown from 03.09.2026 to 27.09.2026 could

not be undertaken. OTPC has therefore proposed to revise the shutdown schedule to 20.09.2026 to 03.10.2026 for completion of the aforesaid inspection and maintenance activities.

The forum may deliberate on the shutdown schedule of Palatana Block-1 from 20.09.2026 to 03.10.2026, keeping in view the system demand, availability of replacement power.

Forum may deliberate.

2.15. Complete Shutdown of Loktak Power Station (3x35 MW) for Undertaking Renovation & Modernization Works

In 240th OCC meeting NHPC has submitted the tentative schedule of SD commence from 1st November as given below:

Sl no.	Shutdown Schedule	Shut Down Period in Months	Time period	Remarks
1	Complete Shutdown of all Three Units	Six	Nov'26 to Apr'27	Common Shutdown Period of all Generating Units & 132kV Switchyard for Renovation & Modernization Works of Loktak Power Station.
2	Unit#1 Stand Alone Shutdown	Three	May'27 to Jul'27	02 Generating Units, i.e Unit-2 & 3 will be running.
3	Unit#2 Stand Alone Shutdown	Five	Aug'27 to Dec'27	02 Generating Units, i.e Unit-1 & 3 will be running.
4	Unit#3 Stand Alone Shutdown	Five	Jan'28 to May'28	02 Generating Units, i.e Unit-1 & 2 will be running.
Total		19 months		

To discuss the same a meeting was held on 05.08.2026 with NHPC, MSPCL, MDPDCL and PGCIL. Minutes of the meeting is attached as **Annexure-2.15**. In the meeting following was decided:

- **Implementation of interim arrangement for power supply to Rengpang area.**

- i. The physical works, including jumpering and associated modifications required for the interim arrangement, shall be executed by **NHPC**.
- ii. A small technical coordination group comprising representatives from NHPC, MSPCL, and POWERGRID shall be constituted to examine and finalize all technical aspects of the interim arrangement, including system configuration, protection coordination, operational clearances, and associated safety requirements.
- iii. The activities related to operational clearances, protection setting modifications, and FTC requirements shall be carried out by **MSPCL and POWERGRID** to facilitate timely implementation of the interim arrangement.

- **Optimization of shutdown duration to minimize system impact.**

NHPC shall examine the possibility of optimizing the complete shutdown period in consultation with the OEM and Manipur utilities and submit the revised shutdown timeline, if feasible, for deliberation and consideration in the ensuing OCC Meeting.

- **Action plan for restoration of 132kV Jiribam-Rengpang line.**

MSPCL shall closely pursue the approval of the proposed SASCI funding and undertake restoration of the 132 kV Jiribam–Rengpang transmission line on priority.

As per the decision of the special meeting NHPC is requested to present the revised schedule of complete shutdown of Switchyard.

NHPC may update

PART-C: ITEMS FOR UPDATE/FOLLOW-UP

3.1. Automatic Generation Control (AGC) in Indian Grid (Agenda 3.18 of 33rd NETeST Meeting)-NERLDC

As discussed in the 33rd NETeST Meeting held in Guwahati on 24th April 2026, the Forum advised that the above-mentioned agenda be discussed in the monthly OCCM for regular updates.

In the 239th OCC meeting held on 24.06.2026, NEEPCO apprised the forum that, in respect of Doyang HEP, the OEM had quoted a comparatively high price for the closed loop testing required for implementation of AGC, and that negotiations with the OEM were underway; the work was expected to be completed by August 2026. OTPC apprised the forum that implementation of AGC at Palatana is not considered feasible owing to the isolated nature of the Palatana grid system, and that a request seeking exemption has already been submitted before the Hon'ble CERC. The status for the remaining plants remained unchanged. Utilities concerned are requested to provide updated status for the 240th OCC meeting, as tabulated below:

Station Name	Status as per 240th OCCM	Status as per 241st OCCM
AGBPP (Kathalguri)	NEEPCO informed that they will decide internally for the necessary action on the Gas based plant to carry out the AGC in plant. Likely to go to CERC for exemption.	
Doyang	NEEPCO apprised the forum that the OEM had quoted a comparatively high price for the closed loop testing for implementation of AGC and that	

Station Name	Status as per 240th OCCM	Status as per 241st OCCM
	negotiations with the OEM are underway. Work is expected to be completed by August 2026.	
Kameng	Implementation of AGC at Kameng HEP is pending due to high vibration issues in the machines. Discussions are ongoing with the OEM for resolution of the issue.	
Ranganadi (Panyor)	SCADA is very old, and for which DCS upgradation is required. Tender has been floated, and Technical Evaluation going on. AGC implementation will be carried out in the lean period, i.e., after Nov'26.	
Pare	AGC implementation will be carried out in the lean period, i.e., after Nov'26.	
RC Nagar	NEEPCO informed that they will decide internally for the necessary action on the Gas based plant to carry out the AGC in plant. Likely to go to CERC for exemption.	
Palatana	OTPC apprised the forum that implementation of AGC at Palatana is not considered feasible owing to the isolated nature of the Palatana grid system, and that frequent	

Station Name	Status as per 240th OCCM	Status as per 241st OCCM
	increase/decrease in generation as per AGC signals may not be operationally feasible under prevailing grid conditions. A request seeking exemption from AGC implementation has already been submitted before the Hon'ble CERC.	
Subansiri Lower HEP	NHPC informed that AGC would be enabled after getting dam safety clearance for full FRL of Subansiri reservoir.	

Action: All concerned utilities (NEEPCO, NHPC, OTPC).

3.2. Unit-wise Restoration Status of Panyor Lower Hydro Power Station (3 × 135 MW)-NERLDC

All three generating units (3 × 135 MW) of Panyor Lower Hydro Power Station have been under forced outage since 24 June 2026 due to flash floods.

The Indian power grid is currently witnessing a substantial increase in electricity demand owing to the prevailing summer season. To meet the anticipated high all-India demand, it is essential that all generating units remain available and in healthy operating condition.

In view of the above, you are requested to kindly intimate the present unit-wise restoration status of Panyor Lower Hydro Power Station at the earliest.

In 240th OCCM NEEPCO informed that NEEPCO informed that the tentative restoration schedule for Unit-1, Unit-2 and Unit-3 is 16.08.2026, 07.08.2026 and 07.08.2026 respectively.

NEEPCO may update.

All utilities are requested to update the status of works and indicate the tentative timeline for completion of pending activities pertaining to them, as outlined in the Action Taken Report (ATR) circulated vide email dtd. 6th August, 2026.

Annexure

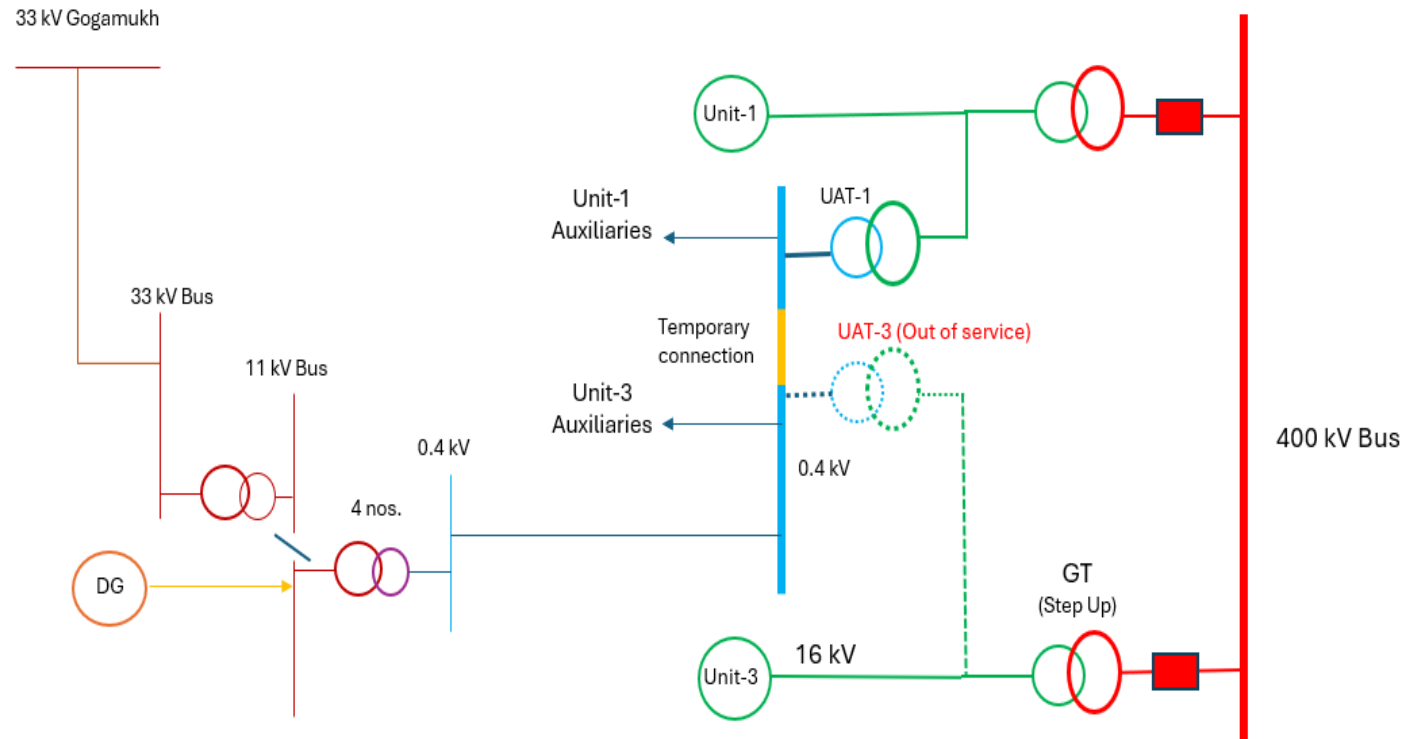
Annexure 2.4

Annexure: List of tripping of Uunit 1 & 3 at lower subansiri

S.No	Element Name	Tripping Date and Time	RESTORATION Date and Time	OUTAGE DURATION (D.HH:MM:SS)	Reason
1	Lower Subansiri Unit 3	05-07-2026 18:53	05-07-2026 19:43	00:50:00	Shaft seal low pressure
2	Lower Subansiri Unit 1	06-07-2026 02:05	06-07-2026 03:40	01:35:00	Due to low Shaft seal pressure
3	Lower Subansiri Unit 3	06-07-2026 07:48	06-07-2026 08:20	00:32:00	Shaft seal low pressure
4	Lower Subansiri Unit 1	07-07-2026 10:55	07-07-2026 11:44	00:49:00	Due to low Shaft seal pressure
5	Lower Subansiri Unit 3	07-07-2026 13:58	07-07-2026 15:48	01:50:00	due to Stator hot air temp high
6	Lower Subansiri Unit 1	07-07-2026 17:23	07-07-2026 18:07	00:44:00	Due to shaft seal pressure low
7	Lower Subansiri Unit 1	13-07-2026 05:10	16-07-2026 06:34	3.01:24:00	Due to shaft seal pressure low
8	Lower Subansiri Unit 3	13-07-2026 10:41	15-07-2026 23:07	2.12:26:00	Shaft seal low pressure
9	Lower Subansiri Unit 3	16-07-2026 06:22	16-07-2026 07:21	00:59:00	Due to UAB incomer CB from UAT opened.
10	Lower Subansiri Unit 3	16-07-2026 16:34	17-08-2026 01:31	08:57:00	Auxiliary power supply failure.
11	Lower Subansiri Unit 3	17-07-2026 21:53	17-07-2026 22:20	00:27:00	Auxiliary power supply failure.
12	Lower Subansiri Unit 1	18-07-2026 06:54	18-07-2026 07:21	00:27:00	Due to shaft seal pressure low
13	Lower Subansiri Unit 3	18-07-2026 19:36	22-07-2026 15:43	3.20:07:00	Generator protection lockout operated.
14	Lower Subansiri Unit 1	19-07-2026 01:38	19-07-2026 02:32	00:54:00	Due to shaft seal pressure low
15	Lower Subansiri Unit 1	19-07-2026 03:48	19-07-2026 04:20	00:32:00	Due to shaft seal pressure low
16	Lower Subansiri Unit 1	19-07-2026 22:08	20-07-2026 00:45	02:37:00	Gov Sump Oil Temperature too high
17	Lower Subansiri Unit 1	24-07-2026 16:12	24-07-2026 17:33	01:21:00	Lower Thrust bearing pad temperature high
18	Lower Subansiri Unit 3	24-07-2026 16:13	24-07-2026 16:41	00:28:00	Auxiliary power supply failure

19	Lower Subansiri Unit 1	24-07-2026 21:00	24-07-2026 21:37	00:37:00	MIV OPU oil sump temperature high
20	Lower Subansiri Unit 3	24-07-2026 21:01	25-07-2026 02:35	05:34:00	Auxiliary Power Supply Failure
21	Lower Subansiri Unit 1	24-07-2026 22:51	25-07-2026 01:44	02:53:00	Tripped due to UAV Breaker Fault
22	Lower Subansiri Unit 1	26-07-2026 01:12	26-07-2026 03:11	01:59:00	Governor oil sump tank temp.too high
23	Lower Subansiri Unit 3	26-07-2026 01:31	26-07-2026 04:03	02:32:00	Auxiliary Power Supply Failure
24	Lower Subansiri Unit 3	26-07-2026 19:36	26-07-2026 20:40	01:04:00	Auxiliary Power Supply Failure
25	Lower Subansiri Unit 3	27-07-2026 09:52	27-07-2026 10:26	00:34:00	Auxiliary Power Supply Failure
26	Lower Subansiri Unit 3	27-07-2026 16:06	27-07-2026 17:10	01:04:00	Auxiliary Power Supply Failure
27	Lower Subansiri Unit 3	29-07-2026 06:57	29-07-2026 07:50	00:53:00	MIV oil/air pressure tank level too low
28	Lower Subansiri Unit 1	29-07-2026 15:42	29-07-2026 16:07	00:25:00	Governor oil/air pressure tank level too low
29	Lower Subansiri Unit 3	29-07-2026 15:43	29-07-2026 16:35	00:52:00	Cooling water flow too low

Lower Subansiri HEP



Note:

Approximate diagram of the temporary arrangement for Unit-3 auxiliary supply (for illustrative purposes only)

Rating-

Unit: 306 MVA, 16 kV

GT: 3*102 MVA, 16 kV/400 kV;

UAT-3 : 2 MVA, 16kV/433 V;

DG: 2 MVA

Annexure 2.15



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/2026/1484 - 1488

Date: 07-08-2026

सेवा में / To,
संलग्न सूची के अनुसार / As per list enclosed.

विषय / Sub: " लोकटक शटडाउन और मणिपुर से जुड़े अन्य मुद्दों पर चर्चा के लिए बैठक का कार्यवृत्त- संबंधित।

Minutes of Meeting to discuss the complete Shutdown of Loktak and other issues related to the Manipur - reg.

सर/मैडम,
Sir/Madam,

कृपया 05.08.2026 को VC के ज़रिए हुई बैठक का मिनट्स (कार्यवृत्त) देखें, जिसमें लोकटक शटडाउन और मणिपुर से जुड़े अन्य मुद्दों पर चर्चा की गई थी।
यह आपकी जानकारी और ज़रूरी कार्रवाई के लिए है।

Please find enclosed herewith the Minutes of Meeting held on 05.08.2026 through VC to discuss the complete Shutdown of Loktak and other issues related to the Manipur.
for your kind information and necessary action.

भवदीय / Yours faithfully,

कंचन चौहान
07/08/2026

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

Encl: As above

List of Addressees:

1. Managing Director, MSPCL, Electricity Complex, Keishampat, Imphal – 795 001
2. Managing Director, MSPDCL, Secure Office Bldg. Complex, South Block, Imphal – 795 001
3. ED, NERLDC, Dongtiah, Lower Nongrah, Lapalang, Shillong -793 006
4. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
5. ED, PGCIL/NERTS, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006

Minutes of the meeting held on 05.08.2026 through VC to discuss the complete Shutdown of Loktak and other issues related to the Manipur.

Member Secretary (MS), NERPC welcomed the ED, NERLDC, Managing Director, MSPCL, Managing Director, MSPDCL, CGM (AM), PGCIL and all other participants to the Special Meeting convened to deliberate the complete Shutdown of Loktak HEP of NHPC and other issues pertaining to the Manipur Power System.

MS, NERPC highlighted that, on several occasions, Manipur utilities have deputed only junior-level officers to represent in various meetings of NERPC. While appreciating their participation, he observed that the officers attending were, at times, not adequately conversant with the agenda items, technical background, regulatory provisions, or organizational decisions required for meaningful deliberations and timely resolution of issues. This has often resulted in prolonged discussions without conclusive outcomes and has delayed implementation of decisions taken in various NERPC forums.

In view of the importance of the issues under consideration, MS, NERPC requested the Managing Director, MSPCL to nominate senior officers, preferably of the level of Chief Engineer (CE)/GM or above, having adequate technical knowledge and decision-making authority, to attend future regional meetings so that discussions are meaningful and decisions can be taken expeditiously.

Thereafter, the agenda items were taken up for detailed deliberation.

1. Complete Shutdown of Loktak Power Station (3x35 MW) for Undertaking Renovation & Modernization Works

Background:

- Loktak Power Station (3x35 MW) was commissioned during May 1983 and completed its normative useful life of 35 years in May 2018.
- CERC, vide Order dated 24.07.2019 accorded in-principal approval for Renovation & Modernization (R&M) of the station for life extension, with an approved Financial Investment (FI) of ₹273.59 crore (including IDC & FC) at September 2017 price level.

- Post R&M, the Design Energy of Loktak Power Station shall increase to 562.73 MU from the existing 448 MU.
- The approved R&M scope includes refurbishment/replacement of Electro-Mechanical equipment, control & protection systems, associated auxiliaries, GSU transformer, and balance of plant systems. Execution of these works necessitates shutdowns of the generating units as well as complete shutdown of the power station in a phased and planned manner.
- The overall completion period of the R&M works is 19 months.
- The complete shutdown of Loktak Power Station during November 2025-April 2026 was approved in LGBR, and the CEA-approved Generation Outage Plan for FY 2025-26 was also discussed in the 224th OCC Meeting of NERPC. However, due to logistical constraints and delay in supply of materials by BHEL, the schedule could not be adhered to.
- The SD was again discussed in detail in 235th OCC meeting held on 20th February 2026 and again in 31st TCC for approval for SD from 4th week of March 2026.
- In the 236th OCC meeting, NHPC (Loktak) was advised to reschedule the said shutdown tentatively during October /November, 2026 to maintain maximum availability of generation during the coming summer period.

Accordingly in 240th OCC meeting NHPC has submitted the tentative schedule of SD commence from 1st November as given below:

Sl no.	Shutdown Schedule	Shut Down Period in Months	Time period	Remarks
1	Complete Shutdown of all Three Units	Six	Nov'26 to Apr'27	Common Shutdown Period of all Generating Units & 132kV Switchyard for Renovation & Modernization Works of Loktak Power Station.
2	Unit#1 Stand Alone Shutdown	Three	May'27 to Jul'27	02 Generating Units, i.e Unit-2 & 3 will be running.
3	Unit#2 Stand Alone Shutdown	Five	Aug'27 to Dec'27	02 Generating Units, i.e Unit-1 & 3 will be running.
4	Unit#3 Stand Alone Shutdown	Five	Jan'28 to May'28	02 Generating Units, i.e Unit-1 & 2 will be running.
Total		19 months		

- During the complete shutdown of the generating station (November 2026 to April 2027), the 132 kV Loktak Switchyard will also undergo renovation, rendering power transfer through the switchyard unavailable.
- Since the Rengpang area of Manipur is presently fed radially from Loktak, Manipur was advised to expedite the restoration of the 132 kV Jiribam – Rengpang transmission line to ensure reliable power supply during the shutdown period.

MSPCL vide their email dated 23.06.2026 informed that 132kV Jiribam-Rengpang line has not been restored till date due to their current financial limitation. MSPCL will not be able to restore the 132kV Jiribam - Rengpang line without the help of other funding agencies or the state Government funding, hence it is being proposed for funding under SASCI. However, the funding process will take time and the restoration work will not be completed by November, 2026.

Further MSPCL forwarded MSPDCL views that MSPDCL are not in position to concur SD consent citing the issue of winter Peak demand, upcoming state Assembly Election, high rate in short term market and load shedding.

Deliberation:

MS, NERPC stated that the timing of the complete shutdown of Loktak Power Station had already been deliberated extensively in earlier OCC meetings. In the 236th OCC Meeting, the shutdown was rescheduled to commence from November 2026 in order to maximize the availability of generation during the summer period. Further, he reiterated that as per the general practice, shutdown of Hydro Power Stations it is the best suitable during lean hydro season and shutdown schedule should not be revisited in the present meeting. The deliberations, therefore, would be limited to the implementation of the interim power supply arrangement for the Rengpang area, optimization of the shutdown schedule and restoration of 132kV Jiribam-Rengpang line.

i. Implementation of interim arrangement for power supply to Rengpang area.

NHPC requested that MSPCL execute the works required for interim arrangement to supply power to the Rengpang area during the shutdown period. However, MSPCL informed the forum that, during the discussions held in March 2026, NHPC had agreed to undertake the said work.

POWERGRID pointed out that, after implementation of the proposed interim arrangement, the Loktak–Rengpang line would effectively be fed from the Imphal side, resulting in a network comprising different conductor configurations. POWERGRID expressed concern regarding the protection and operational protocol to be followed in the event of any line tripping under the modified network configuration.

Director, NERPC observed that the detailed technical aspects relating to protection, operational protocol, and other associated issues could be deliberated separately in the OCC forum. POWERGRID was advised to submit a detailed agenda note for discussion in the next OCC Meeting.

NERLDC stated that, upon completion of the R&M works, the design energy of Loktak Power Station is expected to increase. Accordingly, NHPC was advised to coordinate with the CEA for obtaining the necessary approval with respect to the revised MU content and Design energy data of the generating station. NERLDC further requested NHPC to furnish the approved documents to NERLDC.

After detailed deliberations, the following decisions were taken:

1. The physical works, including jumpering and associated modifications required for the interim arrangement, shall be executed by **NHPC**.
2. A small technical coordination group comprising representatives from NERPC, NERLDC, NHPC, MSPCL, and POWERGRID shall be constituted to examine and finalize all technical aspects of the interim arrangement, including system configuration, protection coordination, operational clearances, and associated safety requirements.
3. The activities related to operational clearances, protection setting modifications, and FTC requirements shall be carried out by **MSPCL and POWERGRID** to facilitate timely implementation of the interim arrangement.

ii. Optimization of shutdown duration to minimize system impact.

MSPCL expressed concern over the proposed six-month complete shutdown of Loktak Power Station, stating that the shutdown period coincides with the winter peak demand season in Manipur and the forthcoming State Assembly elections. In view of the anticipated increase in demand and the need to ensure reliable power supply during this period, MSPCL requested NHPC to explore the possibility of optimizing and reducing the duration of the complete shutdown.

Representative from NERLDC informed the forum that, as per the observations of Grid-India, the peak demand of Manipur during FY 2026–27 is expected to be around 310 MW, with the maximum demand generally occurring during the months of December to February. It was further highlighted that, during the outage of the Loktak 132 kV Switchyard, the Available Transfer Capability (ATC) of Manipur would reduce from about 340 MW to approximately 315 MW. Therefore, Grid-India had advised that the shutdown duration of the 132 kV Switchyard should be minimized as far as practicable. It was also suggested that efforts be made to restore at least one bus of the switchyard at the earliest to enhance system reliability during the shutdown period.

NERLDC further highlighted the pending bay upgradation works at the Loktak end of the 132 kV Imphal (PG)–Loktak and 132 kV Jiribam (PG)–Loktak transmission lines by POWERGRID. In response, POWERGRID informed that these bay upgradation works would be completed during the proposed switchyard shutdown period so as to avoid any additional outage in future.

NHPC informed that the proposed shutdown schedule had been finalized based on the execution plan submitted by the OEM/vendor and as per the contract. However, NHPC agreed to examine the possibility of optimizing the shutdown duration in consultation with the OEM.

Member Secretary, NERPC observed that the shutdown had already been agreed to in principle from November. However, considering the concerns raised by MSPDCL,

NHPC was advised to hold further discussions with the OEM and Manipur utilities and submit a revised shutdown schedule, for consideration in the forthcoming OCC Meeting.

Decision:

NHPC shall examine the possibility of optimizing the complete shutdown period in consultation with the OEM and Manipur utilities and submit the revised shutdown timeline, if feasible, for deliberation and consideration in the ensuing OCC Meeting.

iii. Action plan for restoration of 132kV Jiribam-Rengpang line.

Director (O), NERPC requested MSPCL to update the forum on the status of restoration of the 132 kV Jiribam–Rengpang transmission line, considering its importance in ensuring reliable power supply to the Rengpang area, particularly during the proposed shutdown of Loktak Power Station.

MSPCL informed that the estimated cost for restoration of the 132 kV Jiribam–Rengpang transmission line is approximately 20 crore. The proposal has been included under the SASCI Scheme for FY 2026–27 and is presently under consideration for approval. MSPCL further informed that, upon approval of the funding, the restoration work would be taken up immediately and is expected to be completed within six months.

MS NERPC emphasized the importance of expediting the approval process and advised MSPCL to closely pursue the matter so that the restoration of the line is completed at the earliest,

Decision:

MSPCL shall closely pursue the approval of the proposed SASCI funding and undertake restoration of the 132 kV Jiribam–Rengpang transmission line on priority.

2. Frequent Tripping of 132 kV Loktak-Rengpang Line of MSPCL

During May and June 2026, the 132 kV Loktak-Rengpang Line experienced repeated trippings (18 no.), predominantly due to the operation of distance protection at different zones/locations.

Multiple blackouts in Rengpang areas due to tripping of the Loktak-Rengpang line, mainly vegetation fault, and non-availability of the Jiribam -Rengpang line.

Month	No of GDs
June'26	9
May'26	5
April'26	12

The matter has been regularly discussed in the PCC meetings and MSPCL have been urged to undertake vegetation clearance along the line on regular basis.

The situation needs urgent attention from higher management of MSPCL.

Deliberation:

Director, NERPC informed that the 132 kV Loktak–Rengpang line had experienced repeated trippings during the recent months, with 18 trippings recorded during May and June 2026. He further informed that the line had tripped 13 times during July 2026, resulting in multiple blackouts in the Rengpang area and adversely affecting the reliability of power supply.

He emphasized that the recurring trippings require urgent attention from MSPCL to ensure reliable operation of the transmission system.

MSPCL informed that continuous efforts are being made to improve the reliability of the line through regular vegetation clearance. However, it was stated that certain stretches of the transmission line pass through remote and buffer zone areas, where maintenance activities are difficult due to the prevailing law and order situation,

Member Secretary, NERPC advised MSPCL to explore engaging local community groups or agencies familiar with the area to undertake vegetation clearance works, which could facilitate timely maintenance while addressing accessibility and security concerns.

In response, MSPCL informed that it would coordinate with the local law enforcement agencies and seek their assistance to facilitate vegetation clearance and other maintenance activities in the affected stretches. MSPCL assured the forum that necessary measures would be taken on priority to reduce the incidence of vegetation-related trippings and improve the reliability of the Loktak–Rengpang transmission line.

3. Commissioning of the second circuit of 132 kV Loktak-Ningthoukhong line

High loading on the 132 kV Loktak–Ningthoukhong line during peak hours at full generation from Loktak HEP. Restoration of 132 kV Jiribam-Rengpang line and Commissioning of the second circuit of 132 kV Loktak-Ningthoukhong is the identified solution.

In 31st TCC meeting held on 11th March, Manipur informed that Second circuit of 132 kV Loktak-Ningthoukhong is being implemented under SASCI scheme.

Deliberation:

MSPCL informed that approximately 90% of the work of the second circuit of 132 kV Loktak-Ningthoukhong line has already been completed. It was further informed that this line has been included under the SASCI Scheme, and the proposal is presently awaiting approval. MSPCL stated that, upon approval of the funding, the remaining works would be completed and the second circuit is expected to be commissioned within two months.

4. Restoration of 400 kV Imphal–Thoubal Line-I & 132 kV Churachandpur–Ningthoukhong Line-I

The 400 kV Imphal–Thoubal Line-I has been under outage since 18.10.2021

The 132 kV Churachandpur–Ningthoukhong Line-I has been under outage since 04.08.2024.

Outage of the second circuit (400 kV Imphal–Thoubal Line-II) would force the Manipur system to operate radially in two parts—one fed through the 400/132 kV Imphal substation and the other through the 132 kV Loktak substation.

A similar situation was experienced on 24 April 2024, when 400 kV Imphal–Thoubal Line-II was under forced outage for an extended duration after three towers collapsed due to strong winds. Flood conditions further hampered restoration, which was finally completed in September 2024.

Hence the above lines may please be restored on priority

Deliberation:

MSPCL informed that the works of 400 kV Imphal–Thoubal Line-I had been completed. However, due to RoW constraints at one location, line diversion was required. The diversion proposal has been approved, and the requisite compensation has already been disbursed to the affected landowners.

MSPCL further informed that the remaining work involves erection of new transmission towers along the approved diversion route. The restoration work is presently in progress and is expected to be completed by **October 2026**.

Regarding 132 kV Churachandpur–Ningthoukhong Line-I, MSPCL informed that the restoration of the line has been proposed under the SASCI Scheme and the proposal is presently awaiting approval. It was further informed that the restoration work will be taken up immediately after approval of the scheme and the requisite funding.

5. Finalization of a common Detailed Project Report (DPR) for the establishment of Cyber Security Operation Centre (C-SOC) at SLDCs

During the 31st NERPC meeting, Chairperson, NERPC opined that NERPC Secretariat shall take over the responsibility of preparing the DPRs and NITs for all the constituent states (with the exception of Assam).

To achieve this, NERPC forum suggested that a Sub-Committee comprising representatives from all the concerned states, NERLDC, and NERPC be formed to thoroughly review and finalize the DPR.

Nominations from SLDC Manipur have been received via e-mail dated 04/05/2026.

In the 33rd NETeST meeting, NERPC Secretariat apprised the forum that the draft DPR has been prepared and comments are awaited from the state utilities for the BoQ part of the DPR.

In 34th NETeST meeting, Member Secretary, NERPC apprised the forum that TESC meeting of PSDF was held on 22/07/2026 wherein it was conveyed that in principle agreement had been given to the draft DPR with minor observations.

NERPC vide e-mail dated 03/06/2026 requested all the 5 NER states (Meghalaya, Manipur, Mizoram, Tripura and Arunachal Pradesh) to submit the following requisite information:

- Approval of the project from the Board / Senior Management of the respective utility.
- Format A-6, duly filled in and signed, as stipulated in the DPR.
- Detailed list of existing equipment presently available at the respective SLDC's.

Deliberation:

Member Secretary, NERPC stated that, in case MSPCL requires any clarification or assistance in submission of the requisite documents, they may coordinate with the NERPC Secretariat, which would extend all necessary support to facilitate timely compliance.

MSPCL informed that the meeting of the Board of Directors (BoD) is scheduled to be held in September 2026, wherein the proposal will be placed for approval. MSPCL assured the forum that all the requisite documents and information would be submitted shortly thereafter.

6. Review of award of AMC for SAMAST System NER States

NERPC conducted a Special meeting was held on 30th January 2026 for price negotiation in which M/s PwC and M/s Infotek has quoted prices for all seven modules of SAMSAST software for a period of 3+2 years as tabulated below:

Sl No.	Year	Cost each year (exclusive of GST)	Cost each year (inclusive of GST at prevailing rate)
1	Year-1	Rs. 65,00,000/annum/state	Rs. 76,70,000/annum/state
2	Year-2	Rs. 65,00,000/annum/state	Rs. 76,70,000/annum/state
3	Year-3	Rs. 65,00,000/annum/state	Rs. 76,70,000/annum/state
4	Year-4	Rs. 68,25,000/annum/state	Rs. 80,53,500/annum/state
5	Year-5	Rs. 68,25,000/annum/state	Rs. 80,53,500/annum/state

M/s Infotek has also given the final negotiated price for hardware part of SAMSAT system for 3+2 years which is tabulated below as:

Sl No.	Year	Cost each year (exclusive of GST)	Cost each year (inclusive of GST at prevailing rate)
1	Year-1	Rs. 35,30,800/annum/state	Rs. 29,00,300/annum/state
2	Year-2	Rs. 35,30,800/annum/state	Rs. 29,00,300/annum/state
3	Year-3	Rs. 35,30,800/annum/state	Rs. 29,00,300/annum/state
4	Year-4	Rs. 37,07,340/annum/state	Rs. 30,45,315/annum/state
5	Year-5	Rs. 38,92,707/annum/state	Rs. 31,97,581/annum/state

All states were suggested to issue LoA to M/s PWC & M/s Infotek for the hardware part of SAMAST system for NER states at the earliest.

As per 34th NETeST meeting:

State	Software part (M/s PwC)	Hardware part (M/s Infotek)	Metering and AMR part
Manipur	LoA will be issued shortly	LoA will be issued shortly	LoA will be issued to M/s Genus shortly

Deliberation:

Member Secretary, NERPPC informed about the importance of having SAMAST functional and the issue of AMC has been deliberated in various forum of NERPC. He requested, MSPCL to place the LoA to various vendors at the earliest.

MSPCL updated that the discussion for Metering & AMR part is going on with M/s Genus and M/s Kalkitech. After finalization of Metering & AMR part, the complete AMC for SAMAST would be placed to the higher authorities for issuance of the LoA at the earliest. The present status is as updated by Manipur is as given below:

State	Software part (M/s PwC)	Hardware part (M/s Infotek)	Metering and AMR part
Manipur	Terms of AMC have discussed and finalized in Feb, 2026. LoA will be issued shortly	Terms of AMC have discussed and finalized in Feb, 2026. LoA will be issued shortly	Discussion is going on with M/s Genus and M/s Kalkitech. LoA will be placed at the earliest.

7. Review of ADMS system

As ADMS is critical asset for managing demand during low-frequency and overdrawal condition of the grid and the system is also connected with SCADA/EMS system. Therefore, ADMS in a healthy operational state and AMC of the system is essential.

The status update as per **34th NETeST meeting** is as follows:

Control Centre	Original AMC Expiry (7+2)	Status as per 34th NETeST Meeting
Manipur	31-03-2025 (Expired)	Manipur has requested M/s Orbit for survey for budgetary estimates.

Deliberation:

Member Secretary, NERPC informed the forum that the AMC for the ADMS system of Manipur expired on 31.03.2025. He emphasized that maintaining the ADMS in a healthy operational condition is essential for effective demand management and grid operation, and that ensuring the system remains operational with a valid AMC is a regulatory requirement. He advised MSPCL to understand the criticality of the issue and expedite the renewal of the AMC without further delay.

MSPCL informed that the proposal for renewal of the AMC will be placed before the Board of Directors (BoD) in its meeting scheduled for September 2026. After obtaining the necessary administrative approval, and based on the budgetary estimates submitted by M/s Orbit, the Letter of Award (LoA) for the AMC will be issued.

8. Conducting third party protection audit

IEGC 2023 mandates that Protection audit of every substation (132kV and above) by an external agency have to be carried out once every five years.

In the context Manipur have to ensure that all the substations are covered by external audit by 2028.

At Present external audit for three (03) substations were carried out by NERPC.

Accordingly, MSPCL may institutionalize a mechanism for engaging competent external agencies to carry out Protection Audits in a phased manner.

Deliberation

Member Secretary, NERPC emphasized that, in accordance with the provisions of the IEGC, 2023, protection audit of all 132 kV and above substations by an external agency is mandatory at least once every five years. He urged MSPCL to engage

competent external expert agencies and initiate the protection audit of the remaining substations at the earliest so as to ensure timely compliance with the regulatory requirements.

MSPCL informed that, for initiating the process, the utility requires a tentative list of competent external agencies that have experience in carrying out protection audits. Such a list would facilitate preparation of the proposal for obtaining approval from the higher authorities.

Member Secretary, NERPC stated that the NERPC Secretariat would share a tentative list of external expert agencies with MSPCL shortly to facilitate the process.

MSPCL assured that, upon receipt of the list, the matter would be taken up on priority and necessary action for engagement of an external agency would be initiated.

9. Consistent non-submission of DR data, GD analysis report and protection performance indices which are mandated in IEGC 2023.

In line with regulation 12 (1) of CEA Grid Standards Regulations and IEGC-23 provision under clause 37.2 (c), FIR and DR & EL Outputs for each grid events are required to be submitted by concerned utilities to NERLDC for detailed investigation and analysis.

However, Manipur has been consistently defaulting in the submission of DR data, Grid Disturbance (GD) analysis reports, and Protection Performance Indices.

Deliberation

MSPCL informed that laptops have already been procured and are being distributed to the substations to facilitate retrieval and submission of DR and EL data. It was further informed that certain interface cables required for connecting the laptops to the protection relays are also being procured. MSPCL expressed confidence that, once these arrangements are completed, the rate of submission of DR data and other mandatory reports would improve significantly.

10. Issues with the protection system at Gamphazol

During last two months Gamphazol area had faced blackout due to non-operation of Protection system at the substation for the faults in the Gamphazol-Yurembam line. The matter has been discussed in the PCC meeting, wherein they have been advised to carry out the necessary testing of the circuit breakers and protection relays at Gamphazol and Karong at the earliest.

MSPCL had also informed that the root cause of the issue could not yet be identified, as the Disturbance Recorder (DR) and Event Logger (EL) data could not be retrieved.

Deliberation

NERPC apprised the forum that persistent issues have been observed in the protection system at 132 kV Gamphazol Substation, particularly with respect to the operation of the circuit breakers.

MSPCL informed that the required laptops and interface cables have now been arranged at the Gamphazol Substation, enabling retrieval and analysis of DR data, relay settings, and other protection records. MSPCL further stated that the DR data would be analyzed and that relay coordination studies, review of protection settings, and other necessary corrective measures would be undertaken at the earliest.

MSPCL also informed that, since the Gamphazol Substation was established under the NERPSIP project, the utility would coordinate with the NERPSIP team to identify and rectify the protection system issues.

MS, NERPC requested PGCIL to look into the matter and rectify the problems before handing over to MSPCL. PGCIL agreed.

11. Outstanding amounts for Manipur DSM and AS Pool:

Weekly DSM and Reactive statements have been issued upto Week-14 (06-07-2026 to 12-07-2026) of FY 2026-27 and as on date. MSPDCL had previously paid an amount of 97,00,000/- (Rupees Ninety-Seven Lakhs only dated 11-06-2026). However, the total outstanding dues payable by MSPDCL under these accounts still amounts to 17,67,46,281/- (Rupees Seventeen Crore sixty-seven Lakh forty-six Thousand Two

Hundred and eighty-one only). A detailed break-up of these dues, along with the respective billing periods, is enclosed herewith:

SN	Bills Component	Amount Outstanding	Period
1	DSM Charges	₹ 12,73,42,290	From Week 50, FY 24-25
2	DSM Interest Charge	₹ 1,43,33,705	Wk-52 of FY 21-22 to Wk-53 of FY 23-24
3	Reactive charges	₹ 13,79,335	From Week 50, FY 24-25
4	Deficit Statement	₹ 21,93,173	07-07-2025 to 24-08-2025
5	Deficit Statement	₹ 1,82,58,837	25-08-2025 to 12-10-2025
6	Deficit Statement	₹ 49,00,550	13-10-2025 to 02-11-2025
7	Deficit Statement	₹ 52,67,824	03-11-2025 to 16-11-2025
8	Deficit Statement	₹ 30,70,567	17-11-2025 to 21-12-2025
	Total	₹ 17,67,46,281	

It is also to be mentioned that, interest of 0.04% is being accrued on each day after due date for non-payment. In view of the above, NERLDC requests to look into the matter on urgent basis and facilitate for immediate clearing of outstanding payment dues.

Deliberation:

NERLDC presented the total outstanding dues to the Forum and requested Manipur to pay the total amount in full to avoid further interest liability as per the CERC Deviation and Settlement Regulations. NERLDC also stated that the LC of Manipur had expired on 08-07-2026 and the same is yet to be renewed.

CGM(I/C), NERLDC also requested Manipur to clear the dues and open the LC at the earliest and also pursue renewal of AMC of ADMS such that it may limit further excursions from Schedule by Manipur in the event of Low Frequency thus limiting the total Overdrawal by the state as a whole.

MS, NERPC stated that, as informed by Executive Director (Commercial), POWERGRID, an amount of approximately ₹20 crore towards transmission charges is also pending from the Manipur utilities. He emphasized that the continued accumulation of

outstanding dues is a matter of concern and advised MSPDCL to take necessary steps for clearing the pending payments at the earliest.

Managing Director, MSPDCL informed that, considering the prevailing situation in Manipur, the utility is presently facing financial constraints and is not in a position to clear the outstanding dues immediately. However, he assured the forum that the matter would be taken up with the Secretary (Power), Government of Manipur, to explore the possibility of arranging the required funds and expediting the payment.

List of Participants

Name	Designation
NERPC	
Sh. B. Lyngkhoi	Member Secretary
Sh. D.K.Bauri	Director
Sh V.N Muncha	Director
Smt. Kanchan Chauhan	Dy.Director
Sh. Vikash Shankar	Asst. Director
MSPCL	
Sh. Thokchom Bimol Singh	Managing Director, MSPCL
Ms. Laishram Ritu	General Manager, SLDC, MSPCL
MSPDCL	
Sh. Mangsatabam Rabi Singh	Managing Director, MSPDCL
Sh. Satyajeet Thokchom	Manger, MSPDCL
NERLDC	
Sh. Somara Lakra	CGM I/C, HOR NERLDC
Sh. Biswajit Sahu	CGM, System Operation
Sh. Marisarla Viswanadh	GM , Market Operation
Sh. Saugato Mandal	GM, System Logistics
Sh. Bibhuti Bhushan Bhoi	DGM
Sh. Yekambaram Kasani	Chief Manager
Sh. Palas Jyoti Borah	Chief Manager
Sh. Sachin Kumar Singh	Chief Manager
Sh. Anjan Kumar Pandey	Deputy Manager
Sh. Utpal Das	Deputy Manager
Sh. Keshab Borah	Deputy Manager
Sh. Sakaldeep	Deputy Manager
Sh. Asim Das	Assistant Manager
NHPC	
Sh. Nitish Kumar	GM(E), Loktak PS
Sh Lokesh Gupta	DGM(E), Loktak PS
Sh. Niraj Kumar	SM(E), Loktak PS

PowerGrid	
Sh. Manish Kumar Tiwari	CGM
Sh Ashim Kr. Paul	DGM