सत्यमेव जयते

भारत सरकार/ Government of India
विद्युत मंत्रालय Ministry of Power
उत्तर पूर्वी क्षेत्रीय विद्युत समिति
North Eastern Regional Power Committee
एन ई आर पी सी कॉम्प्लेक्स,डोंग पारमाओ, लापालाङ, शिल्लॉंग-७९३००६, मेघालय
NERPC Complex, Dong Parmaw, Lapalang, Shillong - 793006, Meghalaya

No. NERPC/TCC & NERPC/2025-26/8642-8717 Date: 30th March, 2026

सेवा में / To:

1. **NERPC Members' List**
2. **TCC Members' List**

विषय/Sub: 31वीं TCC और 31वीं NER विद्युत समिति की बैठकों का कार्यवृत्त / Minutes of the 31st TCC & 31st NER Power Committee Meetings – Reg.

महोदय/महोदया,

31वीं टीसीसी और 31वीं एनईआर पावर कमेटी की बैठकों का कार्यवृत्त, जो 11 और 12 मार्च 2026 को आइजोल में आयोजित की गई थीं, आपकी जानकारी और आवश्यक कार्रवाई के लिए संलग्न है। यह एनईआरपीसी की वेबसाइट: https://www.nerpc.gov.in पर भी उपलब्ध है।

Sir/Madam,

Please find enclosed herewith the Minutes of the **31st TCC and 31st NER Power Committee** meetings held on 11th and 12th Mar'26 respectively at Aizawl, Mizoram for your kind information and necessary action. The same is also available on NERPC website: https://www.nerpc.gov.in.

भवदीय/Yours faithfully,

30/3/2026

(बी. लिंगखोई /B. Lyngkhoi)
सदस्य सचिव/Member Secretary

NERPC Members List:

1. Hon'ble Dy. Chief Minister & In-charge of Power, Govt. of Arunachal Pradesh, Itanagar - 791 111
2. Hon'ble Power Minister, Govt. of Assam, Dispur-781006
3. Hon'ble Minister of Power, Govt. of Manipur, Imphal – 795 001
4. Hon'ble Minister of Power, Govt. of Mizoram, Aizawl - 796 001
5. Hon'ble Minister of Power, Govt. of Nagaland, Kohima - 797001
6. Hon'ble Minister of Power, Govt. of Tripura, Agartala-799001
7. Member (GO&D), CEA, Sewa Bhavan, R. K. Puram, New Delhi - 110 066
8. Commissioner & Secretary (Power), Govt. of Arunachal Pradesh, Itanagar – 791 111
9. Principal Secretary (Power), Govt. of Assam, Dispur, Guwahati - 781 006
10. Commissioner & Secretary (Power), Govt. of Manipur, Imphal - 795001
11. Commissioner & Secretary (Power), Govt. of Meghalaya, Shillong - 793001
12. Commissioner & Secretary (Power), Govt. of Mizoram, Aizawl - 796001
13. Principal Secretary (Power), Govt. of Nagaland, Kohima - 797001
14. Principal Secretary (Power), Govt. of Tripura, Agartala – 799001
15. Chairman, APDCL/AEGCL/APGCL, Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001
16. CMD, MeECL (MePDCL/MePGCL/MePTCL), Lumjingshai, S. R. Road, Shillong - 793 001
17. Chairman, TSECL, Agartala - 799001
18. Managing Director, AEGCL, Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001
19. Managing Director, APDCL, Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001
20. Managing Director, APGCL, Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
21. Managing Director, TSECL, Agartala - 799001
22. Managing Director, TPGL, Agartala - 799001
23. Chairman & Managing Director, NEEPCO Ltd., Lower New Colony, Shillong - 793 003
24. Director (Technical), NHPC Ltd., NHPC Complex, Sector-33, Faridabad, Haryana - 121 003
25. Director (Finance), NTPC Ltd. NTPC Bhawan, Scope Complex, Institutional Area, Lodhi Road
26. Managing Director, OTPC, 6th Floor, A-Wing, IFCI Tower -61, Nehru Place, New Delhi – 110019
27. Managing Director, NETC, 3rd Floor, DMRC Building, Dwarka Sector-21, New Delhi-77
28. Director (Operation), POWERGRID, Saudamini, Plot No. 2, Sector-29, Haryana – 122 001
29. CEO, NVVNL, Core 5, 3rd Floor, Scope Complex, 7 Institutional Area, Lodhi Road, Delhi – 03
30. Chairman & Managing Director, PTC, NBCC Tower, 15 Bhikaji Cama, Place, New Delhi – 110066
31. COO, CTUIL, Plot No.2, sector-29, Gurgaon, Haryana – 122001
32. ED, NLDC, B/9, Qutub Institutional Area, Katwaria Sarai, New Delhi – 16
33. ED, NERLDC, Dongtieh-Lower Nongrah, Lapalang, Shillong- 793006
34. CEO, MUML, DLF Cyber Park,Udyog Vihar Phase 3 Rd,Sector 20, Gurugram, Haryana-122008

Copy to:

PS to Chairman, NERPC and Hon'ble Minister of Power, Govt. of Meghalaya, Shillong – 793001

सदस्य सचिव/**Member Secretary**

TCC Members -Copy for kind information

1. Director (Transmission), MePTCL, Lumjingshai, S.R. Road, Shillong – 793 001
2. Director (Distribution), MePDCL, Lumjingshai, S.R. Road, Shillong – 793 001
3. Director (Generation), MePGCL, Lumjingshai, S.R. Road, Shillong – 793 001
4. Managing Director, MSPCL, Electricity Complex, Keishampat, Imphal – 795 001
5. Managing Director, MSPDCL, Secure Office Bldg. Complex, Near 2nd MR Gate, Imphal – 795 001
6. Director (Tech.), TSECL, Bidyut Bhaban, Banamalipur, Agartala -799 001.
7. Director (Generation), TPGL, Bidyut Bhaban, Banamalipur, Agartala -799 001.
8. Director (Tech.), NETC, 3rd Floor, DMRC Building, Dwarka Sector-21, New Delhi-77
9. GM (Transmission), TPTL, Bidyut Bhaban, Banamalipur, Agartala -799 001.
10. Executive Director (O&M), NEEPCO Ltd., Lower New Colony, Shillong-793003.
11. Regional ED (East –II), NTPC, 3rd Floor, OLIC Bldg., Pl No- N.17/2, Nayapalli, Bhubaneswar-12
12. Executive Director, NERTS, PGCIL, Lapalang, Shillong - 793006
13. GGM/HoD (O&M), NHPC Ltd., Sector-33, Faridabad, Haryana-12103.
14. Executive Director (Marketing), PTC, NBCC Tower, 15 Bhikaji Cama, Place, New Delhi – 110066
15. Chief Engineer (GM), CEA, 6th Floor, Sewa Bhawan, R.K.Puram New Delhi-110066.
16. Engineer-in-Chief, P&E Dept., Govt. of Mizoram, Aizawl – 796 001
17. Engineer-in-Chief, Dept. of Power, Govt. of Nagaland, Kohima – 797 001.
18. Chief Engineer (TPMZ), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 1
19. Chief Engineer (WEZ), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 1
20. Chief Engineer (EEZ), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 1
21. Chief Engineer (Commercial) -cum- CEI, Deptt. of Power, Govt. of Arunachal Pradesh, Itanagar- 11
22. VP (Plant), OTPC, Palatana, P.O Udaipur, Gomati Dist., Tripura – 799105
23. GM (BD), NVVNL, Core 5, 3rd Floor, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi-3
24. CGM, AEGCL, Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
25. CGM, APGCL, Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
26. CGM, APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
27. CGM (LDC), SLDC Complex AEGCL, Kahelipara, Guwahati-781019.
28. Head of SLDC, Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111
29. Head of SLDC, Dept. of Power, Govt. of Manipur, Keishampat, Imphal-795001
30. Head of SLDC, MeECL, Lumjingshai, S.R. Road, Shillong-793001
31. Head of SLDC, P&E Dept., Govt. of Mizoram, Aizawl-796001
32. Head of SLDC, Dept. of Power, Govt. of Nagaland, Dimapur
33. Head of SLDC, TSECL, Agartala – 799001
34. ED, NLDC, Grid-India, B-9 (1st Floor), Qutab Institutional Area, Katwaria Sarai, New Delhi-16
35. Dy. COO, CTUIL, Plot No.2, Sector-29, Gurgaon, Haryana-122001
36. Executive Director, NERLDC, Grid-India (POSOCO), Lapalang, Shillong – 793006
37. Head & VP- Regulatory & Contracts, ENICL, Windsor Building, Kalina, Santacruz (East), Mumbai-400098
38. Head (O&M), MUML, DLF Cyber Park,Udyog Vihar Phase 3 Rd,Sector 20, Gurugram, Haryana-122008

Special Invitee(s):

1. Chief Engineer (NPC), CEA, Sewa Bhavan, R. K. Puram, New Delhi – 110066

Non-member participants:

1. Head, Transmission, KMTL, 7th Floor, Fulcrum, Sahar Road, Andheri (E), Mumbai-400099
2. COO, IndiGrid, Unit No. 101, Windsor, Off CST Road, Vidyanagari Marg, Kalina, Santacruz East, Mumbai 400 098

सदस्य सचिव / Member Secretary

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

उत्तर पूर्वी क्षेत्रीय विद्युत समिति

North Eastern Regional Power Committee

MINUTES

OF

31ST TCC & NERPC MEETINGS

(UNDER THE AEGIS OF P&ED, MIZORAM)

Venue	**:**	**KTP Youth Recreation Centre, Aizawl**
Date (TCC & NERPC)	**:**	**March 11th & 12th 2026**

Contents

MINUTES OF 31st TCC & NERPC MEETINGS HELD ON 11th & 12th MARCH'2026

1. MEETING SCHEDULE, CONFIRMATION OF MINUTES & ACTION TAKEN REPORT

1.1. Meeting Schedule

Sl. No.	Meeting	Date	Time	Venue
1	TCC	11.03.2026	10:30 Hrs	KTP Youth Recreation Centre, Aizawl
2	NERPC	12.03.2026	11:00 Hrs	KTP Youth Recreation Centre, Aizawl

31st TCC & 31st North Eastern Regional Power Committee (NER Power Committee) meetings held on 11th and 12th March 2026 respectively at Aizawl, Mizoram. The meetings were hosted under the aegis of P & ED, Mizoram. The list of participants is enclosed at **Annexure – I & II.**

1.2. Confirmation of the minutes of 30th TCC & NERPC Meetings

The minutes of the 30th TCC & 30th North Eastern Regional Power Committee (NER Power Committee) meetings held on 13th and 14th November'2026 respectively at Hotel Taj Dal View, Srinagar, J&K, were circulated vide letter no. NERPC/TCC & NERPC/2025-26/3120-3199 dated 25th November'2025.

No comments were received from constituents.

TCC may confirm the minutes of above meetings.

Deliberation of the TCC:

TCC forum recommended the 30th NERPC minutes for the concurrence of the NERPC forum.

NERPC confirm the minutes of above meetings.

Deliberation of the NERPC:

NERPC forum approved the 30th NERPC MoM.

Proceedings of the 31st TCC Meeting

Sh. J H Malsawma, Engineer-in-Chief, P&ED, Mizoram in his welcome address, extended a warm welcome to all esteemed members to the 31st TCC meeting in the beautiful city of Aizawl. He wished all the delegates and participants a pleasant stay and productive deliberations during the meeting.

Smt. Pansngiat Sun, TCC Chairperson & Director (Transmission), MePTCL, welcomed participants to Aizawl and expressed gratitude to the Mizoram P&E Department and NERPC. During her address, she highlighted the following critical areas:

- She cautioned that ongoing Middle East conflicts threaten India's renewable energy integration by disrupting crucial international supply chains, particularly for Battery Energy Storage Systems (BESS).
- Anticipating a strong El Niño in 2026 and a peak regional demand of 4.4 GW, she emphasized the need for precise hydro scheduling, uninterrupted thermal and gas plant availability, and the urgent resolution of transmission bottlenecks.
- She warned of severe cybersecurity and real-time monitoring risks resulting from delays in the SCADA-EMS upgrade, which has stalled due to POWERGRID's reluctance to execute the AMC.
- She requested the forum to deliberate on PMU installations and urged regional DISCOMs to align their Resource Adequacy Plans with the

CEA's long-term transmission reports. Finally, she strongly appealed to the Ministry of Power for a dedicated funding scheme (similar to NERPSIP) to support critical system reliability projects for financially constrained NER states.

Her full speech is placed at **Annexure – III.**

Sh. B. Lyngkhoi, Member Secretary, NERPC, welcomed all dignitaries and members to the 31st TCC Meeting. He expressed gratitude to the P&ED, Mizoram, for hosting the meeting in Aizawl and for their excellent arrangements to ensure a comfortable stay for all esteemed delegates. He highlighted the recent regulatory developments by CERC and CEA, urging active participation from all stakeholders to share comments and address the region's specific concerns before final regulations are notified. He informed the forum regarding the significant achievement of receiving PSDF Committee approval for the SCADA-EMS upgradation and replacement systems across the NER, which will be implemented by POWERGRID under a 70:30 funding ratio between PSDF and the NER states.

He congratulated NHPC on the successful commissioning of Units 2 and 3 of the Subansiri Lower Hydroelectric Project, along with the completed trial run for Unit 1. He also informed that the North Eastern Region achieved significant operational progress by successfully meeting an all-time peak demand of 4200 MW in September 2025 without any shortages, and he highlighted the national milestone of crossing 500 GW installed capacity with over 51% contributed by non-fossil fuel sources.

He further outlined a strategic roadmap for the development of the NER power sector, focusing on accelerating the region's hydropower potential to establish it as India's hydro hub, promoting other renewable energy sources like Solar, BESS, and Pumped Hydro, and continuing investments in transmission infrastructure. He also stressed the critical need to reduce AT&C losses and improve the financial viability of DISCOMs.

He concluded by emphasizing that access to reliable and affordable electricity is a cornerstone of socio-economic development and urged collaborative efforts to propel the region's power sector towards greater efficiency and sustainability. He thanked the participants for their attention and wished everyone a successful and productive meeting.

His full speech is placed at **Annexure – IV.**

Proceedings of the 31st NERPC Meeting

Shri F. Rodingliana, Hon'ble Power Minister of Mizoram, welcomed all dignitaries to the 31st NERPC Meeting in Aizawl. He highlighted the state's progress in power generation, mentioning the ongoing construction of the 24 MW Tuirini Hydel Project funded by the NDB, alongside upcoming projects like the 132 MW Tuivai HEP and 102 MW Tlawng HP. He informed the forum about the state's solar achievements, including the commissioned 10 MW Thenzawl plant, a 5 MW plant currently underway, EOIs floated for another 46 MWp, and Mizoram's recent recognition by MNRE as a best-performing state under the PM Surya Ghar Yojana. He stated that Mizoram is making significant strides in transmission and transformation, detailing various completed and upcoming substations, a Rs. 47.8 crore NESIDS project for system strengthening via HTLS conductors, and ongoing RDSS works for loss reduction, smart metering, and ensuring full village electrification.

He impressed upon the need for a unified voice among North Eastern states regarding Pumped Storage Projects (PSP), noting that current guidelines offer minimal benefits to the host states providing the land and resources. He stressed the need for Central Government support, urging for the revival of Small Hydro Power incentive schemes, Net Present Value (NPV) exemptions for small hydel projects in forest areas, and the efficient utilization of the 10% GBS for the region. He strongly pushed for at least 20% of the 10% GBS

allocation to be specifically set aside for the Power Sector, requesting this matter be included in the next NERPC agenda.

He concluded his address by inviting delegates to attend the Chapchar Kut festival in Aizawl and thanked everyone for their renewed commitment to their shared mission.

His full speech is placed at **Annexure – V.**

Shri Metbah Lyngdoh, Chairman NERPC and Hon'ble Power Minister of Meghalaya, welcomed all dignitaries to the 31st NERPC Meeting and expressed his sincere gratitude to the Power & Electricity Department of Mizoram for hosting the event in Aizawl. He emphasized that despite the North Eastern Region's unique challenges, such as difficult terrain and poor connectivity, the power sector is perfectly positioned to take the lead in the region's overall development story. He expressed heartfelt gratitude to the Government of India for supporting the SCADA/EMS upgradation works across the NER states through the PSDF, noting that 70% of the project cost will be provided as a grant with POWERGRID acting as the implementing agency.

Addressing the long-term transmission needs outlined in the CEA's resource adequacy plan for 2034-35, he highlighted the severe financial constraints faced by the NER states and strongly urged the Ministry of Power to provide dedicated financial assistance, similar to the NERSIP scheme. He also brought significant attention to the prohibitive costs of executing developmental projects due to the high Net Present Value (NPV) charged for forest land diversion. Pointing out that the NER has an exceptionally high forest coverage, he proposed that the Central Government either exempt the NER states from NPV, pay it on their behalf, or revise the charging mechanism to be proportional to a state's forest cover percentage.

He underscored the region's immense potential for Pumped Storage Projects (PSPs), which are critical for integrating renewable energy and stabilizing the grid. To overcome the high execution costs, he requested the Government of India to treat PSPs on par with solar and wind projects, provide GST exemptions for the NER, and enhance budgetary support for enabling infrastructure. On the critical issue of cyber security, he welcomed the 90:10 PSDF funding for establishing indigenous Cyber Security Operation Centres (C-SOC) at SLDCs. To ensure standardization and cost-effectiveness, he directed the NERPC Secretariat to prepare a unified and common Detailed Project Report (DPR) for all the constituent NER states.

Finally, he highlighted capacity building as a top priority, announcing the creation of a dedicated training fund under the NERPC Establishment fund to upskill constituents in operations, protection, and cyber security starting this year. He also urged the NERPC Secretariat to actively follow up on the PSDF-supported capacity-building program on “International Best Practices in Energy Transition”.

He concluded by emphasizing that the NER power system requires strategic investments and robust policy frameworks to ensure sustainable development across the region

His full speech is placed at **Annexure – VI.**

1.3. Action Taken Report on decisions taken in 30th TCC/NERPC Meetings

Action taken report on decisions taken in 30th TCC & NERPC Meeting is enclosed (**Annexure-1.3**) for kind information.

1.4. Arrangement of Agenda of 31st TCC & 31st NERPC Meetings

SN	DESCRIPTION	CATEGORY
1	ITEMS FOR DISCUSSION	A
2	ITEMS FOR APPROVAL	B
3	COMMERCIAL ISSUES	C
4	ITEMS FOR INFORMATION /UPDATE	D
5	ITEMS RECOMMENDED FOR REFERRAL TO SUB-COMMITTEE	E

2. PART-A: ITEMS FOR DISCUSSION

2.1. Progress of SCADA-EMS upgradation/replacement systems at Regional/State level in North-Eastern Region: NERLDC, DoP AP, P&ED, Mizoram

With reference to the NER SCADA/EMS ULDC-III Project which the 26th Monitoring Committee of PSDF had assigned to POWERGRID for implementation, attached as **Annexure-2.1.1**. PSDF has agreed to provide 70% of the cost of the project as grant and 30% of the cost of the project shall be contributed by POWERGRID as an equity.

NERPC had convened a special meeting on 30.01.2026 in which NERPC, States of NER, NERLDC and POWERGRID had deliberated regarding the way to take this project forward. In the meeting, Member Secretary, NERPC advised POWERGRID to communicate a letter along with the tentative tariff for project as well as AMC phase addressing each of the State's Management.

Accordingly, POWERGRID wrote a letter to NER-SLDC vide ref. CC-GA&C-NER ULDC III-01 dated 25.02.2026, has prepared a Cost estimate for the Project based on the DPR inputs received from Grid-India submitted for PSDF funding in 2024. The cost of the project is estimated at ₹484.61 Cr. excluding AMC based on the latest 'Schedule of Rates' of POWERGRID. The abstract of the Project is enclosed at **Annexure-2.1.2**. The project life has been considered as 7 years from the date of Operational Acceptance, and the Project implementation period is 24 months.

Further, as per the MoM of PSDF Monitoring Committee,

"……70% funding provided as a grant through PSDF and remaining 30% cost to be recovered through tariff. It was also decided that the consultancy charges of POWERGRID to the extent of 100% will be funded through PSDF. The POWERGRID shall

be the implementing agency for this project and the PSDF grant shall be released to POWERGRID in line with PSDF guidelines…."

Accordingly, the following may be deliberated:

1. Confirmation from NER-SLDCs, through respective Board/Government approvals, regarding acceptance of the 70:30 funding arrangement (PSDF Grant: POWERGRID Equity) as stipulated by the Monitoring Committee.

TCC may deliberate.

Deliberation of the TCC:

MS, NERPC apprised the forum that the existing SCADA/EMS ULDC Phase-II system is currently operating on an extension, necessitating the timely execution of Phase-III. He clarified that while 100% PSDF funding was initially anticipated, the final approval is restricted to 70% as per the decision of Monitoring Committee of PSDF. He categorically informed the state utilities that 100% funding is not feasible and the 70:30 funding ratio is final.

State-wise Consent on 70:30 Funding Mechanism:

- **Assam, Meghalaya, Nagaland,** and **Tripura** conveyed their agreement to the 70:30 funding mechanism. Assam requested detailed tariff calculations to facilitate formal Board approval.
- **Manipur** stated that the proposal will be placed before their Board of Directors for approval.
- **Mizoram** informed that the matter is currently under internal discussion.
- **Arunachal Pradesh (DoP)** agreed in principle, subject to the following stipulations being met:
    - No revised cost estimates (cost overruns) should be there.

- Clear modalities detailing the roles and responsibilities of all participating utilities must be established.
- Release of funds should be strictly tied to project progress and certified by the beneficiary entities.
- Quality monitoring, including Factory Acceptance Tests (FAT) and Site Acceptance Tests (SAT), must be conducted in the presence of DoP officials.
- Comprehensive capacity building for state personnel must be included in the scope.

Deliberation on Annual Maintenance Contract (AMC) part of the project:

- **POWERGRID** sought clarification regarding the execution of the AMC, citing a lack of clarity on recovery of AMC charges as per CERC regulations, and initially suggested that the state utilities should independently undertake the AMC.
- **NERLDC** noted that the AMC was included in the initial PSDF proposal. They suggested that tariff-related modalities could be discussed separately, citing precedents like the UNMS/URTDSM projects.
- **NERPC** emphasized that bifurcating the project execution and AMC may necessitate by requiring states to approach PSDF separately for AMC funding which would cause severe delays.
- **ED, NERLDC** highlighted that similar projects in other regions operate effectively under the RTM without PSDF funding. Therefore, it is imperative that POWERGRID executes the AMC.
- **TCC Chairperson** requested all the States to formally consent to the 70:30 arrangement and urging POWERGRID to undertake the AMC responsibilities.
- **POWERGRID** subsequently agreed to request their higher management for approval to take up the AMC. Powergrid further apprised the forum

that the final cost of the project would be informed after issuance of LOA.

Recommendations:

1. TCC forum noted the general consensus of the constituent states on the 70:30 funding arrangement. States requiring BoD approval (**Assam, Manipur**) or internal clearances (**Mizoram**) shall expedite the process and communicate their formal consent.
2. All the states opined that the AMC component of the project should also be executed by Powergrid along with the project implementation as approved by PSDF Monitoring Committee.
3. A special meeting will be convened by NERPC Secretariat among the concerned stakeholders to finalize the detailed mechanism and modalities of the project.

NERPC may discuss.

Deliberation of the NERPC:

Mizoram representative conveyed their consent to proceed with the 70:30 funding arrangement. Regarding the AMC execution, POWERGRID reiterated that taking it up still requires their higher management's approval. However, TCC Chairperson emphasized that the comprehensive DPR originally submitted already includes the AMC component. Consequently, MS, NERPC strongly urged POWERGRID to proactively convince their management to execute the AMC to ensure seamless operations and maintenance of the project post-commissioning.

Decisions / Recommendations of the NERPC:

1. NERPC forum noted the consensus among the constituent states, including the formal agreement from Mizoram, for implementation of the NER SCADA/EMS ULDC-III Project under the 70:30 funding mechanism.

2. Emphasizing that the comprehensive DPR already includes the AMC, the forum advised POWERGRID to proactively take up the matter with their higher management to secure the necessary approvals for executing the AMC component.
3. A special meeting shall be convened by the NERPC Secretariat with all concerned stakeholders to finalize the detailed mechanism and commercial modalities for the project including execution of the AMC.

The Committee noted as above.

Action: NERPC, PGCIL & NER States.

2.2. Ensuring appropriate representation in OCC/PCC/CCM/NeTesT meetings: NERPC

In accordance with **Chapter–IV, Rule–24, Clause–B of CBR–2024 of NERPC,** the *Operation Sub-Committee (OCC)* has been constituted. As per the provisions of the said rule, each constituent organization of NERPC is required to nominate **one technical representative at the level of Chief Engineer or equivalent** from their organization to the Operation Sub-Committee.

Further, as per **Chapter–IV, Rule–24, Clause–D,** the *Protection Sub-Committee (PCC)* has been constituted. In accordance with the provisions of this clause, each constituent organization of NERPC is required to nominate **one representative at the level of Chief Engineer or equivalent,** specifically dealing with **power system protection and/or testing,** to the Protection Sub-Committee.

Further, as per **Chapter–IV, Rule–24, Clause–D,** the *Protection Sub-Committee (PCC)* has been constituted. In accordance with the provisions of this clause, each constituent organization of NERPC is required to nominate **one representative at the level of Chief Engineer or equivalent,** specifically dealing with **power system protection and/or testing,** to the

Protection Sub-Committee. It has been observed in the recent OCC, PCC, CCM and NeTeST meetings of the RPC that, in several instances, only junior-level officers have been deputed by some constituent utilities/organizations. While their presence is appreciated, it has been noted that the officers attending are at times not adequately conversant with the agenda issues, technical background, regulatory provisions, or decision-making authority required for meaningful deliberation.

OCC, PCC, CCM and NeTeST meetings are critical platforms under the RPC forum. Effective discussion, timely decision-making, and accountability require participation of senior officers equivalent to the level of Chief Engineer (CE) or above, who are empowered to take informed decisions and provide commitments on behalf of their respective organizations.

In view of the above, it is proposed that:

1. All constituent utilities/organizations shall ensure nomination of a senior officer not below the rank equivalent to Chief Engineer (CE) to attend OCC and PCC meetings.
2. The senior officer may be accompanied by the concerned junior officer/technical representative handling the subject matter for detailed inputs and follow-up actions.
3. In unavoidable circumstances where the designated senior officer is unable to attend, prior intimation may be given to the RPC Secretariat along with nomination of an alternate officer of equivalent rank.

TCC may deliberate.

Deliberation of the TCC:

Member Secretary, NERPC expressed concern that deputing junior officers to crucial sub-committee meetings is creating significant bottlenecks in the decision-making process. He reiterated that as per the NERPC Conduct of Business Rules (CBR), participation by Chief Engineer (CE) level (or

equivalent) officers is a mandatory requirement. He strongly urged all utilities to ensure that senior officers, ideally accompanied by their junior officers, to attend all future sub-committee meetings of NERPC to facilitate prompt resolution.

TCC noted and referred it to NERPC for guidance.

Deliberation of the NERPC:

Member Secretary, NERPC, observed that the quality of presentations and inputs from state utilities during the preceding OCC and PCC meetings was notably inadequate. It was further noted that the deputed officers lacked the necessary mandate to provide definitive commitments or make decisions on behalf of their respective organizations.

Chairperson, NERPC, directed all constituent states to recognize the seriousness of the matter. It was emphasized that any representative attending these sub-committee meetings must be duly empowered and possess the authority to make requisite decisions.

Decisions / Recommendations of the NERPC:

1. NERPC forum advised all concerned utilities to ensure compliance with the NERPC CBR by mandatorily nominating officers not below the rank of Chief Engineer (or equivalent) for all future sub-committee meetings (OCC/PCC/CCM/NeTeST).
2. It was also advised that the attending representatives of utilities must be fully conversant with the agenda topics and possess the requisite authority to take binding decisions/commitments on behalf of their respective organizations to avoid procedural delays.

The Committee noted as above.

Actions: By all concerned utilities

2.3. Participation of DISCOMs in sub-committees of NERPC: NERPC

During the 235th OCC meeting, Resource Adequacy (RA) assessment for the period (April-July 2026) was deliberated in detail. It was observed that meaningful assessment of Resource Adequacy requires active participation of DISCOMs, as demand projections, resource tie-ups, short-term procurement strategies, and operational constraints primarily rest at the distribution level. The Committee noted that in the absence of DISCOM representation, comprehensive deliberation on RA studies and operational planning remains constrained. Accordingly, it was discussed that concerned DISCOM officers should mandatorily attend OCC meetings to facilitate informed and effective discussions on Resource Adequacy and operational planning matters.

Subsequently, letters were issued to the individual States on 25.02.2026 communicating the findings of the Resource Adequacy assessment and the projected demand–supply gaps, advising them to proactively finalize advance procurement arrangements to minimize dependence on short-term market purchases during the anticipated high-demand period.

Further, as directed in Hon'ble CERC report on Planning for safe, secure, and reliable integrated operation of the power system during critical periods arising on account of seasonal variations under order dated 07.10.2024 in Suo-Motu Petition No. 9/SM/2024, states/SLDCs are requested to adopt proactive approach to plan their procurement in advance and minimise the dependence on last-minute Day-Ahead Markets (DAM) and real time markets (RTM) purchases, as these do not guarantee availability of power during high-demand periods.

The assessment aims to facilitate timely and appropriate actions, including advance procurement of power, optimization of internal generation, and coordination for bilateral/market purchases, to mitigate potential resource gap in the NER grid during the forthcoming high-demand period.

States are therefore requested to undertake proactive and advance procurement planning, optimize internal generation, and firm up bilateral arrangements well in advance so as to ensure that no overdrawal or power shortage arises in real-time operation during the critical high-demand period.

Further state should ensure concerned DISCOM officers should mandatorily attend OCC meetings to facilitate informed and effective discussions on Resource Adequacy and operational planning matters.

TCC may deliberate.

Deliberation of the TCC:

MS, NERPC highlighted that accurate Resource Adequacy (RA) assessment and demand forecasting are highly challenging for SLDCs without the active involvement of DISCOMs. Consequently, the forum opined that all States must ensure regular participation of concerned DISCOM officers in future OCC meetings of NERPC.

TCC noted and referred it to NERPC for guidance.

Deliberation of the NERPC:

- Member Secretary, NERPC, brought the observations of the TCC before the Board, highlighting the persistent absence of DISCOMs from various sub-committee meetings of NERPC.
- It was noted that while transmission utilities, generation companies, and SLDCs regularly participated, the lack of representation from the distribution sector created a significant operational void.
- Further, he emphasized that DISCOMs played a vital and irreplaceable role, particularly in Resource Adequacy assessments and operational planning. Without their active participation, including ground-level demand projections and resource tie-up data, SLDCs faced

considerable difficulty in accurately forecasting demand and conducting meaningful operational planning.

Decisions / Recommendations of the NERPC:

1. NERPC forum concurred with the TCC's assessment and firmly mandated that all constituent states must ensure the regular and active participation of concerned nodal officers from their respective DISCOMs in all future OCC and relevant sub-committee meetings.

The Committee noted as above.

Actions: By all concerned utilities

2.4. Protection Audit of NER: NERPC

Third-party protection audit is generally required to be conducted by the respective utilities once in every 5 years. However, for critical substations identified based on system importance and event analysis, NERPC constitutes audit teams to carry out third-party audits.

NERPC has already:

- Circulated an audit calendar.
- **Shared standardized audit formats for uniform implementation.**

The compliance status of Internal and Third-Party Protection Audits is reviewed regularly in PCCM meetings.

However, during the **88th PCCM**, it was observed that:

- The progress of Third-Party Protection Audit in NER is significantly slow. Status of External audit is given below:

Sr No	Utility/Constituent	Total S/s	Audited S/s
1	Ar. Pradesh	9	3
2	Assam	82	0
3	Manipur	17	2
4	Meghalaya	22	19
5	Mizoram	13	3
6	Nagaland	11	6
7	Tripura	18	0
8	Powergrid (NERTS)	22	9
9	NTL	2	0
10	KMTL	1	1
11	MUML/NBTL	1	1 *(NBTL done)*
12	NEEPCO	10	2 *(Kameng, AgBPS)*
13	OTPC (Palatana)	1	1

Sr No	Utility/Constituent	Total S/s	Audited S/s
14	NTPC (BgTPP)	1	1
15	NHPC (Loktak)	1	1
16	APGCL	5	0
17	TPGCL	3	0
18	MEPGCL	8	0
19	Dikshi HEP (IPP)	1	0
Total		**228**	**49**

- Some State Utilities informed that delays are primarily due to **financial constraints** for engaging external audit agencies.
- MS, NERPC clarified that NERPC can facilitate third-party audits only for selected critical substations, whereas utilities must develop their own institutional mechanism for timely compliance.
- It was emphasized that audit compliance is a **statutory requirement under IEGC 2023**, and delay may adversely impact grid reliability and protection system preparedness.

Accordingly, PCCM recommended that the matter be placed before RPC for appropriate directions and sensitization of higher management of utilities.

TCC may deliberate.

Deliberation of the TCC:

- **MS, NERPC** expressed serious concern over the delayed progress of third-party Protection Audit of NER, specifically highlighting that states like Assam has completed zero audits out of their 82 substations, primarily citing cost implications and financial constraints.
- He further emphasized that the fundamental objective of these audits is to ensure that the substations are maintained in a healthy and secure operating condition.
- **MS, NERPC** clarified that while NERPC facilitates audits for a few identified critical substations, it is practically impossible for NERPC to undertake audits for all substations across the region. Utilities must develop their own institutional mechanisms to comply with this mandate.

Recommendations:

1. Constituent utilities must take immediate ownership and execute the pending third-party protection audits by mobilizing their internal funding.
2. To address the financial constraints raised by the state utilities, it was clarified and agreed upon that the expenditure incurred in conducting these mandatory statutory audits can be claimed by incorporating it into their respective tariff petitions.

TCC noted and referred it to NERPC for guidance.

Deliberation of the NERPC:

- MS, NERPC apprised the Board of the significantly slow progress of statutory third-party protection audits across the region. He noted that while the NERPC team facilitates audits for selected critical substations, states face a massive backlog. Citing Assam as an

example, he highlighted that audits for their 82 substations are yet to be carried out and the tentative estimated cost is around ₹4-5 Crores.

- Assam acknowledging the status, explained that the delay is primarily due to financial burden, as their internal funding sources are currently fully exhausted and tied up in other ongoing transmission projects. To make the process financially viable, Assam proposed a phased execution, suggesting they start with the 220kV substations first.
- Representatives from Mizoram and Tripura took note of the concerns and assured the forum that they would expedite the process and complete the pending protection audits for their respective substations.

Decisions / Recommendations of the NERPC:

1. Acknowledging the financial constraints, NERPC advised all the concerned utilities to adopt a prioritized, phased approach, commencing immediately with the third-party protection audits of the substations.
2. Ratifying TCC's recommendation, the forum firmly reiterated that these audits are a statutory requirement under IEGC 2023 for maintaining grid security. Respective utilities are directed to mobilize internal funds to execute the pending audits and subsequently claim the incurred expenditure by incorporating it into their respective tariff petitions/ARR.
3. Mizoram and Tripura have agreed to complete the audit as per calendar and the forum directed remaining constituent states to strictly adhere to the audit calendar and submit regular compliance progress reports to NERPC Secretariat.

The Committee noted as above.

Actions: By all concerned utilities

2.5. Capacity building for NER constituents on emerging technologies of Power Sector to be funded through PSDF or any other funds NERPC: NERPC secretariat

During the 29th TCC/RPC meeting, the forum had agreed for a capacity building program on "International Best Practices in Energy Transition with Study program" and proposed for PSDF funding. The estimate for the proposal was obtained from PowerGrid. Subsequently, NERPC secretariat had sent the DPR to PSDF secretariat on 14.10.2025 based on the estimate submitted by PGCIL.

In 30th TCC/NERPC Meeting, Member Secretary, NERPC informed that capacity building on emerging technologies (such as Battery Storage, green hydrogen, integration of large renewable solar & wind power, cyber security etc) is very much essential to cope up with this technology.

Member (GO&D) CEA, informed that the priority for PSDF fund has already been fixed by the Government for some critical projects such as Battery Storage, NER SCADA, Cyber Security etc. The above proposal will be delayed for waiting under PSDF fund.

CMD, MeECL proposed that the program can be self-funded with one time contribution from the utilities to NERPC Establishment Fund.

After detailed deliberation, the forum agreed, in-principle, to the proposal of self-funding. Member Secretary, NERPC stated that the amount of contribution (utility wise) required and other details will be presented in the next RPC meeting.

TCC may deliberate.

Deliberation of the TCC:

MS, NERPC apprised the forum that other regions like WRPC and NRPC had already submitted their DPRs under PSDF for 70:30 funding. Consequently, the forum decided to adopt this 70:30 funding model for NER participants.

Further, NERPC Secretariat will take up the matter with PSDF Secretariat for further discussion.

TCC noted and referred the same to NERPC for approval.

Deliberation of the NERPC:

- **MS, NERPC** apprised the Board of the TCC's recommendation for a **70:30 funding mechanism** (70% PSDF Grant: 30% Constituents) for NER participants. This aligns with ~~extant PSDF guidelines and~~ similar capacity-building proposals already submitted by WRPC and NRPC.
- NERPC Secretariat informed the forum that they would formally take up this revised funding approach with the PSDF Secretariat.

Decisions / Recommendations of the NERPC:

1. NERPC forum approved the adoption of the 70:30 funding model for the capacity building program.
2. The forum advised NERPC Secretariat to pursue the matter with the PSDF Nodal Agency and decided that further financial modalities (including the utility-wise 30% counterpart contributions) will be brought back to the Board for finalization only after receiving approval from PSDF.

The Committee noted as above.

Actions: NERPC.

2.6. Creation of "Training head" under NERPC Establishment Fund for training purpose for the constituent members: NERPC

NERPC has created a dedicated **"Training Head"** under NERPC Establishment Fund to facilitate training programs for constituent organizations. The objective is to enhance technical and managerial capabilities of engineers and officers through training in key areas such as system operation, protection, cyber security, and commercial aspects of the power sector, thereby improving overall knowledge and skill levels.

During the 29th TCC/NERPC Meeting, the forum agreed to the creation of this "Training Head" for capacity building and domestic training initiatives and recommended the same to NERPC for concurrence.

NERPC beneficiaries will nominate its representatives for the identified trainings.

29th TCC/RPC forum agreed for the creation of "Training Head" in NERPC Establishment fund.

In 30th TCC/NERPC, Member (GO&D), CEA congratulated NERPC for creation of such training head. He informed that recently he has taken the additional charge of DG NPTI. He also informed that suitable training course will be identified in NPTI and NERPC members can send their nominations for capacity and skill building for their officers. Forum congratulated Member (GO&D), CEA for his appointment as DG(NPTI).

Subsequently, NERPC has kept budget provision of Rs 25 Lakhs for FY 2026-27 under Training head.

TCC may deliberate.

Deliberation of the TCC:

MS, NERPC apprised the forum that a dedicated "Training Head" has been created under NERPC Establishment Fund specifically to facilitate domestic capacity building and skill enhancement for constituent utilities. He further informed that a budget provision of ₹25 Lakhs has been allocated for FY 2026-

27 to conduct technical and managerial training programs, including potential courses through NPTI.

TCC concurred with the budgetary allocation for the upcoming financial year and referred the same to NERPC for approval.

Deliberation of the NERPC:

NERPC forum noted TCC's recommendation regarding the formal creation of a dedicated "Training Head" under the NERPC Establishment Fund to facilitate domestic capacity building and skill enhancement. Acknowledging the necessity of technical and managerial training for constituent utilities, NERPC forum approved the budgetary allocation of ₹25 Lakhs for FY 2026-27 under this newly created head.

The Committee noted as above.

Action: NERPC.

2.7. Summer preparedness by NER utilities for reliable power supply: NERLDC

Assam demand in upcoming summer is expected to cross 3 GW and NER total demand is also expected to cross 4.4 GW. In view of this all utilities are requested to take all necessary action to meet the summer demand. Several constraints were observed in meeting this maximum demand, which are highlighted below:

a. Rangia area of Assam

- N-1 outage of the 220 kV Rangia–BTPS D/C along with high loading of the 132 kV Rangia–Motanga line is leading to severe low-voltage conditions.

- High power import (more than 60 MW) from the 132 kV Rangia–Motanga line and low voltage (around 117 kV) in this area also impacts the Bhutan power system.
- SPS for tripping of the 220 kV Rangia–BTPS D/C is presently in place.
- Early commissioning of 400/220 kV Rangia substation along with downstream network development will provide reliable power supply in this area.

b. Bongaigaon area of Assam

- N-1 contingency of 2 × 160 MVA, 220/132 kV ICTs at BTPS remains a concern.
- SPS exists for load tripping on outage of any one ICT at BTPS.
- Early commissioning of 220/132 kV Gossaigaon (Agomoni) substation with associated downstream works is long-term measure.

c. Sonabil area of Assam

- Under N-1 condition, outage of either the 132 kV Sonabil–Depota or Sonabil–Ghoramari line may lead to grid disturbance.
- No SPS is currently available.
- Commissioning of the 132 kV Balipara–Misamari D/C and other approved connectivity to enable utilization of Balipara ICTs is envisaged as the long-term solution.

d. Capital & Samaguri area of Assam

- N-1 outage of the 400 kV Bongaigaon–Azara line results in high loading on 220 kV Balipara–Sonabil D/C and Agia–BTPS D/C.
- SPS exist for the capital area includes tripping of 220 kV Misa–Samaguri D/C, 220kV Balipara–Sonabil D/C and 220 kV Sarusajai-Azara DC.

- An SPS for load relief exist on outage of one of the 2 × 315 MVA ICTs at the 400/220 kV Azara substation.
- Implementation of the 400 kV Sonapur substation and strengthening of downstream corridors will provide long-term relief.

e. **Ningthoukhong area of Manipur**

- 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.

f. Capital region of Manipur system.

- 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.

g. Low Gas Generation Availability in Tripura system

- High loading is observed on the 132 kV S.M. Nagar–S.M. Nagar line.
- Increasing generation from Rokhia and Baramura is expected to mitigate the constraint.

All transmission utilities or licensees should keep ERS in readiness, preferably at more than one stores, so that these can be transported to any affected area in the region/state at the least time.

The above system constraints have already been discussed in various OCC and RPC meetings, and concerns regarding reliable and secure system operation have been raised. Utilities are requested to provide the current status of above ongoing projects and do the needful for early commissioning of above elements/lines which are critical for safe and secure grid operation.

In the 235th OCC meeting, the forum emphasized the importance of preparedness of all utilities to effectively handle the upcoming summer period. All utilities were directed to adhere strictly to the stipulated timelines for completion of their respective projects and preparedness activities.

TCC may deliberate.

Deliberation of the TCC:

- **Assam** informed the forum that the mitigation and capacity augmentation works are being executed using internal funding sources. The project-wise status was updated as follows:
    - **Rangia Substation:** Commissioning is targeted for December 2026 to resolve the low-voltage issues impacting the area and the Bhutan power system.
    - **Gosaigaon:** Targeted for completion by June 2026.
    - **Sonapur:** The original commissioning timeline of November 2026 is likely to face delays, with the revised target pushed to April 2027.
- **Manipur:**
    - Second circuit of 132 kV Loktak-Ningthoukhong is being implemented under SASCI scheme.

- Addressing the high loading in the Ningthoukhong and Capital regions, the utility stated that there is currently heavy dependency on the Imphal-Thoubal Line-2.
- The immediate priority is the restoration of the 132kV Jiribam-Rengpang line, targeted for March 2026. Restoring this line will significantly alleviate the forced radial operation. While there were some RoW issues, they are now almost clear, and a detailed status report will be submitted shortly.

- **Tripura:** Regarding the high loading on the 132 kV S.M. Nagar–S.M. Nagar line (exacerbated by low gas generation availability), it was informed that the re-conductoring work will be completed by the 2nd week of April 2026.

TCC forum advised all concerned utilities to strictly adhere to the revised timelines for their respective ongoing projects especially for Jiribam-Rengpang by March 2026, S.M. Nagar HTLS by April 2026, and Gosaigaon by June 2026) to ensure grid security during the peak summer months.

TCC referred it to NERPC for information.

Deliberation of the NERPC:

- **MS, NERPC** briefed the Board on the commitments made by the states during the TCC meeting to handle the anticipated peak summer demand. He informed the forum that Assam has firmly assured they will strictly maintain their system as per grid requirement.
- Manipur, providing an update on the 132kV Jiribam-Rengpang line, apprised the forum of persistent RoW issues. Further, Manipur clarified that restoring the line by the March 2026 target is not possible under the current circumstances. The utility is currently exploring alternative options, including diverting the transmission line route to bypass the subjected RoW portion.

Decisions / Recommendations of the NERPC:

1. NERPC forum took on record Assam's commitment to maintain their project schedules and directed all other concerned utilities (including Tripura for the 132kV S.M. Nagar–S.M. Nagar line by April 2026) to expedite their ongoing works to ensure regional grid security during the upcoming summer months.
2. Taking note of the constraints raised by Manipur, the forum directed the utility to expedite the route diversion feasibility study for the 132kV Jiribam-Rengpang line. Manipur is advised to resolve the RoW bottlenecks at the earliest and complete the restoration work before shutdown of Loktak HEP.

The Committee noted as above.

Action: Assam, Manipur & Tripura.

2.8. NERGS-II Dibang Basin: CTU

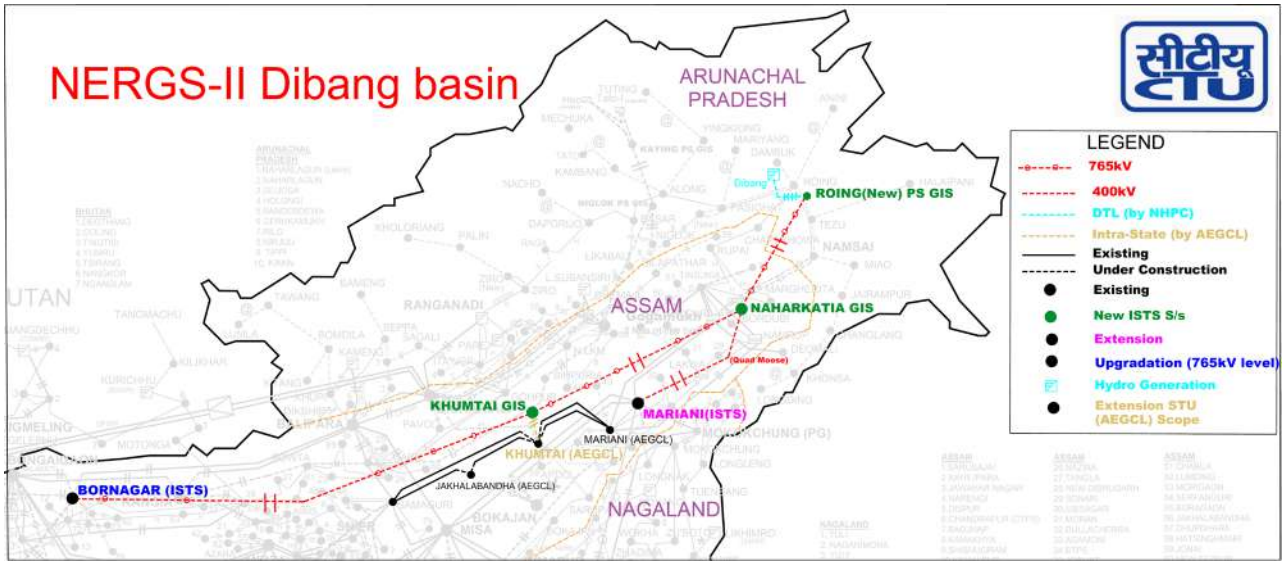
Sl. No.	Items	Details
1.	**Name of scheme**	NERGS-II Dibang Basin
2.	**Scope of the scheme**	Brief scope of works is given below. Detailed scope of works is enclosed at **Appendix-A.** i. Establishment of 3x1500MVA, 765/400kV S/s at Roing (New) PS GIS S/s in Arunachal Pradesh (with space provision of 6000MW LCC HVDC station to be established in future) ii. Establishment of 2x1500MVA, 765/400kV S/s at Naharkatia GIS S/s in Assam iii. Establishment of 2x1500MVA, 765/400kV S/s at Khumtai GIS S/s in Assam iv. Roing (New) PS – Naharkatia 765 kV D/c line

Sl. No.	Items	Details
		v. Naharkatia – Khumtai 765 kV D/c line vi. Khumtai – Bornagar 765 kV D/c line vii. Naharkatia – Mariani (POWERGRID) 400 kV D/c (Quad) line viii. Establishment of 765kV level at Bornagar (ISTS) S/s *[Bornagar 400kV switching station is under implementation under NERES-XXV (Part-A) scheme]* ix. Extension at Mariani (POWERGRID) S/s Detailed scope of works is enclosed at **Appendix-A.**
3.	**Depiction of the scheme on Transmission Grid Map**	Refer **Exhibit-1**.
4.	**Upstream/downstream system associated with the scheme**	• Dibang (2880 MW) hydro generation of NHPC Ltd. in Arunachal Pradesh will be pooled at Roing (new) PS through Dibang – Roing (New) PS 400kV 2xD/c (Ampacity: 1700 A or more per ckt) DTL along with associated bays at both ends (*to be implemented by NHPC*). • Khumtai (ISTS) – Khumtai (AEGCL) 400kV D/c (Quad) line along with associated bays at both ends (*to be implemented by AEGCL under Intra-state*).
5.	**Objective / Justification**	NHPC limited had applied for ISTS Connectivity of 2880MW for its Dibang Hydro Electric Project in Arunachal Pradesh. A Master Plan Report for power evacuation from potential HEPs in Brahmaputra basin was published by CEA in October 2025, wherein transmission systems for various HEPs in Brahmaputra basin have been identified including Dibang HEP. The augmentation in ISTS have been envisaged in the said report to be implemented as common transmission system to evacuate power of HEPs in the Brahmaputra basin (para 17.8 of the report). Based on the evacuation system mentioned in the Master Plan; considering the timeline of 2031 of Dibang HEP; and requirement of about 4-5 years for approval, award and

Sl. No.	Items	Details
		implementation of the transmission scheme in hilly terrain of NER; the said 2880MW ISTS Connectivity application was agreed to be granted in the 51st CMETS-NER held on 29-01-2026 with subject "NERGS-II Dibang Basin" scheme to be implemented under ISTS as common augmentation for subject and other potential HEPs in Dibang basin. The "NERGS-II Dibang Basin" scheme shall facilitate evacuation of about 3.5-4GW Hydro capacity in Dibang sub-basin. Detailed scope of works is enclosed at **Appendix-A.**
6.	**Estimated Cost**	***11570 crores***
7.	**Impact on the total Annual Transmission Charges in % along with the existing ATC**	A. ATC (considering levelized tariff @15% of estimated cost): ***1735.5 Crores*** B. Present ATC: ₹47466.79 Cr.* C. A/B **3.66%**
8.	**Need of phasing, if any**	Nil
9.	**Implementation timeframe**	27-09-2031
10.	**Inclusion of any wild life/ protected area along the transmission line route**	***To be intimated in the meeting***
11.	**Deliberations with RPC along with their comments**	**NERPC may add their deliberations here.**
12.	**System Study for evolution of the proposal**	Refer **Exhibit-2**.

**Total YTC allowed for January 2026, as per notification of transmission charges payable by DICs for billing month of March 2026 dated 25-02-2026 published on NLDC website (available @ https://webcdn.grid-india.in/files/grdw/2026/02/Notification%20of%20Transmission%20charges%20for%https://webcdn.grid-india.in/files/grdw/2026/02/Notification%20of%20Transmission%20charges%20for%20DICs%20for%20the%20billing%20month%20of%20March,2026_616.pdf)*

Exhibit-1



Appendix-A

Scope of Works of "NERGS-II: Dibang Basin" scheme

Sl. No.	Scope of the Transmission Scheme	Capacity (MVA) / Line length (km)/ Nos.
1.	Establishment of 3x1500MVA, 765/400kV S/s at Roing (New) PS GIS S/s in Arunachal Pradesh (with space provision of 6000MW LCC HVDC station to be established in future) **Additional space for future expansion:** - 400kV bus sectionaliser bay :1 set (to establish Sec-I and Sec-II) - 765/400kV, 3x1500MVA (9 x 500 MVA single phase units) ICTs along with associated ICT bays (400kV side ICT bays on Sec-II) - 765kV, 1x240MVAr bus reactor (3x80MVAr single phase units) along with associated bay - 420kV, 2x125MVAr bus reactor along with associated bay (on Bus Sec-II)	- 765/400kV, 3x1500MVA (10 x 500 MVA single phase units including one spare unit) ICTs - 765kV ICT bay: 3 Nos. - 400kV ICT bay: 3 Nos. on Bus Sec-I - 765kV, 2x240MVAr bus reactor (7x80MVAr single phase units including one spare unit) - 765kV Bus reactor bays: 2 Nos. - 420kV, 125MVAr bus reactor: 2 Nos. on Bus Sec-I - 400kV Bus reactor bays: 2 Nos. on Bus Sec-I - 765kV line bays: 2 Nos. (for termination of Roing (New) PS – Naharkatia 765kV D/c line) -

Sl. No.	Scope of the Transmission Scheme	Capacity (MVA) / Line length (km)/ Nos.
	- 765kV line bays (along with space for switchable line reactor) for future lines: 6 Nos. - 400kV line bays (along with space for switchable line reactor) for future lines: 16 Nos. (8 on Bus Sec-I; 8 on Bus Sec-II) - Establishment of ±800 kV, 6000 MW, Roing (New) PS HVDC (LCC) terminal station (4x1500 MW) along with associated interconnections with 400 kV HVAC Switchyard (2x1500 MW on 400 kV Sec-I along with associated 4 no. bays & 2x1500 MW on 400 kV Sec-II along with associated 4 no. bays) & all associated equipment (incl. filters)/bus extension, etc.	
2.	Establishment of 2x1500MVA, 765/400kV S/s at Naharkatia GIS S/s in Assam **Additional space for future expansion:** - 765/400kV, 2x1500MVA (6 x 500 MVA single phase units) ICTs along with associated ICT bays - 765kV, 1x240MVAr bus reactor (3x80MVAr single phase units) along with associated bay - 420kV, 2x125MVAr bus reactor along with associated bay - 765kV line bays (along with space for switchable line reactor) for future lines: 6 Nos. - 400kV line bays (along with space for switchable line reactor) for future lines: 8 Nos.	- 765/400kV, 2x1500MVA (7 x 500 MVA single phase units including one spare unit) ICTs - 765kV ICT bay: 2 Nos. - 400kV ICT bay: 2 Nos. - 765kV, 2x240MVAr bus reactor (7x80MVAr single phase units including one spare unit) - 765kV Bus reactor bays: 2 Nos. - 420kV, 125MVAr bus reactor: 2 Nos. - 400kV Bus reactor bays: 2 Nos. - 765kV line bays: 4 Nos. (2 nos. for termination of Roing (New) PS – Naharkatia 765kV D/c line & 2 nos. for termination of Naharkatia – Khumtai 765kV D/c line) - 765kV, 330MVAr (3x110MVAR single phase units) switchable line reactor along with associated switching equipment in both circuits of Naharkatia – Khumtai 765kV D/c line at Naharkatia end

Sl. No.	Scope of the Transmission Scheme	Capacity (MVA) / Line length (km)/ Nos.
		- 765kV, 1x110MVAr (single phase unit) spare reactor: 1 no. - 400kV line bays: 2 Nos. (for termination of Naharkatia – Mariani (POWERGRID) 400kV D/c line) - 420kV, 80MVAr switchable line reactor along with associated switching equipment in both circuits of Naharkatia – Mariani (POWERGRID) 400kV D/c line at Naharkatia end
3.	Establishment of 2x1500MVA, 765/400kV S/s at Khumtai GIS S/s in Assam **Additional space for future expansion:** - 765/400kV, 2x1500MVA (6 x 500 MVA single phase units) ICTs along with associated ICT bays - 765kV, 1x240MVAr bus reactor (3x80MVAr single phase units) - 420kV, 2x125MVAr bus reactor along with associated bay - 765kV line bays (along with space for switchable line reactor) for future lines: 6 Nos. - 400kV line bays (along with space for switchable line reactor) for future lines: 12 Nos. (including 2 nos for termination of Khumtai – Khumtai (AEGCL) 400 kV D/c (Quad) line to be implemented by AEGCL)	- 765/400kV, 2x1500MVA (7 x 500 MVA single phase units including one spare unit) ICTs - 765kV ICT bay: 2 Nos. - 400kV ICT bay: 2 Nos. - 765kV, 2x240MVAr bus reactor (7x80MVAr single phase units including one spare unit) - 765kV Bus reactor bays: 2 Nos. - 420kV, 125MVAr bus reactor: 2 Nos. - 400kV Bus reactor bays: 2 Nos. - 765kV line bays: 4 Nos. (2 nos. for termination of Naharkatia – Khumtai 765kV D/c line & 2 nos. for termination of Khumtai – Bornagar 765kV D/c line) - 765kV, 330MVAr (3x110MVAR single phase units) switchable line reactor along with associated switching equipment in both circuits of Khumtai – Bornagar 765kV D/c line at Khumtai end - 765kV, 1x110MVAr (single phase unit) spare reactor: 1 no.
4.	Roing (New) PS – Naharkatia 765 kV D/c line	130km
5.	Naharkatia – Khumtai 765 kV D/c	185km

Sl. No.	Scope of the Transmission Scheme	Capacity (MVA) / Line length (km)/ Nos.
	line	
6.	Khumtai – Bornagar 765 kV D/c line	327km
7.	Naharkatia – Mariani (POWERGRID) 400 kV D/c (Quad) line	162km
8.	Establishment of 765kV level at Bornagar (ISTS) S/s *[Bornagar 400kV switching station is under implementation under NERES-XXV (Part-A) scheme]*	- 765/400kV, 2x1500MVA (7 x 500 MVA single phase units including one spare unit) ICTs - 765kV ICT bay: 2 Nos. - 400kV ICT bay: 2 Nos. - 765kV, 2x240MVAr bus reactor (7x80MVAr single phase units including one spare unit) - 765kV line bays: 2 Nos. (for termination of Khumtai – Bornagar 765kV D/c line) - 765kV, 330MVAr (3x110MVAR single phase units) switchable line reactor along with associated switching equipment in both circuits of Khumtai – Bornagar 765kV D/c line at Bornagar end
9.	Extension at Mariani (POWERGRID) S/s	- 400kV line bays: 2 nos. (for termination of Naharkatia – Mariani (POWERGRID) 400 kV D/c (Quad) line D/c line)

Implementation timeframe: *27-09-2031*

Note:

1. *TSP shall terminate 765kV D/c lines at Naharkatia S/s such that one circuit of Roing (New) PS – Naharkatia 765kV D/c line and one circuit of Naharkatia – Khumtai 765kV D/c line are terminated in same diameter. Similarly, second circuit of both lines may also be terminated in bays of the same diameter.*
2. *AEGCL shall implement Khumtai – Khumtai (AECGL) 400kV D/c (Quad) line alongwith associated bays at both ends in matching timeframe of the subject scheme.*
3. *TSP of Bornagar S/s shall provide space for above scope of work at their under*

implementation Bornagar S/s free of cost to successful bidder.

4. *POWERGRID shall provide space for 2 no. of 400kV line bays at existing Mariani (POWERGRID) S/s for termination of Naharkatia PS – Mariani (POWERGRID) 400 kV D/c (Quad) line*
5. *Line lengths mentioned above are tentative. Exact line length shall be ascertained after detailed survey.*

TCC may deliberate.

Deliberation of the TCC:

CTU presented "NERGS-II Dibang Basin" transmission scheme, estimated at ₹11,570 Crores, to evacuate 2880 MW of hydro capacity of Dibang HEP in alignment with the CEA master plan for evacuation of Hydro Power in Brahmaputra Basin.

After detailed deliberations, TCC concurred and referred it to NERPC for approval.

Deliberation of the NERPC:

- **MS, NERPC** briefed the Board on the "NERGS-II Dibang Basin" transmission scheme, highlighting its critical role in evacuating the 2880 MW hydro capacity from the Dibang HEP in alignment with the CEA's master plan.
- He apprised the forum that the TCC had thoroughly deliberated on the extensive scope of the project—which includes establishing 765/400kV GIS substations and over 800 km of transmission lines at an estimated cost of ₹11,570 Crores—and has recommended it for the Board's final concurrence.

Decisions / Recommendations of the NERPC:

1. NERPC forum agreed to the "NERGS-II Dibang Basin" transmission scheme for implementation under ISTS targeting completion by September 2031.

The Committee noted as above.

2.9. Allocation of 20% of 10% gross budgetary support (GBS) for power sector improvement in north eastern region: Mizoram

I. Background:

- Current Government policy mandates 55 non-exempted Central Ministries/Departments to spend at least 10% of their Gross Budgetary Support (GBS) on Central Sector and Centrally Sponsored Schemes for the North Eastern Region (NER).

The Ministry of Development of North Eastern Region (MDoNER) is the nodal agency responsible for monitoring and tracking this expenditure.

II. Key Issues:

- The power sector is vital for the socio-economic development of the NER, supporting industrial growth, healthcare, and digital services in difficult terrains.
- While the region has vast hydropower and development potential, it faces significant infrastructural challenges and regional disparities.
- To unlock this potential and ensure a resilient power sector, there is a need for a dedicated and guaranteed funding stream within the existing GBS framework.

III. Action Required / Proposal:

- It is proposed that **20% of the earmarked 10% GBS allocation** be specifically designated and ring-fenced for the development and strengthening of the power sector in the North Eastern Region.

Deliberation of the TCC:

Representative of Mizoram apprised the forum that a reliable and resilient power sector is fundamental to accelerating economic activities and overall development of a region. For this reason, 20% of the earmarked 10% GBS

allocation should be specifically designated for the development, improvement, and strengthening of the power sector in the NER.

TCC referred it to NERPC for guidance.

Deliberation of the NERPC:

- NERPC deliberated on TCC's recommendation, originally highlighted by Mizoram, to strategically ring-fence 20% of the mandatory 10% Gross Budgetary Support (GBS) allocated by Central Ministries specifically for the NER's power sector.
- The forum unanimously acknowledged the critical need for this dedicated funding stream to overcome the region's infrastructural hurdles and unlock its vast developmental potential. To take this forward, it was suggested that the matter needs to be escalated to the relevant political and administrative heads.

Decisions / Recommendations of the NERPC:

1. NERPC forum agreed to the proposal to designate 20% of the earmarked 10% GBS allocation for the development, improvement, and strengthening of the power sector in the North Eastern Region.
2. To institutionalize this funding mechanism, the forum decided that formal communications by the respective State Govt. may be sent to concerned Ministries to advocate for this dedicated allocation.

The Committee noted as above.

Action: NER States.

3. PART-B: ITEMS FOR APPROVAL

3.1. Quarterly expenditure of NERPC Board Fund for FY 2025-26

NERPC Board Fund Quarterly expenditure for Q1, Q2 and Q3 of FY 2025-26:

Details of Expenditure from Board Fund from Apr'25 to Dec'25 (in Rs.)					
Sl. No.	**Head**	**Actual Expenditure from Apr'25 to Jun '25**	**Actual Expenditure from Jul'25 to Sept'25**	**Actual Expenditure from Oct'25 to Dec'25**	**Total Expenditure Up to Dec'25**
1	Meetings	736187	2856591	184910	3777688
2	Outsourcing salary/wages	258249	257394	86822	602465
3	DTE	0	0	0	0
4	Internet	12390	135897	0	148287
5	Conveyance + Honorarium	10000	15000	10000	35000
6	Misc.	54480	3863756	283338	4201574
	Total	**1071306**	**7128638**	**565070**	**8765014**

TCC may approve.

Deliberation of the TCC:

TCC noted and referred it for approval of NERPC.

NERPC may approve.

Deliberation of the NERPC:

NERPC forum noted and approved the recommendation of TCC.

3.2. Quarterly expenditure of NERPC Establishment Fund for FY 2025-26

NERPC Establishment Fund Quarterly expenditure for Q1, Q2 and Q3 of FY 2025-26:

Proposed revised budget from NERPC Establishment Fund from Apr'25 to Dec'25 (in thousands INR)

Sl. No.	Head	Budget Estimates 2025-26)	Revised Budget Estimates 2025-26)	Actual Expenditure from Apr'25 to Jun '25	Actual Expenditure from Jul'25 to Sept'25	Actual Expenditure from Oct'25 to Dec'25	Total Expenditure Upto Dec'25
1	Medical	1000.000	132.500	93.308	27.151	8.553	129.012
2	Domestic Travelling Allowances	2500.000	3500.000	1067.4	1124.111	670.55	2862.064
3	Fuels and Lubricants	500.000	326.500	109.13	93.326	6.56	209.012
4	Printing Publication	0.000	0.000	0	0	0	0
5	Advertising and Publicity	0.000	0.000	0	0	0	0
6	Professional Services	10.000	300.000	0	0	0	0
7	Office Expenditure	16000.000	14700.000	2807.9	3317.389	2920.635	9045.927
8	Minor Work	6000.000	17800.000	88.5	3920.574	2582.805	6591.879
	Total	**26010.000**	**36759.000**	**4166.2**	**8482.551**	**6189.103**	**18837.894**

TCC may approve.

Deliberation of the TCC:

TCC noted and referred it for approval of NERPC.

NERPC may approve.

Deliberation of the NERPC:

NERPC forum noted and approved the recommendation of TCC.

3.3. Reappropriation of Budget Estimates (BE) for FY 2023-24: NERPC

In the 25th TCC & 25th NERPC Meetings held at Kolkata held on 8th and 9th December, 2023 held at Kolkata, NERPC Forum accorded approval to a total Budget Estimate (BE) of ₹20320.00 thousand for the Financial Year 2024–25.

However, the works pertaining to painting at NERPC Campus, waterproofing at NERPC Campus, and minor civil and plumbing works in the Office and Residential Quarters cannot completed in Fy2023-24 due to various restriction to execute the projects. In view of the above, reappropriation of funds within the approved Budget Estimates for FY 2023–24 is considered necessary to regularize and accommodate the expenditure under the appropriate head of account in Fy2025-26.

The **Revised** estimate of the budget for **FY 2023-24** is as follow:

Sub-Head/Minor Head/Name of Scheme	Sanctioned Budget FY 2023-24 (in Thousand Rs.)	Revised Budget FY 2023-24 (in Thousand Rs.)	Remarks
Salary	0	0	Budget for Salary would continue to be provided by CEA/MoP
Medical	800	800	
Domestic Travelling Allowances	2500	2500	
Fuels and Lubricants	400	400	
Printing Publication	60	60	
Advertising and Publicity	250	250	
Professional Services	10	10	
Office Expenditure	10000	10000	
Minor Work	14556.539	3807.539	Pending work of NERPC complex Painting work, water proofing work.
Training	0	0	
Total	**28576.539**	**17827.539**	

There is no additional contribution from NERPC Constituents required.

TCC may approve.

Deliberation of the TCC:

TCC noted and referred it for approval of NERPC.

NERPC may approve.

Deliberation of the NERPC:

NERPC forum noted and approved the recommendation of TCC.

3.4. Reappropriation of Budget Estimates (BE) for FY 2024-25: NERPC

In the 25th TCC & 25th NERPC Meetings held at Kolkata held on 8th and 9th December, 2023 held at Kolkata, NERPC Forum accorded approval to a total Budget Estimate (BE) of ₹20320.00 thousand for the Financial Year 2024–25

However, Expenditure of ₹ 6,26,000 incurred to clear PDMS AMC for Q4 of Fy2024-25. Approval of the same is already conveyed in 29th TCC and NERPC Meetings held on July 17th &18th, 2025, at Guwahati, Assam. In view of the above, reappropriation of funds within the approved Budget Estimates for FY 2024–25 is considered necessary to regularize and accommodate the expenditure under the appropriate head of account.

The **Revised** estimate of the budget for **FY 2024-25** is as follow:

Sub-Head/Minor Head/Name of Scheme	Sanctioned Budget FY 2024-25 (in Thousand Rs.)	Reappropriation Budget FY 2024-25 (in Thousand Rs.)	Remarks
Salary	0	0	Budget for Salary would continue to be provided by CEA/MoP
Medical	1000	1000	
Domestic Travelling Allowances	2500	2500	

Fuels and Lubricants	500	250	
Printing Publication	60	60	
Advertising and Publicity	250	0	
Professional Services	10	10	
Office Expenditure	10000	10500	
Minor Work	6000	6000	PDMS AMC Payment
Training	0	0	
Total	**20320**	**20320**	

There is no additional contribution from NERPC Constituents required.

TCC may approve.

Deliberation of the TCC:

TCC noted and referred it for approval of NERPC.

NERPC may approve.

Deliberation of the NERPC:

NERPC forum noted and approved the recommendation of TCC.

3.5. Reappropriation of Budget Estimates (BE) for FY 2025-26: NERPC

In the 28th TCC and NERPC Meetings held on 20th and 21st February, 2025 at Guwahati, Assam, NERPC Forum accorded approval to a total Budget Estimate (BE) of ₹26,010.00 thousand for the Financial Year 2025–26.

However, the works pertaining to painting at NERPC Campus, waterproofing at NERPC Campus, and minor civil and plumbing works in the Office and Residential Quarters had already been administratively sanctioned under the Financial Year 2023–24 budget. The total sanction under the Minor Works (MW) Head was ₹14,556.539 thousand against which an expenditure of ₹1,154.364 thousand was incurred during that financial year. Owing to the continuation of the said projects, the balance payments are being affected during the Financial Year 2025–26. In view of the above, reappropriation of funds within the approved Budget Estimates for FY 2025–26 is considered

necessary to regularize and accommodate the expenditure under the appropriate head of account.

The **Revised** estimate of the budget for **FY 2025-26** is as follow:

Sub-Head/Minor Head/Name of Scheme	**Sanctioned Budget FY 2025-26 (in Thousand Rs.)**	**Revised Budget FY 2025-26 (in Thousand Rs.)**	**Remarks**
Salary	0	0	Budget for Salary would continue to be provided by CEA/MoP
Medical	1000	132.5	
Domestic Travelling Allowances	2500	3500	1 MS, 2 Director, 2 DD, and 1 AD (Total-6) got transferred.
Fuels and Lubricants	500	326.5	
Printing Publication	0	0	
Advertising and Publicity	0	0	
Professional Services	10	300	
Office Expenditure	16000	14700	
Minor Work	6000	17800	Civil AMC, Electrical AMC, DG set AMC, NERPC complex Painting work, water proofing work.
Training	0	0	
Total	**26010**	**36759**	

There is no requirement for additional contribution from NERPC Constituents, as fund is available and these works were already approved in previous TCC/NERPC meetings.

TCC may approve.

Deliberation of the TCC:

TCC noted and referred it for approval of NERPC.

NERPC may approve.

Deliberation of the NERPC:

NERPC forum noted and approved the recommendation of TCC.

3.6. NERPC Secretariat Establishment Fund Budget Estimates (BE) for FY 2026-27 and Annual Contribution towards "NERPC Secretariat Establishment Fund" For FY 2026-27: NERPC

The proposed BE for **FY 2026-27** is placed below:

Sub-Head/Minor Head/Name of Scheme	Sanctioned Budget FY 2025-26(in Thousand Rs.)	Revised Budget FY 2025-26(in Thousand Rs.)	Budget Requirement FY 2026-27(in Thousand Rs.)	Remarks
Salary	0	0	0	Budget for Salary would continue to be provided by CEA/MoP
Medical	1000	132.5	1000	
Domestic Travelling Allowances	2500	3500	2500	
Fuels and Lubricants	500	326.5	500	
Printing Publication	0	0	0	

Advertising and Publicity	0	0	0	
Professional Services	10	300	500	For CA consultancy services and other similar services.
Office Expenditure	16000	14700	18500	Manpower, Security, PDMS: Electricity, Commercial Software, Office consumable, Website AMC, IT/OT Telephone, CCTV, ITAMC, Furniture
Minor Work	6000	17800	10750	Civil AMC, Electrical AMC, DG set AMC, Boundary wall, Firefighting, Gym, Horticulture
Training	0	0	2500	To organize various training for NER Constituents
Total	**26010**	**36759**	**36250**	

The Estimated contribution amount from constituents towards FY 2026-27 will be as follow:

I. Budget Requirement (in Thousand Rs.):36250
II. Contribution Yet to receive from (refer **Annexure-3.6**):8902.77
III. Contribution will be received from Non-Regular Member: 4000

IV. Net Budget remains for Regular member to contribute **(I-II-III):** 23347.23

Contribution will be as follows:

1. State utilities: 614.401 (in Thousand Rs.)
2. PSUs/Pvt Tx Licensees/Traders: 1843.203 (in Thousand Rs.)
3. Non regular members: 1000 (in Thousand Rs.)

TCC may approve.

Deliberation of the TCC:

NERPC Secretariat updated the budget requirement for FY 2026-27 as follows:

I. Budget Requirement: ₹ 362.50 Lakhs
II. Contribution yet to be received from : ₹ 83.68 Lakhs
III. Contribution will be received from Non-Regular Member: ₹ 30.00 Lakhs
IV. Net Budget to be contributed by Regular member **(I-II-III):** ₹ 248.82 Lakhs

The proposed Contributions for members are as follows:

1. State utilities: ₹ 6.70 Lakhs
2. PSUs/Pvt Tx Licensees/Traders: ₹ 18.21 Lakhs
3. Non regular members: ₹ 10.00 Lakhs

TCC noted and recommended for approval of NERPC.

Deliberation of the NERPC:

NERPC forum approved the contributions for NERPC Establishment Fund for FY 2026-27 as recommended by TCC.

3.7. NERPC Board Fund Budget Estimates (BE) for FY 2026-27 and Annual Contribution towards "NERPC Board Fund" For FY 2026-27: NERPC

The proposed BE for **FY 2026-27** is placed below:

NERPC Board Fund (Fy2026-27) (in Thousand Rs.)		
Account Head	**Budget Requirement**	**Remarks**
Guwahati Guest House	4000	Rent for property, Electricity Bill and Caretaker manpower Salary etc..
Meetings	3600	Various meeting of NERPC forums and related expenditures and Mic. Expenditures.
Fuels and Lubricants	300	Fuel for Vehicle at NERPC
Total	**7900**	

The Estimated contribution amount from constituents towards FY 2026-27 will be as follow:

I. Budget Requirement (in Thousand Rs.):7900
II. Contribution Yet to receive from (form Manipur for Fy2025-26):100
III. Contribution will be received from Non-Regular Member:1600
IV. Net Budget remains for Regular member to contribute**(I-II-III):** 6300

Contribution will be as follows:

1. State utilities: 163.158 (in Thousand Rs.)
2. PSUs/Pvt Tx Licensees/Traders: 489.474 (in Thousand Rs.)
3. Non regular members: 400 (in Thousand Rs.)

TCC may approve.

Deliberation of the TCC:

TCC noted and referred it for approval of NERPC.

NERPC may approve.

Deliberation of the NERPC:

NERPC forum approved the contributions for NERPC Board Fund for FY 2026-27 as follows:

1. State utilities: ₹ 1.63 lakhs
2. PSUs/Pvt Tx Licensees/Traders: ₹ 4.90 lakhs
3. Non regular members: ₹ 4.0 lakhs

3.8. Pending contribution of NERPC Establishment Fund contributions: NERPC

A. Regular Member

FY 2023-24		FY 2024-25		FY 2025-26	
Constituents	**Payment due (lakhs)**	**Constituents**	**Payment due (lakhs)**	**Constituents**	**Payment due (lakhs)**
TPTL	7.52	APGCL	5.35	AEGCL	5.12
TPGCL	7.52	TPTL	5.35	APGCL	5.12
MSPCL	7.52	TPGCL	5.35	TPTL	5.12
		MSPCL	5.35	TPGCL	5.12
		MSPDCL	5.35	MSPCL	5.12
				MSPDCL	5.12

B. Non-Regular Member

FY 2025-26	
Constituents	**Payment Due(lakhs)**
NER-II TL(Indigrid)	10

All the concerned constituents are requested to deposit their respective requisite amount towards NERPC Secretariat Establishment Fund for FY 2023-24, FY 2024-25 and FY 2025-26 at the earliest.

Deliberation of the TCC:

AEGCL and APGCL informed the forum that they had already made their contributions for FY 2025-26 towards NERPC Secretariat Establishment Fund

Manipur informed that they would pay the dues upon release of the fund from their Government.

Deliberation of the NERPC:

NERPC forum noted.

3.9. Pending contribution of NEPRC Board funds contributions: NERPC

FY 2025-26	
Constituents	**Payment Due (lakhs)**
Manipur	1.0

Manipur is requested to deposit the requisite amount towards Board Fund of NERPC for FY 2025-26 at the earliest.

Deliberation of the TCC:

Manipur informed that they would pay the dues upon release of the fund from their Govt.

Deliberation of the NERPC:

NERPC forum noted.

3.10. Status of Audit of NERPC Establishment Fund and NERPC Board Fund for FY 2025-26: NERPC

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:

1. NERPC Board Fund was audited for the period 1st April 2025 to 30th September 2025 and audit report is enclosed at **Annexure-3.10.1**
2. NERPC Secretariat Establishment Fund was audited for the period 1st April 2025 to 30th September 2025 and audit report is enclosed at **Annexure-3.10.2**

As per Standard Operating Procedure (SOP) for Budget and expenditure of RPCs approved by Chairman CEA and NERPC CBR-2024, Internal Audit for Establishment fund needs to carried out by the Director level officer.

Internal Audit for Establishment fund for FY 2025-26 by Director Level officer will be carried out in FY 2026-27.

Further, in 26th TCC/NERPC it was decided that to facilitate an external audit of the above-mentioned funds, audit committee can be form to carry out audit for FY 2025-26.

Reports of all the three audits will be placed in next TCC/NERPC meeting.

TCC may approve.

Deliberation of the TCC:

TCC noted and referred it for approval of NERPC.

NERPC may approve.

Deliberation of the NERPC:

NERPC forum noted and approved the recommendation of TCC.

3.11. Nomination for co-signatory for "NERPC Establishment Fund"/ "NERPC Board Fund" Accounts: NERPC

As approved in the 26th TCC/NERPC Meeting held on 4th and 5th July, 2024 at Guwahati, Assam, the present authorized signatory arrangement for operation of the "NERPC Establishment Fund" provides that two nos. officers from NERPC Secretariat, namely Assistant Secretary and Drawing and Disbursing Officer (DDO), as nominated by Member Secretary, along with one officer from MeECL, are designated as signatories.

Similarly, in respect of the "NERPC Board Fund," two officers from NERPC Secretariat, namely Assistant Secretary and DDO, as nominated by Member Secretary, NERPC, are presently authorized as signatories.

It has been observed in practice that, on certain occasions, disbursement of payments has been delayed due to the absence or unavailability of an authorized signatory. In order to obviate such delays and to ensure smooth and uninterrupted financial operations, it is proposed to modify the existing signatory framework for withdrawals from the "NERPC Establishment Fund" and the "NERPC Board Fund."

Under the proposed arrangement, each of the aforesaid Funds shall have a total of five (5) authorized signatories, comprising:

I. Two (2) officers nominated from amongst the NER Constituents; and
II. Three (3) officers from NERPC Secretariat, as nominated by Member Secretary, NERPC.

For execution of transactions exceeding ₹1,00,000/- (Rupees One Lakh only), the signatures of the DDO (or, in his/her absence, the designated Backup DDO) shall be mandatory, along with the signature of any one (1) of the remaining authorized signatories. Such additional signatory may be either one of the two nominated officers from the NER Constituents or one

nominated officer from NERPC Secretariat other than the DDO or Backup DDO.

The aforesaid revised signatory arrangement is intended to strengthen financial governance, enhance operational efficiency, and ensure greater transparency and accountability in respect of payments and expenditure from the "NERPC Establishment Fund" and the "NERPC Board Fund."

TCC may approve.

Deliberation of the TCC:

TCC forum deliberated on the practical challenges of the current setup and concurred with the proposal to increase the authorized signatories to five (5) to ensure uninterrupted financial operations.

Consequently, TCC forum recommended the revised signatory arrangement and referred the matter to the NERPC Forum for approval.

NERPC may approve.

Deliberation of the NERPC:

POWERGRID agreed to nominate an officer to act as one of the constituent signatories for the operation of the said funds.

NERPC forum approved the revised arrangement of having five (5) authorized signatories i.e. two from Constituents: POWERGRID & Meghalaya (existing signatory), and three from NERPC Secretariat for both the NERPC Establishment Fund and the NERPC Board Fund.

The Committee noted as above.

3.12. Permanent Closure of NERPC Furnishing Fund Account: NERPC

NERPC Furnishing Fund was constituted to meet various expenditures such as procurement of commercial software, NERPC website and their AMC, and other related requirements of NERPC Secretariat upon approval from the Board. As per the Clause 6.1 of NERPC CBR-2024, "NERPC Secretariat shall

maintain two funds, namely, 'NERPC Establishment Fund' and 'NERPC Board Fund'." Accordingly, NERPC has been maintaining two funds (excl. NERPC Furnishing Fund), namely NERPC Board Fund and NERPC Establishment Fund, to meet its various expenditures. In view of the above and in line with the provision of NERPC CBR-2024, it is proposed to permanently close NERPC Furnishing Fund account and transfer the remaining balance to NERPC Establishment Fund.

In the 57th CCM of NERPC, CC forum in principle approved the proposal of NERPC and recommended to place the matter before next NERPC Board.

In view of the above, it is proposed that, instead of transferring the remaining balance to NERPC Establishment Fund, the same may be utilized for the upgradation works of NERPC Conference Hall, Shillong. After utilizing the same, the account will be permanently closed.

TCC may approve.

Deliberation of the TCC:

TCC forum noted the proposal to utilize the remaining balance of the NERPC Furnishing Fund for upgrading the NERPC Conference Hall in Shillong prior to its permanent closure, and referred the matter to the NERPC Board for approval.

NERPC may approve.

Deliberation of the NERPC:

NERPC forum concurred with the TCC's recommendation and approved the utilization of the remaining funds for the Conference Hall upgradation of NERPC Secretariat, after which the Furnishing Fund account will be permanently closed.

The Committee noted as above.

3.13. Renewal of AMC for PDMS and PSCT system of NER for FY 2026-27: NERPC

As per Protection Code of IEGC, RPCs are required to maintain a centralized database containing relay settings for grid elements. Protection Database Management System (PDMS) & Protection Setting Calculation Tool (PSCT), for NER has been made operational in 2018 vide LOA NERPC/SE(O)/PDMS/2018/4135. It was funded through PSDF. Comprehensive AMC for Protection Database Management System (PDMS) and Protection Setting Calculation Tool (PSCT), currently provided by M/s PRDC, is expiring in March 2026. The PDMS and PSCT system comprise complex set of software, hardware, servers, firewall etc. The AMC of the system is essential for smooth functioning and effective utilization of the system for improvement of protection system of NER region and thus ensuring secure and reliable operation of the grid. In view of the above, renewal of the AMC for the PDMS and PSCT system for the ensuing period is critically required. Accordingly, NERPC is in the process of obtaining the price offer from the vendor. It is, therefore, requested to accord in principle approval for the cost implication towards renewal of the AMC for PDMS and PSCT. The financial implication for the Renewal of AMC for PDMS and PSCT shall be met from the "NERPC Secretariat Establishment Fund".

In 57th CCM of NERPC, Director, NERPC apprised the forum that NERPC has been operating & maintaining PDMS and PSCT as mandated in IEGC-2023 Rule 14. Further, he informed the forum that quotation for renewal of AMC has been received from M/s PRDC which would be further negotiated for arriving the final cost. CC forum in principle approved the proposal of NERPC for renewal of AMC of PDMS and advised to place the final offer before NERPC Board.

It is further to inform that the negotiation is still under progress and in principle approval may please be given for the renewal of AMC for PDMS and PSCT for FY 2026-27.

Once the negotiated price is finalised, the same would be put up before next NERPC for approval.

TCC may approve.

Deliberation of the TCC:

TCC forum impressed upon the State Utilities for proper utilization of PDMS. Further PDMS may be updated on regular basis once any new element is integrated in the grid and settings are modified for the existing elements.

Further, the forum opined that a Committee may be constituted comprising the members from NERPC, NERLDC, Assam and Powergrid for negotiating the AMC cost of PDMS and PSCT of NER, submitted by M/s PRDC.

TCC referred it for approval of NERPC.

NERPC may approve.

Deliberation of the NERPC:

NERPC forum accorded in-principle approval for the renewal of the AMC for the PDMS and PSCT systems for FY 2026-27. The financial implication for this renewal will be met from the "NERPC Secretariat Establishment Fund."

The Committee noted as above.

3.14. Proposal to hire Consultant for Administrative related works at NERPC Secretariat: NERPC

NERPC Office is required to undertake a substantial volume of routine and recurring administrative functions, including maintenance of statutory and non-statutory registers, files, records, and other office documentation on a day-to-day basis. These activities are essential for ensuring compliance with extant Government procedures, audit requirements, and institutional record-keeping standards.

Further, as per the orders/instructions issued by the Central Electricity Authority (CEA), certain Multi-Tasking Staff (MTS) are proposed to be promoted to the post of Lower Division Clerk (LDC). Consequently, the duties earlier performed by the vacant MTS positions, along with various register-maintenance and allied administrative functions, will need to be managed during the transition period. These responsibilities necessitate engagement of a person possessing adequate experience in Government administrative work and office procedures.

It is also observed that contractual manpower engaged through outsourcing agencies often lacks the requisite expertise in Government administrative processes, official drafting standards, record management, and statutory compliance requirements. Such limitations necessitate continuous guidance and supervision to ensure accuracy and procedural compliance.

In view of the above, it is considered necessary to engage one experienced Administrative Consultant (preferably retired Central Govt. Employee) to undertake and supervise the following functions:

1. Systematic arrangement and streamlining of files and records;
2. Compliance of tax, GST, and other statutory/non-statutory registers;
3. Guidance and mentoring of newly inducted outsourced manpower in official drafting, record maintenance, and administrative procedures etc.

The consultant would be paid a fixed remuneration of Rs 30000/month.

Accordingly, the estimated cost of the consultancy services is ₹3.60 lakh per annum, which may be booked under NERPC Board Fund.

TCC may deliberate.

Deliberation of the TCC:

TCC noted and referred it for approval of NERPC.

NERPC may approve.

Deliberation of the NERPC:

NERPC forum noted and approved the recommendation of TCC.

The Committee noted as above.

3.15. Roster for next TCC/NERPC Meetings -NERPC

As members of NERPC are aware that TCC & NERPC Meetings are being hosted by constituents on rotation basis. In this regard 32nd to 41st TCC/NERPC meetings have been proposed as:

Sr. No.	Meeting	Hosted by	Last hosted
1.	32nd TCC/NERPC Meeting	Tripura	14th TCC/NERPC
2.	33rd TCC/NERPC Meeting	OTPC	20th TCC/NERPC
3.	34th TCC/NERPC Meeting	NVVN	5th TCC/NERPC
4.	35th TCC/NERPC Meeting	Manipur	17th TCC/NERPC
5.	36th TCC/NERPC Meeting	NEEPCO	22nd TCC/NERPC
6.	37th TCC/NERPC Meeting	Meghalaya	18th TCC/NERPC
7.	38th TCC/NERPC Meeting	NTPC	25th TCC/NERPC
8.	39th TCC/NERPC Meeting	Nagaland	21st TCC/NERPC
9.	40th TCC/NERPC Meeting	Powergrid	26th TCC/NERPC

10.	41st TCC/NERPC Meeting	DoP, AP	24th TCC/NERPC

TCC may deliberate.

Deliberation of the TCC:

Tripura agreed to host TCC/NERPC Meetings in the month of December'26/January'27. Further, NERPC Secretariat will coordinate with other constituents for hosting 32nd TCC/NERPC meetings, if required to be hosted before December'26.

Deliberation of the NERPC:

NERPC forum noted and approved the recommendation of TCC.

The Committee noted as above.

Action: NERPC.

3.16. Chairmanship of NERPC for FY 2026-27: NERPC Secretariat

As per Principal Resolution dated 25th May 2005 of Ministry of Power, Government of India, subsequent amendments dated 29th November 2005, 9th May 2008, 5th May 2017, 21st December 2017 and Resolution dated 3rd December 2021 relating to the establishment of North Eastern Regional Power Committee (NERPC), **Chairperson of the NERPC would represent the States of the region by rotation in alphabetical order**. Members of the NERPC from that particular State would nominate the Chairperson of NERPC from amongst themselves. The term of the Chairperson would be for a period of one year.

For F.Y. 2025-26 Chairmanship is with the State of Meghalaya; accordingly, as per alphabetical order the next Chairmanship i.e. for F.Y 2026-27 shall be with the **State of Mizoram.**

NERPC may approve.

Deliberation of the NERPC:

MS, NERPC informed the Board that as per the Ministry of Power's resolutions regarding the alphabetical rotation of the NERPC Chairmanship, the tenure for FY 2026-27 is scheduled to be assumed by the State of Mizoram, succeeding the current chair, Meghalaya.

However, the **Hon'ble Power Minister of Mizoram** graciously proposed that the current Chairperson, Shri Metbah Lyngdoh, Hon'ble Power Minister of Meghalaya, may continue to chair the committee for another year. He highly commended Shri Lyngdoh's current tenure, effective leadership, and the exceptional initiatives he has driven for the overall improvement of the NER power sector.

The forum unanimously appreciated this gesture from Mizoram and acknowledged the positive impact of the current Chairperson's tenure.

Shri Metbah Lyngdoh, Hon'ble Power Minister of Meghalaya, accepted the proposal to continue as the Chairperson of NERPC for FY 2026-27.

The Committee noted as above.

Action: NERPC.

3.17. Establishment of Security Operation centre (SOC) at SLDCs for ensuring cyber security readiness of the states: NERPC secretariat

I. Background:

- As per Clause 3(j) of the Information Technology (Information Security Practices and Procedures for Protected System) Rules, 2018, organizations with protected systems are mandated to establish a Cyber Security Operation Centre (C-SOC) to implement real-time preventive, detective, and corrective controls against cyber threats.
- Protecting critical IT/OT infrastructure has become paramount due to the increasing frequency and sophistication of advanced cyber threats.

- Following a review meeting chaired by the Secretary (Power) on 21.03.2025, it was mandated that SOC proposals submitted under the PSDF-funded scheme must include indigenous SOC and NOC solutions, along with a 5-year Annual Maintenance Contract (AMC).

II. Key Issues / Current Status:

- CSIRT-Power has finalized a Model BOQ for the PSDF funding of Indigenous SOC/NOC projects, and a Model DPR has been subsequently circulated by the NERPC Secretariat to all NER states.
- During the TCC meeting, state utilities provided the following updates on their DPR status:
    - **Assam:** Revised DPR has been submitted.
    - **Manipur:** Draft DPR prepared by SLDC is under review by the Planning division.
    - **Mizoram & Arunachal Pradesh:** Quotations received; DPR preparation is underway.
    - **Meghalaya, Nagaland, & Tripura:** DPR preparation is currently underway (Meghalaya targeting Dec '25).

III. Action Required / Proposal:

- State SLDCs are strongly advised to expedite the preparation of their DPRs for the SOC with integrated NOC and submit them to the PSDF committee at the earliest, targeting January 2026.
- Assam and the NERPC team will provide necessary support and assistance to any state requiring help with the preparation.
- The progress of the DPR submissions will be regularly monitored and followed up in the upcoming NETeST meetings of NERPC. (The NERPC forum endorsed these views).

Deliberation of the NERPC:

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). He cited the importance of a common DPR/NIT that will ensure standardization of systems, encourage participation from reputed vendors, and facilitate cost-effective implementation of the project across the region.

The forum after detailed deliberation, unanimously agreed that NERPC shall arrange to prepare a comprehensive DPR for all NER States (except Assam) with target date for finalization of DPR within April, 2026 for submission to PSDF Secretariat. NERPC forum further suggested that a Sub-Committee comprising the representatives from all the concerned states, NERLDC, and NERPC maybe formed to review and finalize the DPR.

Upon completion of the common DPR for all NER States (except Assam), NERPC Secretariat shall formally submit it to PSDF Secretariat for funding approval.

The Committee noted as above.

Action: NERPC.

4. PART C: COMMERCIAL ISSUES

4.1. Unallocated share from Lower Subansiri, NHPC: APDCL, MePDCL

A. Assam

The allocation for the Unit-II of Subansiri Lower HEP is received vide order no. NERPC/CC/CSA/2016/6646 -6681 dated 21.12.2025 which is revised by order no. NERPC/CC/CSA/2016/6682-6317 Dated 22.12.2025. The allocation order for the Unit-II and Unit-III together is received by order no. NERPC/CC/CSA/2016/7563-7598 Dated 30.01.2026.

In the allocation orders, Assam is given Share allocation of 7.0905% which is then revised to 6.62% equal to total 33.1 MW from the Unit-II and Unit-III (16.55 MW from each of the unit) from the "Unallocated Share" in excess of its Share allocation from the Firm Power and the Free Power.

In this regard, this is for kind submission that APDCL has not sought any quantum of power from the Subansiri Lower HEP in excess of its Share allocation from the "Firm Power" and the "Free Power" of the plant. APDCL has already done number of PPAs with upcoming plants for the required quantum of power to meet its future long-term demand. Accordingly, the excess hydro allocation from the Subansiri plant will result in the increase in Power Purchase Cost for APDCL which have to be borne by the end consumers of the state.

As such, request has already been submitted not to schedule any power from the "Unallocated Share" of Subansiri Lower HEP to Assam, but the same is being scheduled till date.

B. Meghalaya

MePDCL has surplus Hydro Power, therefore it does not require the same.

In the 57th CCM of NERPC, Member Secretary, NERPC apprised the forum that the unallocated share is allocated as per the regional pool of unallocated shares at All-India level. Accordingly, he advised the MePDCL representative to send a formal letter in this regard to the Ministry of Power, GOI /CEA with a copy to NERPC.

TCC may deliberate.

Deliberation of the TCC:

TCC forum noted that the current allocation and scheduling of power from Subansiri Lower HEP will remain as it is until any direction is issued by the Ministry of Power.

Further, TCC forum directed Assam and Meghalaya to prepare a comprehensive, data-driven impact assessment report detailing the exact financial and operational burdens caused by this allocation. The same would be presented before NERPC Board for discussion.

NERPC may discuss.

Deliberation of the NERPC:

- **MS, NERPC** briefed the Board on the concerns raised by Assam (APDCL) and Meghalaya (MePDCL) regarding the scheduling of power from the "Unallocated Share" of the Subansiri Lower Hydroelectric Project (Units II and III).
- He explained that neither state requires this additional power. Assam has already secured sufficient long-term PPAs to meet future demand, and Meghalaya currently operates with a surplus of hydropower. Consequently, this excess allocation is unnecessarily inflating their Power Purchase Costs, a burden that ultimately impacts the end consumers.

Decisions/Recommendations of the NERPC:

1. NERPC forum suggested–that the Assam and Meghalaya Government may take up the matter with CEA/Ministry of Power (MoP), Government of India to relinquish their unallocated share from the Subansiri Lower HEP with proper justification for consideration by MoP.
2. The forum noted that until a revised directive or allocation order is issued by the MoP, the *status quo* shall be maintained, and the current allocation and scheduling of power from the project will continue as per extant allocation.

The Committee noted as above.

Action: Assam & Meghalaya.

5. PART D: ITEMS FOR INFORMATION/UPDATE

5.1. Status of Construction of Backup SLDC in NER states: NERLDC

As deliberated in 86th Meeting of the TESG of PSDF held on 22nd October 2024, TESG has communicated the NER States that civil construction for setting of infrastructure for backup control centres at NER SLDCs is not being funded through PSDF as per the laid guidelines. Hence, all NER state has to arrange necessary fund for construction of backup SLDC on their own resources.

The status of construction of backup SLDCs in tabulated, states may provide the updated status:

Sl. No.	Name of state	Status of construction of Back up SLDC as per 30th TCC-RPC meeting	Status Change with Respect to previous (31st) TCC-RPC Meeting
1	Arunachal Pradesh	The matter could not be included in the budget estimate for FY 2025-26 due to uncertainty over PSDF funding of SCADA for Back up SLDC. After clarification, the matter will be incorporated in the revised Estimate.	
2	Assam	Assam informed that land has been identified in Samaguri, and a Detailed Project Report (DPR) with an estimated cost of around ₹8.5 crore has been submitted to the Government of Assam for fund approval.	

		The Power Department had raised certain queries, which have been duly addressed by AEGCL. The Department will review the responses, and upon satisfaction, will forward the proposal to the Standing Finance Committee of the Government of Assam, chaired by the Chief Secretary (Power).	
3	Manipur	Location identified at 400kV Thoubal SS. Space required for accommodating UPS and Battery.	
4	Meghalaya	Meghalaya informed that the tender will be floated by December 2025	
5	Mizoram	Budget allocation and administrative approval done, waiting for expenditure sanction. Expected by this FY.	
6	Nagaland	Space ready at New Kohima S/S (New Secretariat)	
7	Tripura	Board approval awaited. TSECL requested to include replica of control centre screen to corporate office in the scope of the work.	

NERLDC requests all state to provide the periodic updates and show a substantial progress before the pre-bid stage of tendering as it will be difficult to make provision for SCADA/EMS equipment for Backup SLDC afterwards.

TCC may note the progress.

Deliberation of the TCC:

TCC noted and referred it to NERPC for information.

Deliberation of the NERPC:

NERPC noted.

5.2. Charging of ISTS and Intra State Elements under NERPSIP without adherence to FTC procedure: NERLDC

During the 30th NERPC & TCC Meeting dated 17-09-2025, agenda item 5.4 Non-compliance of instructions of NERPC Forum by SLDC Tripura regarding First Time Charging (FTC) of elements under NERPSIP and ISTS connected elements were deliberated.

In the said meeting, TSECL assured the Forum that the required documents related to FTC for the charged elements will be submitted by 30-11-2025.

Subsequently, a meeting was held between TSECL, NERPC and NERLDC at Tripura on 04-12-2025 wherein, TSECL assured that all the pending FTC related documents will be submitted within 2 to 3 months.

Again, the matter was deliberated in the 235th OCCM dated 20-02-2026 and in the meeting it was stated that Tripura shall produce all documents as per FTC procedure at the earliest.

As per the current status, TSECL has submitted FTC applications for all ISTS-connected elements, except for the 132 kV SM Nagar (ISTS) – SM Nagar (TSECL) line. However, due to the non-submission of the required documents

despite repeated reminders from NERLDC, all the applications remain under process, except for the 132 kV PK Bari–PK Bari (ISTS) line, for which provisional approval was issued by NERLDC on 28-11-2025.

Further, in line with the deliberations of the 189th OCCM, TSECL has yet to submit FTC applications for most of the intra-state elements commissioned under NERPSIP, while a few applications have been submitted with incomplete documentation.

It is pertinent to emphasize that compliance with all the requirements of the FTC procedure and obtaining the necessary FTC approval from NERLDC for all ISTS-connected elements and FTC consent for intra-state-owned elements is essential to ensure the reliability and security of the Tripura Power System, particularly in view of the upcoming peak demand season.

In view of the above, the matter is once again placed before the Forum for review, with a request to expedite the submission of the required documents and facilitate the issuance of the necessary FTC approval/consent from NERLDC.

The details of FTC application submissions by Tripura are enclosed as **Annexure 5.2.**

Members may update.

Deliberation of the TCC:

TCC forum directed TSECL to adhere to the FTC procedure and to submit all outstanding documents for ISTS and intra-state elements to facilitate NERLDC approval/consent.

TCC noted and referred it to NERPC for information.

Deliberation of the NERPC:

NERPC noted.

5.3. Construction of 2nd Transmission line to Tuirial Power Station of NEEPCO: NEEPCO

NEPPCO vide email dated 26.02.2026 informed that construction of second 132 kV Transmission Line from Tuirial HPS to Bawklang (Kolasib) is yet to be completed, and this affects this station in case of tripping of the only transmission line. The matter has been discussed in OCC as well as TCC meeting time and again.

So, early construction of the 2nd evacuation transmission line for Tuirial HPS by Mizoram for safe and smooth operation of the Tuirial Hydro Electric Power Station is requested.

Mizoram may update.

Deliberation of the TCC:

P&ED, Mizoram informed that the work would be completed by May'26.

TCC noted and referred it to NERPC for information.

Deliberation of the NERPC:

NERPC noted.

5.4. Construction of 132kV Monarchak- Surjamaninagar Transmission line: NEEPCO

NEPPCO vide email dated 26.02.2026 informed that due to poor evacuation system of 101MW Tripura Gas Based Power Station (TGBPS), frequent tripping of both the Units has been experienced by NEEPCO over the years. The matter has been time and again discussed in several OCC and TCC Meetings.

TSECL may please be requested to complete the construction work of the said line at the earliest.

TSECL may update.

Deliberation of the TCC:

TSECL informed that the work would be completed by May'26.

TCC noted and referred it to NERPC for information.

Deliberation of the NERPC:

NERPC noted.

5.5. Blending of Gas at OTPC Palatana Project: TRIPURA

A. OTPC's Palatana gas power plant in Tripura has faced shortages of natural gas supply for running at optimal levels. To address this, OTPC had put forward a proposal in NERPC/TCC meetings to:

Blend an additional 0.3–0.5 MMSCMD of alternative gas (e.g., from sources like GAIL) with its existing supply so that the plant could operate more efficiently.

This blended gas would help improve generation performance and benefit the beneficiary states that rely on Palatana for electricity.

The proposal included sourcing this additional gas at a price notified by the Ministry of Petroleum & Natural Gas/PPAC and using it for at least 3 years.

In the 28th TCC & NERPC meetings, the blending idea was presented and discussed among member states. The aim was to get consensus from all beneficiary states so that blended gas could be utilized without hurting tariff structures and regulatory approvals.

Then at the 29th TCC & 29th NERPC meetings, OTPC clarified that:

The tariff for the Palatana plant is set by the Central Electricity Regulatory Commission (CERC), not by NERPC.

States had various responses: most supported the blending in principle, but some wanted to consult further.

The forum suggested that Palatana pursue individual state approvals and then take the tariff matter to CERC. NERPC's role was to facilitate the discussions rather than make a binding tariff decision.

NERPC/TCC forum did not approve a binding decision on gas price blending for Palatana. Instead, it recommended further state approvals and regulatory steps before blended gas could be used.

There wasn't a formal acceptance of OTPC's proposed pricing in those forums — meaning the idea was discussed but not agreed upon.

As such, when Tripura's Power Minister spoke about the outcome of these discussions, his point was essentially that the blending proposal has not yet been fully approved at the forum level and pricing aspects remain subject to further decision-making outside of NERPC/TCC, including by CERC and the beneficiary states themselves.

OTPC proposed blending additional gas with its existing supply at a certain price for more reliable generation.

NERPC/TCC discussed it but did not fully approve the pricing or implement the proposal; they recommended further state approvals and regulatory process, especially because tariff is under CERC's purview.

Hon'ble Power Minister of Tripura's remark reflects this — the proposal wasn't accepted/ratified in those meetings yet, especially on pricing grounds.

Excess gas supply if any by ONGC/Gail and for that the increase generation by OTPC may be discussed and clarified in the coming TCC/NERPC meeting.

Tripura may update.

Deliberation of the TCC:

Tripura highlighted the issue of gas blending and highlighted the issue of billing with enhanced rate. He further requested the forum to discuss this matter in detail.

TCC recommended the following:

1. OTPC may increase generation in consultation with beneficiaries
2. OTPC may generate and raise bill in terms of PPA
3. OTPC may approach CERC with additional gas proposal and for tariff determination
4. A Special Commercial Meeting may be convened to deliberate the issue in detail.

TCC noted and referred it to NERPC for information.

Deliberation of the NERPC:

NERPC noted.

5.6. Final SoP/ Guidelines for diversion of RPC approved Spare Transformers and Reactors to the constituents / state transmission utilities: NERPC

From time to time, Regional Power Committees (RPCs) have approved procurement of cold spare transformers and reactors based on regional requirements assessed as per recommendations of the Committee constituted by CERC. During deliberations in various RPC and sub-committee meetings, the need for a standardized and transparent mechanism for utilization/diversion of such RPC approved spares by constituent utilities / State Transmission Utilities (STUs) was emphasized.

Accordingly, SRPC and NRPC have separately examined the matter and finalized region specific Standard Operating Procedures (SoPs) / Guidelines for diversion of RPC approved spare transformers and reactors, which have now been referred to NPC for consideration with a view to ensuring uniformity at the pan-India level.

In Southern Region, PGCIL placed the requirement of cold spare transformers and reactors before the 50th TCC and 53rd SRPC Meetings (30.11.2024 and 29.11.2024). During discussions, PGCIL was requested to evolve a detailed

modality for utilization of regional spares. In compliance, PGCIL submitted a draft SoP, which was deliberated in the 62nd Meeting of the Commercial Sub-Committee of SRPC (07.03.2025) and 224th OCC Meeting (11.03.2025). As per the decision of the 28th National Committee on Transmission (NCT), it was agreed that comprehensive proposals for all regions may be placed before NPC. Subsequently, PGCIL submitted a revised and finalized SoP (attached at **Annexure-2.7**), incorporating suggestions of Southern Region beneficiaries and SRPC Secretariat, which has been approved by PGCIL Corporate Office and forwarded for NPC approval.

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

General Features of the SOP is as below:

i) The SOP lays down a structured framework for diversion of RPC-approved regional spare transformers and reactors maintained by POWERGRID to address emergency and contingency situations, while ensuring continued readiness of the ISTS.
ii) The SOP is applicable exclusively to regional spares approved by the concerned RPC and installed at ISTS substations. Diversion is permitted only to ISTS entities (POWERGRID/TSPs) and, in case of equipment failure, to STU substations.

iii) Diversion for new projects, capacity augmentation, or inter-regional transfer is explicitly prohibited, thereby preserving the strategic role of regional spares for grid security.

iv) All diversions are allowed strictly on a replenishment basis, with ownership of the equipment remaining with POWERGRID at all times.

v) The SOP clearly delineates roles and responsibilities of POWERGRID, borrowing TSPs/STUs, and the RPC Secretariat, ensuring transparency, accountability, and regulatory oversight.

vi) A defined diversion procedure is prescribed, including submission of a formal request with technical justification, evaluation by the RPC forum, and execution of a MoU within a stipulated timeframe following RPC approval.

vii) The SOP mandates joint inspection and testing of the equipment prior to diversion as well as upon return, to safeguard asset condition and operational reliability.

viii) Timelines and tenure of diversion are clearly specified, with diversion normally permitted up to 24 months, extendable only with explicit RPC approval. Provision is also made for early recall in the interest of grid security.

ix) Key milestones such as Zero Date (handover date) and Return Date (re-handover date) are clearly defined to enable effective monitoring and compliance.

x) Bank Guarantee equal to equipment cost, valid till 45 days after return.

xi) Delay beyond 24 months: 15% of YTC penalty (pro-rata) and continued default: BG encashment or regulatory action.

xii) POWERGRID maintains central register with all diversion details which Includes borrower data, equipment details, test results, and YTC adjustments. SOP reviewed periodically for operational or regulatory updates.

In 17th NPC meeting, the SOP was in principle approved. All the RPCs are to adopt this SOP.

TCC may deliberate.

Deliberation of the TCC:

MS, NERPC apprised the forum that the SOP for the diversion of RPC-approved spare transformers and reactors to constituent utilities was in-principle approved during the 17th NPC meeting for adoption across all RPCs. He stated that NERPC Secretariat will circulate the SOP among all constituent utilities to seek their formal comments and observations. The consolidated feedback will then be forwarded to NPC Secretariat.

TCC noted and referred it to NERPC for information.

Deliberation of the NERPC:

NERPC noted.

5.7. Energisation of 220 kV Bus–II at Sonabil S/s on immediate basis: NERLDC

The 220 kV Sonabil substation is one of the critical substations for the NER system, and the availability of this corridor has a significant impact on the TTC of Assam as well as the overall NER grid.

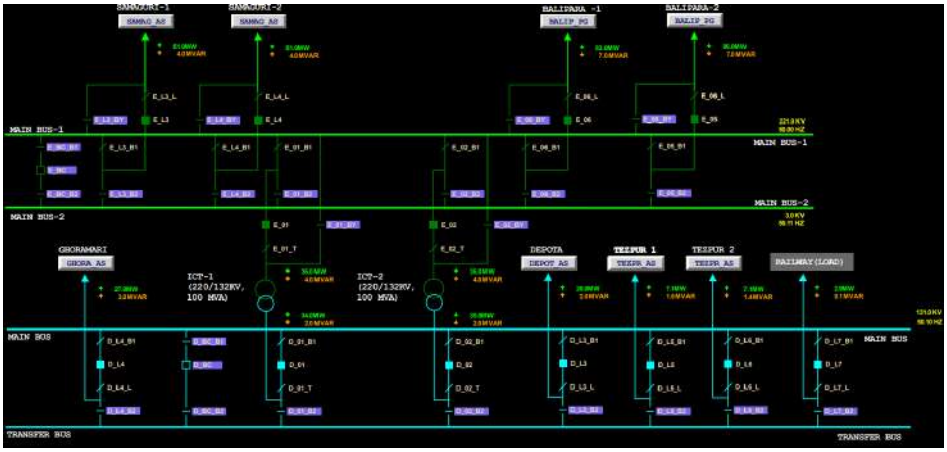


Fig: Single line diagram of 220/132 kV Sonabil station

During the shutdown of Bus–1 at Sonabil on 08-02-2026, it was informed that 220 kV Bus–II at Sonabil is not in operation. Consequently, in order to

avail the shutdown of 220 kV Bus–1, all elements connected to Bus–1 were taken out of service. The list of affected elements is given below:

a) 220 kV Balipara–Sonabil D/C
b) 220 kV Sonabil–Samaguri D/C
c) 2 × 160 MVA, 220/132 kV ICTs at Sonabil

Isolation of these elements at the 220 kV Sonabil station is adversely affecting the reliability of the NER grid. In view of the above, you are requested to kindly restore 220 kV Bus–II at Sonabil station at the earliest.

In the 235th OCC meeting, AEGCL informed the forum that the physical 220 kV Main Bus-II exit at Sonabil Substation is under implementation and is expected to be commissioned by December 2026.

In view of the strategic importance of Sonabil substation for maintaining grid reliability and TTC margins in the NER region and noncompliance of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022, AEGCL advised to expedite the energisation of 220 kV Bus–II.

AEGCL may respond. TCC may deliberate.

Deliberation of the TCC:

- **NERPC Secretariat** apprised the forum that 220 kV Main Bus-II is physically ready but remains un-energised primarily due to pending SCADA coordination and integration issues.
- AEGCL informed that they have formally taken up the matter with Siemens regarding the necessary bus bar protection. Besides, associated software upgradation is also being taken up.
- Further, AEGCL informed the forum that the anticipated timeline for charging the Bus-II at Sonabil is December 2026, as the procurement of three specific peripheral units is under process for integrating 3 bays

in bus bar relay. Further, AEGCL informed the forum that the anticipated timeline for charging the Bus-II at Sonabil is December 2026, as the procurement of three specific peripheral units is under process for integrating 3 bays in bus bar relay.

Recognizing the technical complexities involved, TCC forum opined a separate meeting among NERPC, NERLDC and AEGCL maybe convened to resolve the specific SCADA and bus bar protection bottlenecks to explore the possibility of early charging.

TCC noted and referred it to NERPC for information.

Deliberation of the NERPC:

NERPC noted.

5.8. Renovation of the Switchgears and Protection System in the existing Intra-state 33/11KV Substations of MePDCL.

It may be mentioned and as your good self is aware, the proposal of MePDCL for "Renovation of Protection System in 33/11KV Substations (existing) - MePDCL", was considered for eligible for funding under PSDF, in the 27th TCC & 27th NERPC. The DPR for the aforementioned works was submitted by MePDCL to PSDF Secretariat, NLDC Grid-India, New Delhi, during the month of June 2025. However, till date there is no further correspondence from the PSDF Secretariat, NLDC Grid-India.

The same issue was flagged by MePDCL representatives in 231st OCC Meeting.

Subsequently, a copy of the DPR along with all supporting documents was emailed to NERPC Shillong on the 10th October, 2025.

MePDCL may explain.

TCC may deliberate.

Deliberation of the TCC:

Taking into account the PSDF fund constraints, **MS, NERPC** recommended that MePDCL should incorporate this proposal for the renovation of the 33/11kV switchgears and protection systems into their action plan for **Phase-2 of RDSS** to ensure timely execution.

TCC noted and referred it to NERPC for information.

Deliberation of the NERPC:

NERPC noted.

5.9. Shifting of vulnerable location No. 124- 127 & 174, 175 of 132KV Roing-Pasighat Transmission Line: POWERGRID

The Location no.124-127 and 174, 175 of 132KV Roing-Pasighat transmission line, is critically affected due to the river course change of the Siang River.

Vide NERPC Office order no: NERPC/MS/2025-26/2602-2607 dtd. 14/10/2025, a subgroup comprising of members from NERPC, NERLDC, POWERGRID, AEGCL, Arunachal state (APEC/DoP) was formed for the inspection of vulnerable locations of 132 kV Roing – Pasighat line and to suggest recommendations to address the problem.

The committee members visited the site on 23.10.25 and observed that the river Siang has significant impact on the surrounding infrastructure and environment. The erosion has also led to shifting of the local habitat near the river bank, disrupting the ecological balance in the area. The Public Works department (WRD) of Ar. Pradesh have also noted the change of course of the Siang River and the threat it poses to nearby infrastructures. The unpredictable changes in the river's course further complicates the efforts to manage the river bank and protect the surrounding areas.

The committee recommended that for diversion of tower loc 124-127 of 132 kV Roing-Pasighat line, 4 nos of new pile foundations with higher body

extension will be required. Similarly, for diversion of tower location 174 & 175 of the same line, 2 nos new pile foundations will be required to save the line from the danger of massive soil erosion of Siang river.

In 235th OCC Meeting, the forum in principle agreed for the preventive shifting of the said towers.

Estimate cost for shifting of location no. 124-127 and 174 &175 of 132 kV Roing -Pasighat line using pile foundation is ₹24 Crs. Powergrid has requested to consider this cost under ADD-CAP of this line.

Sub-committee may deliberate.

Deliberation of the TCC:

TCC acknowledged the severe threat to the transmission infrastructure and noted the OCC's in-principle technical approval for the shifting of the towers.

Regarding the financial approval of the ₹24 Crores under ADD-CAP, TCC opined that a Special Commercial Meeting may be convened to deliberate on the cost estimates and finalize the commercial modalities.

TCC noted and referred to NERPC for information.

Deliberation of the NERPC:

NERPC noted.

5.10. Outage of 400kv Palatana-SM Nagar(ISTS) T/L and 132kv Palatana-SM Nagar(TESCL) TL for construction of multi circuit tower in place of 03 nos ERS installed in between loc 91 & 92 of 400 kV Palatana-SM Nagar T/L: POWERGRID

The D/C Palatana-Surjamaninagar Transmission Line connects the generating station OTPC, Palatana to Surjamaninagar TSECL SS (charged at

132 KV) through one circuit and Surjamaninagar ISTS Indigrid SS (charged at 400 KV) through the other circuit.

For crossing over of the two circuits in between Location 91 & 92 during commissioning of 400KV Palatana-SM Nagar (ISTS) TL, three nos ERS towers have been installed in June 2021. Now due to uncertainty of upgradation of TSECL Bays from 132KV to 400 KV, it has been decided in the 22nd NERPC Meeting that permanent measure may be taken by POWERGRID in place of the already installed ERS towers.

It is planned for installation of 01 no Multi Circuit Tower in place of 03 nos ERS. Accordingly, Tower was spotted and Foundation works have already been completed. The proposed multi circuit tower loc. has been spotted near the two nos ERS in between Loc 91 & 92 on account of space constraints and on technical grounds.

The construction of Mult circuit Tower for shifting of 132kV Palatana-SM Nagar (TSECL) TL from ERS towers is not at all possible without the continuous shutdown of 400kV Palatana-SM Nagar (ISTS) TL and 132kV Palatana-SM Nagar (TSECL) TL.

Feasibility of ERS:

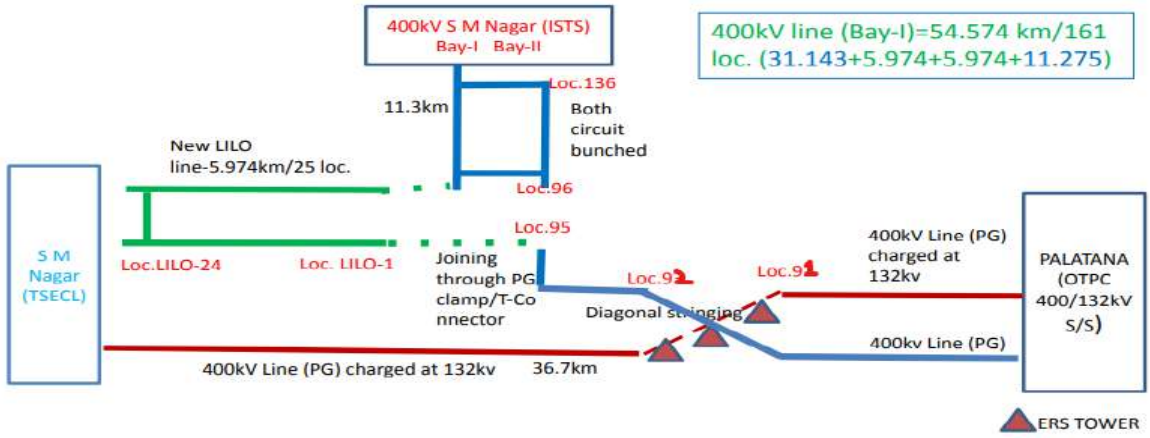
ERS erection is not feasible due to space constraint as already three nos ERS are installed in this span.

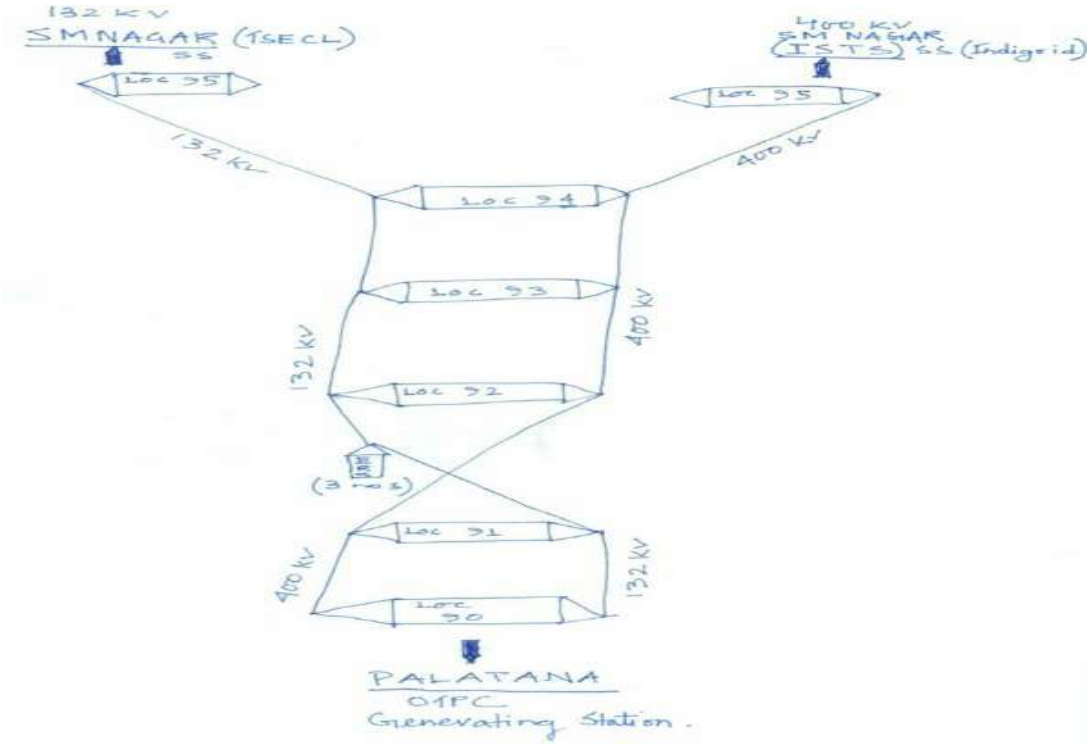
In view of the above, the construction of Mult circuit Tower for shifting of 132kV Palatana-SM Nagar(TSECL) TL from ERS towers requires the minimum 30 days continuous shutdown of 400kV Palatana-SM Nagar(ISTS) TL and 132kV Palatana-SM Nagar(TSECL) TL as it involves the following huge works and same was proposed in the month of January/February 2026 which not was not approved in the 234th OCC Forum:

- Removal of jumpers and spacers of all the phases of all the towers.
- Destringing of conductor (Twin Moose) from all 03 nos ERS Towers.

- Dismantling of 03 nos ERS Towers.
- Back stay arrangements of the Towers before destringing of conductors.
- Destringing of existing conductor of all 3 phases of 400kV Palatana-SM Nagar (ISTS) TL in between Loc 91 & 92.
- Erection of Multi Circuit Tower.
- Stringing of 02 circuits (3 phases each) through the Multi Circuit Tower.
- Removal of back stay arrangement.
- Fixing of spacers and other accessories between conductors in all 6 phases.
- Jumpering works of all 6 phases i.e., 2 circuits.

Present Scheme of 400KV Palatana-SM Nagar TL





Subcommittee may deliberate.

Deliberation of the TCC:

Representative of Powergrid explained the issue. He further apprised that the current arrangement running on ERS since long and therefore the work of permanent towers needs to be taken up at the earliest.

Tripura acknowledged the necessity of the permanent infrastructure upgrade but requested POWERGRID to communicate the exact, finalized schedule for the proposed 30-day shutdown. This definitive timeline is crucial for Tripura so that they can formally approach and coordinate with Bangladesh regarding the power scheduling and cross-border grid implications during the outage period.

TCC noted the operational constraints and referred to NERPC for information.

Deliberation of the NERPC:

NERPC noted.

5.11. Shutdown of Loktak Power Station (105 MW) for Undertaking Renovation & Modernization Works: NHPC

Loktak Power Station (3×35 MW) was commissioned during April–May 1983 and completed its normative useful life of 35 years in May 2018 in accordance with the CERC Tariff Regulations, 2014. Subsequently, Hon'ble CERC, vide Order dated 24.07.2019 in Petition No. 248/MP/2018, 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.

Present Status:

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.

- **Civil Works:**
  - Out of 5 civil packages, works of 4 packages have been completed.
  - 1 civil package is under progress.
  - HM package is under progress with approximately **66% completion**.
- **Electro-Mechanical Works:**
  - Out of 5 EM packages, 3 packages have been completed and 2 are under progress.
  - Supplies for major EM packages—Generators, Turbine & Accessories, Digital Governing System, Main Inlet Valve, Butterfly

Valve, Static Excitation System, and Control & Monitoring (SCADA) System—have been received.

- BHEL teams alongwith other vendors are being mobilized at site for execution.

For execution of common auxiliaries, shutdown of all units is essential. Accordingly, a complete shutdown of the power station for six months has been envisaged, during which R&M works of one unit shall also be undertaken. Thereafter, unit-wise shutdowns will be carried out sequentially while keeping remaining units available for generation.

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. As per the approved plan, the complete shutdown of Loktak Power Station was scheduled from November 2025 to April 2026 (six months). However, due to logistical constraints and delay in supply of materials by BHEL, the schedule could not be adhered to. The progress of the project was reviewed in January 2026, and a tentative shutdown plan was intimated to NERPC vide email dated 03.01.2026, followed by submission of a detailed shutdown schedule vide letter No. NH/O&M/R&M/01A/1071 dated 28.01.2026.

Proposal:

Generation from Loktak Power Station is presently minimal and showing a declining trend. Considering the advanced stage of R&M preparedness and mobilization of contractor manpower at site, it is operationally prudent to commence the shutdown as planned.

Accordingly, as intimated vide NHPC letter No. **NH/O&M/R&M/01A/1071 dated 28.01.2026**, complete shutdown of Loktak Power Station was planned w.e.f. **03.02.2026**, as per the schedule below:

Sl. No.	Shut Down Schedule	Start Date	End Date	Shut Down Period in Months	Remarks
1	Complete Shutdown of Plant	03.02.2026	02.08.2026	Six	
2	1st Unit Stand Alone Shut Down	03.08.2026	02.11.2026	Three	2 Units shall be available for generation
3	2nd Unit Stand Alone Shut Down	03.11.2026	02.04.2027	Five	
4	3rd Unit Stand Alone Shut Down	03.04.2027	02.09.2027	Five	

The issue was raised in 235th OCC meeting held on 20th February wherein Manipur has objected to the proposal in view of upcoming monsoon season, absence of power availability at Noney and Tamenglong districts due to outage of Rengpang feeder and probable flooding of nearby areas of Loktak lake. SLDC, Manipur was directed by NERPC to make suitable arrangements for addressing the issue of outage of Rengpang feeder.

In this context it is assured that out of complete shutdown period of six months, complete shutdown of switchyard will be for a duration of 40 days at a stretch and further intermittent shutdowns of 2-5 days as per requirement for the remaining period of complete shutdown.

Accordingly, shutdown schedule for RMLE works is proposed hereunder;

Sl. No.	Shut Down Schedule	Start Date	End Date	Shut Down Period in Months	Remarks
1	Complete Shutdown of Plant alongwith Shutdown of 1st Unit	16.03.2026	15.09.2026	Six	

2	1st Unit Stand Alone Shut Down continued	16.09.2026	15.12.2026	Three	2 Units shall be available for generation
3	2nd Unit Stand Alone Shut Down	16.12.2026	15.05.2027	Five	
4	3rd Unit Stand Alone Shut Down	16.05.2027	15.10.2027	Five	

In the context of NHPC's letter dated 28.01.2026 and NERPC advice vide email dated 02.02.2026 the proposed shutdown of Loktak Power Station for execution of approved R&M works is placed before the TCC/NERPC forum for kind consideration and concurrence. The complete shutdown of Loktak Power Station shall follow with the approval of the TCC/NERPC forum.

Subcommittee may deliberate.

Deliberation of the TCC:

Manipur reiterated its strong objections to the proposed timeline, emphasizing that a complete shutdown extending through the peak monsoon season poses a severe flood risk in the Loktak Lake vicinity.

Furthermore, it was highlighted that the ongoing outage of the Rengpang feeder has already compromised the power supply in the Noney and Tamenglong districts, making the complete shutdown unviable at this juncture.

The forum acknowledged the critical nature of the R&M works but concurred with Manipur's safety concerns. The forum firmly stated that extending the shutdown into June is not permissible due to the severe flooding risks.

Representative of NHPC submitted that shutdown period could be squeezed to June'2026 to the best extent possible.

TCC forum directed NHPC that the critical works necessitating the complete shutdown must be expedited and concluded by May'2026.

NHPC was further instructed to initiate immediate, detailed discussions with the Government of Manipur to align the shutdown schedule with the state's flood management and power supply constraints.

TCC noted and referred to NERPC for information.

Deliberation of the NERPC:

NERPC noted.

6. PART E: ITEMS RECOMMENDED FOR REFERRAL TO SUB-COMMITTEE

6.1 Regional Cyber Security Coordination Forums for NER: NERPC

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

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

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

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

ii. The draft Central Electricity Authority (Cyber Security in Power Sector) Regulations, 2025 proposes the following (at Clause 5):

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

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.

Deliberation of the TCC:

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.

TCC noted as above.

For information.

Deliberation of the NERPC:

NERPC noted.

6.2 Implementation of Travelling Wave Fault Locator (TWFL) on critical transmission lines in NER: NERPC

In the 80th NRPC meeting held on 18.07.2025, a proposal received from POWERGRID for Implementation of Travelling Wave Fault Locator (TWFL) in hilly terrains, Critical Renewable, & NCR transmission lines in Northern Region was discussed. After detail deliberation, NRPC forum decided to

formulate a sub-group, comprising members from CEA, CTU, NRPC, NRLDC, PowerGrid, Indigrid, ATIL, Sterlite, Sekura, RVPNL, PTCUL, HPPTCL and JKPCTL with the following Terms of Reference (ToR):

a. Formulate criteria to identify critical transmission lines that warrant the installation of TWFL, based on operational importance and reliability considerations.
b. Evaluate the restoration benefits of TWFL specifically in terms of fault location and faster restoration by comparing scenarios with and without TWFL, using data provided by POWERGRID for lines where TWFL is already implemented. Accordingly, based on nominations received from concerned utilities, Sub-group was formed under Chairmanship of SE (O&P), NRPC. Sub-group held two meetings on 28.08.2025 and 17.10.2025 respectively. Further, a physical visit at POWERGRID Meerut S/s was conducted by a team comprising of members from CEA, NRLDC, CTU and NRPC Secretariat on 19.09.2025 to understand the functioning of the TWFL system and to evaluate the benefits of its installation on transmission lines.

After deliberation in the meetings, sub-group members agreed that;

a. Travelling Wave-Based Fault Locator (TWFL) has emerged as a highly advanced and precise fault location technology. This is useful for quickly identifying the fault location with accuracy (±500 m error), which directly contributes to reduced outage durations, improved system availability, and enhanced reliability of the transmission network.
b. TWFL implementation may be taken up in a phased manner. Following criteria may be used to identify critical transmission lines for installation of TWFL in the first phase:
    i. 220kV, 400kV and 765 kV lines having length more than 200 Km.
    ii. 220kV, 400kV and 765 kV lines used for evacuating nuclear and RE Power having length more than150 Km.

iii. 220kV and above lines in hilly terrain.

iv. Inter-regional 220kV and above lines having length more than 150 Km.

c. A policy may be formulated by CTU for implementation of TWFL in intra-state lines.

In 81st NRPC meeting held on 31.10.2025, CTU opined that policy for Implementation of Travelling Wave Fault Locator (TWFL) for ISTS and intra state lines may be formulated by CEA in consultation with CTU, Grid-India and all other NR stakeholders. NRPC Forum was of view that the agenda maybe discussed at subcommittee meetings of RPC and the recommendations may be discussed at the NPC level for uniform policy decisions at the pan-India level.

Sub-committee may deliberate.

Deliberation of the TCC:

NERPC Secretariat apprised the forum that in 17th NPC Meeting, Smt. Pansngiat Sun, TCC Chairperson, NERPC & Director (Transmission), MePTCL had requested that while the present criteria primarily consider higher voltage transmission lines, deployment of such systems for lower voltage levels (e.g., 132 kV) in NER may also be considered.

Further, 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.

TCC noted as above.

For information.

Deliberation of the NERPC:

NERPC noted.

6.3 Uniform criteria on Harmonics measurement in the grid: NERPC

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

Grid- India vide email dated 02.02.2026 submitted the draft guidelines (attached at **Annexure-6.3**) for uniform criteria on harmonic measurement and other parameters in accordance with the provisions of the Central Electricity Authority.

Sub-committee may deliberate.

Deliberation of the TCC:

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.

TCC noted as above.

For information.

Deliberation of the NERPC:

NERPC noted.

6.4 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 kilometer (ckm) of transmission lines operated by a licensee:

a. <500 ckm: May enter into mutual agreement for ERS sharing.
b. 500–5000 ckm: Minimum 1 ERS set to be maintained.
c. >10,000 ckm: Minimum 3 ERS sets to be maintained and so on.

Note: In the MoP guidelines, the minimum no. of towers (tension & Suspension) to be considered while utilities are procuring the ERS set is not mentioned.

As per the deliberations held on 10.05.2025 under the chairmanship of Secretary (P) on the review of disaster preparedness on grid operations and transmission system restoration, it was decided that CEA would:

(a) issue SOP for the restoration of transmission system, and
(b) issue directions to the SERCs/SLDC/Utilities concerned to ensure that generating stations of islanding schemes are accorded most run status.

In response, PSE&TD Division, CEA vide letter dated 11.05.2025, has been issued SOP for the restoration of transmission system and NPC Division, CEA vide letter dated 11.05.2025 has been issued directions to the SERCs, SLDC, RPCs and Utilities concerned to ensure that generating stations of islanding schemes are accorded most run status.

Further, the details regarding the status of availability of ERS entity wise were sought by NPC Division, CEA from all RPCs and POWERGRID and RPCs were also requested vide email dated 18.11.2025 to update the status of availability of the Emergency Restoration System (ERS) in their region in every OCC meeting, based on data up to the last day of the preceding month and also include the status of ERS in the Minutes of the OCC meeting.

In the review meeting of RPCs held under the Chairpersonship of the Chairperson, CEA on 02.02.2026, Chairperson, CEA directed to refer the matter to PSETD, CEA to examine and standardize the minimum number of towers required to be maintained in an ERS set considering tension and suspension tower numbers.

Sub-committee may deliberate.

Deliberation of the TCC:

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.

TCC noted as above.

For information.

Deliberation of the NERPC:

NERPC noted.

6.5 Submission of Remote Site Details and Backup Control Centres of Assam, Arunachal Pradesh, Mizoram, Tripura, and Manipur for the VoIP Communication System Project: POWERGRID

The scheme "*Supply and Installation of VoIP Communication System including Phones, Voice Recorder, etc., for Grid Operation for all Five Regions (NR, NER, SR, WR, ER) at NLDC, RLDCs, and SLDCs"* has been approved in 27th NCT dated 24.02.2025 and the CTU OM dated 24.02.2025 issued for implementation of the scheme on RTM basis to POWERGRID.

The broad scope of the scheme includes supply and installation of **VoIP phones and PoE switches** at local and remote stations, along with establishing **main and backup control centres** for NLDC, RLDCs, SLDCs, and the International Exchange to create an integrated communication network across the country.

Further, POWERGRID awarded to the M/s Orange for implementation of the scheme. The broad scope for NER region includes:

- **2 (Main + Backup) Control Centres for NERLDC**,
- **2 (Main + Backup) Control Centres each** for the SLDCs of **Assam, Arunachal Pradesh, Mizoram, Tripura, Manipur, Nagaland, and Meghalaya**, and
- **Supply and installation of approximately 900 VoIP phones and PoE switches** across remote locations associated with these control centres.

Current Status:

A kick-off meeting was held on 19.01.2026 and all the Constituents were asked to share the information regarding the Address/location of SLDCs (Main & Backup), availability of space and also the address of the Substations where VoIP phones are to be installed.

- M/s Orange has completed surveys at the **Main and Backup NERLDC** and most of the **Main SLDC control centres excluding Assam Main Control centre.**
- Surveys for the **Nagaland and Meghalaya Backup Control Centres** are ongoing.

Issue:

1. M/s Orange has reported **pending confirmation of backup control centre locations** for the following SLDCs:

- Assam
- Arunachal Pradesh
- Mizoram
- Tripura
- Manipur

2. Further, M/s Orange reported for non-confirmation of space in Assam main control centre, Guwahati. This delay is affecting the timely progress of survey and installation activities.

3. The address of substations was not made available hence the M/s Orange could not do sample survey and finalise the requirement of material for the substations (sites).

Proposal:

NERPC Secretariat and the concerned state utilities may be requested to **expedite submission of complete remote site details**, including **Backup control centre locations**, to facilitate timely implementation of the project by M/s Orange.

In case, the Backup SLDC is not ready or will not be ready in another 6 months, the VoIP system of Backup SLDC can be descoped as there is failover redundancy available at NER RLDC level and another level of failover at NLDC level.

Also, if the Substation addresses are not provided, then the BoQ for the substation shall be accordingly descoped.

Action Required:

All stakeholders of the NER Region are requested to **urgently furnish the pending remote site details** by 31.03.2026 to ensure adherence to the implementation timelines of the VoIP Communication Project. Else, the Constituents are requested to confirm the descoping of the Backup SLDC and the VoIP phones at substations.

Sub-committee may deliberate.

Deliberation of the TCC:

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.

TCC noted as above.

For information.

Deliberation of the NERPC:

NERPC noted.

6.6 Elements to be Taken Over by Respective State Utilities under NERPSIP: POWERGRID

As per MoP mandates, the completion of timeline of NERPSIP is 31st Mar'26. In this context, the necessary support /direction to be issued to the concerned officer for timely taking over of the balance elements along with communication link under NERPSIP. The state-wise list enclosed as **Annexure-6.6**.

Sub-committee may deliberate.

Deliberation of the TCC:

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.

TCC noted as above.

For information.

Deliberation of the NERPC:

NERPC noted.

6.7 Reimbursement of balance State GST Component NERPSIP and CTDS-AP: POWERGRID

Against total SGST claim of ₹352.08 Cr (up to Dec'25) under NERPSIP, reimbursement of ₹113.00 Cr. is balance from States:

- Manipur: ₹15.33 Cr,
- Tripura: ₹19.08 Cr,
- Nagaland: ₹22.90Cr,

- Meghalaya: ₹43.16Cr,
- Mizoram: ₹7.06Cr
- Assam: ₹5.47Cr.

For CTDS-AP, against total SGST claim of ₹236.9 Cr, reimbursement of ₹160.00 Cr. is balance from Arunachal Pradesh.

Sub-committee may deliberate.

Deliberation of the TCC:

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.

TCC noted as above.

For information.

Deliberation of the NERPC:

NERPC noted.

6.8 Installation of OPGW on the Jointly Owned AEGCL-MePTCL Deemed ISTS Line: MePTCL

The Inter-State Transmission System (ISTS) line connecting the systems of AEGCL (Assam) and MePTCL (Meghalaya) is a "Deemed ISTS" asset jointly owned by both utilities. Since its commissioning, the line has been operating with conventional earth wire and without Optical Ground Wire (OPGW) connectivity.

In the current regulatory and technical landscape, reliable real-time data communication is a mandatory requirement for:

- Grid Visibility: Ensuring seamless telemetry data transfer to SLDCs and RLDCs.

- Protection Systems: Facilitating high-speed line differential protection and carrier-aided tripping.
- CEA Compliance: Meeting the Technical Standards for Communication System in Power System Operations.

MePTCL proposes to initiate the laying of OPGW on the aforementioned line to modernize the communication corridor. Given the joint ownership of the asset, MePTCL seeks to formalize the implementation plan and coordination strategy.

MePTCL requested the forum, and specifically the competent authority of AEGCL, to provide in-principle consent for MePTCL to propose and execute the OPGW laying.

Sub-committee may deliberate.

Deliberation of the TCC:

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.

TCC noted as above.

For information.

Deliberation of the NERPC:

NERPC noted.

6.9 Up-gradation of 132 kV Single Main Bus System to 132 kV Double Main Bus system in EHV Sub-stations of TPTL : Tripura

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

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

- Improved Reliability of Power Supply: Fault on one bus does not interrupt complete substation supply, complete substation blackout can be avoided.
- Enhanced Operational Flexibility : Load transfer between Bus–I and Bus–II can be done during maintenance.
- Better Fault Isolation : Faults are confined to the affected bus section.
- Improved Load Management : Load can be distributed between two buses.
- Increased System Security : Higher redundancy, suitable for important grid nodes, generation evacuation points, or interconnecting substations, enhances N-1 contingency compliance.
- Facilitates Future Expansion : Additional bays can be added more conveniently.

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

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

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

3	Jirania	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
4	Gamaitilla	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
5	Dhalabil	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
6	Kamalpur	Single Main 132 KV Bus System	Double Main 132 KV Bus AIS
7	Ambassa	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
8	P.K.Bari	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
Sl. No.	**132 KV Sub-station**	**Existing Bus System**	**Proposed Scope**
9	Missiontilla	Single Main 132 KV Bus System	Double Main 132 KV Bus AIS
10	Gournagar	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
11	Mohanpur	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
12	Banduar	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
13	Bagafa	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
14	Rabindranagar	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)

15	Belonia	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
16	Amarpur	Single Main 132 KV Bus System	Double Main 132 KV Bus AIS
17	Satchand	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
18	Sabroom	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)
19	Gokulnagar	Single Main 132 KV Bus System	Double Main 132 KV Bus (Hybrid AIS & GIS)

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

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

Deliberation of the TCC:

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.

TCC noted as above.

For information.

Deliberation of the NERPC:

NERPC noted.

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Annexure-I

List of Participants in 31st TCC Meeting held on 11.03.2026 at Aizawl			
1		Smt. Pansngiat Sun	Director Transmission,MePTCL and Chairperson TCC
2		Sh. B. Lyngkhoi	Member Secretary,NERPC
SN	**ORGANISATION**	**NAME (Sh./Smt.)**	**DESIGNATION**
3	**AR. PRADESH**	Sh. Tapi Tai	SE(E), Distribution
4		Sh. Zomba Nasho	SE (E), Commercial
5		Sh. Hibu Bama	EE(E), Transmission
6		Sh. Purik Buchi	AE(E), SLDC
7	**ASSAM**	Md. Zakir	CGM, APGCL
8		Sh. Pranab Jyoti Baishya	DGM, APGCL
9		Sh. Amar Chetry	AGM,APGCL
10		Sh. Ashish Hazarika	GM,AEGCL
11		Sh. Bikram Bordoloi	DGM,AEGCL
12		Sh. Dwipen Moral	CGM (Comml.),APDCL
13		Sh. Indrajit Tahbildar	DGM (Comml.),APDCL
14		Sh. Parag Kalita	AGM (Comml.),APDCL
15		Sh. Chandan Deka	CGM, SLDC Assam
16		Sh. Debasish Choudhury	DGM, SLDC Assam
17		Sh. Nillutpal Boruah	Asst GM, SLDC Assam
18	**MANIPUR**	Sh. Themchan Woleng	DGM,MSPCL
19		Sh. Shairem Anil Kr. Singh	Manager,MSPCL
20	**MEGHALAYA**	Sh. T. Gidon	Addl CE (Comml.),MePDCL
21		Sh. M. F. Mawlieh	SE (EM),MePDCL
22		Sh. Mangkyrpang War	EE (System Management),MePTCL
23		Sh. Raju L Kharkongor	SE, MePGCL
24		Sh. M.L. Pohshna	EE, MePGCL
25	**NAGALAND**	Sh. Abenthung Ngullie	SE & Head SLDC
26		Sh. P. Tiakaba Yimchunger	JE
27	**TRIPURA**	Sh. Biswajit Basu	Managing Director,TSECL
28		Sh. Debabrata Paul	DGM,TSECL
29		Sh. Subir Debbarma	AGM ,TPTL Planning
30		Sh. Anil Debbarma	AGM SLDC TRIPURA
31	**NERLDC**	Sh. Somara Lakra	CGM(I/C)
32		Sh. Sachin Kumar Singh	Manager
33		Sh. Sakal Deep	Manager
34		Smt. Bornali Nath	Dy. Manager
35	**POWERGRID**	Sh. Rajesh Gupta	ED, NERTS
36		Sh. Ashim Paul	DGM,RHQ
37		Sh. Deep Bhowmik	Ch Manager
38	**CTUIL**	Sh. Rajesh Kumar	Sr. GM
39		Sh. Manish Ranjan Keshri	Chief Manager
40	**NETC**	Sh. Ritesh Kumar	Head-BD (Corporate)
41		Sh. Navin Kr. Poddar	Head – Projects & O&M and Head – BD (Operations)
42	**NEEPCO**	Sh. Ripunjoy Bhuyan	ED (I/c)(Comml.)
43		Sh. N. J. Gogoi	GM(Comml.)
44		Sh. Rubumoni Das	General Manager (Tech), THPS
45		Sh. Peter Lalthlamuana	GM

46	**NTPC**	Sh. Ranjan Das	AGM
47		Sh. Nayanjyoti Das	DGM
48	**NHPC**	Sh. Nitish Kumar	GM
49		Sh. Gursharan Singh	GM & HOP-Loktak
50		Sh. R. Ganguly	GDGM
51	**OTPC**	Sh. Praveen Saxena	Managing Director
52		Sh. Sanjay Garhwal	COO
53		Sh. Amit Dabas	Head(Comml),Regulatory & CDM
54	**PTC**	Sh. H.L. Choudhary	Executive VP
55		Sh. Varun Virmani	Manager
56	**MUML (Resonia)**	Sh. Nitesh Ranjan	VP Head O&M
57		Sh. Mahesh Bhagat	Manager Regulatory O&M
58	**NERPC**	Sh. D.K. Bauri	Director
59		Sh. B. Lenin	Deputy Director
60		Sh. A. De	Deputy Director
61		Smt. Kanchan Chauhan,	Deputy Director
62		Sh. Vikash Shankar,	Assistant Director
63		Sh. Dinesh Kumar Singh	Assistant Director
64		Sh. J.D.Bhammar	Assistant Director
65	**MIZORAM**	Er J.H Malsawma	Engineer-in-Chief
66		Sh.Laltlanthanga	CE
67		Smt.Laltlanthangi	CE (P)
68		Sh.Malsawmdawngliana	SE
69		Smt.Lalnunpuii	Director ZEDA
70		Sh.Laldawngliana	Joint Secretary
71		Sh.H Vanlalhlima	SE
72		Sh.Zodingliana	SE (P) Distribution
73		Sh.CC Lalrimawia	SE
74		Sh.C Lalsawmliana	SE (PCII)
75		Sh.K Lalmangthanga	SE (C)
76		Sh.Zoramchhana	JD (F&A)
77		Sh.PL Liandika	EE
78		Sh.H Lallianmawia	EE Revenue
79		Sh.Lalnghakliana	EE(P) TC
80		Sh.C Lalrinmawia	EE(P) SO
81		Sh.C Daniela	EE MRT
82		Sh.V Lalzamvela	EE (P)
83		Sh.John L Khiangte	EE (P) APC
84		Sh.Ramdinsanga	EE CO
85		Sh.Thangliana	EE (P) MSLDC
86		Sh.CN Sailo	EE(P)
87		Sh.B Lalchhanhima	EO to CE(SO)
88		Sh.Lalrinawma	Under Secretary (Technical)
89		Sh.Zoramdina Ralte	EO to E-in-C
90		Smt.Lalchungnungi	I&PR
91		Smt.Zoremmawii Fanai	I&PR

Annexure-II

List of Participants in 31st NERPC Meeting held on 12.03.2026 at Aizawl		
1	Sh. Metbah Lyngdoh	Honb'le Power Minsiter Govt. of Meghalaya and Chairperson NERPC
2	Sh. Pu F. Rodingliana	Honb'le Power Minsiter Govt. of Mizoram
3	Smt. Pansngiat Sun	Director Transmission,MePTCL and Chairperson TCC
4	Sh. B. Lyngkhoi	Member Secretary,NERPC

SN	ORGANISATION	NAME	DESIGNATION
5	AR. PRADESH	Sh. Tapi Tai	SE(E), Distribution
6		Sh. Zomba Nasho	SE (E), Commercial
7		Sh. Hibu Bama	EE(E), Transmission
8		Sh. Purik Buchi	AE(E), SLDC
9	ASSAM	Md. Zakir	CGM, APGCL
10		Sh. Pranab Jyoti Baishya	DGM, APGCL
11		Sh. Amar Chetry	AGM,APGCL
12		Sh. Ashish Hazarika	GM,AEGCL
13		Sh. Bikram Bordoloi	DGM,AEGCL
14		Sh. Dwipen Moral	CGM (Comml.),APDCL
15		Sh. Indrajit Tahbildar	DGM (Comml.),APDCL
16		Sh. Parag Kalita	AGM (Comml.),APDCL
17		Sh. Chandan Deka	CGM, SLDC Assam
18		Sh. Debasish Choudhury	DGM, SLDC Assam
19		Sh. Nillutpal Boruah	Asst GM, SLDC Assam
20	MANIPUR	Sh. Themchan Woleng	DGM,MSPCL
21		Sh. Shairem Anil Kr. Singh	Manager,MSPCL
22	MEGHALAYA	Sh. T. Gidon	Addl CE (Comml.),MePDCL
23		Sh. M. F. Mawlieh	SE (EM),MePDCL
24		Sh. Mangkyrpang War	EE (System Management),MePTCL
25		Sh. Raju L Kharkongor	SE, MePGCL
26		Sh. M.L. Pohshna	EE, MePGCL
27	NAGALAND	Sh. Abenthung Ngullie	SE & Head SLDC
28		Sh. P. Tiakaba Yimchunger	JE
29	TRIPURA	Sh. Ùdayan Sinha	Additional Secretary
30		Sh. Biswajit Basu	Managing Director,TSECL
31		Sh. Debabrata Paul	DGM,TSECL
32		Sh. Subir Debbarma	AGM ,TPTL Planning
33		Sh. Anil Debbarma	AGM SLDC TRIPURA
34	NERLDC	Sh. Somara Lakra	CGM(I/C)
35		Sh. Sachin Kumar Singh	Manager
36		Sh. Sakal Deep	Manager
37		Smt. Bornali Nath	Dy. Manager
38	POWERGRID	Sh. Rajesh Gupta	ED, NERTS
39		Sh. Ashim Paul	DGM,RHQ
40		Sh. Deep Bhowmik	Ch Manager
41	CTUIL	Sh. Rajesh Kumar	Sr. GM
42		Sh. Manish Ranjan Keshri	Chief Manager
43	NETC	Sh. Jai Shankar	Managing Director
44		Sh. Ritesh Kumar	Head-BD (Corporate)
45		Sh. Navin Kr. Poddar	Head – Projects & O&M and Head – BD (Operations)

46	**NEEPCO**	Sh. Ripunjoy Bhuyan	ED (I/c)(Comml.)
47		Sh. N. J. Gogoi	GM(Comml.)
48		Sh. Rubumoni Das	General Manager (Tech), THPS
49		Sh. Peter Lalthlamuana	GM
50	**NTPC**	Sh. Ranjan Das	AGM
51		Sh. Nayanjyoti Das	DGM
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55	**OTPC**	Sh. Praveen Saxena	Managing Director
56		Sh. Sanjay Garhwal	COO
57		Sh. Amit Dabas	Head(Comml),Regulatory & CDM
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59		Sh. Varun Virmani	Manager
60	**MUML (Resonia)**	Sh. Nitesh Ranjan	VP Head O&M
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64		Sh. A. De	Deputy Director
65		Smt. Kanchan Chauhan,	Deputy Director
66		Sh. Vikash Shankar,	Assistant Director
67		Sh. Dinesh Kumar Singh	Assistant Director
68		Sh. J.D.Bhammar	Assistant Director
69	**MIZORAM**	Smt.K.Lalrinzuali,IAS	Commissioner & Secretary
70		Sh.J.H. Malsawma	Engineer-in-Chief
71		Sh.Ngursailova Sailo	Chief Engineer (SO)
72		Sh.Laltlanthanga	Chief Engineer (Dist.)
73		Smt.Laltlanthangi	CE (P)
74		Sh.Laldawngliana	Joint Secretary
75		Sh.H.Lalruatkima	SE, SLDC
76		Sh.Lalrinmawia	SE
77		Sh.Zodingliana	SE
78		Sh.C Lalsawmliana	SE
79		Sh.Malsawmdawngliana	SE (PDM)
80		Sh.Zoramchhana	JD(F&A)
81		Smt.Kristine V.L. Sailo	EE, SLDC
82		Sh.C N Sailo	EE
83		Sh.C Daniela	EE
84		Sh.Thangliana	EE (P) MSLDC
85		Sh.Zoramdina Ralte	EO to E-in-C
86		Sh.R Lalchhanhima	Project Director ZEDA

Annexure-III

Speech of

SMTI PANSNGIAT SUN,

DIRECTOR (TRANSMISSION), MePTCL
& CHAIRMAN, TECHNICAL COORDINATION COMMITTEE

ON THE OCCASION OF

THE

31st NORTH EAST REGION POWER COMMITTEE (NEPRC) MEETING

AIZAWL, MIZORAM

11TH-12TH MARCH 2026

At the outset, I convey my sincere gratitude to Mizoram P&E Department for its gracious hospitality in hosting this meeting here in this breathtaking and serene location of Aizawl. I would also like to express my appreciation to NERPC for its continuous and tireless efforts and its contributions towards the Power sector in the region for the overall welfare of the people.

The timing of the war inflicted on Iran by the US and Israel comes at a time of genuine strength for India's renewable sector with the lowest dependence on imports when compared to previous years. But the sector remains saddled with structural vulnerabilities that this conflict exposes. Critically, India's upstream solar supply chain remains heavily China-dependent, even if module assembly has been indigenized. And battery energy storage, perhaps the most important piece of the puzzle to add more renewable energy to the grid, relies on supply chains that run directly through the geopolitical fault lines this conflict is activating.

This is where the short-term risk is most concentrated. India's battery storage capacity is projected to jump from 507 MWh in 2025 to 5 GWh in 2026. A prolonged Middle East conflict that disrupts shipping lanes, weakens the rupee, and raises commodity prices simultaneously threatens the economics of every BESS project currently in procurement or construction. With the priority accorded to BESS projects for funding through PSDF and given that battery storage is now central to the CERC's grid integration framework and to meeting the government's renewable firming obligations, any slowdown here has cascading effects on the broader renewable pipeline.

Coming to the lifeline of our region – a good monsoon - new weather findings predict a possibly strong El Nino in 2026 and India potentially facing a 60 per cent likelihood of drought conditions in at least some regions, accompanied by a weaker monsoon and higher temperatures. Should such a scenario materialize, this would call for pin point declaration and scheduling of hydro generators and round the clock availability of thermal and gas power plants. Moreover, with peak demand expected to cross 4.4 GW, the transmission bottlenecks, which are part of the deliberations, would need to be taken up on priority. Distribution utilities may also plan well ahead to meet any contingencies that may arise.

The SCADA-EMS systems of NER States, being in dire need for an upgrade at the earliest timeframe possible, have hit a potential stumbling block with POWERGRID having informed that the AMC portion of the project has not been considered for the tariff purpose and that the Constituents should directly manage the AMC portion and obtain funds from PSDF for AMC. In this regard, clarity on the matter is solicited since it

appears that POWERGRID is not willing to take the AMC. This goes against the collective DPR proposal submitted for a total funding for the project cost (Supply, Installation & Commissioning) and AMC. The forum may, therefore, deliberate on the matter since any further delay in implementing the project may have repercussions on real time monitoring of the power system given the obsolete systems we are handling and the ever increasing cyber threats on the power system.

A deliberation on the methodology for installation of PMUs in locations deemed critical for the reliability of the regional grid may also be taken up in the agenda items since I did not see the agenda being included in the list of items for discussion.

It may be mentioned that CEA, in coordination with CTU and STUs, has submitted its Report on Transmission System Adequacy up to the year 2034-35 for individual States in the region. It is, therefore, incumbent on DISCOMS in the region to corroborate their Short-Term Resource Adequacy Plans with the transmission schemes approved in the above Report for planning their downstream distribution networks for meeting the projected demand. I also take this opportunity to once again request the Ministry of Power on behalf of this forum to conceptualize a scheme similar to NERPSIP for implementing those approved schemes critical to the reliability of the power system, given the acute financial constraints being faced by the NER States.

It is hoped that the deliberations would be interactive and constructive leading to decisions that would enhance the security and reliability of the power system in this region in particular and of the Nation in general. I once again congratulate Mizoram for the excellent arrangements and hospitality extended for which the people of Mizoram are known.

Thank you very much for a patient hearing.

JAI HIND.

Annexure-IV

Keynote address of Sh. B. Lyngkhoi, IES (CPES)

Member Secretary, NERPC

On the occasion of 31st TCC Meeting

Aizawl, Mizoram on 11.03.2026

Good morning, everyone.

I warmly welcome you all to the 31st TCC Meeting of NERPC in Aizawl, Mizoram under the aegis of P&ED, Mizoram.

At the outset, I would like to sincerely thank the P&ED, Mizoram team for their excellent arrangements and for graciously hosting this meeting in Aizawl. Their efforts and warm hospitality are truly appreciated. I trust that our stay here will be marked by fruitful discussions and meaningful resolution for NER power sector.

Several important regulatory developments have taken place in recent months. Central Electricity Regulatory Commission has notified the Guidelines for Virtual Power Purchase Agreements as well as the Cross-Border Trade of Electricity (Second Amendment) Regulations, 2025. In addition, Draft CERC (Terms and Conditions of Tariff) (Second Amendment) Regulations, 2025 has also been issued. I would strongly urge all stakeholders to actively participate and share their comments and suggestions on the draft regulations issued by CERC and CEA, so that the concerns and requirements of our region are effectively addressed before the final regulations are notified.

I would like to take this opportunity to congratulate all the North Eastern Region states on receiving approval from the PSDF Committee for the SCADA–EMS upgradation and replacement systems at both the regional and state levels in the North-East. I would further like to inform this forum that for this project the implementing agency will be POWERGRID. As per the approval accorded by the PSDF Committee, the project will be funded in the 70:30 ratio, wherein 70 percent of the total project cost will be supported through PSDF, and the remaining 30 percent will be borne by the NER states. This approval is a significant step towards strengthening the grid operation, monitoring, and reliability in the North Eastern Region, and I am confident that it will greatly enhance our system efficiency and resilience.

In brief, I would like to congratulate NHPC on the commissioning of Unit#2 and Unit#3 of the Subansiri Lower Hydro Electric Project, which were commissioned on 23rd December 2025 and 1st February 2026 respectively. Further I would also like to inform this forum that the trial run of Unit#1 of the project is completed on 27th and 28th Feb'2026. This is a significant milestone for the project as well as for the power scenario of the North Eastern Region.

I would like to inform this forum that North Eastern Region achieved significant operational and infrastructural progress during 2025-26, including an all-time peak demand of 4200 MW on 26th September 2025, which was met without any shortage.

India's total installed electricity capacity had crossed 500 GW as on 30th September 2025, with over 51% contributed by non-fossil fuel-based sources — achieving one of the COP26 targets well ahead of schedule. The directives of the Hon'ble Central Electricity Regulatory Commission (CERC) and Central electricity Authority regarding submission of resource adequacy data and demand forecasts were emphasized.

Now I would like draw our collective attention in development of NER Power Sector:

1. To accelerate the pace of development of huge Hydropower potential of NER to become the hydro hub of India.

2. Investments in transmission infrastructure must continue to keep pace with the growing demand. We must also focus on reducing AT&C losses and improving the financial viability of DISCOMs.
3. NER also need to Promote other Renewable Energy such as Solar, BESS, Pumped Hydro storage.
4. Access to reliable and affordable electricity is a cornerstone of socio-economic development. We must ensure that our efforts translate into tangible benefits for the people of the North Eastern Region, empowering them to lead better lives.

In conclusion, I am confident that today's deliberations will be marked by insightful discussions and constructive outcomes. Together, we can navigate through challenges and capitalize on opportunities to propel the power sector in our region towards greater efficiency and sustainability.

I extend my best wishes to all participants for a productive and enriching session. Let us work collaboratively towards a brighter energy future for our region.

Thank you once again for your attention and participation.

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Annexure-V

सत्यमेव जयते

Government of Mizoram

Speech of

Shri F. Rodingliana

Hon'ble Power Minister

Government of Mizoram

On the occasion of the

31st North Eastern Regional Power Committee (NERPC)

Aizawl, Mizoram

12th March, 2026

Power & Electricity Deptt.
Government of Mizoram

We have started construction of 24 MW capacity Tuirini Hydel Project. This is an Externally Aided Project (EAP) financed by New Development Bank (NDB). The State is also proposing to take up Tuivai HEP (132MW) project. The preparation of DPR is completed and it is expected to float tender for the work in the near future. Revision of DPR of proposed 102 MW Tlawng HP is being undertaken, Ernst & Young LLP who have been entrusted will submit the DPR within this year itself.

In solar power generation, 10 MWp Thenzawl Solar Plant was commissioned in December 2025. Construction of 5 MWp Solar Plant at Sumsuih is underway and is expected to be completed by next year. EOI for another 4 Solar Plant is being floated whose total capacity is 46 MWp. These will be in addition to the already existing 20 MWp Solar Park at Vankal.

Mizoram is also doing quite well under PM Surya Ghar: Muft Bijli Yojana and the total installed capacity totaled more than 5 MW as of now. MNRE has announced Mizoram as one of the best performing states in the North East recently.

In the field of transmission and transformation, the State is also making significant strides. In the next two years our power network system is destined to undergo significant transformation.

2x10MVA, 33/11kV Sub-Station at Chite Aizawl was successfully commissioned on Dt. 08.03.2025.

Construction of 2x6.3MVA, 132/33kV Sub-Station at Mamit with Associated 33kV Tower line up to Zawlnuam via Zamuang is completed and ready for commissioning.

Construction of 132kV line Bairabi to West Phaileng via Mamit spanning 74 Km was constructed under NEC which is now completed and is ready for commissioning.

The on-going construction of 2x25MVA, 132/33kV Sub-Station at Lawngtlai with 33 kV linking lines and associated bays is projected to be completed by March 2026.

Construction of 2x2.5MVA, 33/11kV Sub-Station with 11 kV linking lines at Marpara is expected to be completed by March 2026.

Construction of 1x12.5 132/33kV Sub-Station at Thingsulthliah will be completed by March 2026.

Strengthening of transmission & transformation system for sustainable power supply in Mizoram will be taken up under NESIDS with sanction amount of Rs. 47.8 crore. Selection of firm to execute the work has been completed, scheduled date of completion is June 2027. This Project will undertake replacement of 132kV line from Zuangtui to Bukpui with higher current carrying capacity HTLS (High Tension Low Sag) conductor and augmentation of existing Power Transformer with higher capacity at 132kV Sub-Station - Melriat, Bawktlang, Serchhip, E. Lungdar, Saitual, Khawzawl and Champhai which will result in providing more reliable power supply for the vast locations covered by these Sub-Stations.

Under Revamped Distribution Sector Scheme (RDSS), Loss Reduction work in Aizawl City consisting of replacement of bare LT and 11 kV Conductors by Aerial Bunch Cable (ABC) and construction of new LT and 11 kV lines with ABC is in progress. Prepaid Smart Metering Project for consumers in the State has been taken up and the work is awarded to Turnkey Contractor. Provision of Service connection to household without electric connection which was split into nine (9) packages had been taken up. With the completion of this RDSS schemes, all villages in Mizoram will be fully electrified.

While we continue to pursue development in power sector, the interest and security of the state and welfare of our people must always remain our foremost consideration.

During the NERPC meeting held in Sikkim in the presence of our Hon'ble Union Minister, I had mentioned that when it comes to Pumped Storage Projects (PSP), it is important for the North Eastern states to come together and present a unified voice. Under the present PSP guidelines, benefits

available to the States are very minimal. Given the significant land and natural resources required for such Projects, the current framework does not provide enough benefit to the host states.

Therefore, it is important that the concerns and interests of the North Eastern States are considered, so that development can take place in a fair and balanced manner, equally beneficial to all the parties.

Likewise, we need to keep pushing the Central Government to continue extending support to the North East States who have limited resources. We have pushed for revival of Small Hydro Power Project incentives schemes under MNRE, almost 2 years have passed with no positive outcome.

We have pressed for exemption or concession on Net Present Value (NPV) for development of small hydel project for such State(s) covered with thick forest of high NPV rates (14.36 lakhs per hectare). We also need to raise the issue of utilization of 10% GBS. Many Ministries have not set aside this 10% GBS or it is not made available for full utilization of North East States. We need to see that 10% GBS is set aside for undertaking development projects in North East are utilized efficiently.

Considering the increasing importance of power in our day-to-day life, we should push the Central Government that the 10% GBS allotted by the Central Ministries/Departments for the development of the North East, at least 20% should be set aside for Power Sector. I also request that this specific issue be included in the next NERPC agenda. If required the states should unite and collectively put pressure on the Hon'ble Prime Minister in this regard.

Lastly, the state is celebrating our biggest festival, CHAPCHAR KUT tomorrow, I invite you all to attend the Chapchar Kut festival here in Aizawl, if you can spare the time.

Once again, it has been an honour to host you. We hope you leave with fond memories of our State and with a renewed commitment to our shared mission.

THANK YOU

Annexure-VI

Government of Meghalaya

SPEECH OF SHRI METBAH LYNGDOH

CHAIRMAN, NERPC

&

HON'BLE POWER MINISTER, MEGHALAYA

ON THE OCCASION OF THE 31st MEETING OF THE

NER POWER COMMITTEE (NERPC)

At Youth Recreation Centre, Aizawl
On 12th March'2026

My Colleague ministers from North-Eastern States, Officials of the Central and State Governments, Officials from Central and State Power Utilities, Distinguished Guests, Special invitees, Ladies and Gentlemen.

A very Good Moring to all of you

At the outset, I would like to convey my sincere appreciation to the **Power & Electricity Department, Government of Mizoram**, for hosting this important meeting and for making the necessary arrangements with such dedication and efficiency. Organizing a gathering of this scale requires meticulous planning and coordination, and I commend the entire team for their efforts in ensuring that this meeting is conducted smoothly and successfully.

It gives me immense pleasure and a great sense of privilege to welcome all of you to the **31st Meeting of the North Eastern Regional Power Committee (NERPC)** being held here today in the picturesque city of **Aizawl**. Nestled amidst beautiful hills and known for its serene environment and remarkable civic discipline, Aizawl is often referred to as the *"Silent City."* The warmth and hospitality of the people of Mizoram truly reflect the spirit of the North Eastern Region, and I hope that all of you are enjoying your stay in this wonderful city.

The North Eastern region of India has seen a very distinct and unique development story. Our region has for long experienced numerous challenges in the form of poor connectivity with the mainland, difficult mountainous terrain and heavy and destructive monsoons etc. As a result, very little infrastructural development has been possible till date. These challenges have been hindering in achieving the true growth potential of the region. However, these present lacunae provide us with immense opportunities to work for the region. I believe power sector can take a lead in the development story of NER.

Power not only acts as one of the raw materials for any modern industry but also a basic necessity for general public. This makes power as one of the most important commodities of our times. Herein we find that NERPC is the most appropriate Forum to discuss all such pertinent issues facing the power sector in the North Eastern Region. We are all aware that NERPC, since its formation, has been relentlessly striving towards making the NER power system operations reliable, efficient and economical. The work carried out by forum like NERPC will contribute directly to economic growth, industrial development and quality of life of our citizens of NER States. There is also a need to collectively try and bring about some consensus on the various complicated issues and

we should also use this Forum to collectively present our common views and issues to the Govt of India, in the interest of all constituents.

I am made to understand that the 31st Technical Co-ordination Committee (TCC) Session was held yesterday and I am sure that many operational and technical issues were resolved and the TCC must have also discussed elaborately on how the power sector and the power system in the NE Region can be taken forward in a progressive manner for approval and further recommendations of the RPC. I hope that the outcome of the discussions today will significantly contribute towards an efficient power system in this region. This is imperative if we are to achieve our common objective of providing 24X7 Power for All at an affordable price.

SCADA/EMS: On the behalf of NERPC forum, I, would like to express my heart felt gratitude towards Government of India for extending its support to NER States, especially with regard to SCADA/EMS up gradation works in NER States. In respect to SCADA/EMS upgradation works, PSDF has agreed to provide 70% of project cost as a grant, and 30% of project cost would be recovered through tariffs. Power grid would be the implementing agency and consultancy charges of power grid to the extent of 100% would be funded through PSDF. It is to place on record the consistent efforts of NERPC Secretariat in follow up the issue with MoP and CEA for funding the said works under PSDF. I hope that the same spirit will continue for future projects as well.

RESOURCE ADEQUACY: CEA has prepared the Report on "Intra-state Transmission resource adequacy plan for NER states by the year 2034-35" which contains augmentation of transmission system in the NER states required by the year 2034-35 in order to reliably cater to the demands of the states for that time frame. However, it is to state that to execute the transmission projects, it requires huge amount of investment and the NER states are facing financial constraints to implement the projects. Therefore, MoP may consider financial assistance to NER Sates as NERSIP/any other comprehensive scheme etc.

NET PRESENT VALUE: As you are aware that one of constraints NER States is facing is huge project costs due to diversion of Forest Land. According to India State of Forest Report (ISFR) 2023, Ministry of Environment, Forest and Climate Change, the total coverage of Forest area in India is 21.76% which is 7,15,343sq km. Also, the Forest coverage area in the North Eastern State is 53.77 % and 66.52% including Tree coverage area. Further, the forest coverage in NER States is very high compared to other States. Herein, it is informed that the rates Net Present Value (NPV) to be realized in lieu of

Diversion of the forest land for the execution of development projects have been fixed without taking into consideration of percentage of forest coverage area. Being the forest rich, NER States have to pay the higher Net Present Value compared to the States with less forest coverage area. Due to above, project execution cost shoots up which makes projects commercially unviable. This ultimately discourage the project developers and ultimately paralyzing the investment climate in NER States. This issue was deliberated in the last North Eastern Regional Power Committee (NERPC) meeting wherein, it was agreed that NERPC would send a formal resolution highlighting the criticality of issue to Ministry of power for consideration of the following:

1. Exemption of Net Present Value (NPV) of Forest area for NE states.

   or

2. Request for Net Present Value (NPV) of Forest area to be paid by Central Government in the NE states.

   If the above 1&2 is not possible,

3. To devise a way of charging NPV in accordance with the percentage of Forest area in the state so that states having more percentage of forest cover will pay at lower rates of NPV and vice-versa.

This is a very important policy decision which GoI need to be taken expeditiously. If this is taken in favour of NER States, project costs will be reduced which will pave the way for industrial development in NER States. With this overall economy of NER States will be boosted.

PUMP STORAGE PROJECTs: North Eastern Region (NER) is meeting a substantial portion of its energy demand through clean energy sources. He emphasized the geographic and hydrological diversity of the region, including rivers bed by both glaciers and rainfall, which provides significant potential for hydro and pumped storage projects (PSPs). PsPs is a precursor to the integration of renewable with the grid. The rapid expansion of solar and wind generation and intermittency is posing grid challenges such as intra-day imbalance, frequency deviations and peak demand stress. PSPs help address these issues by storing surplus power during off-peak hours and supplying electricity during peak demand, while also providing critical services including frequency control, inertia, voltage support and black – start capability. NER States have been blessed with huge PsP potential which need to be harnessed. The main hurdle in this direction is cost of

execution is very high approximately 20CR/MW. Therefore, GoI may consider the following to boost PSP's in NER States:

- PSPs can be treated in par with Solar and wind power plants and GST exemption may be given to NER States
- Budgetary support to cost of enabling infrastructure may be enhanced to 2 CR/MW for projects up to 200MW and 200CR+2CR/MW for projects exceeding 200MW for NER States.
- Integrate PSPs in Intra-state Transmission resource adequacy plan for NER states by the year 2034-35.

CYBER SECURITY: Cyber security has become a major concern over the past few years as threats to the OT/IT infrastructure of various enterprises has increased significantly with increasing frequency and sophistication. The protection of critical information infrastructure and preservation of the confidentiality, integrity, and availability of information in cyberspace is the essence of a secure cyber space. Also, as per the Information Technology (Information Security Practices and Procedures for Protected System) Rules, 2018, "an organization having protected systems shall establish a Cyber Security Operation Centre (C-SOC) using tools and technologies to implement real time preventive, detective and corrective controls to secure against advanced and emerging cyber threats. As per this every State need to establish indigenous Security Operation Centre(C-SOC) with integrated NoC for SLDC's. This indigenous SOC with integrated operation NOC along with 5year AMC would be funded through PSDF scheme.

I am pleased to note that the establishment of this **indigenous SOC with integrated operational NOC**, along with **five years of Annual Maintenance Contract (AMC)** support, is proposed to be funded under the **Power System Development Fund (PSDF)** scheme. Considering the strategic importance of this project for strengthening cyber resilience in the power sector, I would like to express my sincere gratitude to the **Government of India** for extending financial support in the ratio of **90:10 through the PSDF scheme**.

I would like to state that since this project is very important, I would like to express sincere thanks to Govt. of India for providing funding at 90:10 through PSDF and it would be of great advantage if a common DPR is prepared by NERPC Secretariat for all the NER States so that reputed vendors will be participating and cost also give cost effective for the benefits of NER. I request NERPC Secretariat to take note of this.

Furthermore, it would be highly beneficial if a **common Detailed Project Report (DPR)** is prepared by the NERPC Secretariat for all the North Eastern States. A unified DPR will help ensure standardization of systems, encourage participation from reputed vendors, and facilitate cost-effective implementation of the project across the region.

I would therefore request the NERPC Secretariat to kindly take note of this and take necessary steps in this regard.

Capacity Building: Skilling of the constituents is the top most priority of the NERPC. I am very happy to share that as a first step in this direction, NERPC Secretariat has Created a separate a training fund under Establishment fund for all training related activities such as operation, protection, cyber security system studies and commercial for NER constituents. These training programmes will commence from this year onwards. I sincerely hope that all the constituent organizations will actively participate in these programmes and take full advantage of the opportunities provided to enhance their technical expertise and operational capabilities.

Further, I am also glad to learn that a **capacity building programme on "International Best Practices in Energy Transition"** is being supported under the **Power System Development Fund (PSDF)** with funding in the ratio of **70:30**. This initiative will provide valuable exposure to global experiences and innovative approaches in managing the transition towards cleaner and more sustainable energy systems.

In this regard, I would urge the NERPC Secretariat to actively follow up the matter with the concerned stakeholders so that the programme can be implemented effectively and deliver meaningful outcomes for the benefit of the power sector in the North Eastern Region.

Before I conclude that NER power system at this juncture needs strategic investments and policy fame work to ensure sustainable development across the region.

On behalf of NERPC, I once again extend my heartiest greetings to all the participants and look forward to very meaningful and successful deliberations.

JAI HIND!

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Annexure-1.3

Action taken report by NERPC Secretariat				
Sl No	**ISSUES**	**TCC/NERPC MEETING**	**MEETING DELIBERATION**	**Action taken/to be taken**
1	**Workforce Adequacy at Load Despatch Centres and review of Workforce guidelines of Ministry of Power for manpower position in SLDCs**	**30th TCC/NERPC**	To send a resolution to Ministry of Power to review the Manpower requirement for Meghalaya, Mizoram, Tripura and Nagaland states as per the revised quantity and request for amendment in workforce guidelines accordingly	Resolution sent in Nov'25
2	**Re-conductoring & strengthening of 132kV Transmission Lines of AEGCL by HTLS Conductor along with Terminal equipment to avoid overloading**	**30th TCC/NERPC**	To send a resolution to MoP through HPM Meghalaya and Chairman NERPC on this matter to address the issues and provide the fund to NER State as special dispensation thorough PSDF or any other fund	Resolution sent
3	**Capacity building for NER constituents on emerging technologies of Power Sector to be funded through PSDF or any other funds NERPC**	**30th TCC/NERPC**	Forum agreed, in-principle, to the proposal of self-funding. Member Secretary, NERPC stated that the amount of contribution (utility wise) required and other details will be presented in the next RPC meeting.	Under Finalisation
4	**Inclusion of HPX in various NERPC forum as non-member Participants**	**30th TCC/NERPC**	Member Secretary, NERPC, informed that during the 56th CCM, it was agreed in principle to consider HPX as non-member participant of NERPC forum. After detailed deliberation, the TCC endorsed the decision of 56th CCM and referred to NERPC forum.RPC endorsed the decision TCC forum.	HPX has been included as a non-member Participants
5	**Approval for procuring service for deployment of 13 no. of outsource staff and 09 nos. Security Staff for NERPC Secretariat**	**30th TCC/NERPC**	Member Secretary, NERPC, briefed the requirement of additional outsourcing staff and Security Staff at NERPC Secretariat as per the assessment of internal NERPC committee. The forum endorsed the requirement of the NERPC Secretariat for 13 no. of outsource staff and 09 nos. Security Staff. RPC endorsed and concurred the decision TCC forum.	1. 9 no. of outsource staff and 09 nos. of Security Staff have been deployed for NERPC Secretariat 2. Deployment of 4 no. of outsource staffs is under process

6	**Improvement of Switchyard Earthing System at the following Power Stations of MePGCL - MePGCL**	**30th TCC/NERPC**	To send a resolution to MoP through HPM Meghalaya and Chairman NERPC on this matter to address the issue and provide the funds to NER State as aspecial dispensation thorough PSDF or any other fund	Resolution sent
7	**Implementation of Digital Tele-Protection Coupler (DTPC) in all 132kV Feeders of MSPCL - MSPCL**	**30th TCC/NERPC**	To send a resolution to MoP through HPM Meghalaya and Chairman NERPC on this matter to address the issue and provide the fund to NER State as special dispensation thorough PSDF or any other fund	Resolution sent
8	**DPR for Implementation of Digital Substation Control Protection & Substation Automation at LTPS, NRPP & KLHEP System of APGCL**	**30th TCC/NERPC**	To send a resolution to MoP through HPM Meghalaya and Chairman NERPC on this matter to address the issue and provide the fund to NER State as special dispensation thorough PSDF or any other fund.	Resolution sent
9	**Installation of DTPC for Protection Scheme and Replacement of Control & Relay Panels for R&M of EHV Sub-Stations in Nagaland.**	**30th TCC/NERPC**	To send a resolution to MoP through HPM Meghalaya and Chairman NERPC on this matter to address the issue and provide the fund to NER State as special dispensation thorough PSDF or any other fund .	Resolution sent
10	**Bus Strengthening of 132kV and 33kV system at 132/33/11kV Kohima Sub-station**	**30th TCC/NERPC**	To send a resolution to MoP through HPM Meghalaya and Chairman NERPC on this matter to address the issue and provide the fund to NER State as special dispensation thorough PSDF or any other fund.	Resolution sent
11	**Communication Audit for the systems installed at ISTS/SLDC stations of NE Region**	**30th TCC/NERPC**	MS NERPC stated that NERPC will undertake communication audit of all the substations for which data have been submitted at the earliest.	SLDC Meghalaya and 132 kV Nehu SS communication audit has been completed and audit report has been shared for due compliance

After deliberations, Monitoring Committee approved the recommendation of the Appraisal Committee to de-sanction the above proposal.

3.2 SCADA/EMS projects for 7 NER states (Proposals 462 to 468):

It was apprised to the committee, that the proposals for the Upgradation of Hardware, Software and Associated System for SCADA EMS in 7 State Load Despatch Centres of NER region, recommended by the Appraisal Committee were considered in 25th meeting of the Monitoring Committee held on 13th June 2025. During the meeting, Monitoring Committee suggested that, instead of installing separate SCADA/EMS hardware and software at seven different locations, a single centralized SCADA/EMS system could be installed at one location to serve all seven SLDCs of the NER, with separate front-end systems at each SLDC control center. To examine this proposal, a three-member group was constituted comprising of JS&FA (MoP), Member (Power System), CEA, and CMD Grid-India.

Accordingly, a 3-member group reviewed the project in line with the recommendation of Monitoring Committee & observed the centralized SCADA-EMS may not be a viable solution considering several technical issues and that the centralized SCADA-EMS system may pose significant challenges from Operation, Maintenance and Ownership point of view and recommended individual SCADA/EMS for each SLDC of NER.

After deliberations, Monitoring Committee approved the proposal and directed to execute the project through POWERGRID via the RTM route, with 70% funding provided as a grant through PSDF and remaining 30% cost to be recovered through tariff. It was also decided that the consultancy charges of POWERGRID to the extent of 100% will be funded through PSDF. The POWERGRID shall be the implementing agency for this project and the PSDF grant shall be released to POWERGRID in line with PSDF guidelines. The sanction order will be issued after acceptance of the above by the States.

3.3 Proposal of MSETCL, Maharashtra-Implementation of Nagpur Islanding Scheme under EHV PC O&M Zone, MSETCL, Nagpur (Proposal No. 447):

Monitoring Committee was apprized that Appraisal Committee has recommended the proposal of MSETCL, Maharashtra for "Implementation of Nagpur Islanding Scheme under EHV PC O&M Zone, MSETCL, Nagpur (Proposal No: 447)" at total recommended grant of ₹ 16.03 Crore [90% grant for Islanding Portion i.e. ₹ 9.19 crore, and 50% grant for OPGW Portion i.e. ₹ 6.84 crore] in accordance with Clause 6.2 (ii) of the PSDF Guidelines-2024 for sanction.

Monitoring Committee approved the proposal with recommended grant of 13.99 crore [i.e ₹ 7.15 crore (70% of ₹ 10.21 crore) and grant of ₹ 6.84 crore for OPGW portion (50% of ₹ 13.67 Crores)].

3.4 Proposal of JdVVNL, Jodhpur, Rajasthan - Installation of Dynamic/ Automatic Capacitor Banks on 11 kV side of 33/11 kV Sub-stations under PSDF Scheme (PSDF support of Rs. ₹164.16 Cr) (Proposal No: 347)

It was apprized to the committee that JdVVNL has submitted a proposal for installation of Capacitor Bank for Agriculture-connections under PSDF. However, the PMG and the Appraisal Committee have recommended the capacitor projects to be treated as Business-as-Usual projects.

Cost estimate for Supply, Installation and Commissioning of NER-SLDCs for SCADA/EMS Upgrade

Sl. No.	Name of State	Project Cost	PSDF	PG Equity	Tariff yearly (per year for Seven years)
1	Assam	₹72.32 Cr	70%	30%	₹7.31 Cr
2	Tripura	₹69.17 Cr	70%	30%	₹7.00 Cr
3	Meghalaya	₹70.13 Cr	70%	30%	₹7.09 Cr
4	Manipur	₹68.50 Cr	70%	30%	₹6.93 Cr
5	Mizoram	₹66.08 Cr	70%	30%	₹6.68 Cr
6	Nagaland	₹68.86 Cr	70%	30%	₹6.96 Cr
7	Arunachal Pradesh	₹69.54 Cr	70%	30%	₹7.03 Cr

Annexure-II

POWERGRID CORPORATION OF INDIA LTD.

COST ENGINEERING DEPARTMENT

ABSTRACT COST ESTIMATE

NER SCADA Upgradation (LD-2026001)

(September 2025 Price Level)

Rs. in Crore

Sl. No.	Description	Amount
	Equipment Cost	
A	**Supply**	
i	SCADA System	278.80
	Sub- Total A	**278.80**
B	Installation, Testing and Commissioning	42.90
C	Inland Freight and Insurance (@ 8%)	22.30
D	**Taxes and Duties**	
i	GST @ 18% (on Supply cost & Services)	57.9064
	Total (A to D)	**401.91**
E	Incidental Expenditure during Construction (@ 10.75%)	43.21
F	Contingency (@ 3%)	12.06
	Total (A to G)	**457.18**
G	Interest During Construction (IDC)	27.43
	Grand Total	**484.61**
H	Maintenance charges for 1 year during warranty period and 6 years after warranty period incl. GST*	**45.94**
*	Annual Maintenance Charges is not part of the Project cost. However, the same shall be part of bidding documents and to be borne out of O&M expenditure	
I	IDC @6% considred for cost estimate purpose only	

Final SoP/ Guidelines for diversion of RPC approved Spare Transformers and Reactors to the constituents / state transmission utilities

A. Background:

1. In line with the recommendations of committee formed under the direction of CERC in Petition No. 38/TT/2017, requirement of regional spare transformers and reactors is being assessed by POWERGRID and agreed in RPCs based on the population of existing transformers and reactors in POWERGRID substations.

2. POWERGRID procures & maintains the RPC approved spare transformers and reactors as Regional Spares to meet any contingency in its existing Substations to ensure the reliability of the grid and to minimise downtime.

3. These spares are approved primarily for use of POWERGRID in its ISTS Substations. However, in some of the cases, requests are being received by POWERGRID from constituents/ state utility to divert Regional spare transformer(s)/ reactor(s) on temporary basis for their use considering certain exigencies, to maintain continuity of power supply and also considering the grid stability & reliability. Further, in past, in few of the cases regional spare transformers/ reactors have been diverted to constituents/ state utilities after necessary approval of concerned RPC.

B. General Condition:

4. As Regional spares are approved primarily for use of POWERGRID in its ISTS Substations, its diversion to regional state transmission utility may be considered under exceptional circumstances considering the gravity of requirement to the constituent and its beneficiaries on expeditious replenishment basis. Further, Inter Regional diversion of equipment to the constituent shall not be considered.

C. Utilities eligible for diversion: Following utilities (hereinafter referred as Borrower) shall be eligible for diversion of Regional spares as per the conditions specified;

i) **State Transmission Utility**: Diversions can be considered in case of failure of existing equipment in use of respective RPC constituents and diversion required in the interest of Grid security and reliability. It is clarified that under normal circumstances, a regional spare shall not be diverted for commissioning of new assets.

ii) **Other Utilities**: For utilities other than State Transmission Utilities, under normal circumstances, such diversions are not envisaged. However, if agreed by RPC forum, such diversions may be allowed only under the exceptional circumstances.

D. Modalities for diversion of Regional spare transformer(s)/ reactor(s) to State Transmission Utility:

5. In case of requirement of Regional spare transformer/ reactor by the Borrower i.e. State Transmission Utility, the requirement shall be put up for consent of the respective RPC forum.

6. In this regard, the concerned Borrower shall submit the following to the RPC for consideration:

   i) Contingency situations describing the requirement of spare equipment from POWERGRID.
   ii) Action plan along with timeline for return/ replenishment of the spare equipment to POWERGRID.

7. Decision of diversion along with associated terms and conditions for diversion will be based on the agreement reached in RPC Forum after considering the merit of the request. It is clarified that regional spare transformer/ reactor can be diverted only in case of restoration of failed equipment and generally not for commissioning of new equipment.

8. Upon approval in the RPC, the Spare transformer/ reactor shall be diverted to the Borrower only on usage/replenishment basis and the same shall not be sold to the Borrower under any circumstances.

E. Signing of agreement:

Upon approval in the RPC Forum & before diversion of Regional spare transformer/ reactor, an agreement shall be signed between POWERGRID and the Borrower. The agreement shall cover the terms and conditions for the diversion of equipment in line with this SOP and as discussed below broadly.

a) Time period:

The Borrower shall return the Spare transformer/ reactor within the timeframe agreed by the RPC which in all cases shall not exceed a maximum of 24 months from the date of diversion. The spare transformer/ reactor is to be lifted within 3 months of signing of agreement. Failing which the consent for diversion as agreed in the RPC shall be deemed to be withdrawn.

POWERGRID shall monitor the list of such diverted equipment and coordinate to ensure that the replenishment by the borrower is done as per agreed timeframe and keep the RPC forum informed.

b) Cost Implications:

The equipment shall be diverted on zero cost basis/ cost neutral basis to POWERGRID. On account of the diversion, POWERGRID shall remain revenue

neutral i.e. there shall be no change in CERC approved tariff or its sharing due to diversion of the concerned regional spare transformer/ reactor. The sharing of cost of the asset shall be as per Sharing Regulations. Tariff of the asset shall be borne by the requestor for the period of usage and charges of the asset shall be recovered bilaterally and adjusted back to pool." Tariff of the asset would be put up to borrower and RPC by POWERGRID in advance.

c) <u>Responsibility of Borrower:</u>

i) The Borrower shall be responsible for dismantling, to & fro transportation, transit insurance, statutory expenses, erection, testing & commissioning charges (including at POWERGRID station after return) etc., any other incidental expenditure associated with the diversion of equipment or any loss to POWERGRID on account of diversion and all such charges shall be borne by the Borrower.

ii) Borrower shall verify the condition of equipment at POWERGRID substation before taking the equipment on loan basis. After verification, the equipment shall be handed over to the Borrower.

iii) The Borrower shall be responsible for transportation/ erection/ commissioning/ operation & maintenance.

iv) The Borrower shall be responsible to maintain the equipment in healthy condition as per the standard maintenance practices.

v) The Borrower shall be responsible to ensure that the equipment is returned to POWERGRID in healthy condition as per the commitment/ action plan agreed prior to diversion.

vi) Any damage/failure of the equipment shall be the responsibility of the Borrower till the equipment is taken over by POWERGRID in healthy condition.

vii) In case of failure/ breakdown of equipment during transportation/ erection/ commissioning/ operation & maintenance or during any other activity, the Borrower shall return the equipment after repair/ refurbishment of the same rating as per the POWERGRID specification. Alternatively, new equipment matching with the POWERGRID specifications and from POWERGRID approved vendors shall be replenished. All cost for repair/ refurbishment/ replacement as applicable shall be borne by the Borrower.

viii) After returning of equipment, all pre-commissioning tests shall be jointly performed at POWERGRID station to ascertain healthiness. In case of any deviation, POWERGRID shall take up the repair of equipment and cost of the repair shall be borne by the Borrower.

d) <u>Return of equipment:</u>

In case of any exigency or if required in the interest of the Grid, POWERGRID reserves the right to demand the diverted Spare from the Borrower prior to the time period as agreed in the RPC after intimation to RPC. Once consented in RPC Forum, Borrower shall return the diverted spare to POWERGRID on immediate basis.

e) <u>Penalty clause:</u>

In the event of a delay in the return or replenishment of spare equipment beyond the agreed timeframe (which is a maximum of 24 months from the date of diversion), a penalty of 15% of the approved tariff for the diverted equipment will be imposed on the Borrower for the duration of the deployment. However, this penalty will not be applied if an extended return or replenishment period is approved by the Regional Power Committee (RPC), subject to maximum extension period of 12 months.

Annexure-3.6

FY 2023-24 (in Thousand Rs.)		FY 2024-25(in Thousand Rs.)		FY 2025-26(in Thousand Rs.)		Renarks
Members	**Amount Due**	**Members**	**Amount Due**	**Members**	**Amount Due**	
TPTL	752	APGCL	535	AEGCL	512	
TPGCL	752	TPTL	535	APGCL	512	
MSPCL	752	TPGCL	535	TPTL	512	
		MSPCL	535	TPGCL	512	
		MSPDCL	535	MSPCL	512	
				MSPDCL	512	
				NER-II TL(Indigrid)	1000	
				DoP, AP	-0.23	Additional Payment by DoP AP
				Mizorm	-100	Board Fund Payment done by Mizoram in Establishment fund
Total	**2256**	**Total**	**2675**	**Total**	**3971.77**	
				Total Amount Yet to be received:	**8902.77**	

GAPP & ASSOCIATES
Chartered Accountants

Head Office Address :
1st Floor, Above M/S Jain Electricals,
Fire Brigade, Shillong – 793003.
Phone : 7005150251 / 97744-86431
: 0364 - 3560399
E-mail: cagauravjain.shg@gmail.com

AUDITORS' REPORT

To
North Eastern Regional Power Committee (NERPC)
NERPC Complex, Dong Parmaw,
Lapalang, Shillong-793006
Meghalaya

We have audited the accompanying Balance Sheet of **North Eastern Regional Power Committee (NERPC) Board Fund: NERPC Complex :: Dong Parmaw Lapalang :: Shillong-793006 :: Meghalaya as on 30th June, 2025** and the Income and Expenditure Account and Receipts and Payments Account for the period from 01.04.2025 to 30.06.2025. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with Standards on Auditing issued by Institute of Chartered Accountants of India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

We report as follows:

(a) We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.

(b) The Balance Sheet referred to in this report is in agreement with the books of accounts subject to the following observations:

(i) The organisation did not uniformly comply with the statutory requirements of TDS under the Income Tax Act, 1961 as they failed to deduct tax from vendor payments which were liable for TDS deduction which is neither a statutory mandate nor any Exemption Certificate u/s 197 was forthcoming.

GAPP & ASSOCIATES SHILLONG CHARTERED ACCOUNTANTS

GAPP & ASSOCIATES
Chartered Accountants

Head Office Address :
1st Floor, Above M/S Jain Electricals,
Fire Brigade, Shillong – 793003.
Phone : 7005150251 / 97744-86431
: 0364 - 3560399
E-mail: cagauravjain.shg@gmail.com

(c) In our opinion, and to the best of our information and according to the explanations given to us, the said accounts, give a true and fair view in conformity with the accounting principles generally accepted in India.

(i) In the case of the Balance Sheet of the state of affairs of the organisation as on **30th June, 2025**.

(ii) In the case of the Income and Expenditure Account of the Excess of Income over Expenditure for the period from 01.04.2025 to 30.06.2025.

(iii) In the case of the Receipts and Payments Account of the receipts and payments for the period from 01.04.2025 to 30.06.2025.

UDIN : 25301907BMHXAB5302
For GAPP & Associates
Chartered Accountants
FRN: 327572E

GAPP & ASSOCIATES ★ SHILLONG ★ CHARTERED ACCOUNTANTS

(CA. GAURAV JAIN)
Partner
Membership No. 301907

Dated, Shillong
The 18th November, 2025

NERPC BOARD FUND

NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG - 793006

BALANCE SHEET AS AT 30th June, 2025

LIABILITIES	AMOUNT	ASSETS	AMOUNT
CAPITAL ACCOUNT		**CURRENT ASSETS**	
Opening Balance	1,27,31,802	Cash in Hand	
Add : Surplus	16,48,427	Cash at Bank with Axis Bank	1,43,80,229
Closing Balance	1,43,80,229	(A/c No : 915010025976605)	
TOTAL RUPEES	**1,43,80,229**	**TOTAL RUPEES**	**1,43,80,229**

In terms of our report of even date attached.

UDIN: 25301907BMHXAB5302
FOR GAPP & ASSOCIATES
Chartered Accountants
FRN: 327572E

GAPP & ASSOCIATES SHILLONG CHARTERED ACCOUNTANTS

GAURAV KUMAR JAIN
(Partner)
Membership No. 301907

Date: 18.11.2025
Place: Shillong

NERPC BOARD FUND
NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG - 793006
INCOME & EXPENDITURE ACCOUNT FOR THE PERIOD FROM 01.04.2025 to 30.06.2025

EXPENDITURE	AMOUNT	INCOME	AMOUNT
Expenses:		**Receipts:**	
Security Expenses	1,71,427	Contribution from Members	26,00,000
Telephone & Internet Expenses	8,260		
Office Expenses	4,22,227		
Refreshment Expenses	3,10,960		
Printing & Stationery	28,839		
Imprest Expenses:			
Fooding Expenses	2,390		
Printing & Stationery	4,050		
Miscellaneous Expenses	3,420		
Surplus	16,48,427		
TOTAL	**26,00,000**	**TOTAL**	**26,00,000**

In terms of our report of even date attached.

UDIN: 25301907BMHXAB5302
FOR GAPP & ASSOCIATES
Chartered Accountants
FRN: 327572E

GAPP & ASSOCIATES SHILLONG CHARTERED ACCOUNTANTS

GAURAV KUMAR JAIN
(Partner)
Membership No. 301907

Date: 18.11.2025
Place: Shillong

NERPC BOARD FUND

NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG-793006

RECEIPTS & PAYMENTS ACCOUNT FOR THE PERIOD FROM 01.04.2025 to 30.06.2025

RECEIPTS	AMOUNT	PAYMENTS	AMOUNT
Opening Balance:		**Expenses:**	
Cash at Bank with Axis Bank	1,27,31,802	Security Expenses	1,71,427
(A/c No : 915010025976605)		Telephone & Internet Expenses	8,260
		Office Expenses	4,22,227
Receipts:		Refreshment Expenses	3,10,960
Contribution from Members	26,00,000	Printing & Stationery	28,839
		Imprest Expenses:	
		Fooding Expenses	2,390
		Printing & Stationery	4,050
		Miscellaneous Expenses	3,420
		Closing Balance:	
		Cash at Bank with Axis Bank	1,43,80,229
		(A/c No : 915010025976605)	
TOTAL RUPEES	**1,53,31,802**	**TOTAL RUPEES**	**1,53,31,802**

In terms of our report on even date attached.

UDIN: 25301907BMHXAB5302
FOR GAPP & ASSOCIATES
Chartered Accountants
FRN: 327572E

GAPP & ASSOCIATES SHILLONG CHARTERED ACCOUNTANTS

GAURAV KUMAR JAIN
(Partner)
Membership No. 301907

Date: 18.11.2025
Place: Shillong

G A P P & ASSOCIATES
Chartered Accountants

Head Office Address :
1st Floor, Above M/S Jain Electricals,
Fire Brigade, Shillong – 793003.
Phone : 7005150251 / 97744-86431
: 0364 - 3560399
E-mail: cagauravjain.shg@gmail.com

AUDITORS' REPORT

To
North Eastern Regional Power Committee (NERPC)
NERPC Complex, Dong Parmaw,
Lapalang, Shillong-793006
Meghalaya

We have audited the accompanying Balance Sheet of **North Eastern Regional Power Committee (NERPC) Board Fund: NERPC Complex :: Dong Parmaw Lapalang :: Shillong - 793006 :: Meghalaya as on 30th September, 2025** and the Income and Expenditure Account and Receipts and Payments Account for the period from 01.07.2025 to 30.09.2025. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with Standards on Auditing issued by Institute of Chartered Accountants of India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

We report as follows:

(a) We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.

(b) The Balance Sheet referred to in this report is in agreement with the books of accounts subject to the following observations:

(i) Section 51 of the CGST Act 2017 provides for deduction of tax by the Government Agencies (Deductor) or any other person to be notified in this regard, from the payment made or credited to the supplier (Deductee) of taxable goods or services or both, where the total value of such supply under a contract, exceeds Rs.2,50,000/-(Rupees Two Lakh and Fifty Thousand). However, the organization has failed to deduct GST(TDS) on vendor payments exceeding Rs.2,50,000/-. The failure on the part of the organization to deduct TDS under

GAPP & ASSOCIATES SHILLONG CHARTERED ACCOUNTANTS

G A P P & ASSOCIATES
Chartered Accountants

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section 51 of the CGST Act, 2017 will attract penal action under section 51(4), 51(6) and 122(1) of the CGST Act,2017.

(ii) The organisation did not uniformly comply with the statutory requirements of TDS under the Income Tax Act, 1961 as they failed to deduct tax from vendor payments which were liable for TDS deduction which is neither a statutory mandate nor any Exemption Certificate u/s 197 was forthcoming.

(c) In our opinion, and to the best of our information and according to the explanations given to us, the said accounts, give a true and fair view in conformity with the accounting principles generally accepted in India.

(i) In the case of the Balance Sheet of the state of affairs of the organisation as on 30th September, 2025.

(ii) In the case of the Income and Expenditure Account of the Excess of Expenditure over Income for the period from 01.07.2025 to 30.09.2025.

(iii) In the case of the Receipts and Payments Account of the receipts and payments for the period from 01.07.2025 to 30.09.2025.

UDIN : 25301907BMHXAC2509
For GAPP & Associates
Chartered Accountants
FRN: 327573E

GAPP & ASSOCIATES ★ SHILLONG ★ CHARTERED ACCOUNTANTS

(CA. GAURAV JAIN)
Partner
Membership No. 301907

Dated, Shillong
The 18th November, 2025

NERPC BOARD FUND

NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG - 793006

BALANCE SHEET AS AT 30th September, 2025

LIABILITIES	AMOUNT	ASSETS	AMOUNT	AMOUNT
CAPITAL ACCOUNT		**FIXED ASSETS**		
Opening Balance	1,43,80,229	Motor Vehicle		
Less : Deficit	18,26,733	Per last account	-	
Closing Balance	1,25,53,496	(Add) Additions	33,13,727.00	33,13,727.00
		CURRENT ASSETS		
		Cash in Hand		-
		Cash at Bank with Axis Bank (A/c No : 915010025976605)		92,39,769
TOTAL RUPEES	**1,25,53,496**	**TOTAL RUPEES**		**1,25,53,496**

In terms of our report of even date attached.

UDIN: 25301907BMHXAC2509
FOR GAPP & ASSOCIATES
Chartered Accountants
FRN: 327572E

GAURAV KUMAR JAIN
(Partner)
Membership No. 301907

Date: 18.11.2025
Place: Shillong

NERPC BOARD FUND
NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG - 793006
INCOME & EXPENDITURE ACCOUNT FOR THE PERIOD FROM 01.07.2025 to 30.09.2025

EXPENDITURE	AMOUNT	INCOME	AMOUNT
Expenses:		**Receipts:**	
Security Expenses	2,57,394	Contribution from Members	21,00,000
Telephone & Internet Expenses	1,35,897	Deficit	18,26,733
Office Expenses	19,93,215		
Refreshment Expenses	4,40,683		
Printing & Stationery	38,080		
Rent Expenses	4,87,000		
Travelling Expenses	5,56,800		
Imprest Expenses:			
Fooding Expenses	8,964		
Printing & Stationery	6,700		
Miscellaneous Expenses	2,000		
TOTAL	**39,26,733**	**TOTAL**	**39,26,733**

In terms of our report of even date attached.

UDIN: 25301907BMHXAC2509
FOR GAPP & ASSOCIATES
Chartered Accountants
FRN: 327572E

GAPP & ASSOCIATES ★ SHILLONG ★ CHARTERED ACCOUNTANTS

GAURAV KUMAR JAIN
(Partner)
Membership No. 301907

Date: 18.11.2025
Place: Shillong

NERPC BOARD FUND

NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG-793006

RECEIPTS & PAYMENTS ACCOUNT FOR THE PERIOD FROM 01.07.2025 to 30.09.2025

RECEIPT	AMOUNT	PAYMENTS	AMOUNT
Opening Balance:		**Expenses:**	
Cash at Bank with Axis Bank	1,43,80,229	Security Expenses	2,57,394
(A/c No : 915010025976605)		Telephone & Internet Expenses	1,35,897
		Office Expenses	53,06,942
Receipts:		Refreshment Expenses	4,40,683
Contribution from Members	21,00,000	Printing & Stationery	38,080
		Rent Expenses	4,87,000
		Travelling Expenses	5,56,800
		Imprest Expenses:	
		Fooding Expenses	8,964
		Printing & Stationery	6,700
		Miscellaneous Expenses	2,000
		Closing Balance:	
		Cash at Bank with Axis Bank	92,39,769
		(A/c No : 915010025976605)	
TOTAL RUPEES	**1,64,80,229**	**TOTAL RUPEES**	**1,64,80,229**

In terms of our report on even date attached.

UDIN: 25301907BMHXAC2509

FOR GAPP & ASSOCIATES

Chartered Accountants

FRN: 327572E

GAPP & ASSOCIATES SHILLONG CHARTERED ACCOUNTANTS

GAURAV KUMAR JAIN

(Partner)

Membership No. 301907

Date: 18.11.2025

Place: Shillong

GAPP & ASSOCIATES
Chartered Accountants

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AUDITORS' REPORT

To
North Eastern Regional Power Committee (NERPC)
NERPC Complex, Dong Parmaw,
Lapalang, Shillong-793006
Meghalaya

We have audited the accompanying Balance Sheet of North Eastern Regional Power Committee (NERPC) Establishment Fund: NERPC Complex :: Dong Parmaw Lapalang :: Shillong-793006 :: Meghalaya as on 30th June, 2025 and the Income and Expenditure Account and Receipts and Payments Account for the period from 01.04.2025 to 30.06.2025. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with Standards on Auditing issued by Institute of Chartered Accountants of India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

We report as follows:

(a) We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.

(b) The Balance Sheet referred to in this report is in agreement with the books of accounts subject to the following observations:

(i) Section 51 of the CGST Act 2017 provides for deduction of tax by the Government Agencies (Deductor) or any other person to be notified in this regard, from the payment made or credited to the supplier (Deductee) of taxable goods or services or both, where the total value of such supply under a contract, exceeds Rs.2,50,000/-(Rupees Two Lakh and Fifty Thousand). However, the organization has failed to deduct GST(TDS) on vendor payments exceeding Rs.2,50,000/-. The failure on the part of the organization to deduct TDS under

GAPP & ASSOCIATES SHILLONG CHARTERED ACCOUNTANTS

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section 51 of the CGST Act, 2017 will attract penal action under section 51(4), 51(6) and 122(1) of the CGST Act,2017.

(ii) The organisation did not uniformly comply with the statutory requirements of TDS under the Income Tax Act, 1961 as they failed to deduct tax from vendor payments which were liable for TDS deduction which is neither a statutory mandate nor any Exemption Certificate u/s 197 was forthcoming.

(c) In our opinion, and to the best of our information and according to the explanations given to us, the said accounts, give a true and fair view in conformity with the accounting principles generally accepted in India.

(i) In the case of the Balance Sheet of the state of affairs of the organisation as on 30th June, 2025.

(ii) In the case of the Income and Expenditure Account of the Excess of Income over Expenditure for the period from 01.04.2025 to 30.06.2025.

(iii) In the case of the Receipts and Payments Account of the receipts and payments for the period from 01.04.2025 to 30.06.2025.

UDIN : 25301907BMHWYU6351
For GAPP & Associates
Chartered Accountants
FRN: 327572E

GAPP & ASSOCIATES ★ SHILLONG ★ CHARTERED ACCOUNTANTS

(CA. GAURAV JAIN)
Partner
Membership No. 301907

Dated, Shillong
The 01st November, 2025

NERPC SECRETARIAT ESTABLISHMENT FUND

NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG-793006

BALANCE SHEET AS ON 30TH JUNE 2025

EXPENDITURE	AMOUNT (Rs.)	INCOME	AMOUNT (Rs.)
CAPITAL		**CURRENT ASSETS**	
Opening Balance	1,67,95,805	Cash at Bank with SBI A/C No:00000042203027645	2,34,55,241
Add: Excess of Income over Expenditure	66,59,436		
Closing Balance	2,34,55,241		
TOTAL RUPEES	**2,34,55,241**	**TOTAL RUPEES**	**2,34,55,241**

In terms of our report on even date attached.

UDIN: 25301907BMHWYU6351
FOR GAPP & ASSOCIATES
Chartered Accountants
FRN: 327572E

Date: 01.11.2025
Place: Shillong

GAPP & ASSOCIATES SHILLONG CHARTERED ACCOUNTANTS

GAURAV KUMAR JAIN
(Partner)
Membership No. 301907

NERPC SECRETARIAT ESTABLISHMENT FUND

NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG-793006

RECEIPT & PAYMENT ACCOUNT FOR THE PERIOD FROM 1ST APRIL, 2025 TO 30TH JUNE 2025

RECEIPT	AMOUNT (Rs.)	PAYMENT	AMOUNT (Rs.)
Opening Balance:		**Expenses:**	
Cash in Hand	-	Office Expenses	29,18,206
Cash at Bank with SBI A/C No:00000042203027645	1,67,95,805	Travelling and conveyances	10,36,031
		Fuel and Lubricants	1,09,126
		Printing and Publication	1,917
Yearly Contribution from Members	1,08,22,176	Medical Expenses	97,460
		Closing Balance:	
		Cash in Hand	-
		Cash at Bank with SBI A/C No:00000042203027645	2,34,55,241
TOTAL RUPEES	**2,76,17,981**	**TOTAL RUPEES**	**2,76,17,981**

In terms of our report on even date attached.

UDIN: 25301907BMHWYU6351
FOR GAPP & ASSOCIATES
Chartered Accountants
FRN: 327572E

GAURAV KUMAR JAIN
(Partner)
Membership No. 301907

Date: 01.11.2025
Place: Shillong

NERPC SECRETARIAT ESTABLISHMENT FUND
NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG-793006
INCOME & EXPENDITURE FOR THE PERIOD FROM 1ST APRIL, 2025 TO 30TH JUNE 2025

EXPENDITURE	AMOUNT (Rs.)	INCOME	AMOUNT (Rs.)
Expenses:		Yearly Contribution from Members	1,08,22,176
Office Expenses	29,18,206		
Travelling and conveyances	10,36,031		
Fuel and Lubricants	1,09,126		
Printing and Publication	1,917		
Medical Expenses	97,460		
Surplus-Excess of Income over Expenditure	66,59,436		
TOTAL RUPEES	**1,08,22,176**	**TOTAL RUPEES**	**1,08,22,176**

In terms of our report on even date attached.

UDIN: 25301907BMHWYU6351
FOR GAPP & ASSOCIATES
Chartered Accountants
FRN: 327572E

Date: 01.11.2025
Place: Shillong

GAPP & ASSOCIATES SHILLONG CHARTERED ACCOUNTANTS

GAURAV KUMAR JAIN
(Partner)
Membership No. 301907

G A P P & ASSOCIATES
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AUDITORS' REPORT

To
North Eastern Regional Power Committee (NERPC)
NERPC Complex, Dong Parmaw,
Lapalang, Shillong-793006
Meghalaya

We have audited the accompanying Balance Sheet of North Eastern Regional Power Committee (NERPC) Establishment Fund: NERPC Complex :: Dong Parmaw Lapalang :: Shillong - 793006 :: Meghalaya as on 30th September, 2025 and the Income and Expenditure Account and Receipts and Payments Account for the period from 01.07.2025 to 30.09.2025. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with Standards on Auditing issued by Institute of Chartered Accountants of India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

We report as follows:

(a) We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.

(b) The Balance Sheet referred to in this report is in agreement with the books of accounts subject to the following observations:

(i) Section 51 of the CGST Act 2017 provides for deduction of tax by the Government Agencies (Deductor) or any other person to be notified in this regard, from the payment made or credited to the supplier (Deductee) of taxable goods or services or both, where the total value of such supply under a contract, exceeds Rs.2,50,000/-(Rupees Two Lakh and Fifty Thousand). However, the organization has failed to deduct GST(TDS) on vendor payments exceeding Rs.2,50,000/-. The failure on the part of the organization to deduct TDS under

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section 51 of the CGST Act, 2017 will attract penal action under section 51(4), 51(6) and 122(1) of the CGST Act,2017.

(ii) The organisation did not uniformly comply with the statutory requirements of TDS under the Income Tax Act, 1961 as they failed to deduct tax from vendor payments which were liable for TDS deduction which is neither a statutory mandate nor any Exemption Certificate u/s 197 was forthcoming.

(c) In our opinion, and to the best of our information and according to the explanations given to us, the said accounts, give a true and fair view in conformity with the accounting principles generally accepted in India.

(i) In the case of the Balance Sheet of the state of affairs of the organisation as on 30th September, 2025.

(ii) In the case of the Income and Expenditure Account of the Excess of Expenditure over Income for the period from 01.07.2025 to 30.09.2025.

(iii) In the case of the Receipts and Payments Account of the receipts and payments for the period from 01.07.2025 to 30.09.2025.

UDIN : 25301907BMHWYV7735
For GAPP & Associates
Chartered Accountants
FRN: 327572E

GAPP & ASSOCIATES * SHILLONG * CHARTERED ACCOUNTANTS

(CA. GAURAV JAIN)
Partner
Membership No. 301907

Dated, Shillong
The 01st November, 2025

NERPC SECRETARIAT ESTABLISHMENT FUND
NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG-793006
BALANCE SHEET AS ON 30TH SEPTEMBER 2025

EXPENDITURE	AMOUNT (Rs.)	INCOME	AMOUNT (Rs.)
CAPITAL		**CURRENT ASSETS**	
Opening Balance	2,34,55,241	Cash at Bank with SBI A/C No:00000042203027645	2,26,82,028
Less: Excess of Expenditure over Income	7,73,213		
Closing Balance	2,26,82,028		
TOTAL RUPEES	**2,26,82,028**	**TOTAL RUPEES**	**2,26,82,028**

In terms of our report on even date attached.

UDIN: 25301907BMHWYV7735
FOR GAPP & ASSOCIATES
Chartered Accountants
FRN: 327572E

Date: 01.11.2025
Place: Shillong

GAPP & ASSOCIATES ★ SHILLONG ★ CHARTERED ACCOUNTANTS

GAURAV KUMAR JAIN
(Partner)
Membership No. 301907

NERPC SECRETARIAT ESTABLISHMENT FUND

NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG-793006

RECEIPT & PAYMENT ACCOUNT FOR THE PERIOD FROM 1ST JULY, 2025 TO 30TH SEPTEMBER 2025

RECEIPT	AMOUNT (Rs.)	PAYMENT	AMOUNT (Rs.)
Opening Balance:		**Expenses:**	
Cash in Hand	-	Office Expenses	70,52,602
Cash at Bank with SBI A/C No:00000042203027645	2,34,55,241	Travelling and conveyances	11,00,681
		Minor work	9,326
		Fuel and Lubricants	93,326
Yearly Contribution from Members	77,12,838	Printing and Publication	50,400
		Advertisement and Publicity	6,674
		Professional Services	1,47,891
		Medical Expenses	25,151
		Closing Balance	
		Cash in Hand	-
		Cash at Bank with SBI A/C No:00000042203027645	2,26,82,028
TOTAL RUPEES	**3,11,68,079**	**TOTAL RUPEES**	**3,11,68,079**

In terms of our report on even date attached.

UDIN: 25301907BMHWYV7735
FOR GAPP & ASSOCIATES
Chartered Accountants
FRN: 327572E

Date: 01.11.2025
Place: Shillong

GAURAV KUMAR JAIN
(Partner)
Membership No. 301907

NERPC SECRETARIAT ESTABLISHMENT FUND

NERPC COMPLEX :: DONG PARMAW :: LAPALANG :: SHILLONG-793006

INCOME & EXPENDITURE FOR THE PERIOD FROM 1ST JULY, 2025 TO 30TH SEPTEMBER 2025

EXPENDITURE	AMOUNT (Rs.)	INCOME	AMOUNT (Rs.)
Expenses:		Yearly Contribution from Members	77,12,838
Office Expenses	70,52,602	Deficit-Excess of Expenditure over Income	7,73,213
Travelling and conveyances	11,00,681		
Minor work	9,326		
Fuel and Lubricants	93,326		
Printing and Publication	50,400		
Advertisement and Publicity	6,674		
Professional Services	1,47,891		
Medical Expenses	25,151		
TOTAL RUPEES	**84,86,051**	**TOTAL RUPEES**	**84,86,051**

In terms of our report on even date attached.

UDIN: 25301907BMHWYV7735
FOR GAPP & ASSOCIATES
Chartered Accountants
FRN: 327572E

Date: 01.11.2025
Place: Shillong

GAURAV KUMAR JAIN
(Partner)
Membership No. 301907

Annexure 5.2

As deliberated in Clause B.28 of 189th OCC Forum of NERPC dated 19.04.2022, necessary details has to be furnished to NERLDC prior to FTC clearance of state owned elements. However, it is observed that the following elements were charged without furnishing the required details to NERLDC, thus not complying with the directions of the OCC Forum:

I. List of intra-state elements charged as per the CEA Monthly Progress Report on Central Funded Schemes (July 2025) under NERSIP					**Commissioning Status**		
Sl. No.	**Type of element**	**Name of Element**	**MVA**	**Ckt km**	**Month**	**Year**	**FTC Application submission Status by Tripura**
1	Line	132 kV Rabindra Nagar - Belonia D/C		123.50	January	2025	The FTC application was submitted on 16-12-2025. *Data validation, SAT Report, VOIP etails, Protection setting approval, Manually triggered DR/EL and Instrument transformer accuracy ≥ meter accuracy are yet to be pending*
2	Line	132 kV Rabindra Nagar - Rokhia D/C		44.32	September	2022	
3	ICT	2 x 50 MVA ICT I & II at 132/33 kV at Rabindra Nagar sub-station	120		January	2022	
4	ICT	2 x 50 MVA ICT I & II at 132/33 kV at Manu sub-station	120		July	2025	The FTC application was submitted on 16-12-2025. *Protection setting approval from NERPC, Relay setting file (.csv & .pdf), Manually triggered DR file, Fulfillment of OTDR observations and Ambasa CT 0.5s, Requested to provide meter spec. If meter 0.2/0.2s, replace CT or shift meter to Manu (CT 0.2s) are yet to be pending*
5	Line	132 kV Manu - Ambassa line		26.36	September	2024	
6	Line	132 kV Udaipur - Bagafa D/C line		63.81	March	2022	Partially applied on 31-01-2026. *Requested to submit the complete documents after compiling the substation-wise associated elements, via email dated 03-02-2026*
7	ICT	2 x 50 MVA ICT I & II at 132/33 kV Belonia sub-station	120		June	2025	The FTC application was submitted on 18-12-2025. *Data validation, SAT report, VoIP installation details, Protection setting approval, Relay setting file and manually triggered DR/EL file are yet to be pending.*
8	Line	132 kV Surjyamaninagar-Gokulnagar Line *(132 kV Surjyamaninagar-Rokhia LILO at Gokulnagar)*		7.00	October	2025	**Not yet applied**
9	Line	132 kV Bagafa - Belonia D/C line		25.82	January	2023	
10	Line	132kV Interconnecting portion of 132kV Sabroom - Satchand at Satchand end		2.05	December	2024	
11	Line	132 kV Bagafa - Satchand line S/c on D/c		29.64	October	2024	
12	Line	132 kV Belonia - Sabroom D/C line		77.63	July	2024	
13	Line	132kV Interconnecting portion of 132kV Sabroom - Satchand at Sabroom end		1.31	January	2025	
14	Line	132 kV Kailasahar - Dharmanagar D/C		43.55	October	2024	
15	Line	LILO of Agartala (79 Tilla) - Dhalabil (Khowai) 132 kV S/C line at Mohanpur		2.44	August	2021	
16	Line	132 kV Udaipur- Amarpur D/C		30.59	September	2024	
17	Line	132kV Interconnection portion from Manu (Old) S/s to Manu (New) S/s for charging of 132kV Manu-Chawmanu TL		3.20	September	2024	
18	ICT	2 x 31.5 MVA ICT I & II at 132/33 kV at Satchand sub-station	83		March	2025	
19	ICT	2 x 31.5 MVA ICT I & II at 132/33 kV Sabroom sub-station	83		February	2025	
20	ICT	2 x 50 MVA ICT I & II at 132/33 kV Bagafa sub-station	120		November	2023	
21	ICT	2 x 31.5 MVA ICT I & II at 132/33 kV Amarpur sub-station	83		July	2024	
22	ICT	2 x 31.5 MVA ICT I & II at 132/33 kV at Mohonpur (Hezamara) sub-station	83		August	2021	
23	ICT	Replacement of existing 2 x 7.5 MVA, 132/33 kV transformer by 2x50 MVA, 132/33 kV transformer at Kailasahar (#)	120		Partially Charged		
24		Augmentation of Udaipur sub-station	120		January	2021	
25		132/33/11 kV Rokhia (Extn) Substation	0		January	2022	
26		Augmentation of Ambassa sub-station by addition of 1 x 31.5, 132/33 kV transformer, 2 x 10 MVA, 33/11 kV transformer & 2 x 250 KVA 11/0.4 kV transformer including extension of control room	51.5		December	2022	
27		Augmentation of Dhalabil (Khowai) sub-station by addition of 2 x 31.5, 132/33kV transformer, 2 x 10 MVA, 33/11 kV transformer & 2 x 250 KVA 11/0.4 kV transformer including extension of control room	83		January	2025	
28		132/33/11 kV Dharmanagar (Extn.) Substation			February	2025	
29		Augmentation of Jirania sub-station	83		June	2025	

II. List of ISTS Elements charged without FTC Approval from NERLDC

As per the procedure for Charging/ Energization and Integration of Altered (including modified/replaced/upgraded) Power System Elements, all 132 kV and above transmission elements emanating from ISGS/ISTS has to obtain FTC approval from NERLDC prior to energisation. However, the following elements were charged without obtaining the necessary approval from NERLDC.

Sl. No.	**Type of element**	**Name of Element**	**MVA**	**Ckt km**	**Month**	**Year**	**FTC Application Applied Status**
1	Line	132 kV SM Nagar (ISTS) - SM Nagar (TSECL) line after reconductoring with HTLS			October	2025	The line is charged on 18-10-2025, without NERLDC FTC approval and also the application is yet to be submitted.

III. FTC Application applied (ISTS Elements) for NERLDC FTC approval

Sl. No.	Type of element	Name of Element	MVA	Ckt km	Month	Year	FTC Application Applied Status
1	Line	132kV PK Bari (ISTS) - Manu line (LILO of 132kV PK Bari (ISTS) - Ambassa line at 132 kV Manu)		10.60	September	2024	FTC Application applied for 132kV PK Bari ISTS - Ambassa (LILO at Manu) on 21-11-2025. *Connectivity Agreement, PTCC Clearance, Relay settings approval from RPC, Compliance with RLDC observations on the OTDR report and SEM data of the meter at Manu end are yet to be submitted.*
2	Line	132 kV SMNagar ISTS - Budhjunagar line after reconductoring with HTLS		17.925			FTC Application applied on 06-11-2025. *Relay settings approval from RPC and SIO clearance are yet to be complied.* ***Note:*** *The reconductoring work partially completed and currently the line is in charged condition. FTC approval to be obtained prior to the charging of line after completion of reconductoring works.*
3	Line	132 kV PK Bari – Kumarghat after reconductoring with HTLS		1.580			FTC Application applied on 07-12-2025. *Relay settings approval from RPC yet to be submitted* ***Note:*** *The reconductoring work partially completed and currently the line is in charged condition. FTC approval to be obtained prior to the charging of line after completion of reconductoring works.*

IV. T-connection of 132 kV PK Bari (ISTS) Ambassa line at Manu SS

As informed by SLDC Tripura the removal of the T-connection at Manu SS was done on 03-12-2025.

V. List of ISTS Element: FTC approval obtained after completion of works

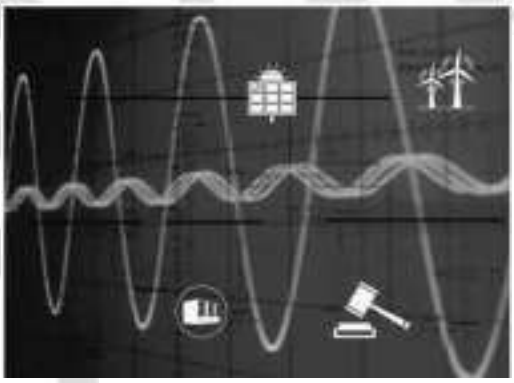
Sl. No.	Type of element	Name of Element	MVA	Ckt km	Month	Year	FTC Application Applied Status
1	Line	132 kV PK Bari - PK Bari (ISTS) after reconductoring HTLS		10.179	November	2025	As per NERLDC FTC provisional approval, the line has been charged after FTC approval on 28-11-2025.

Annexure-6.3

Grid Controller of India Ltd.
National Load Despatch Centre (NLDC)

Draft

GUIDELINES FOR HARMONICS MEASUREMENTS AT TRANSMISSION LEVEL



Revision-R0

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GUIDELINES FOR HARMONICS MEASUREMENTS AT TRANSMISSION LEVEL

1. Introduction

A. Standards for power quality as stipulated in various CEA standards are quoted below:

1. For generating station:

Part II B. of Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2013 & 2019 mandates wind generating stations, generating stations using inverters, wind - solar photo voltaic hybrid systems and energy storage systems to restrict harmonic, direct current and flicker injection as per following clauses:

"B1. Requirements with respect to Harmonics, Direct Current (DC) Injection and Flicker

1) Harmonic current injections from a generating station shall not exceed the limits specified in Institute of Electrical and Electronics Engineers (IEEE) Standard 519*.
2) The Generating station shall not inject DC current greater than 0.5 % of the full rated output at the interconnection point.
3) The generating station shall not introduce flicker beyond the limits specified in IEC 61000*. Provided that the standards for flicker will come into effect from 1st April 2014."

2. For Bulk load and Discom:

Part IV of Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2013 & 2019 mandates for Bulk consumer and distribution system:

"3) Voltage and Current Harmonics. - (i) The limits of voltage harmonics by the distribution licensee in its electricity system, the limits of injection of current harmonics by bulk consumers, point of harmonic measurement, i.e., point of common coupling, method of harmonic measurement and other related matters, shall be in accordance with the IEEE 519-2014 standards, as amended from time to time;"

3. For Transmission licensees:

3(2) of CEA (Grid Standards) Regulations, 2010 specified that:

"the transmission licensee shall ensure that the voltage wave-form quality is maintained at all points in the Grid by observing the limits given in Table below-

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S.No.	System Voltage (kV rms)	Total Harmonic Distortion (%)	Individual Harmonic of any particular Frequency (%)
1	765	1.5	1.0
2	400	2.0	1.5
3	220	2.5	2.0
4	33 to 132	5.0	3.0

Provided that the standard on Harmonic Distortion shall come into force concurrently with clause 3 of Part IV of the Schedule to the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007.

Explanation: For the purpose of this regulation, Total Harmonic Distortion (VTHD) expressed as percentage, shall be calculated as under-

$$V_{THD} = \sqrt{\sum_{n=2}^{n=40} \frac{V_n^2}{V_1^2}} X 100$$

'1' refers to fundamental frequency (50 Hz)

'n' refers to the harmonic of nth order (corresponding frequency is 50 x n Hz)."

4. IEEE 519 current harmonics limits:

Further, it is mentioned in IEEE-519-2022 (IEEE Standard for Harmonic Control in Electric Power Systems) standard that:

"The current distortion limits shall apply to a user's PCC primarily with harmonic producing loads. For installations with primarily inverter-based resources, users are directed to other applicable standards such as IEEE Std 1547-2018 or IEEE Std 2800-2022. For installations where there is a mix of both loads and inverter based resources, the decision tree in Figure 1 shows when IEEE Std 519 limits shall apply at the installation PCC."

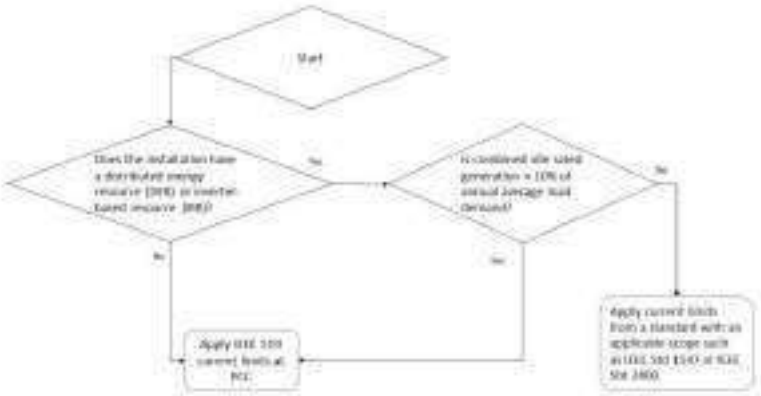

Figure 1 — Decision tree for applying current distortion limits at PCC

For HVDC installation the individual harmonic limits given in IEEE 519 may be increased by a multiplying factor when actions are taken by a user to reduce lower-order harmonics as per the multiplier mentioned in same standard.

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B. **Mandate for harmonics measurements as stipulated in various CEA standards are quoted below:**

1. For generating stations

Part II B. of Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2013 & 2019 mandates wind generating stations, generating stations using inverters, wind - solar photo voltaic hybrid systems and energy storage systems to carry out measurement of Harmonics, Direct Current (DC) Injection and Flicker measurement as below:

"4) Measurement of harmonic content, DC injection and flicker shall be done at least once in a year in presence of the parties concerned and the indicative date for the same shall be mentioned in the connection agreement.

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

2. For Bulk Load and DISCOM

Part IV of Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2013 & 2019 mandates for Bulk consumer and distribution system to measure harmonic as per following clauses:

"3 (ii) Measuring and metering of harmonics shall be a continuous process with meters complying with provisions of IEC 61000-4-30 Class A.

(iii) The data measured and metered as mentioned in sub-paragraph (ii) with regard to the harmonics, shall be available with distribution licensee and it shall also be shared with the consumer periodically.

(iv) The bulk consumer shall install power quality meter and share the recorded data thereof with the distribution licensee with such periodicity as may be specified by the appropriate Electricity Regulatory Commission: Provided that the existing bulk consumer shall comply with this provision within twelve months from the date of commencement of the Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2018.

(v) In addition to harmonics, periodic measurement of other power quality parameters such as voltage sag, swell, flicker, disruptions shall be done as per relevant International Electrotechnical Commission Standards by the distribution licensee and the reports thereof shall be shared with the consumer.

(vi) The distribution licensee shall install power quality meters in a phased manner within three years from the date of commencement of the Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2018 covering at least 33% of the 33 kV substations each year."

3. For transmission licensees

Further as per the Minutes of the Meeting taken by the Chairperson, CEA on 01.07.2024, the following directions were issued regarding harmonic measurement and the installation of harmonic filters by Renewable Energy (RE)

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generators:

"The measurement of harmonics shall be done at all ISTS substations, and the data may be shared with RE plants connected at these ISTS substations for better accuracy of simulation studies to assess the requirement of harmonic filters. CTUIL shall include the requirement for installation of PQ meters in the bidding documents for all upcoming ISTS substations. Further, for the existing ISTS substations, PQ meters shall be installed within a period of 6 to 8 months, and the ISTS substations currently under erection and commissioning shall also ensure installation of PQ meters at the time of commissioning."

C. Mandate for mathematical modelling and studies for power quality

6(6) of Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 mentions that: "For inter-connection studies the requester shall make a request for connection in the planning stage to the Appropriate Transmission Utility. In case a requester is seeking inter-connection to a distribution system such a request will be made to the distribution licensee. The Appropriate Transmission Utility or distribution licensee shall carry out the inter connection study to determine the point of inter-connection, required inter-connection facilities and modifications required on the existing grids, if any, to accommodate the interconnection. The study may also address the transmission system capability, transient stability, voltage stability, losses, voltage regulation, harmonics, voltage flicker, electromagnetic transients, machine dynamics, ferro resonance, metering requirements, protective relaying, sub-station grounding and fault duties, as the case may be. Provided that in order to carry out the said study, the requester shall present the mathematical model of the equipment in accordance with the requirements as stipulated by the Appropriate Transmission Utility or distribution licensee, as the case may be"

With a view to ensuring uniform interpretation of the applicable national regulations and their alignment with relevant international standards, the following detailed guidelines have been prepared for reference. In the event of any inconsistency, the provisions of the CEA Regulations shall prevail.

2. Scope & Applicability

These guidelines apply to all Wind generating stations and generating stations using inverters, wind - solar photo voltaic hybrid systems and energy storage systems, transmission licensees i.e owner of ISTS/InSTS transmission substation (220 kV (132 kV for NER) and above) and Bulk consumer.

3. Guidelines:

3.1. Measurement Locations

A. Transmission substation

Owners of following transmission substations at 132 kV and above shall install P-Q meter on the highest voltage level bus of that substation where following are connected directly:

- 50 MW or more (aggregated capacity) Wind generating stations and generating stations using inverters, wind - solar photo voltaic hybrid systems and energy storage systems
- any HVDC or FACTS device
- Bulk consumer

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- Traction load

At these transmission substations continuous measurement of voltage harmonic with respect to bus voltage to be done. with standard specification as mentioned in section 4 and measure voltage harmonics on continuous basis.

B. Inverter interfaced Load or generation stations

Developer of wind generating stations and generating stations using inverters, wind - solar photo voltaic hybrid systems and energy storage systems or bulk load shall install PQ meter with standard specification as mentioned in section 4 and measure both voltage and current harmonics on continuous basis. Owner of such asset shall install the P-Q meter at their own substation on the lines which are connecting the plant to the point of inter connection in the grid.

3.2 Timelines for installations of power quality meters

1. Wind generating stations, generating stations using inverters, wind - solar photo voltaic hybrid systems and energy storage systems to carry out measurement of Harmonics, Direct Current (DC) Injection and Flicker measurement on annual basis as mandated in the Central Electricity Authority (Technical Standards for Connectivity to the Grid).
2. Power quality meter shall be installed (before COD) for continuous monitoring of harmonics in new transmission/Inverter interfaced Load or generation stations commissioned post 01st April 2027.
3. For already commissioned transmission substations, a plan for phase-wise installation of power quality meters for continuous monitoring at selected transmission substations to be finalized in respective RPCs. Installation to be completed by 31st Mar 2030. In the interim period, a schedule for periodic measurement (through accredited agency) to be finalized in RPC.

3.3 Parameters to be measured

The following minimum parameters shall be measured and recorded as per IEEE 519 latest amendment:

Quantity	Total Harmonic Distortion	Individual Harmonic Distortion	Flickers
Voltage	1. Daily 99th percentile very short time (3 s)	1. Daily 99th percentile very short time (3 s)	1.Weekly Short-term Flicker (10 min) (Pst) 95th & 99th percentile.
	2. Weekly 95th percentile short time (10 min)	2. Weekly 95th percentile short time (10 min)	2. Weekly Long-term Flicker (2-hour) (Plt) 95th and 99th percentile
Current	1. Daily 99th percentile very short time (3 s)	1. Daily 99th percentile very short time (3 s)	1.Weekly Short-term Flicker (10 min) (Pst) 95th and 99th

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			percentile.
	2. Weekly 99th percentile short time (10 min)	2. Weekly 99th percentile short time (10 min)	2. Weekly Long-term Flicker(2-hour) (Plt) 95th and 99th percentile
	3. Weekly 95th percentile short time (10 min)	3. Weekly 95th percentile short time (10 min)	
DC Component in Current at rated current			

The format for submission of Power Quality Test Report is attached as Annexure. The recommended limits are as per relevant version of standards IEEE 519 -2022, IEC 61000-3-7: 2008-02, IEEE 1543-2022, IEEE 2800-2022, IEC 614000, CEA Technical standards and amendment thereof.

Base quantities for calculation of harmonic distortion will be determined as per IEEE 519 as amended from time to time. For clarity Base value of current of different feeders for calculation of distortion are listed below:

1. For feeders where RE plants are connected- Rated Current of Installed RE plants on the AC side as per installed capacity (as per IEEE 2800 and amendment thereof)-.
2. For HVDC/FACTS connected feeders- Rated Current of the HVDC/FACTS (as per IEEE 519 and amendment thereof)
3. Feeders where Bulk load are Connected-Rated load current of complete installed load (as per IEEE 519 and amendment thereof).
4. Feeders where Traction loads are connected- maximum demand load current under normal load operating conditions as per last one year data.

3.4 Period and Duration of Measurement

Measurement shall be carried out continuously. In case of breakdown of measurement device, the same shall be reported in annual report.

Till the time continuous measurement equipment are installed, Measurement shall be done once in every financial year. Once during peak RE generation season. Measurement shall be done at least for 7 days. Very short and short time harmonic values should be accumulated over periods of one day and one week respectively in line with IEEE Standard 519-2022 and amendment thereof. Other than this, RPC/RLDC/SLDC may advise for additional measurement as and when required.

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3.5 Methodology

Transmission substation owner shall engage a third-party testing agency which NABL/IEC accredited and their report shall be submitted. The measurement methodology shall follow latest amendment of IEC 61000-4-7 Class I and IEC 61000-4-30 Class A and Measurement window width, the statistical methodology for measuring harmonic and inter harmonic values in this requirement shall follow latest amendment of IEEE Std 519 in line with CEA regulations. Data aggregation shall utilize the 'Flagging' concept as per latest amendment of IEC 61000-4-30. Harmonic values recorded during time intervals flagged for voltage dips, swells, or interruptions shall be excluded from the statistical analysis (95th/99th percentile calculations) to prevent fault events from skewing steady-state harmonic compliance results (CIGRE TB 596 Reference: Chapter 2, Section 2.2.1)

3.6 Notice & Necessary parties

Only During the interim period till meters are installed, measurement of harmonic content, DC injection and flicker shall be done at least once in a year in the presence of the parties concerned if desired by the parties.

a) Measurement of harmonic content, DC injection and flicker shall be done at least once in a year in the presence of the parties concerned if desired by the parties.

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

3.7. Retention and Submission of Data & Submission of Reports

As per IEEE 2800 latest amendment:

Provision data type	Recording rate	Retention
Power quality—Very short-term harmonics (COMTRADE or PQDIF* format)	3 s	10 Days
Power quality—short-term harmonics (COMTRADE or PQDIF* format)	10 min	90 Days
Power quality—long-term harmonics (COMTRADE or PQDIF* format)	95 weekly percentile (per IEEE Std 519)	1 Year

*PQDIF-Power Quality Data Interchange Format.

Report Format:

a) The following graphs to be included in the report:

- Voltage trend (High voltage side equivalent value based on the point of measurement with appropriate scaling of PT ratio)
- Current trend (High voltage side equivalent value based on the point of measurement with

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appropriate scaling of CT ratio)

- Power trend (High voltage side equivalent value based on the point of measurement as above)
- Voltage THD and individual harmonic order (both 95th and 99th percentile) trend in line with IEEE 519 and amendment thereof
- TDD and individual harmonic order (both 95th and 99th percentile) trend in line with IEEE 519 and amendment thereof
- DC injection trend
- Flicker trend
- Individual harmonic power flow for violating harmonic orders as per 61000-4-7 latest edition.

b) Raw file .csv and raw meter file used for High voltage side measurements.

c) software details to view the raw file.

d) Sample calculation of 99th percentile value and 95th percentile value for voltage and current harmonics in excel.

e) Scale factor to scale the values to rated HV side voltage and current.

f) CT details along with photograph, used for testing

g) Sample calculation of TDD value (As per IEEE Std 519-2022 and amendment thereof).

h) Voltage, current, power (active and apparent) and power factor summary (min, max and avg) in day wise at point of measurement with base of respective HV side as the case may be, requested to use the scale factor value to convert the measured value to actual HV side equivalent value.

i) Analysis of Harmonics distortion during different part of the day, showing current trend and current THD trend

4. Instrumentation Requirements

Instruments used must comply with the specifications of IEC 61000-4-7 and IEC 61000-4-30 (as per latest amendment of these standards at the time of installation or periodic measurement), Class A. For Class A instruments, measurements are required to be made at least up to the 50th order. PQ meters should have auto report generation facility of daily and weekly reports of Harmonics/Flicker and DC currents as per IEEE519/IEC61000(latest amendment), so that it can be quickly submitted to SLDC/RLDC/RPC/CTUIL/STU/RE developer. All Power Quality monitoring devices must be time-synchronized via GPS to ensure a timestamp accuracy of better than 1 ms, enabling correlation of events between different nodes in the grid.

5. Data sharing

In addition to annual measurement, if distribution licensee or transmission licensee or the generating company or appropriate LDC or RPC, as the case may be, desires power quality report from the entities connected to its substation, the entity shall share the report.

Power quality report may be required by entities for filter design during connectivity stage. Transmission licensees of envisaged point of interconnection substations to share the power quality report on request. If RLDC/SLDC/RPC/CTUIL, desires power quality report from the transmission licensees, transmission licensees shall share the report.

6. Review/Update of this document

The above document would be reviewed by NPC/CEA periodically and update them in light of new standards/ technologies / on need basis/ based on experience.

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Annexure Power Quality Test Report Format

Power quality measurement report to be submitted in the following format.

Test Report Number:				
1.	Name and address of Transmission substation : Reference: - Service request form number: Date of receipt of EUT:			
2.	Location of testing :			
3.	Testing Detail: - Date of issue: Date of testing:			
4.	Duration of testing:			
5.	Description of Measurement: -			
	Measurement Point (PCC):			
6.	Environmental conditions of measurements:			
	Temperature:			
	Relative humidity:			
7.	Witnessed by :			
8.	Description of Power Quality Analyzer used for testing:			
Power Quality Analyzer		Calibration valid up to	Calibration Details	Parameters
Power Quality & Energy Analyzer Make: XXXXX Model: XXXX Sr. No.- XXXXXX EI No.: - XXXX		DD-MM-YYYY		Voltage Harmonic, Current Harmonic, Flicker, DC Current Injection
9.	Measurement Procedure			

In addition to above, Measurement standard followed, measurement instrument connection details may also be included.

10. Electrical: Power Supplies & Stabilizers

10.1 Measurement

A. For Voltage Circuit PQ Parameter Measurement

1. **Daily Total Harmonic Distortion in Voltage circuit (THD) for Very short**

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time (3second) values 99th percentile:

Day	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remarks
1					
2					
3					
4					
5					
6					
7					

2. Weekly Total Harmonic Distortion in Voltage circuit (THD) for short time (10minute) values 95th percentile:

Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remarks

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3. **Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th percentile**

Day 1

3.Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
6					7					
8					9					
10					11					
12					13					
14					15					
16					17					
18					19					
20					21					
22					23					
24					25					
26					27					
28					29					
30					31					
32					33					
34					35					
36					37					
38					39					
40					41					
42					43					
44					45					
46					47					
48					49					
50										

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3. **Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th percentile**

Day 2

3.Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
6					7					
8					9					
10					11					
12					13					
14					15					
16					17					
18					19					
20					21					
22					23					
24					25					
26					27					
28					29					
30					31					
32					33					
34					35					
36					37					
38					39					
40					41					
42					43					
44					45					
46					47					
48					49					
50										

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3. **Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th percentile**

Day 3

3.Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
6					7					
8					9					
10					11					
12					13					
14					15					
16					17					
18					19					
20					21					
22					23					
24					25					
26					27					
28					29					
30					31					
32					33					
34					35					
36					37					
38					39					
40					41					
42					43					
44					45					
46					47					
48					49					
50										

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3. **Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th percentile**

Day 4

3.Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
6					7					
8					9					
10					11					
12					13					
14					15					
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48					49					
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3. **Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th percentile**

Day 5

3.Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
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14					15					
16					17					
18					19					
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30					31					
32					33					
34					35					
36					37					
38					39					
40					41					
42					43					
44					45					
46					47					
48					49					
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3. **Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th percentile**

Day 6

3.Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
6					7					
8					9					
10					11					
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16					17					
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26					27					
28					29					
30					31					
32					33					
34					35					
36					37					
38					39					
40					41					
42					43					
44					45					
46					47					
48					49					
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3. **Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th percentile**

Day 7

3.Individual Voltage Harmonic distortion measurement for very short time (3second) values 99th										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
6					7					
8					9					
10					11					
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14					15					
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44					45					
46					47					
48					49					
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4. **Weekly Individual Voltage Harmonic distortion measurement for short time (10 Minutes) values 95th percentile**

4.Individual Voltage Harmonic distortion measurement for short time (10 Minutes) values 95th										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
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12					13					
14					15					
16					17					
18					19					
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32					33					
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Flicker Measurement

1. 1. Weekly value of Short term Flicker (Pst) measurement values 95th percentile:

Recommended limit as per Standard IEEE 1453-2022 & IEC 61000-4-15 IEC 61000-3-7 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remarks

2. Long term Flicker (Plt) measurement values 95th percentile:

Recommended limit as per Standard IEEE 1453-2022 & IEC 61000-4-15 IEC 61000-3-7 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remarks

3. Short term Flicker (Pst) measurement values 99th percentile:

Recommended limit as per Standard IEEE 1453-2022 & IEC 61000-4-15 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remarks

4. Long term Flicker (Plt) measurement values 99th percentile:

Recommended limit as per Standard IEEE 1453-2022 & IEC 61000-4-15 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remarks

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B. For Current Circuit PQ Parameter Measurement

1. **Total Harmonic Distortion in Current circuit (THD)/ Total Demand Distortion in Current circuit (TDD) for Very short time (3second) values 99th percentile:**

Day	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remarks
1					
2					
3					
4					
5					
6					
7					

2. **Weekly Total Harmonic Distortion in Current circuit (THD)/ Total Demand Distortion in Current circuit (TDD) for short time (10Minute) values 99th percentile:**

Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remarks

3. **Weekly Total Harmonic Distortion in Current circuit (THD)/ Total Demand Distortion in Current circuit (TDD) for short time (10Minute) values 95th percentile:**

Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remarks

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4. **Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile:**

Day 1

4. Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
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30					31					
32					33					
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42					43					
44					45					
46					47					
48					49					
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4. Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile:

Day 2

4. Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
6					7					
8					9					
10					11					
12					13					
14					15					
16					17					
18					19					
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30					31					
32					33					
34					35					
36					37					
38					39					
40					41					
42					43					
44					45					
46					47					
48					49					
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4.Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile:

Day 3

4. Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
6					7					
8					9					
10					11					
12					13					
14					15					
16					17					
18					19					
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30					31					
32					33					
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38					39					
40					41					
42					43					
44					45					
46					47					
48					49					
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4.Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile:

Day 4

4. Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
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8					9					
10					11					
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14					15					
16					17					
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42					43					
44					45					
46					47					
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4.Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile:

Day 5

4. Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
6					7					
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44					45					
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4.Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile:

Day 6

4. Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
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4.Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile:

Day 7

4. Individual Current Harmonic distortion measurement for very short time (3second) values 99th percentile										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022(%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
4					5					
6					7					
8					9					
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5. **Individual Current Harmonic distortion measurement for short time (10minute) values 99th percentile:**

5. Individual Current Harmonic distortion measurement for short time (10 minute) values 99th percentile										
Even Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Odd Harmonics	Recommended limit as per Standard IEEE 519-2022 (%)	R Phase (%)	Y Phase (%)	B Phase (%)	Remark
2					3					
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Annexure-6.6

List of Commissioned Elements to be taken by the State Utilities under NERPSIP

A. Meghalaya:

1. 33/11kV Jongksha, 1x Line Bay
2. 220/132kV Mawngap (New) S/S- 2 X 160 MVA
3. 220/132kV New Shillong (New) S/S- 2X160 MVA + 2X 50 MVA
4. 33 kV Mynkre- Byndihati DMS line
5. New 33/11kV Sutnga SS, 2X10 MVA
6. 33 kV Mynkre- Sutnga DMS line
7. 33/11 kV Byndihati (Lumshnong) New SS (1 X 5 MVA)
8. Existing 33/11kV Jongksha-Mawkynrew
9. New 33/11kV Mawkynrew, 2x5 MVA
10. New 33/11kV Mawpat SS, 2x10 MVA
11. LILO of both ckt of 132kV MLHEP - Khlierat at Mynkre
12. 132kV Ampati Extn.
13. 132/33kV Mynkre (New) S/S-2X50 MVA
14. 132/33kV Phulbari (New) SS (2x50 MVA)
15. 132/33kV Mynkre (New) - 33/11kV Rymbai
16. 33/11kV Rymbai SS (1x5MVA)
17. Tikrikilla tapping point to Tikrikilla Extn. S/s (Re-conductoring changed to new line as sanctioned by CEA
18. 132/33kV Phulbari (New) - Rajballa Bhaitbari
19. 33/11 kV Rajballa Bhaitbari S/S – 1x5 MVA

B. Tripura:

1. 132/33kV Satchand SS
2. 132 kV D/C Belonia-Sabroom TL
3. 132kV Rabindranagar - Belonia TL
4. 132kV Bagafa - Satchand TL
5. 132kV Kailashar Dharmanagar TL
6. 132KV Interconection Portion of 132KV S/C Sabroom-Satchand TL at Sabroom end
7. 132KV Interconection Portion of 132KV S/C Sabroom-Satchand TL at Satchand end
8. 33/11kV Ampura s/s (under RGGVY)
9. 33/11kV Kalaisahar - R&M
10. 33/11kV Bishramganj Extn.
11. 33/11kV Silachari bay extn.
12. 33kV P K Bari Extn.
13. 33kV Sekerkote – Gokulnagar line
14. 33 kV Manughat - Srinagar line
15. 33kV Jirania - Khayerpur new line
16. 33kV Satchand - Srinagar line

C. Assam:

1. 132/33kV GMC s/s to GS road GIS UG Cable

2. 132/33kV GMC s/s to Arya college GIS UG Cable
3. 132 KV GMC - Chabipool (Hengrabari) UG cable route
4. 33kV Bamunimaidan S/S to Chandmari S/s UG cable
5. 33/11kV GS Road (New) GIS
6. Narengi S/S to Bamunimaidan S/S UG cable
7. Narengi S/S to Zoo Road S/S UG cable
8. 33kV Narengi Uzan Bazar UG cable route
9. 132/33kV Paltanbazar (New) s/s to Stadium (UG Cable)

D. Mizoram:

1. 132/33kV West Phaileng (New) S/S
2. 132kV West Phaileng-Marpara TL
3. 132/33 kV Marpara Substation
4. 132/33kV Lungsen SS
5. 132kV S/C Lunglei - Lungsemn Interconnection
6. 33kV line from 132/33kV Lungsen (new) - Lungsen line - 5 Kms.

E. Nagaland:

1. Bay Ext. at 220kV Mokokchung (PG) GIS S/S
2. 33/11 kV Mokokchung TB Hospital
3. 33/11 kV Mokokchung PH S/s
4. 132/33kV Zunheboto (New)

F. Manipur:

1. 132/33kV Tamenglong SS