



North Eastern Regional Power Committee

Agenda for 55th Commercial sub-Committee Meeting

Venue: State Guest House, Agartala, Tripura

Date: May 22nd, 2025 (Thursday)

CONFIRMATION OF MINUTES

1. CONFIRMATION OF MINUTES OF THE 54th COMMERCIAL SUB-COMMITTEE MEETING OF NERPC.

Minutes of the 54th CC Meeting held on 7th February 2025 at at Borgos Resort, Kaziranga, Assam was circulated vide no. No.: NERPC/COM/CCM/2024/7344-7389 dated 11th February 2025. ***No observations have been received from constituents.***

The minutes of the 54th CCM may be confirmed.

ITEMS FOR DISCUSSION

2. RECENT KEY REGULATIONS/ORDERS:

The following CERC Regulations/Amendments/Procedures have been notified:

1. Draft Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) (Fourth Amendment) Regulations, 2025.
2. "Detailed procedure for moderating schedule up to minimum turndown level for Section 62 generators through SCED" under Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2023.

This is for information of the members.

3. AGENDA ITEMS FROM ASSAM

3.1 Transmission Charge for power supply to Arunachal Pradesh through 33KV/11KV Tie-lines for FY 2024-25:

As per the minutes of 36th and 37th CC meeting of NERPC, APDCL and DoP, GoAP are to give the cumulative reading of the power transaction made between Assam and Arunachal Pradesh through all 33KV/11KV tie lines of both the states in a financial year to NERPC and based on that NERPC would certify the transmission charges to be paid by Arunachal Pradesh to APDCL.

For FY 2024-25, APDCL has submitted the readings to both NERPC and DoP, GoAP vide email dated 03.05.2025. DoP, GoAP to do vetting of the reading. On vetting of the reading by DoP, GoAP, NERPC would issue the certification of the transmission charges so that bill for the same can be raised by APDCL to DoP, GoAP.

APDCL may update. GoAP My respond.

3.2 Difference in Drawal Schedule Between Actual Share Allocation and REA Figures:

APDCL intimated that they have observed differences between the drawal schedule based on actual share allocation and the drawal schedule reflected in the Regional Energy Account (REA) for NEEPCO's generating stations. Upon detailed analysis, a total deviation of approximately **0.656 MU** has been identified between the two data sets over the review period for FY 2024-25. While this quantum is relatively small, such mismatches—if persistent—could impact the accuracy of commercial settlements and energy accounting. The comparison is enclosed herewith for your reference (**Annexure-I**).

This agenda item is intended to seek clarification on the sources of these deviations and to ensure that the drawals as per actual share allocation align closely with those being accounted for in the REA. The forum is requested to deliberate on the possible reasons for such differences. Given that energy accounting forms the basis for billing and financial transactions, maintaining consistency between actual share allocation and REA figures is critical.

Sub-committee may deliberate.

3.3 Discrepancies in Kameng Hydroelectric Project Scheduling Data

An issue has been identified in the scheduling data of the Kameng Hydroelectric Project (HEP), where the reported cumulative schedule does not align with the sum of the month-wise full schedules in the REA, as detailed in the enclosure (**Annexure-II**). For example, for the period ending March 2021, the cumulative schedule is recorded as 589,553.2537 MWH, whereas the sum of the month-wise full schedules up to that point (e.g., 43,343.60362 + 219,751.0593 + ... + 88,117.657 MWh) totals 1,392,593.56319 MWH, indicating a mismatch. Similar differences are observed in subsequent periods, including March 2022, March 2023, March 2024, and March 2025, where the cumulative schedule and the aggregated month-wise full schedules show some inconsistencies.

Assam may update.

4. AGENDA ITEMS FROM NAGALAND

4.1 Annual Maintenance Support of the SAMAST-IT Solutions:

Implementation of Scheduling, Accounting, Metering & Settlement of Transactions in electricity (SAMAST) in Nagaland (Project ID No. 229)” has been completed in all respect. The project was successfully commissioned and Go-Live was launched on 12th Feb 2024. As per terms and conditions of RFP and the contract agreement, the warranty support period provided by Price Waterhouse Copper Ltd. (PWC) expired on 12 Feb. 2025. In this regard, the Department has been informed by PWC vide the letter under reference regarding continuation of Annual Maintenance Contract quoting a price of Rs. 3.81 Cr (exclusive of GST) for a duration of three years. However, the quoted AMC price offer appears to be considerably much on the higher side.

Nagaland may update.

5. AGENDA ITEMS FROM NEEPCO

5.1 Impact of additional Plant Auxiliary consumption of PLHPS

The profile of Plant Auxiliary consumption of Panyor Lower Hydro Power Station (PLHPS) has been changed after charging and continuous service of 400 KV, 3X26.667 MVAR (80 MVAR) bus-reactor through the 400 KV GIS at PLHPS w.e.f.

15.04.2024. The additional load of Bus -Reactor (i.e. active and reactive power) during the generation and non-generation period of PLHPS is affecting the plant auxiliary consumption. The matter has been discussed during the 214th OCC meeting on 17th May 2024 and as decided in the forum, the matter will be forwarded to CEA for further advise.

NEEPCO may explain.

5.2 Bulk Power Supply Agreement (BPSA) between NEEPCO and DoP, Arunachal Pradesh for supply of construction power to Kameng:

One Bulk Power Supply Agreement (BPSA) was signed on 04/05/2007 between NEEPCO and DoP, Arunachal Pradesh for supply of construction power to Kameng Hydro Power Station (KaHPS). As per the BPSA, tariff of electricity at 132 kV level was Rs. 3.40 per kWh with an escalation of 5% per year and subject to revision time to time based on revision of tariff by the Department or State Regulatory Commission.

Based on the Agreement, DoP Arunachal Pradesh continued to enhance the tariff every year @5% and billed to NEEPCO.

However, Arunachal Pradesh State Electricity Regulatory Commission (APSERC) vide its tariff orders dtd 30/05/2013 and 29/02/2016, tariff of electricity at 132 kV level was fixed at Rs. 3.25 per kWh w.e.f. 01/04/2013.

Instead of billing at APSERC approved rate of Rs.3.25 per kWh , DoP Arunachal Pradesh continued to bill at Rs.4.57 per kWh from April 2013 till August 2016 for which NEEPCO made an excess payment of Rs 14,34,00,291.00 to DoP, Arunachal Pradesh.

The matter was taken up with DoP, Arunachal Pradesh vide various correspondences for refund of the excess amount paid by NEEPCO.

Finally, DoP, Arunachal Pradesh acknowledged and justified the claim made by NEEPCO and intimated that an instruction has already been issued to the AE(E), Bhalukpong Electrical Subdivision for correction of tariff rate billing as per APSERC fixation from September 2016. Further in the same letter, Executive Engineer sought instruction/guidance from the Superintendent Engineer (E) in this regard. However, there was no mention about the refund of excess amount paid by NEEPCO to DoP, Arunachal Pradesh. With reference to the BPSA on

04/05/2007 between NEEPCO and DoP, Arunachal Pradesh, which was discussed and deliberated during 53rd CCM on 18/10/2024 at Itanagar regarding refund of the excess payment of Rs 14,34,00,291/- made during the period of March'2013 to August'2016. However, no action for refund of the excess amount to NEEPCO has been taken till now.

Sub-committee may please deliberate.

6. Cyber-security in SAS Upgradation (Agenda by NERTS):

1. Cyber Security in Power Sector, drafted on the guidelines from CEA-2021 warrants nullifying Cyber Intrusion attempts in critical Infrastructure such as SAS/ SCADA system of a Sub-station.
To this effect it is imperative that, Systems in place are regulated with updated Software versions/ patches and Protection mechanisms for OT systems as well as Phasing out of Obsolete systems-
2. The 03 sub-stations of NERTS, Mokokchung, Tezu and Roing are under O&M stage and SCADA: GE Make DS agile at Mokokchung and Schneider Make PACIS at Roing & Tezu had been commissioned as follows:
 - Tezu & Roing: 2016-17
 - Mokokchung : 2015
3. On the software- SAS (Substation Automation System) is operating on Windows XP and its associated Hardware. Now, win 8.1 as well as Windows XP as on date is obsolete in the market, and its Services also stopped by Microsoft. It is end Life and end of support product thus no patches/updates are available for the same-
4. In line, any End point protection will be non-compatible with the existing System and thereby increasing the attack surface, therein the Risk mitigation controls fail to be compatible with Win XP Solution-
5. Hence, with CEA Cyber security Guidelines as framework- to counter such cyber vulnerabilities it is planned to upgrade the existing SAS System in the 03 stations to an updated version, along-with the compatible Hardware requirement so as to have much more secured and patched backbone of Monitoring/ Control of a Sub-station.

The Cost estimate for the Upgradation works amount to Rs 1.5 Crore (approximately).

The Bidders will be required to perform the FAT & SAT under Indian Standards IS 15953:2011 'SCADA System for Power System Applications' as a methodical approach to the verification and validation of a substation solution thereby enabling a better Cyber Risk mitigation to the OT System

Thus, considering the requirement as part of a vision of safe and secure Power Network – the Financial Implication such Upgradation may be considered under POC Mechanism-

Sub-committee may please deliberate.

7. AGENDA ITEMS FROM NERPC

7.1 Monetization of Transmission Assets:

The Ministry of Power, Government of India, has issued "Guiding Principles for Monetization of Transmission Assets" in the Public Sector through the Acquire Own Maintain Transfer (AOMT) model under Public-Private Partnership (PPP) framework. The objective is to unlock value from brownfield transmission assets, attract institutional investments through models such as Infrastructure Investment Trusts (InvITs), and redeploy capital to expedite new infrastructure creation. A workshop was earlier conducted by CEA on 06.12.2024 in collaboration with PFCCL, PGInvIT, and NIIF, wherein key strategies were discussed with stakeholders from over 20 States/UTs and Central Ministries.

The Central Electricity Authority (CEA) has communicated vide letter no. CEA-EC-11-18(12)/1/2023-FCA Division/1170 dated 24.02.2025 for delivering a presentation on "Monetization of Transmission Assets—Capital Recycling for a Robust Grid" in the upcoming RPC forum.

Presentation on “Monetization of Transmission Assets” may be presented by F&CA Division, CEA.

7.2 NERPC Board Fund Contribution status for FY 2024-25:

The status of payment of **Board Fund for FY 2024-25** (as on 30.04.2025) is as given below:

A. Regular Members:

F.Y 2024-25					
	Constituents	Status of Payment		Constituents	Status of Payment
1	Ar. Pradesh	Payment Received	8	NTPC	Payment Received
2	Assam / APDCL	Payment Received	9	NHPC	Payment Received
3	Manipur/ MSPDCL	Payment Received	10	PTC	DUE
4	Meghalaya/ MeECL	Payment Received	11	NVVN	Payment Received
5	Mizoram	Payment Received	12	OTPC	Payment Received
6	Nagaland	Payment Received	13	NEEPCO	Payment Received
7	Tripura/TSECL	Payment Received	14	PGCIL	Payment Received
			15	NER-II TL(Indigrid)	Payment Received

B. Non-Member Participants:

Constituents	Status of Payment
KMTL	Payment Received
MUML	Payment Received
NETC	Payment Received

Concerned constituent (PTC) is requested to kindly liquidate the outstanding dues at the earliest.

7.3 The status of payment of Establishment Fund for FY 2024-25 (as on 30.04.2025) is as given below:

A. Regular Members:

F.Y 2024-25					
	Constituents	Status of Payment		Constituents	Status of Payment
1	Ar. Pradesh	Due	12	NTPC	Payment Received
2	AEGCL	Payment Received	13	NHPC	Payment Received
3	APDCL	Due	14	PTC	Payment Received
4	APGCL	Due	15	NVVN	Payment Received
5	MePTCL	Payment Received	16	OTPC	Payment Received
6	MePDCL	Payment Received	17	NEEPCO	Payment Received
7	MePGCL	Due	18	PGCIL	Payment Received
8	MSPCL	Due	19	NER-II TL(Indigrid)	Payment Received
9	MSPDCL	Due	20	TPTL	Due
10	Mizoram	Payment Received	21	TPGCL	Due
11	Nagaland	Payment Received	22	TSECL	Payment Received

B. -Member Participants:

Constituents	Status of Payment
KMTL	Payment Received
MUML	Payment Received
NETC	Payment Received

Concerned constituents are requested to kindly liquidate the outstanding dues at the earliest.

7.4 NERPC Board Fund Contribution status for FY 2025-26 – reg.

The letter for Annual Contribution towards *NERPC Board Fund* was sent to all constituents on 4th April 2025.

The status of payment of Board *Fund* for FY 2025-26 (as on 30.04.2025) is as given below:

A. Regular Members:

F.Y 2025-26					
	Constituents	Status of Payment		Constituents	Status of Payment
1	Ar. Pradesh	DUE	8	NTPC	DUE
2	Assam / APDCL	DUE	9	NHPC	DUE
3	Manipur/MSPDCL	DUE	10	PTC	DUE
4	Meghalaya/MeECL	DUE	11	NVVN	Payment Received
5	Mizoram	DUE	12	OTPC	DUE
6	Nagaland	DUE	13	NEEPCO	DUE
7	Tripura/TSECL	Payment Received	14	PGCIL	DUE
			15	MUML	DUE
			16	NETC	DUE

B. Non-Member Participants:

Constituents	Status of Payment
KMTL	DUE
NER-II TL(Indigrid)	Payment Received

Concerned constituents are requested to kindly deposit their respective amount towards “NERPC Board Fund” for FY 2025-26 at the earliest.

7.5 The status of payment of Establishment Fund for FY 2025-26 (as on 30.04.2025) is as given below:

A. Regular Members:

F.Y 2025-26					
	Constituents	Status of Payment		Constituents	Status of Payment
1	Ar. Pradesh	DUE	12	NTPC	DUE
2	AEGCL	DUE	13	NHPC	DUE
3	APDCL	DUE	14	PTC	DUE
4	APGCL	DUE	15	NVVN	DUE
5	MePTCL	DUE	16	OTPC	DUE

6	MePDCL	DUE	17	NEEPCO	DUE
7	MePGCL	DUE	18	PGCIL	DUE
8	MSPCL	DUE	19	MUML	DUE
9	MSPDCL	DUE	20	TPTL	DUE
10	Mizoram	DUE	21	TPGCL	DUE
11	Nagaland	DUE	22	TSECL	DUE
			23	NETC	DUE

B. Non-Member Participants:

Constituents	Status of Payment
KMTL	DUE
NER-II TL(Indigrid)	DUE

Concerned constituents are requested to kindly deposit their respective amount towards “NERPC Secretariat Establishment Fund” for FY 2025-26 at the earliest.

7.6 Quarterly expenditure of Board Fund and Establishment Fund:

A. NERPC Board Fund Quarterly expenditure for FY 2024-25:

B. NERPC Establishment Fund Quarterly expenditure for FY 2024-25:

“The quarterly expenditure details of NERPC Board Fund and Establishment Fund for FY 2024-25 would be placed during the meeting for information of the members.”

This is for information of the members.

7.7 Audit of Board Fund and Establishment Fund of NERPC

The NERPC Secretariat currently maintains two separate funds:

1. **NERPC Secretariat Establishment Fund**, and
2. **NERPC Board Fund**.

In line with the approval granted during the 26th TCC/NERPC meeting, the NERPC Secretariat engaged consultancy services with expertise in finance and accounting to assist in the management of these funds. As a result, an audit

was successfully completed by a Chartered Accountant (CA) for the following periods:

- **NERPC Secretariat Establishment Fund:** Audit was completed for the period 1st July 2023 to 30th September 2024
- **NERPC Board Fund:** Audit was completed for the period 1st October 2022 to 30th September 2024

In 26th TCC/NERPC it was decided that to facilitate an external audit of the above-mentioned funds, the NERPC Secretariat proposes that constituent members to nominate officers to form the audit committee. Subsequently, representatives from **Meghalaya**, **NEEPCO**, and **NERTS** are proposed to audit both funds.

8. AGENDA ITEMS FROM NERLDC

8.1 *Signing of RLDC Fee and Charges, DSM, Reactive and Ancillary services Reconciliation Statements:*

NERLDC Fees & Charges and DSM, Reactive and Ancillary services Reconciliation Statements for Q4 of FY 2024-25 have been issued on 28.04.2025 and 30.04.2025. All the users are requested to send the signed Reconciliation Statements at the earliest.

Quarterly reconciliation of TGNA bilateral payments with CTU is issued within 30 days after end of the quarter. It is requested to send the signed statement within 10 days after the issuance of the same; else, it will be deemed reconciled.

Sub-committee may please deliberate.

8.2 *Deviation Pool Account outstanding:*

Status of Deviation charges outstanding as on 06/05/2025:

घटक/Constituents	Outstanding Payable to Pool
अरुणाचल प्रदेश/ Ar. Pradesh	₹ 1,18,24,261
मणिपुर / Manipur	₹ 7,16,89,429
मिजोरम / Mizoram	₹ 19,69,912
त्रिपुरा / Tripura	₹ 4,60,31,297

All the pool members are requested to clear outstanding payable due within the stipulated time to avoid late payment surcharge.

Respective constituents may update.

8.3 Reactive charges outstanding:

Status of Deviation charges outstanding as on 06/05/2025:

घटक/Constituents	Outstanding Payable to Pool
मणिपुर / Manipur	₹ 11,64,155
मिजोरम / Mizoram	₹ 75,197

All the pool members are requested to clear outstanding payable due within the stipulated time to avoid late payment surcharge.

Respective constituents may update

8.4 Legacy Dues Outstanding:

घटक/Constituents	Outstanding Payable to Pool
मणिपुर / Manipur	₹ 3,42,44,095

Manipur is requested to take immediate necessary action in this regard.

Manipur may update.

8.5 Status of LC of NER beneficiaries

घटक/Constituents	Present Status
मणिपुर / Manipur	Expired

Manipur is requested to take immediate necessary action in this regard.

Manipur may update.

8.6 At present NERLDC has shared required details of payment /settlement for DSM till FY23-24. Therefore, NERLDC is requesting to issue the DSM and Reactive Interest Statements by NERPC as per present practice of calculation and periodicity. All the required details of payments/settlements will be provided by NERLDC.

Sub-committee may please deliberate.

8.7 Request for Expedited NOAR Registration from NER intra state generating utilities:

The Ministry of Power, Government of India, has launched the National Open Access Registry (NOAR) portal to facilitate short-term open access transactions in the electricity sector. All short-term open access transactions, whether involving inter-state or intra-state transmission, are required to be conducted through the NOAR portal.

As per the data submitted by Grid India, it has been observed that a large number of intra-states generating stations have not yet been registered on the NOAR portal. Registration of these generating stations is essential, as unregistered plants are not permitted to participate in short-term open access transactions.

The issue of registration was discussed in the 6th meeting of the High-Level Committee on implementation of the Late Payment Surcharge (LPS) Rules, 2022. The Committee recommended that all generating companies (GENCOs) should immediately register their intra-state generating plants on the NOAR portal to ensure compliance and enable seamless power transactions.

With reference to NERLDC's communications dated *03.10.2024* and *03.12.2024* to all NER states regarding the registration of intra-state generating units in the National Open Access Registry (NOAR), we wish to reiterate the importance and urgency of this matter.

It has come to our attention that intra-state generating utilities in the NER states of Meghalaya, Tripura, Mizoram, Arunachal Pradesh, and Nagaland have yet to complete their registration process in NOAR. As of now only intra state generating plants of Assam have registered in NOAR.

In alignment with the directive received from NLDC (**Annexure-III**), we kindly urge all NER intra-state generating utilities to prioritize and expedite the registration process at the earliest.

Respective constituents may expedite.

9. AGENDA ITEMS FROM NERTS

9.1 Outstanding dues:

The total outstanding dues (pertaining to both PoC as well as non-PoC billing) payable by NER beneficiaries to **CTUIL/POWERGRID** as on **30.04.2025** is detailed below: -

(All Figures in Rs. Crores)

State/DIC	Outstanding dues > 45 days	Total Outstanding dues	Remarks
Arunachal Pradesh	-	-	
APDCL, Assam	-	-	
MSPCL, Manipur	10.76	10.90	<i>Approx. 02 months receivables and outstanding Non POC arrear bills.</i>
MSPDCL, Manipur	5.29	9.60	<i>Approx. 02 months receivables</i>
MeECL, Meghalaya	-	-	
Mizoram	-	-	
Nagaland	-	4.66	<i>Approx. 01 months receivables</i>
TSECL, Tripura	-	-	

Concerned DICs with >45 days outstanding dues, viz. MSPDCL and MSPCL may be impressed upon to clear the outstanding dues immediately since POWERGRID and other transmission licensees (on behalf of whom CTUIL does the billing & collection) are facing financial constraints due to accumulation of such huge outstanding dues. **MSPCL is requested to liquidate the long-pending**

outstanding dues of POWERGRID against non-POC bills, which have also attracted audit observations.

Respective constituents may update.

9.2 Status of LC of NER beneficiaries (as per new requirement):

As it is known to all concerned that Central Transmission Utility of India Ltd (CTUIL), a subsidiary of POWERGRID, has started functioning as CTU w.e.f. 01.04.2021 as per notification dated 09.03.2021 issued by MoP, GoI and accordingly, the Billing, Collection and Disbursement of transmission charges (*for PoC billing*), a function of CTU, is being undertaken by CTUIL with effect from **01.04.2021**.

Consequent to above, separate LCs in favour of CTUIL (*for PoC Billing*) and POWERGRID (*for non-PoC billing*) in place of existing LCs, which are in favour of POWERGRID, are to be maintained by DICs in line with provisions of Regulation 19 of CERC Sharing Regulations, 2020 and to avail CTUIL rebate scheme for FY 2025-26 & 2026-27.

The status of LCs (***as per above new requirement***) of NER DICs as on **30.04.2025** is as follows: -

State/DIC	LC in favour of CTUIL (for PoC billing)	LC in favour of POWERGRID (for non-PoC billing)
Arunachal Pradesh	Available	Available
APDCL	Available	Available
MSPDCL	Available	-
MSPCL	-	Not Available
MeECL	Available	Available
Mizoram	Available	Available
Nagaland	Available	Available

TSECL	Available	Available
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STATUS OF QUARTERLY RECONCILIATION FOR Q-4 OF FY 2024-25

<u>State/DIC</u>	<u>Reconciliation in favour of CTUIL (for PoC billing)</u>	<u>Reconciliation in favour of POWERGRID (for non-PoC billing)</u>
Arunachal Pradesh	Not Received	Not Received
APDCL	Not Received	Not Received
MSPDCL	Not Received	Not Received
MSPCL	-	Not Received
MeECL	Received	Received
Mizoram	Received	Received
Nagaland	Not Received	Not Received
TSECL	Not Received	Not Received
NEEPCO	Received	Received
NHPC	Not Received	-
NTPC	Not Received	-
NETC	Received	-
OTPC	Received	-
KMTL	Received	-

Arunachal Pradesh, APDCL, MSPDCL, MSPCL, Nagaland, TSECL, NHPC and NTPC may arrange the signed reconciliation statement for Q-4 of FY 2024-25 to avoid the audit observations.

9.3 Outstanding dues for consultancy services by POWERGRID:

The total outstanding dues payable by NER beneficiaries to **POWERGRID** for providing consultancy services as on **28.04.2025** is detailed below: -

State/DIC	Outstanding dues > 1 year (Outstanding dues > 6 months	Total Outstanding dues (Cr.)	Remarks
MSPCL, Manipur	1.74	-	1.74	Annual O&M Charges FY 23-24 receivable. *Details mentioned at Sl No-1
MSPCL, Manipur	-	1.39	1.39	Annual O&M Charges FY 24-25 receivable. **Details mentioned at Sl No-1
MSPCL, Manipur	0.07	-	0.07	Load flow study (FY14-15) receivables ****Details mentioned at Sl No-3
MePTCL, Meghalaya	0.00	0.24	0.24	Annual O&M Charges FY 24-25 receivable ***Details mentioned at Sl No-2

1. The O&M Charges towards O&M of 400 KV Thoubal-Imphal Ckt -I & II (main bays & tie bays) at POWERGRID Imphal S/S, for FY 23-24 and 24-25 amounting to ***Rs.1,74,21,520/-** and ****Rs.1,39,38,160/-** respectively is yet to be realized from M/s MSPCL. **Total amount of Rs.3,13,59,680/- remains outstanding till date for which POWERGRID is facing many queries/observations in audit. Many correspondences have already been made to MSPCL, till date MSPCL is yet to respond to our communications. Last Reminder letter sent on 17.04.2025. Invoice for FY25-26 is to be raised and current is on hold.**

2. O&M Charges against 220kV Mis-Byrnhihat Ckt-I- & II-line bays at Misa S/s for FY:2024-25 amounting to *****Rs.24,79,180/-** is pending to be realized from M/s MePTCL for more than last 6 months. **Last Reminder letter sent on 13.02.2025. Amount was expected to be received by April 2025, yet the amount has not been received. Communication regarding disbursement of fund has not been received from MePTCL. Invoice for FY25-26 is to be raised and current is on hold.**
3. Consultancy fee amounting to Rs.6,60,000/- along with service tax @12.36% of Rs.81,576/- totaling to ******Rs.7,41,576/-** is yet to be realized from M/s MSPCL against the LOA placed on to POWERGRID by M/s MSPCL vide letter dtd11.04.2014 for providing services for Load flow study against the proforma invoice dtd. 16.05.2014. POWERGRID deposited advance services tax liability of Rs.81,576/- in accordance to the extant policy for submission of services tax during FY14-15. **Last Reminder letter sent on 25.04.2025.**

Respective constituents may update.

10. AGENDA ITEMS FROM OTPC

10.1 Outstanding Dues of OTPC against NER Beneficiary States:

The current total outstanding dues of OTPC against the NER beneficiary states are as below:

(Amount in Rs. Cr)		
Sl.No.	Beneficiary	Outstanding Dues (>45 Days)
1	Arunachal Pradesh	0
2	Assam	0
3	Manipur	7.41
4	Meghalaya	0
5	Mizoram	0
6	Nagaland	0
7	Tripura	0
	Total	7.41

The total outstanding dues beyond 45 days are Rs 7.41 Crores. Constituents are requested to clear the outstanding dues over 45 days, at the earliest.

Sub-committee may please deliberate

10.2 Gas Blending at Palatana Station:

After detailed presentation of the agenda during previous OCC, CC and TCC/RPC meeting, OTPC has been following up individually with all beneficiary states. OTPC has been following with the beneficiary states since November 2024 and has even held discussions in person with all beneficiaries. However, the beneficiary states except Mizoram have been taking too long to provide an in-principal approval for the blending agenda. OTPC financials have been severely constrained due to depressed fuel gas supplies and blending is essential for OTPC to maintain financially viable operations.

The forum is once again requested to impress upon the beneficiary states of Palatana to provide their approvals within May 2025.

Sub-committee may please deliberate.

DATE AND VENUE OF NEXT COMMERCIAL COMMITTEE MEETING
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As members of NERPC are aware, Commercial Sub-Committee Meetings are hosted by constituents on a rotational basis. In this regard, as per the roster approved in the 54th CCM, the upcoming 56th, 57th, and 58th CC meetings are proposed as follows:

- 56th CCM- By NTPC (in the month of Aug'25)
- 57th CCM- By Assam (in the month of Nov'25)
- 58thCCM- By Manipur (in the month of Feb'26)

ADDITIONAL AGENDA

11. AGENDA ITEMS FROM NTPC

11.1 Merit order of beneficiaries to be shared with generators every month

As per IEGC 2023 clause-49(1)(f)(iii), *'The SLDC on behalf of the intra-State entities which are drawee GNA grantees, as well as other drawee GNA grantees while furnishing time block-wise requisition under this Regulation shall subject to technical constraints, duly factor in merit order of the generating stations with which it has entered into contract(s)*

Provided that the renewable energy generating stations shall not be subjected to merit order dispatch, and subject to technical constraints shall be requisitioned first followed by requisition from other generating stations in merit order', scheduling is to be based on merit order.

In view of the same, MOD should be published by beneficiaries in public domain as well as the same may be made available to the Generators to analyze any merit order violation.

Sub-committee may please deliberate.

11.2 Holiday list of beneficiaries to be shared with generator

In accordance with Regulation 79 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024., it is requested to all the beneficiaries to provide the list of holidays as per the official State Government's calendar for the purpose of considering five days from the presentation of bill(s).

Sub-committee may please deliberate.

12. AGENDA ITEMS FROM NETC

12.1 Endorsement for consideration of NETC petition to CERC for allowing Additional Capitalization on account of works necessitated due to Force Majeure condition Damage to towers/ tower foundations of Palatana-Silchar T/L of the 400 kV D/C Palatana- Bongaigaon Transmission System

The state of Tripura witnessed very heavy rainfall and unprecedented floods in the month of August 2024, causing loss of human lives and extensive damage, destruction and loss of both public and private infrastructure & properties and subsequently the state of Tripura was declared as “Natural Calamity Affected Area” vide notification dated 27th August, 2024 by the Relief, Rehabilitation and Disaster Management, Government of Tripura.

Issue was placed in 218th

OCC meeting held on 12th September, 2024 at Guwahati. The agenda was deliberated by the subcommittee and the deliberation of the subcommittee is presented hereunder; “NETC informed the forum that due to heavy rain in Tripura massive landslides had occurred which left some towers of the line

vulnerable and prone to collapse. NETC also informed the forum that immediate action needed to be taken to restore the condition of the affected tower. NETC further requested that a subgroup under aegis of NERPC may be formed so that the same might visit the affected locations and suggest the immediate and longterm solution to the problem. NERTS suggested that on the basis of study and suggestion of the subgroup, some guidelines may be framed for future references.”

After detailed deliberation, the forum opined to form a subgroup consisting of representatives of CEA, NERPC, NERLDC, POWERGRID, IIT Guwahati, Assam, Meghalaya and Tripura. NERPC vide order No. NERPC/SE(O)/OCC/2024/3642-3649 dated 09th January, 2025 (copy enclosed as **Annexure-12.1.1** for reference) formed a subgroup to visit & inspect the vulnerable towers of the 400 kV Palatana-Silchar TL and suggest remedial measures. The subgroup visited on 20th January, 2025 & 21st January, 2025. Subsequently, the NERPC subcommittee visit report was presented in the 223rd OCC meeting and after necessary deliberation, the same was accepted by all the Constituents. Copy of the NERPC subcommittee visit report and minutes of 223rd OCC meeting is enclosed herewith as **Annexure-12.1.2** and **Annexure-12.1.3** for reference.

In line with the recommendations of the NERPC sub-committee report, a preliminary cost estimate based on the DSR, 2023 works out to Rs. 3.27 Cr. has been prepared. The work in line with the recommendations of the NERPC sub-committee has been initiated. The award for works for two locations is scheduled to be issued shortly. The tendering process for balance six locations is under process. Considering the vulnerable situation of foundation of the all Eight tower locations, the work is targeted to be completed at the earliest.

For consideration of the petition to be submitted by NETC to CERC for allowing Additional Capitalization on account of works necessitated due to force majeure (regulation 26(1)(c) of Terms & Conditions of Tariff Regulations, 2024), endorsement of forums i.e. CCM, TCC & RPC are invariably required.

Sub-committee may please deliberate.

13. AGENDA ITEMS FROM NERPC

13.1 Discontinuation of nerpc@ymail.com mail Id for official communication.

As per E-mail Policy of Government of India publish by Department of Electronics and Information Technology, Ministry of Communications and Information Technology Government of India Clause 2.1 '*Only the e-mail services provided by NIC, the Implementing Agency of the Government of India shall be used for official communications by all organizations except those exempted under clause no 14 of this policy. The e-mail services provided by other service providers shall not be used for any official communication.*'

In view of above all constituents are requested to send all the official communication related to commercial Division of NERPC through nerpc.commercial@gov.in. The current email id that is nerpc@ymail.com will be discontinued shortly. Any communication related to commercial Division of NERPC received on nerpc@ymail.com after 30th June, 2025 will not be considered

Members may please take note.

Annexure - J

NEEPCO

DRAWAL SCHEDULE AS PER ACTUAL SHARE ALLOCATION

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
KOPIL-I	8.307	36.250	36.522	36.800	33.471	29.910	30.893	19.114	13.811	17.398	22.865	23.999	309.340
KOPIL-II	6.090	9.569	9.235	9.633	9.470	9.184	9.518	4.675	4.773	6.222	5.690	2.858	86.917
KHANGDONG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
RANGANADI	27.770	42.153	63.841	83.654	55.240	37.711	76.131	28.563	19.205	3.400	0.000	16.590	454.268
DOYANG	1.752	2.289	7.450	22.383	23.258	19.391	4.111	2.884	2.628	2.089	1.648	0.965	90.847
PARE	7.969	12.295	20.937	28.078	19.853	12.449	24.500	10.072	6.445	2.608	1.241	5.626	152.071
KAMENG	16.214	21.297	33.814	35.969	35.870	34.108	35.047	25.158	17.006	13.391	11.085	13.831	292.790
TOTAL	153.910	207.550	252.438	307.341	261.960	222.843	260.570	168.906	154.741	141.170	127.409	149.689	2408.527

DRAWAL SCHEDULE AS PER REA

KOPIL-I	8.318	36.250	36.522	36.801	33.468	29.911	30.895	19.112	13.810	17.397	22.869	23.998	309.351
KOPIL-II	6.090	9.569	9.235	9.632	9.471	9.183	9.516	4.677	4.772	6.219	5.689	2.857	86.911
KHANGDONG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
RANGANADI	27.770	42.163	63.841	83.654	55.241	37.712	76.131	28.564	19.206	3.400	0.000	16.590	454.272
DOYANG	1.752	2.289	7.450	22.378	23.259	19.391	4.110	2.884	2.627	2.089	1.648	0.965	90.841
PARE	7.969	12.295	20.937	28.078	19.852	12.449	24.500	10.072	6.444	2.606	1.240	5.625	152.066
KAMENG	16.219	21.297	34.489	35.969	35.869	34.098	35.041	25.159	16.998	13.390	11.088	13.832	293.449
TOTAL	153.926	207.551	253.113	307.336	261.958	222.833	260.563	168.907	154.731	141.163	127.414	149.688	2409.182

DIFFERENCE BETWEEN THE TWO

KOPIL-I	-0.011	0.000	0.000	-0.001	0.003	-0.001	-0.002	0.003	0.001	0.002	-0.004	0.001	-0.011
KOPIL-II	0.000	0.000	0.000	0.001	0.000	0.001	0.002	-0.002	0.001	0.002	0.001	0.001	0.006
KHANGDONG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
RANGANADI	0.000	0.000	0.000	0.000	-0.001	-0.001	0.000	0.000	-0.001	0.000	0.000	-0.001	-0.004
DOYANG	0.000	0.000	0.000	0.005	-0.001	0.000	0.001	0.000	0.001	0.000	0.000	-0.001	0.006
PARE	0.000	0.000	0.000	0.000	0.000	0.010	0.005	-0.001	0.008	0.002	0.001	0.001	0.006
KAMENG	-0.005	0.000	-0.675	0.000	0.001	0.010	0.005	-0.001	0.008	0.001	-0.003	-0.001	-0.659
TOTAL	-0.016	0.000	-0.675	0.005	0.003	0.010	0.007	-0.001	0.011	0.007	-0.005	0.000	-0.656

Annexure - II

Month	Assam Share	Full Schedule in Kwh	Full Schedule in Mwh	Assam as per Allocation (in Mwh)	Drawal Schedule as per REA	ACTUAL CUMULATIVE SCHEDULE	CUMULATIVE SCHEDULE AS PER REA
Jun-20	10.8333	43343603.62	43343.60	4695.54	4900.54	43343.60	43343.60
Jul-20	10.8333	219751059.30	219751.06	23806.29	23954.23	263094.66	112311.66
Aug-20	10.8333	207769529.70	207769.53	22508.30	22636.47	470864.19	200419.75
Sep-20	10.8333	157645091.00	157645.09	17078.17	17081.95	628509.28	266907.94
Oct-20	10.8333	223099188.50	223099.19	24169.00	24279.23	851608.47	361410.19
Nov-20	10.8333	143420822.80	143420.82	15537.21	15641.36	995029.29	422291.16
Dec-20	10.8333	123412847.50	123412.85	13369.68	13281.11	1118442.14	473985.33
Jan-21	10.8333	106301124.50	106301.12	11515.92	11504.63	1224743.27	518764.91
Feb-21	10.8333	79732638.55	79732.64	8637.68	8651.07	1304475.91	552437.52
Mar-21	10.8333	88117657.72	88117.66	9546.05	9535.66	1392593.56	589553.25
	TOTAL	1392593563.19	1392593.56	150863.84	151466.24	1392593.56	589553.25
Apr-21	10.8333	73550981.83	73550.98	7968.00	7976.91	73550.98	73550.98
May-21	10.8333	191788717.00	191788.72	20777.05	20844.94	265339.70	265339.70
Jun-21	10.8333	281958390.59	281958.39	30545.40	30582.31	547298.09	547298.09
Jul-21	10.8333	410705199.00	410705.20	44492.93	44540.92	958003.29	958003.29
Aug-21	10.8333	287092533.70	287092.53	31101.60	31118.75	1245095.82	1245095.82
Sep-21	10.8333	279428458.60	279428.46	30271.32	30281.87	1524524.28	1524524.28
Oct-21	10.8333	279682090.20	279682.09	30298.80	30310.09	1804206.37	1804206.37
Nov-21	10.8333	206006806.10	206006.81	22317.34	22357.10	2010213.18	2010213.18
Dec-21	10.8333	152384211.00	152384.21	16508.24	16522.15	2162597.39	2162597.39
Jan-22	10.8333	121578228.10	121578.23	13170.93	13175.72	2284175.62	696253.60
Feb-22	10.8333	102259449.60	102259.45	11078.07	11079.93	2386435.07	798513.05
Mar-22	10.8333	150139273.90	150139.27	16265.04	16280.06	2536574.34	948652.32
	TOTAL	2536574339.62	2536574.34	274794.71	275070.76	2536574.34	948652.32
Apr-22	10.8333	34302483.85	34302.48	3716.09	3716.29	34302.48	34302.48
May-22	10.8333	211122492.20	211122.49	22871.53	22879.59	245424.98	245424.98
Jun-22	10.8333	345886073.90	345886.07	37470.88	37483.98	591311.05	249418.57
Jul-22	10.8333	378240997.10	378241.00	40975.98	41214.60	969552.05	409838.50
Aug-22	10.8333	421592369.10	421592.37	45672.37	45703.77	1391144.42	587731.65
Sep-22	10.8333	402509344.00	402509.34	43605.04	43624.59	1793653.76	757531.97
Oct-22	10.8333	354803620.00	354803.62	38436.94	38486.09	2148457.38	907331.69
Nov-22	10.8333	222139180.60	222139.18	24065.00	24073.97	2370596.56	1001034.99
Dec-22	10.8333	154736315.90	154736.32	16763.05	16765.64	2525332.88	1066292.02
Jan-23	10.8333	122460175.10	122460.18	13266.48	13275.74	2647793.05	1117965.27
Feb-23	10.8333	101111354.30	101111.35	10953.70	10960.08	2748904.41	1160625.29
Mar-23	10.8333	124972318.60	124972.32	13538.63	13539.88	2873876.72	1067950.11
	TOTAL	2873876724.65	2873876.72	311335.69	311724.23	2873876.72	1067950.11
Apr-23	10.8333	127778927.10	127778.93	13842.67	13853.99	127778.93	53924.00
May-23	10.8333	157901907.20	157901.91	17105.99	17109.26	285680.83	120518.50
Jun-23	10.8333	242656475.40	242656.48	26287.70	26231.21	528337.31	222618.44
Jul-23	10.8333	420447442.80	420447.44	45548.33	45547.53	948784.75	399903.45
Aug-23	10.8333	435330804.00	435330.80	47160.69	46964.94	1384115.56	582705.44
Sep-23	10.8333	308780030.00	308780.03	33451.07	33374.61	1692895.59	712609.71
Oct-23	10.8333	277006599.50	277006.60	30008.96	30005.62	1969902.19	828230.12
Nov-23	10.8333	165741775.00	165741.78	17955.30	17956.24	2135643.96	897681.69
Dec-23	10.8333	125682556.00	125682.56	13615.57	13618.01	2261326.52	950877.70
Jan-24	10.8333	102554112.40	102554.11	11109.99	11098.21	2363880.63	993787.56
Feb-24	10.8333	98239227.38	98239.23	10642.55	10633.21	2462119.86	1035173.15
Mar-24	10.8333	147517196.10	147517.20	15980.98	15975.79	2609637.05	1096864.10
	TOTAL	2609637052.88	2609637.05	282709.81	282368.63	2609637.05	1096864.10
Apr-24	10.8333	149669769.40	149669.77	16214.18	16219.22	149669.77	63130.19
May-24	10.8333	196588877.40	196588.88	21297.06	21297.36	346258.65	146026.07
Jun-24	10.8333	312131637.20	312131.64	33814.16	34489.23	658390.28	658390.28
Jul-24	10.8333	332025018.10	332025.02	35969.27	35969.37	990415.30	565628.50
Aug-24	10.8333	331109758.80	331109.76	35870.11	35868.69	1321525.06	1321525.06
Sep-24	10.8333	314843520.00	314843.52	34107.94	34097.52	1636368.58	1636368.58
Oct-24	10.8333	323510400.00	323510.40	35046.85	35041.44	1959878.98	1959878.98
Nov-24	10.8333	232225440.00	232225.44	25157.68	25158.72	2192104.42	2192104.42
Dec-24	10.8333	156978720.00	156978.72	17005.98	16998.24	2349083.14	1009363.34
Jan-25	10.8333	123611520.00	123611.52	13391.21	13389.84	2472694.66	2468562.82
Feb-25	10.8333	102320640.00	102320.64	11084.70	11087.52	2575015.30	2570883.46
Mar-25	10.8333	127671600.00	127671.60	13831.05	13831.68	2702686.90	2698555.06
	TOTAL	2702686900.90	2702686.90	292790.18	293448.83	2702686.90	2698555.06



ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)



[formerly Power System Operation Corporation Limited (POSOCO)]
राष्ट्रीय भार प्रेषण केन्द्र / **National Load Despatch Centre**

कार्यालय : बी-9, प्रथम एवं द्वितीय तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
Office : 1st and 2nd Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016
CIN : U40105DL2009GOI188682, Website : www.grid-india.in, E-mail : gridindiacc@grid-india.in, Tel.: 011- 42785855

Ref: NLDC/SO-I/ 248

Date: 21st Mar 25

To,
Executive Director
NRLDC/WRLDC/SRLDC/ERLDC/NERLDC

Subject: Expeditious Registration of Intra-State Generating Stations in NOAR

Dear Sir,

As you may be aware, a High-Level Committee (HLC) has been constituted under the Chairmanship of the Additional Secretary (Power) to monitor the offering of power by generators and load shedding by distribution licensees. The registration status of GENCOs in the National Open Access Registry (NOAR) has been a recurring point of discussion.

Despite earlier communications to the respective states, advising GENCOs to register in NOAR, no significant progress has been observed. In the last HLC meeting held on 3rd March 2025, Grid-India was directed to request all Managing Directors (MDs) of GENCOs to expedite the registration process on the NOAR portal. Additionally, GENCOs were asked to provide detailed reasons for the delay in registration despite continuous follow-ups.

It is pertinent to mention that registration is also essential for compliance with the Late Payment Surcharge (LPSC) Rules. In this regard, it is requested to kindly ask from each GENCO the following:

- Completion of registration of all generating stations on the NOAR portal at the earliest.
- Reasons for non-registration of the plants until now and a timeline and relevant details (expected date of registration, issues faced, etc.)

As per the minutes of the meeting (annexure-I), Grid-India is asked to present the above details in the next HLC meeting, which is expected to be scheduled soon. Therefore, consolidated inputs from all GENCOs in your region may please be forwarded to NLDC at the earliest, and latest by 28.03.2025 to facilitate compilation for the meeting.

A plant-wise list of stations, not yet registered on the NOAR portal, is attached as an annexure-II for reference.

Your cooperation in ensuring the timely submission of the required details will be highly appreciated.

Regards

S. Usha

Executive Director, NLDC

Encl.: As above

For kind information:

1. Chairman and Managing Director, Grid India
2. Director (SO/MO), Grid India

No.20/1/2024-DS(271942)

Government of India

Ministry of Power

Shram Shakti Bhawan, Rafi Marg

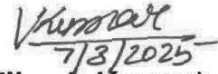
New Delhi, Date:7th March, 2025

MINUTES OF MEETING

Subject: Minutes of the 6th Meeting of the Committee to monitor offering of power by Generators and load shedding by Distribution Licensees.

The undersigned is directed to forward herewith the Minutes of 6th Meeting of the Committee to monitor offering of power by Generators and load shedding by Distribution Licensees, held on 03.03.2025 under the Chairmanship of Additional Secretary (Power), for information and necessary action.

Encl. as above


7/3/2025

(Vikash Kumar)

Under Secretary (Distribution)

Tel: 011-23705268

Email: vikash.69@gov.in

To:

All Committee Members

Minutes of 6th meeting of the High-Level Committee to monitor offering of power by Generators and load shedding by Distribution Licensees.

The 6th Meeting of the High-Level Committee was held under the chairmanship of Additional Secretary (Power) on 03.03.2025. The list of participants is at **Annexure I.**

2. Deputy Secretary (Distribution), Ministry of Power welcomed all committee members and other participants from various departments of Ministry of Power, Grid -India, RECPDCL, PFC and Officials from DISCOMs.

3. ATR of 5th Meeting was presented during the meeting. The deliberations during the meeting are summarised below.

3.1. Formation of monitoring cells and automatic compensation process

(i) It was informed that out of 36 States/UTs, monitoring cells have been formed in 5 States/UTs (Gujarat, Madhya Pradesh, Andhra Pradesh, J&K, Ladakh), and remaining States/UTs will constitute monitoring cells by March '25.

3.2. Offering of power by GENCOs under LPS rules. It was informed that 3 new gas plants have been registered on the NOAR portal.

3.3. NFMS report on power outages

It was informed that out of 2.52 lakh feeders, 2.04 lakh feeders are now monitored across all States/UTs. Further, hours of supply data is now shared with the DISCOMs on a daily basis for necessary action.

3.4. Discussion on PIB Reports on Power Outages

(i) **Telangana:** It was informed that outages were due to tree branches falling on lines and routine maintenance of LT lines. Supply was restored the next day.

(ii) **Haryana:** Representative of DISCOM informed that the outage was due to fire in the 220kV Substation, which led to a 36-hour power outage in some sectors of Gurugram.

4. After detailed deliberations, the following recommendations were made:

- a. SERCs/JERCs may be followed up to expedite the formation of monitoring cells.

(Action by: RCM Div)

- b. States/UTs may be followed up to expedite the registration of GENCOs on NOAR portal. Grid India may write to MDs of GENCOs for registration in the portal and present a report in next meeting highlighting the reasons for non-registration. **Action by: GRID-INDIA, RCM Div)**
- c. Correct hours of supply data may be acquired from Rajasthan DISCOMs (JdVVNL, JVVNL) **(Action by: RECPDCL)**
- d. Balance approximately 50,000 feeders may be integrated with NFMS portal expeditiously. **(Action by: RECPDCL)**

The meeting ended with a vote of thanks to all participants.

Annexure-I**List of Participants**

S. No.	Name	Designation
Ministry of Power		
1.	Sh. Srikant Nagulapalli	Additional Secretary (Power)
2.	Sh. Sunil Kumar Sharma	Director (RCM)
3.	Sh. Praveen Kumar Dudeja	Director (OM)
4.	Sh. Aravind Kumar M.K.	Deputy Secretary (Distribution)
Grid-India		
5.	Sh. Suhas Damhare	CGM, NLDC
6.	Sh. Anoop Sharma	Deputy Manager
RECPDCL		
7.	Sh. T. S. C. Bosh	CEO (RECPDCL)
8.	Sh. Jaspal Kushwah	GM, RECPDCL
PFC		
9.	Sh. Mayank Sharma	DGM (PFC)
DISCOMs		
10	Officials from the DISCOMs of state of Haryana and Telengana through VC.	

ANNEXURE-II

Status as on 03-03-25

Intra-state* Coal (inc. lignite) Plants			
State	Total No.	Registered in NOAR	Name of the plants NOT registered
Haryana	4	0	Panipat, Rajiv Gandhi, Yamuna Nagar, Mahatma Gandhi
Punjab	5	0	Lehra Mohabbat, Ropar, Goindwal Sahib, Rajpura, Talwandi Sabo
Rajasthan	12	3	Chhabra-II, Chhabra-I Ph-1, Chhabra-I Ph-2, Kalisindh, Kota, Suratgarh STPS, Suratgarh TPS, Giral
Uttar Pradesh	16	4	Anpara, Harduaganj, Jawaharpur, Obra, Parichha, Lalitpur, Rosa Ph-I, Barkhera, Khambarkhera, Kundarki, Maqsoodpur, Utraula
Chhattisgarh	5	0	DSPM, Korba-West, Marwa, Katghora, Swastik Korba
Gujarat	12	9	Sabarmati (D-F Stations), Akrimota (Lignite), Surat (Lignite)
Madhya Pradesh	6	2	Amarkantak Ext., Sanjay Gandhi, Satpura, Shree Singaji
Maharashtra	18	13	Bela, Dahanu, Butibori, Mihan, GEPL Ph-I
Andhra Pradesh	5	1	Dr. N. Tata Rao, Rayalaseema, Damodaram Sanjeevaiah, Vizag
Karnataka	6	2	Bellary, Raichur, Yermarus, Adani Power Limited Udupi
Tamil Nadu	8	1	Mettur, Mettur-II, North Chennai, Tuticorin, Neyveli(Z), Tuticorin St-IV, Tuticorin(P)
Telangana	6	0	Singareni, Bhadradi, Kakatiya, Kothagudem (New), Kothagudem (Stage-7), Ramagundem-B
Jharkhand	2	0	Tenughat, Jojobera
Odisha	3	1	IB Valley, Vedanta/Sterlite
West Bengal	12	0	D.P.L., Bakreswar, Bandel, Kolaghat, Sagardighi, Santaldih, Budge Budge, Haldia, Hiranmaye, Southern, Titagarh, Dishergarh
DVC	7	6	Bokaro `A` Exp.
TOTAL	127	42	85 non-registered

*incl. state IPP and plants scheduled by the state (SLDC)

Intra-state* Hydro Plants

State	Total No.	Registered in NOAR	Name of the plants NOT registered
Himachal Pradesh	12	4	Bassi, Giri Bata, Larji, Sanjay, Integrated Kashang, Shanan, Chanju-I, Baspa
Jammu & Kashmir	6	2	Lower Jhelum, Upper Sindh-II, Chutak, Nimoo Bazgo
Punjab	7	0	Anandpur Sahib-I, Anandpur Sahib-II, Mukerian-I, Mukerian-II, Mukerian-III, Mukerian-IV, Ranjit Sagar
Rajasthan	4	0	Jawahar Sagar, Mahi Bajaj-I, Mahi Bajaj-II, R P Sagar
Uttarakhand	15	1	Chibro (Yamuna), Chilla, Dhakrani, Dhalipur, Khatima, Khodri, Kulhal, Maneri Bhali-I, Maneri Bhali-II, Ramganga, Vyasi, Shrinagar, Vishnu Prayag, Khara
Uttar Pradesh	3	0	Matatila, Obra, Rihand
Madhya Pradesh	11	0	Indira Sagar, Omkareshwar, Bansagar Tons-I, Bansagar Tons-II, Bansagar Tons-III, Bargi, Gandhi Sagar, Rana Pratap Sagar, Jawahar Sagar, Madhikhera, Rajghat
Maharashtra	13	0	Bhira Tail Race, Koyna DPH, Koyna-I&II, Koyna-III, Koyna-IV, Tillari, Vaitarna, Pench, Bhandardhara St-II, Bhira, Bhivpuri, Khopoli, Ghatgarh
Chhattisgarh	1	0	HasdeoBango
Gujarat	2	0	Ukai, Kadana
Andhra Pradesh	5	0	Lower Sileru, N J Sagar RBC & Ext., Srisaillam, Upper Sileru-I&II, Srisaillam LBPH, Machkund^
Telangana	6	0	Priyadarshini Jurala, Pochampad, N'Sagar, N J Sagar LBC, Lower Jurala, Pulinchinthala
Karnataka	16	0	Almatti, Gerusoppa (Sharavathy Tail Race), Ghat Prabha, Mahatma Gandhi (Jog), Kadra, Kalinadi (Nagjhari), Kalinadi (Supa), Kodasali, Lingnamakki, Munirabad, Sharavathy, Sivasamundrum, Varahi, Bhadra, T B Dam, Hampi
Kerala	14	0	Idamalayar, Idukki, Kakkad, Kuttiyadi, Kuttiyadi Extn., Kuttiyadi Additional Extn., Lower Periyar, Nariamangalam, Pallivasal, Panniar, Poringalkuttu, Sabirigiri, Sengulam, Sholayar
Tamil Nadu	27	0	Kadamparai, Aliyar, Bhavani Kattalai Barrage-I, Bhavani Kattalai Barrage-II, Bhavani Kattalai Barrage-III, Kodayar-I, Kodayar-II, Kundah-I, Kundah-II, Kundah-III, Kundah-IV, Kundah-V, Lower Mettur-I, Lower Mettur-II, Lower Mettur-III, Lower Mettur-IV, Mettur Dam, Mettur Tunnel, Moyar, Papanasam, Parson'S Valley, Periyar, Pykara, Pykara Ultimate, Sarakarpady, Sholayar-I, Suruliyar
DVC	4	0	Maithon, Panchet, Subernrekha-I, Subernrekha-II
West Bengal	5	0	Purulia, Jaldhaka, Rammam, Teesta Low Dam-III, Teesta Low Dam-IV
Odisha	6	0	Balimela, Hirakud (Burla), Hirakud (Chiplima), Rengali, Upper Indravati, Upper Kolab
Arunachal Pradesh	2	0	Dikshi
Assam	2	0	Karbi Langpi, Myntreng
Meghalaya	9	0	Umiam St-III, Umiam St. I, New Umtru, Umiam St. IV, Myntdu St-I, Ganol, Lakroh, Sonapani, Umiam St-II
Mizoram	1	0	Serlui-B
Nagaland	1	0	Likimro
Tripura	1	0	Gumti
TOTAL	173	7	166 non-registered

*incl. state IPP and plants scheduled by the state (SLDC) ^Scheduling Jointly with Odisha

Intra-state* Gas Plants			
State	Total No.	Registered in NOAR	Name of the plants NOT registered
Haryana	1	1	
Delhi	4	3	Rithala
Rajasthan	2	0	Dholpur, Ramgarh
Uttarakhand	2	2	
Gujarat	10	6	Hazira, Baroda, Essar, Peguthan
Maharashtra	3	2	Mangaon
Andhra Pradesh	10	1	Jegurupadu Ph-I, Gautami, Grel, Jegurupadu Ph-II, Konaseema, Kondapalli, Peddapuram, Vemagiri, Vijeswaram
Tamil Nadu	6	0	Kovikalpal, Kuttalam, Valuthur, Karuppur, P. Nallur, Valantarvy
Puducherry	1	0	Karaikal
Assam	3	3	
Tripura	3	0	Baramura GT, Rokhia GT, Monarchak
TOTAL	45	18	30 non-registered

*incl. state IPP and plants scheduled by the state (SLDC)



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

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email: nerpc@ymail.com

website: www.nerpc.gov.in

No.: No. NERPC/SE(O)/OCC/2024/ 3642-3649

January 09, 2025

To

As per list attached

Sub: Formation of NERPC sub-group to visit the vulnerable towers of the 400kV Palatana-Silchar DC TL.

Sir/Madam,

In the 218th Operation Coordination Sub-Committee (OCC) Meeting (agenda C.5), NETC had informed that due to heavy rain in Tripura massive landslides had occurred which had left some towers of the 400kV Palatana-Silchar DC line vulnerable and prone to collapse. It was noted in the meeting that immediate action needed to be taken to restore the condition of the affected towers. The forum decided to form a sub-group to visit and inspect the vulnerable tower locations and suggest remedial measures. Subsequently nominations were invited from NERLDC, Powergrid, Assam, Meghalaya, Tripura and IIT Guwahati for formation of the sub-group. Based on the nominations received, the sub-group is hereby formed with the following membership –

SL. no.	Organization	Member
1.	NERPC	Sh. Vikash Shankar, Asst. Director
2.	NERLDC	Sh. Sunil Singha, Manager
3.	PowerGrid	Sh. Arindam Dam, DGM
4.	AEGCL	Sh. Asif Iqbal Jahan Mazumder, DGM
5.	MePTCL	Sh. G V Diengdoh, EE (T&T)
6.	TSECL	Sh. Dulal Chakraborty, DGM,
7.	IIT Guwahati	Prof. Vivek Padmanabha, Civil Engg. Department

The sub-group will visit the affected towers (loc. No. 200, 205, 209, 211, 217, 222 357, 364, 385 and 430) on 20.01.2025 (Monday) and 21.01.2025 (Tuesday).
NETC is requested to provide the necessary travel and lodging arrangements.

भवदीय / Yours faithfully,



(ए. दे/ A. De)

उप निदेशक / Dy. Director

Distribution List:

1. Managing Director, AEGCL, Bijuli Bhawan, Guwahati – 781 001 1.
2. Director (Transmission), MePTCL, Lumjingshai, Short Round Road, Shillong – 793 001
3. Director (Tech.), TSECL, Banamalipur, Agartala -799 001.
4. ED, PGCIL/NERTS, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
5. ED, NERLDC, Dongtiah, Lower Nongrah, Lapalang, Shillong -793 006
6. CGM, AEGCL, Bijuli Bhawan, Guwahati – 781001
7. Director, NETC, 2C, 3rdFloor, D21Corporate Park, DMRC Building Sector 21, Dwarka, Delhi-77.
8. Prof. Vivek Padmanabha, Civil Engg. Department, IIT Guwahati -781039



(ए. दे/ A. De)

उप निदेशक / Dy. Director

NERPC sub-group Report on the vulnerable tower locations of 400 kV Palatana-Silchar transmission line.

A. Background

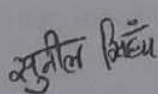
The state of Tripura witnessed very heavy rainfall and unprecedented floods in the month of August 2024, causing loss of human lives and extensive damage, destruction and loss of both public and public infrastructure & properties and subsequently the state of Tripura was declared as "Natural Calamity Affected Area" vide notification dated 27th August 2024 by the Relief, Rehabilitation and Disaster Management, Government of Tripura. A copy of the notification & relevant newspaper clippings is placed as Annexure-1 for reference.

218th OCC Meeting Held on 12th September 2024

NETC submitted an agenda (item no. C.5 – copy enclosed at Annexure-2 for reference) in the 218th OCC meeting held on 12th September 2024 in Guwahati informing about the status of the damages caused and also requesting that NETC being a single project organization with limited resources, will find it difficult to bear such major financial implications for these protection works and tower shifting necessitated due to Force Majeure and proposed that the financial implications incurred on this account may be considered. The agenda was deliberated by the sub-committee and the deliberation of the sub-committee is presented hereunder;

"NETC informed the forum that due to heavy rain in Tripura massive landslides had occurred which left some towers of the line vulnerable and prone to collapse. NETC also informed the forum that immediate action needed to be taken to restore the condition of the affected tower. NETC further requested that a sub-group under aegis of NERPC may be formed so that the same might visit the affected locations and suggest the immediate and long-term solution to the problem. NERTS suggested that on the basis of study and suggestion of the sub-group, some guidelines may be framed for future references.

After detailed deliberation, the forum opined to form a sub-group consisting of representatives of CEA, NERPC, NERLDC, Powergrid, IIT Guwahati, Assam, Meghalaya and Tripura."





NERPC order No.: No. NERPC/SE(O)/OCC/2024/3642-3649 dated 09th January 2025

NERPC vide order No.: No. NERPC/SE(O)/OCC/2024/3642-3649 dated 09th January 2025 (copy enclosed as Annexure-3 for reference) informed the formation of NERPC sub-group to visit the vulnerable towers of the 400 kV Palatana-Silchar TL with the following members to visit and inspect the vulnerable tower locations and suggest remedial measures. The sub-group visit was scheduled for 20th January 2025 & 21st January 2025.

Sl. No	Name	Designation	Organization
1.	Sh. Vikash Shankar	Asst. Director	NERPC
2.	Sh. Sunil Singha	Manager	NERLDC
3.	Sh. Arindam Dam	DGM	PowerGrid
4.	Sh. Asif Iqbal Jahan Mazumder	DGM	AEGCL
5.	Sh. G V Diengdoh, EE (T&T)	EE (T&T)	MePTCL
6.	Sh. Dulal Chakraborty.	DGM	TSECL
7.	Prof. Vivek Padmanabha.	Prof. Civil Engg. Department	IIT Guwahati

It is to mention that the nominated members from MePTCL (Sl no. 5 above) could not join the sub-group during the visit. Further, the representative from TSECL (Sl No. 6 above) requested NERPC to consider the nomination of Sh. Bathe Jamatia, Manager (Civil) in place of himself and the same was concurred by NERPC.

B. Sub-group visit on 20th & 21st January 2025 (photographs of the sub-group visit is enclosed as Annexure-4).

Day-1 (20th January 2025)

The committee visited and inspected 6 tower locations on 20th January 2025 (tower nos. 200, 205, 209, 211, 217 & 222).

Day-2 (21st January 2025)

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The committee visited and inspected 6 tower locations on 21st January 2025 (tower nos. 137, 182, 357, 385, 393 & 430).

Sub-group methodology for inspection & recommendation.

The sub-group while inspecting the 12 nos. tower locations considered the profile of the soil, topography of the area, proximity of the tower legs to edge of slope, extent of soil movement and slope failure caused by the extensive rain that occurred in Aug'24, vegetation in the proximity of tower legs etc... and recommended the following measures:

Sub-group recommendations:

	Date of Visit/ Day	Tower No	Observation & Recommendations
1	20.01.2025	200	<p>Observation:</p> <ul style="list-style-type: none">• The tower is located on a hilltop connecting forward and backward spans, both of which cross NH-08. The C leg is situated just 8 meters horizontally from the hillock edge, followed by a gradient slope of height approximately 4 meters, and then a steep slope of 18 meters height from NH-08. The slope appears to consist of loose soil with low shear strength, indicating a risk of landslides and further deterioration of the existing slope. <p>Recommendation:</p> <ul style="list-style-type: none">• It is recommended to construct an 8-meter high RRM (Random Rubble Masonry) protection wall along the NH side to protect the existing slope and soil erosion.• Further Based on the soil report, a platform for the construction of the 2nd RRM protection wall is proposed by step-cutting the soil slope along the edge of the hill and gradient sloped areas. The soil test report should be shared with Prof. Vivek Padmanabha by NETC.• The soil area after the RRM wall should be secured by covering it with geo net.
2	20.01.2025	205	<p>Observation:</p> <ul style="list-style-type: none">• The B leg is located just 7 meters horizontally from the hillock edge, with a slope of 11 meters height from NH-08. <p>Recommendation:</p> <ul style="list-style-type: none">• It is recommended to adopt a "wait and watch" approach without disturbing the existing soil conditions for the time being.
3	20.01.2025	209	<p>Observation:</p> <ul style="list-style-type: none">• Heavy soil erosion and landslides have occurred on the downhill side of Leg C. The erosion started approximately 8 meters from Leg C. Temporary protection using bamboo palisading and soil-filled

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			<p>gunny bags has been provided in 9 steps along the affected areas.</p> <p>Recommendation:</p> <ul style="list-style-type: none"> While the temporary measure may help stabilize the soil to some extent, however the tower is not fully stable. Considering the condition of loose soil and low bearing strength It is recommended to construct a 3-step Random Rubble Masonry (RRM) wall along with geo textile reinforcement to provide long-term stability and protection.
4	20.01.2025	211	<p>Observation:</p> <ul style="list-style-type: none"> Soil erosion and landslides have been observed near Legs A and D. Erosion has started approximately 9 meters from both legs. Runoff from the uphill side of the tower flows through a natural channel near Leg D, which has formed into a drain. Temporary protection using bamboo palisading and soil-filled gunny bags has been provided in 4 steps along the affected areas. <p>Recommendation:</p> <ul style="list-style-type: none"> The temporary measure may offer partial stabilization of the soil, the tower is not fully stable. It is recommended to construct a 3-step Random Rubble Masonry (RRM) wall to ensure long-term stability and protection. Additionally, two independent stone-pitched /brickbat / cement grout drainage systems should be constructed on both sides of the RRM walls to facilitate natural drainage from the uphill side.
5	20.01.2025	217	<p>Observation:</p> <ul style="list-style-type: none"> The tower is approximately 25 meters horizontally from NH-08, with a 20-meter vertical difference between the tower and NH. The tower foundation has been compromised due to cracking and sinking of the adjacent National Highway (NH-08) and the uphill slope near the tower. This has led to severe structural issues, including bending in some of the tower's bracing members and legs. <p>Recommendation:</p> <ul style="list-style-type: none"> A feasibility study should be conducted to assess the possibility of shifting the tower, as the soil in the area is highly susceptible to further movement. During the survey, options should be explored, including replacing the current tower with a suitable monopole structure or relocating the tower at position 216 to a specialized tower and directly connecting it to tower 218, bypassing tower 217.








			<ul style="list-style-type: none"> • A Random Rubble Masonry (RRM) wall with an integrated drain should be immediately constructed on the uphill side (towards highway) to prevent the slope failure and redirect the drain water from accumulation the tower foundation area and further avoid sinking. • A profile study of the downstream side of the tower should also be conducted.
6	20.01.2025	222	<p>Observation:</p> <ul style="list-style-type: none"> • The tower is located adjacent to NH-08, with Legs C and D facing NH. These legs are situated just 8 and 9 meters horizontally from the hillock edge, followed by a steep slope of 15 meters in height from NH-08. The tower connects the forward span (loc 222-223) and backward span (loc 222-221), both of which cross NH-08. <p>Recommendation:</p> <ul style="list-style-type: none"> • It is recommended to adopt a "wait and watch" approach without disturbing the existing soil conditions for the time being.
7	21.01.2025	137	<p>Observation:</p> <ul style="list-style-type: none"> • The landslide occurred approximately 10 meters from both Leg A and Leg D. A permanent protection wall was constructed at Leg D during the construction phase. Temporary bamboo palisading has been provided in five steps, and the tower is currently stable. <p>Recommendation:</p> <ul style="list-style-type: none"> • It is recommended to adopt a "wait and watch" approach without disturbing the existing soil conditions for the time being. Proper drainage for runoff water should also be ensured.
8	21.01.2025	182	<p>Observation:</p> <ul style="list-style-type: none"> • Soil erosion and landslides have been observed near Legs A and B. Erosion has started approximately 10 meters from both legs, with a 60-degree slope and a height of 25 meters from the foothill level. Temporary bamboo palisading has been provided in 3 steps, and the tower remains stable. <p>Recommendation:</p> <ul style="list-style-type: none"> • It is recommended to adopt a "wait and watch" approach without disturbing the existing soil conditions for the time being.

			<p>Observation:</p> <ul style="list-style-type: none"> The tower is located on a hillock, with an uphill slope on the A-D leg side, while the B-C and C-D leg sides are situated on a downhill terrain. Soil erosion and landslides have been observed near Leg C. Temporary protective measures consisting of bamboo palisading and soil-filled gunny bags have been provided in five steps along the affected areas. <p>Recommendation:</p> <ul style="list-style-type: none"> While the temporary measure may provide partial stabilization, the tower is not fully stable. It is recommended to construct a 2-step Random Rubble Masonry (RRM) wall, along with a dressing platform, to ensure long-term stability with a geotextile layer at the end of each step which would further offer protection of the tower foundation. Additionally, stone-pitched or brickbat drainage systems, or a cement grout drainage system, should be constructed to divert water away from the tower and prevent further erosion.
9	21.01.2025	357	
10	21.01.2025	385	<p>Observation:</p> <ul style="list-style-type: none"> Soil erosion and landslides have been observed on the downhill side of Leg D at a distance of 5 meters, and soil erosion has occurred at a distance of 12 meters from Leg C. Temporary protective measures consisting of bamboo palisading and soil-filled gunny bags have been provided in 5 steps along the affected areas. <p>Recommendation:</p> <p>While the temporary measure may help stabilize the soil to some extent, the tower is not yet fully stable.</p> <ul style="list-style-type: none"> It is recommended to construct a 1-step Random Rubble Masonry (RRM) wall, along with a dressing platform, and to backfill the area with compacted soil. The slope near Leg D should be properly maintained. Additionally, an additional RRM wall should be constructed along Leg C to provide further stabilization.

			<ul style="list-style-type: none"> Stone-pitched or brickbat drains, or a cement grout drainage system, should be installed to effectively divert water away from the tower and prevent further erosion.
11	21.01.2025	393	<p>Observation:</p> <ul style="list-style-type: none"> Soil erosion and landslides have been noticed near Leg A. The A leg is situated just 7 meters horizontally from the hillock edge, followed by a steep slope of 18 meters height from ground level. Temporary protection using bamboo palisading and soil-filled gunny bags has been provided in three steps along the affected areas. <p>Recommendation:</p> <ul style="list-style-type: none"> While the temporary measure may offer partial stabilization of the soil, the tower is not yet fully stable. It is recommended to construct a 1-step RRM wall, along with a dressing platform. Further the soil area after the Random Rubble Masonry (RRM) wall should be secured by covering it with geo net.
12	21.01.2025	430	<ul style="list-style-type: none"> Observation: Soil erosion and landslides have been noticed near Legs B and C. Erosion started at a distance of 9 meters from Leg C and 14 meters from Leg B. Temporary protective measures consisting of bamboo palisading and soil-filled gunny bags have been provided in 9 steps along the affected areas. <p>Recommendation:</p> <p>While the temporary measure may provide partial stabilization, the tower is not yet fully secured. It is recommended to construct a 2-step Random Rubble Masonry (RRM) wall, along with a dressing platform.</p> <p>Additionally, the wall should be reinforced with geo grid in the exposed areas to ensure long-term stability and protection.</p> <p>Further Stone-pitched or brickbat drains, or a cement grout drainage system, should be installed to effectively divert water away from the tower and prevent further erosion.</p>

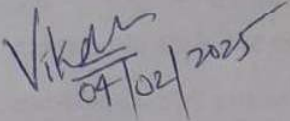
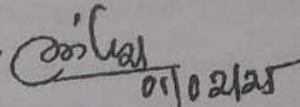
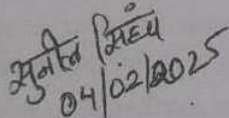
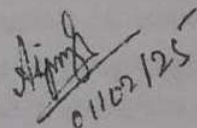
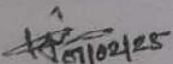
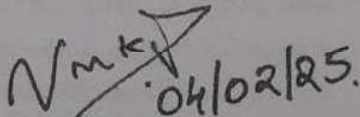
Other observations & recommendations of the sub-group.

NETC also informed the sub-group that a total of 25 tower locations have been affected due to floods & landslides caused due to the heavy rainfall in the month of August 2024 (photographs & profile details enclosed as Annexure-S), however, due to paucity of time, the other 13 affected locations could not be visited by the sub-group. NETC also informed the sub-group members that NETC has undertaken immediate temporary protection measures at 14 affected tower locations and is continuously monitoring the affected locations through extensive patrolling routines. The sub-group appreciated the NETC for its prompt and dedicated action to provide immediate protection measures to the affected towers.

The sub-group after assessing the topography / terrain of the Palatana-Silchar transmission line, general soil characteristics of Tripura and the monsoon rains in the state, also viewed / recommended the following:

1. The sub-group, after assessing the mentioned locations, is of the view that considering the geographical terrain and soil profile of the Palatana-Silchar section in Tripura, similar landslide issues may occur at other tower locations in the future. Given the importance of the 400 kV Palatana-Silchar transmission line for the stability of the entire northeastern grid, the sub-group recommends that, during the monsoon season, if such situations arise, an immediate site assessment by an expert consultant should be conducted. Necessary follow-up remedial measures should then be implemented promptly, with prior intimation to NERPC, to prevent any disruption to the power network.
2. Sub-group advised NETC to continuously monitor the conditions of vulnerable towers in the area adopt a general approach of stabilizing the slopes around the affected towers with geo-mats or geo textiles and ensure vegetation on the slopes.
3. The sub-group emphasized the critical role of the 400 kV Silchar-Palatana transmission line in evacuating power from the Palatana generation and highlighted the vulnerability of its towers, especially during the upcoming monsoon season. Given the risk of landslides in the hilly terrain, any

failure of these towers could severely impact power evacuation and grid stability. To mitigate this risk, the sub-group recommended continuous monitoring of vulnerable towers by NETC and immediate site assessments by expert consultants if instability is detected. Necessary measures should be implemented promptly to ensure the secure evacuation of Palatana generation and prevent major grid disturbance.

 Name: Sh. Vikash Shankar Designation: Asst. Director. Organization: NERPC	 Name: Sh. Arindam Dam Designation: DGM Organization: Powergrid.
 Name: Sh. Sunil Singha Designation: Manager. Organization: NERLDC	 Name: Sh. Asif Iqbal Jahan Mazumder Designation: DGM Organization: AEGCL
 Name: Sh. Batho Jamatia. Designation: Manager, Civil Organization: TSECL	 Name: Prof. Vivek Padmanabha, PhD Designation: Asst. Professor, Civil Engg. Department Organization: IIT Guwahati, INDIA.

In view of the above and for carrying out above works for system improvement & prevent unwanted damage in the equipment which may lead to prolonged outage, the shutdown of 20MVAR Bus Reactor was taken on 30.01.25 on emergency basis and requires the shutdown of 20MVAR Bus Reactor at Aizwal Ss up to 20.02.2025 18:00Hrs.

Deliberation of the sub-committee

Forum noted that use of Natural Ester oil at the place of Mineral oil in the transformer is system improvement work and had approved the original shutdown for the work in the 200th OCCM. Further, NERPC highlighted that the further shutdown caused due to violations observed in oil parameter testing has to be properly justified by Powergrid for considering the outage under system improvement category. PowerGrid assured to provide the necessary justification for the same shortly.

AGENDA FROM NETC

2.17. NERPC Sub-group Report on the vulnerable tower locations of 400 kV D/C Palatana-Silchar Transmission Line of NETC

NERPC Sub-group Report on the vulnerable tower locations of 400 kV D/C Palatana-Silchar Transmission Line of NETC is hereby presented for the consideration of the forum (**Annexure 2.17**). This report was prepared based on the site visit of the sub-group at Agartala on dated 20.01.2025 & 21.01.2025 as per recommendation of the 218th OCCM.

Deliberation of the sub-committee

Forum stated that the report will be attached with the minutes of the meeting and circulated to the state utilities for review/comments. Further, the forum stated that states have to be provide comments, if any, within 10 days of circulation of the minutes.