



भारत सरकार Government of India

विद्युत मंत्रालय Ministry of Power

उत्तर पूर्वी क्षेत्रीय विद्युत समिति

North Eastern Regional Power Committee

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



No. NERPC/TCC & NERPC/2025-26/ 3120-3199

Date: 25/11/2025

सेवा में / To,

As per NERPC members List.

विषय: 30वीं टीसीसी और 30वीं एनईआर पावर समिति की बैठकों के कार्यवृत्त - के संबंध में।

Subject: Minutes for the 30th TCC & 30th NER Power Committee Meetings – Reg.

महोदय/महोदया,

कृपया 13 और 14 नवंबर, 2025 को होटल ताज डल व्यू, श्रीनगर, जम्मू और कश्मीर में आयोजित क्रमशः 30 वीं टीसीसी और 30 वीं एनईआर पावर कमेटी की बैठकों के कार्यवृत्त आपकी सूचना एवं आवश्यक कार्रवाई हेतु संलग्न देखें। यह एनईआरपीसी की वेबसाइट www.nerpc.gov.in पर भी उपलब्ध है।

Sir/Madam,

Please find enclosed herewith the minutes of the 30th TCC and 30th NER Power Committee meetings held on 13th and 14th November, 2025 respectively at Hotel Taj Dal View, Srinagar, Jammu & Kashmir for your kind information and necessary action. The same is also available on NERPC website: www.nerpc.gov.in.

भवदीय/Yours faithfully,

f दिनेश 25/11/2025
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, MUMIL, 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

दि 12/11/2025
सदस्य सचिव/Member Secretary

TCC Members -Copy for kind information

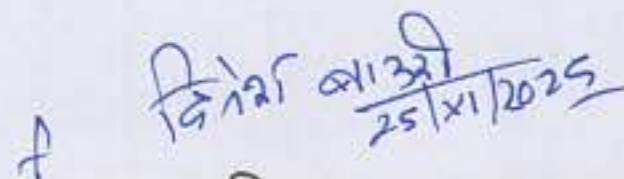
1. Director (Transmission), MePTCL & Chairman TCC, Lumjingshai, S.R. Road, Shillong – 793 001
2. Director (Distribution), MePDCL, Lumjingshai, S.R. Road, Shillong – 793 001
3. Director (Generation), MePGCL, Lumjingshai, S.R. Road, Shillong – 793 001
4. Managing Director, MSPCL, Electricity Complex, Keishampat, 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), MUMIL, DLF Cyber Park, Udyog Vihar Phase 3 Rd, Sector 20, Gurugram, Haryana-122008

Special Invitee(s):

1. Member (Power System), CEA, Sewa Bhavan, R. K. Puram, New Delhi – 110066
2. Member Secretary, ERPC, 14 – Golf Club Road, Tollygunge, Calcutta – 700 033
3. Member Secretary, NRPC, NRPC Complex, 18-A, S.J.S. Marg, Katwaria Sarai, New Delhi – 16
4. Member Secretary, WRPC, MIDC Area, Marol, Andheri (E), Mumbai – 400 093
5. Member Secretary, SRPC, 29 – R.C. Cross Road, Bangalore – 560 009
6. 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



सत्यमेव जयते

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

उत्तर पूर्वी क्षेत्रीय विद्युत समिति

North Eastern Regional Power Committee

Minutes

of

30TH NERPC MEETING

(UNDER THE AEGIS OF NHPC)

Venue	: Hotel Taj Dal View, Srinagar
Date (NERPC)	: November 14th, 2025



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MoM of 30THTCC/NERPC MEETING HELD ON 13th & 14th NOVEMBER 2025

1. MEETING SCHEDULE, CONFIRMATION OF MINUTES & ATR

1.1. Meeting Schedule

S N	Meeting	Date	Time	Venue
1	TCC	13.11.2025	10:30 Hrs	Hotel Taj Dal View, Srinagar
2	NERPC	14.11.2025	10:30 Hrs	Hotel Taj Dal View, Srinagar

30th TCC & 30th North Eastern Regional Power Committee (NER Power Committee) meetings held on 13th and 14th November 2025 respectively in Srinagar, Jammu & Kashmir. The meetings were hosted under the aegis of NHPC. The list of participants is enclosed at **Annexure – I**

Proceedings of the 30th TCC & 30th NERPC Meetings:

Shri S. Adhikari, Director (Technical), NHPC in his welcome address extended warm greetings to the Honourable Power Minister, Meghalaya and Chairman NERPC; HPM Mizoram, HMLA Arunachal Pradesh, senior officials from CEA, NERPC, representatives of Grid India, State and Central Utilities, CPSUs and all distinguished delegates. He conveyed NHPC's privilege in hosting the forum in Srinagar and noted the city's suitability for discussions



on hydropower, given its natural setting.

He emphasized the importance of the meeting as a platform for key stakeholders to deliberate on critical technical and operational matters and to guide future strategies for the region's power sector. He noted the North Eastern Region's significant hydropower potential of nearly 58,000 MW and stressed that its realization depends on coordinated efforts, strong policy support and robust infrastructure. He further highlighted NHPC's longstanding role in the region, referencing the contribution of the Loktak Hydro Power Station, the progress of the Subansiri Lower Project, and other major projects in Arunachal Pradesh. He also underscored key policy measures advancing hydropower development and the relevance of initiatives such as NERPSIP and the Green Energy Corridors.

In conclusion, he acknowledged the crucial role of NERPC and TCC in enabling regional coordination and expressed confidence that the meeting's deliberations would help strengthen the regional power system and support India's clean energy transition.

Smt. Pansngiat Sun, TCC Chairperson & Director (Transmission), MePTCL welcomed all the participants and expressed sincere gratitude to NHPC for hosting the meeting in picturesque and serene capital of Jammu & Kashmir. She also appreciated NERPC for its continuous and tireless efforts and its contributions towards the Power sector in the region.

She highlighted the increasing role of AI in power sector of India in the era of Renewable transition and associated variabilities in the Grid. She mentioned that AI can be used in forecasting, scheduling, detecting instability in the grid, fault prediction and market manipulation surveillance. Further she expressed caution that AI deployment at the grid monitoring scale will bring its own risks, especially around false positives, biases, and over-reliance on automated decisions. To address this, a national AI assurance framework for critical infrastructure is imperative.



Further she requested MoP to conceptualise a scheme similar to NERPSIP for implementing the projects required for ensuring transmission resource adequacy by 2034-35 as mentioned in the CEA report on the subject, considering the inability of the financially challenged NER states.

She requested the forum to take up the matter of high reserve requirement (SRAS and TRAS) for NE states to suitable authority and get it revised.

She also expressed the need for disaster preparedness in NER given the region lies in seismic Zone V and urged all the states to submit the DPR for ERS to the PSDF.

She emphasized upon reviewing the workforce adequacy guidelines of MoP and rationalize the requirement and make it concomitant to the scale and size of the grid infrastructure the NER states. The detailed speech of Smt. Pansngiat Sun, TCC Chairperson & Director (Transmission), MePTCL is attached as **Annexure-A**.

Shri Jikke Tako, Hon'ble MLA & Advisor (Power & Electrical), Government of Arunachal Pradesh expressed his appreciation to NHPC for hosting the 30th NERPC meeting at Srinagar and acknowledged the leadership of the NERPC Chairman and Member Secretary. He stated that Arunachal Pradesh places full confidence in NERPC's role in guiding coordinated development of the power sector in the North Eastern Region.

He highlighted key updates and issues concerning Arunachal Pradesh, including the slow progress of the *Comprehensive Scheme for Strengthening of Transmission & Distribution Systems in Arunachal Pradesh and Sikkim*, despite resolution of all Right-of-Way issues. He urged concerned stakeholders to expedite the remaining works, as prolonged delays causing risk of defeating the objectives of the scheme.



Under the *Revamped Distribution Sector Scheme (RDSS)*, he noted challenges arising from sparse habitations and difficult geography, which hinder grid connectivity under existing cost criteria, and requested special dispensation from the Central Government for coverage of all households, especially in border and remote villages.

He informed that the State Government has launched the *Chief Minister's Comprehensive State Power Development Programme* with an allocation of ₹2,000 crore for strengthening the distribution system, and has initiated restructuring of the Department of Power to meet manpower needs, including implementation of Workforce Adequacy Guidelines for Load Despatch Centres. Steps have also been initiated for utility unbundling through PPP-based processes to improve commercial efficiency. A new proposal was placed before the forum for priority approval: execution of a 132 kV LILO connection from the Gohpur–Nirjuli line to the completed but idle 132/33 kV Banderdewa Substation to enable utilisation of existing infrastructure and improve supply reliability in the area.

In conclusion, he thanked all participants for their commitment to the region's power sector and expressed confidence that NERPC will continue to serve as an effective platform for addressing region-specific challenges and advancing sustainable growth. He also conveyed his appreciation to NHPC, NERPC Secretariat, and the host venue for the excellent arrangements and hospitality.

The detailed speech of **Shri Jikke Tako**, Hon'ble MLA & Advisor (Power & Electrical), Government of Arunachal Pradesh is attached as **Annexure-B**.

Shri Pu F. Rodingliana, Hon'ble Power Minister, Government of Mizoram in his opening address conveyed warm greetings to all dignitaries and reiterated that power generation continues to be the State's highest priority. He highlighted the rising demand for reliable electricity and stressed the



need for collective regional efforts to augment generation capacity. He also expressed concern over the existing Pump Storage Project (PSP) guidelines, noting that states surrender valuable land yet do not receive commensurate benefits, and urged coordinated action by all North Eastern States to seek a review of the framework by the Central Government.

He, further drew attention to significant financing constraints and emphasized that new hydel and other power projects cannot progress without Central assistance, calling for reinstatement of the special incentive subsidy for the region. He also pointed to the under-utilization of the mandated 10% Gross Budgetary Support (GBS) for the North East and encouraged states to ensure its optimal use, suggesting a joint representation to the Hon'ble Prime Minister if required.

He concluded his address by stressing upon the urgent need for upgrading outdated substations and transmission systems and expressed confidence that the meeting would yield constructive and practical outcomes.

Detailed Speech of Sh. Pu F. Rodingliana, Hon'ble Power Minister, Government of Mizoram attached at **Annexure-C**.

Shri Metbah Lyngdoh, Chairman, NERPC & Hon'ble Power Minister, Government of Meghalaya expressed his gratitude to NHPC for hosting the meeting and acknowledged NERPC's continuous support to the North-Eastern power sector. He extended warm greetings to all participants and emphasized the importance of collective deliberations in addressing key challenges of the region's power system.

He highlighted the vast hydro potential of the North-Eastern Region and appreciated NHPC for the successful test run of the first 250 MW unit of the 2000 MW Lower Subansiri HEP. He informed that Meghalaya has recently



awarded hydro projects totalling 307.5 MW to private developers as part of its green-energy efforts.

The Minister underlined Meghalaya's ongoing initiatives to improve generation, transmission, and distribution reliability, including modernisation of infrastructure. He appreciated NERPC's approval of the renovation proposals of 33/11 kV substations and associated lines and urged for early sanction of the DPR by the PSDF Secretariat.

He reiterated several critical issues requiring urgent attention, including:

- Immediate upgradation of obsolete SCADA-EMS systems at state and regional levels and extension of their AMC until replacement.
- Resolution of AMC-related challenges in SAMAST systems.
- Financial support for the intra-state transmission requirements identified in the CEA's Transmission Adequacy Report 2034–35, particularly for financially constrained NER states.
- Consideration of funding Meghalaya's proposals for HTLS re-conductoring and installation of transmission line surge arresters in lightning-prone areas.
- Review of the Workforce Adequacy Guidelines for SLDCs as the mandated manpower is disproportionately high for smaller NER states.
- Expedited submission and approval of downstream network proposals under RDSS.
- Reconsideration of the high reserve requirement (155 MW) mandated under the Indian Electricity Grid Code 2023, given Meghalaya's predominantly hydro-based system and seasonal water dependence.



He stated that the region is at a crucial stage in its energy transition and stressed the need for coordinated efforts, investment, and policy support to ensure reliable and affordable power supply. He hoped the meeting would lead to constructive and actionable outcomes and reiterated his appreciation to NHPC for the excellent arrangements.

Detailed Speech of **Shri Metbah Lyngdoh**, Chairman, NERPC & Hon'ble Power Minister, Government of Meghalaya is attached at **Annexure-D**.

Shri Hemant Jain, Member (GO&D), CEA welcomed all the participants in the meeting. He thanked NHPC for organizing the meeting in beautiful city of Srinagar. He appreciated the role of CPSEs in development of power sector of India. He also congratulated NHPC for moving closer to commissioning of the Lower Subansiri HEP.

He apprised that the proposal of SCADA/EMS of NER State SLDCs has been approved by the appraisal committee and the matter has been submitted to the Monitoring committee and the meeting of the Monitoring committee would likely to be held in 2-3 weeks. He added that PSDF is facing fund constraints and priorities have been set for providing the funds, the projects having implication on national level and impacting the national grid have been given more priority. On the first priority, he informed, that BESS has been placed, which has already been approved by Monitoring committee, and SCADA EMS has been placed on second priority which is likely to be approved by the Monitoring committee in the upcoming meeting. Further he said that the state sector schemes for NER like Reliable communication, reconductoring etc. will be placed to the Monitoring committee for their consideration.

He added that regarding the specific issues faced by NER, like benefits from PSPs, reserve requirement, Net present value etc. all the NER State can raise the matter to Government of India to look into the issues of NER. Regarding the issue of PSPs, he opined that the NER states can send a joint proposal



form NER states to MoP, with proper justification, to make provision for states to accrue some benefits from the PSP projects being developed by the CPSUs.

He also urged the NER to adopt a national perspective for power sector in the matter of policies and plans as they are integrated with the National grid.

He highlighted the issue of load management during the evening peak hours and opined that NER can be a big support to the National grid by helping meet the peak demand of the country. In this regard he advised MS ,NERPC to take up the matter in sub-committee meetings of NERPC for further deliberation.

He informed that there is a provision of capacity building in RDSS scheme and urged the NER states for active participation in those training programs.

Regarding last mile connectivity issue, as raised by Hon'ble MLA and Advisor (Power), Govt of Ar. Pradesh, he suggested NER states to devise a comprehensive proposal for ensuring the connective to end consumers in far flung and sparsely populated areas and send to MoP so that some scheme can be devised for NER.

Finally, he emphasized upon the dynamic nature of the power sector in India and requested the NER states to promptly take decisions related to power sector for overall growth of Nation.

Sh. V. K. Singh, Member (Power System), CEA in his address to 30th NERPC meeting welcomed dignitaries, officials, and conveyed his gratitude to the NERPC forum for the invitation. He emphasized that ensuring grid security is a collective responsibility of all utilities, regulators, and system operators. He requested all North Eastern States to prepare actionable plans



for implementing the Resource Adequacy 2034–35 framework formulated by CEA and noted that once such plans are in place, a new comprehensive scheme for the entire region, akin to NERPSIP, could be developed.

He further highlighted key issues requiring coordinated attention, including renewable energy curtailment, technical minimum operation of thermal stations, increasing insulator failures, transmission line diversions for other infrastructure works, adherence to CEA Safety Regulations, and strengthening of OPGW communication systems with improved outage coordination. He also, expressed concern over the current pattern of low requisition during solar hours followed by steep evening peaks, which places significant strain on grid balancing.

He concluded his address by underscoring the importance of regulatory harmonization, uniform technical minimum norms, adoption of two-shift operations, enhancement of storage capacity, and promotion of demand-side measures. He reaffirmed CEA's commitment to supporting all stakeholders and expressed confidence that the deliberations of the meeting would significantly contribute to strengthening the power sector in the North Eastern region.

Detailed Speech of Sh. V. K. Singh, Member (Power System), CEA is attached at **Annexure-E**.

Shri K. B. Jagtap, Member Secretary, NERPC extended the warm welcome to the Hon'ble Power Ministers of Meghalaya and Chairman NERPC, HPM Government of Mizoram, the Hon'ble MLA-cum-Advisor (Power), Government of Arunachal Pradesh, Member (GO&D), CEA and Member (PS), CEA, MS ERPC, Director (Technical), NHPC and his team, State and Central utilities, and other distinguished dignitaries and participants. Appreciation was expressed to NHPC, particularly to Shri S. Adhikari, Director (Technical), for hosting the 30th Technical Coordination Committee (TCC) Meeting at Srinagar in a well-organized manner.



Further, he highlighted that NERPC Secretariat has been continuously working through its sub-committees on Operation, Protection, Commercial, and NeTEST to address operational and commercial issues of the North Eastern Region. Members were urged to make effective use of these sub-committees for detailed deliberations. It was informed that the North Eastern Region achieved significant operational and infrastructural progress during 2025, including an all-time peak demand of 4200 MW on 26th September 2025, which was met without any shortage. The implementation of Special Protection Schemes at Azara and Loktak, successful restoration of Khandong generating units affected by floods, and commissioning of the 220 kV Kathalguri-Namsai lines were noted as key achievements. The energization of the 400 kV Subansiri Lower HEP switchyard by NHPC was recognized as a major milestone for the regional and national grid.

It was also informed that 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.

The active participation of all constituent members was appreciated as a reflection of their commitment and sincerity towards addressing challenges in the power sector. Finally, he expressed that with continued cooperation and collective efforts, greater milestones would be achieved in the North Eastern Region. The Member Secretary once again extended his gratitude to all participants and conveyed best wishes for successful deliberations during the meeting. Detailed speech of Shri K. B. Jagtap Member Secretary, NERPC is attached as **Annexure-F**.



1.2. Confirmation of the minutes of 29th NERPC Meeting

The minutes of the 29th TCC & 29th North Eastern Regional Power Committee (NER Power Committee) meetings held on 17th and 18th July 2025 respectively in Guwahati were circulated vide letter no. NERPC/TCC & NERPC/2025-26/1512-1591 dated 31st July 2025.

Subsequently, based on comments from CTU, a corrigendum was issued for the agenda item no. 3.6 of 29th TCC and NERPC meetings vide letter no. NERPC/TCC & NERPC/2025-26/1944-1978 dtd. 29-08-2025 and circulated to all constituents.

No comments were received from constituents.

Deliberation of TCC

TCC forum recommended the 29th RPC minutes along with the corrigendum for the concurrence of the NERPC forum.

Deliberation of RPC

RPC forum concurred the decision of 30th TCC forum and approved the 29th NERPC MoM along with the corrigendum.

1.3. Action Taken Report on decisions taken in 29th TCC/NERPC Meetings

Action taken report on decisions taken in 29th TCC & NERPC Meeting is enclosed (**Annexure-1.3**) for kind information.



1.4. Arrangement of Agenda of 30th TCC & 30th NERPC Meeting

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



2. PART-A: ITEMS FOR DISCUSSION

2.1. INCLUSION OF SIKKIM IN NER REGION” & “AS CONSTITUENT MEMBER OF NORTH EASTERN REGIONAL POWER COMMITTEE - NERPC secretariat

Background

Sikkim is a member of North Eastern Council (NEC)/DoNER and all the development activities funded in Sikkim are being shared with NER States. NER members felt that if development activities are being shared by NER States, NER has the right to share the power projects being developed in Sikkim.

Geographically, culturally, etc., Sikkim is very much the part of NER. The challenges faced by Sikkim is similar to that of NER states like RoW, vegetation issues, landslides etc. and devising solution for these challenges will be easier if Sikkim is part of NERPC.

Electrically NER is already connected to ER (via 400kV Bongaion- Siliguri Tx line, 220kV Salakati-Alipurduar Tx line) and NR (via through Agra-Alipurduar-BNC HVDC 800kV). It is not so difficult that Sikkim cannot be connected with NER with some additional steps at Siliguri or Alipurduar.

Power allocation from Sikkim projects is in the purview of Ministry of Power. Power can be reallocated by MoP to NER States.

During the 4th NERPC Meetings held on 20th& 21st August, 2007 following Resolution was adopted “To approach Ministry of Power, Govt. of India for allocation of share from Power Projects of Sikkim to NE States because Sikkim is a constituent state of NEC and all the development fund allocated to NEC is being shared by Sikkim also with all other NE States. Resource of Sikkim now becomes part of NER Resource”.

During the 9th NERPC meetings held on 12th August, 2010 Chairman, NERPC & Hon’ble Power Minister, Govt. of Meghalaya in his inaugural speech once again stressed that Sikkim being a constituent member of



North Eastern Council (NEC) and funds are earmarked for power development in Sikkim and therefore NER States should also have a share from these projects being set up in Sikkim. Chairman, NERPC vide letter dated 28.10.2011 has written letters to Union Minister of Power, Govt. of India, Hon'ble Chief Minister & Power Minister, Govt. of Sikkim requesting them to re-consider the issue of inclusion Sikkim as member of NERPC.

During the 13th TCC/NERPC meetings held during 9th& 10th July, 2012 at Faridabad, Members strongly opined that Sikkim should be included as member of NERPC. A Resolution was also adopted and sent to Hon'ble Union Power Minister, Govt. of India.

Ministry of Power, vide their Resolution dated 25.05.2005 and subsequent amendments has established Sikkim as a constituent member of Eastern Regional Power Committee (ERPC). All the developmental activities in Sikkim State are taking place with financial assistance through North-Eastern Council (NEC)/ Ministry of Development of North Eastern Region (DoNER), including States of NE Region. The benefit of all developmental activities is being utilized by the States in Eastern Region. We, therefore, humbly submit to kindly consider inclusion of State of Sikkim as constituent member of North Eastern Regional Power Committee and to make necessary amendment of the relevant provisions in the resolution dated 25.05.2005 published in the Gazette of India.

Meanwhile, Ministry of Power, Govt. of India vide letter dated 31.10.2018 has desired to get a comments/feedbacks on "whether Sikkim can be included in North Eastern Region in place of Eastern Region, where it is currently included". NERPC had sent comments for inclusion of Sikkim in NERPC vide letter no. NERPC/OP/Committee/2019/1890 dated January 22, 2019 (copy enclosed).



In 9th RPC (12th August, 2010), members strongly opined that Sikkim should become a member of NERPC due to the following

factual points:

1. Sikkim is a member of North Eastern Council (NEC)/DoNER and all the development activities funded in Sikkim are being shared with NER States. NER members felt that if development activities are being shared by NER States, NER has the right to share the power projects being developed in Sikkim.
2. Electrically can be easily made from NER to Sikkim with some additional steps.
3. If NER is being connected to ER, it is not so difficult that Sikkim cannot be connected with NER. Any disturbance can be emanated from anywhere not particularly Sikkim.
4. Geographically, culturally, etc., Sikkim is very much the part of NER.
5. Power allocation from Sikkim projects is in the purview of Ministry of Power. Power can be allotted by MoP

Although all the development activities in Sikkim State are taking place with financial assistance through North-Eastern Council (NEC)/DoNER, the benefits from development in the State are being availed by Eastern Regional States only. Many hydro projects are existing or are under execution in the Sikkim State. However, the State of Sikkim is presently a constituent member of Eastern Regional Power Committee. We, therefore, once again request Ministry of Power for kindly considering inclusion of Sikkim State as constituent member of North-Eastern Regional Power Committee and for amendment of the relevant provisions in the resolution dated 29.11.2005 and Ministry of Power Resolution F. No:23/21/2021-R&R dated 03.12.2021 published in the Gazette of India, so that the States of North Eastern Region are able to fully derive benefits from major hydro projects developed in the State of Sikkim.



Hence NERPC forum strongly urged to consider for inclusion of the state of Sikkim as constituent member of NERPC so that share of Power from generation projects in the state of Sikkim is allocated to NE States because Sikkim is a constituent state of NEC and all the development fund allocated to NEC is being shared by Sikkim along with other NE States.

With this background, a resolution to be sent to Hon'ble Union Power Minister, MoP to intervene into the matter so that Sikkim being in NE Region can be granted full membership of NERPC by amending the relevant clause of NERPC.

The matter was deliberated in the 29th TCC NERPC meetings in which it was agreed in-principle for inclusion of Sikkim in NERPC. Also, it was decided in the meetings to form a sub-committee to study the operational, technical and commercial issues arising on inclusion of Sikkim as NERPC member and submit its report to NERPC Secretariat within two Months.

Subsequently the sub-committee was constituted vide letter NERPC/MS/2025-26/2137-2143dtd10.09.2025 and meetings were held as per requirement. During the deliberations, the sub-committee noted that inclusion of Sikkim in NER will have following advantages and disadvantages to NER-

Advantages

1. NER states will get access to cheap hydro power coming up in Sikkim and vice a; versa
2. Geographically, culturally, etc., Sikkim is very much the part of NER. The challenges faced by Sikkim is similar to that of NER states like RoW, vegetation issues, landslides etc. and devising solution for these challenges will be easier if Sikkim is part of NERPC.

Disadvantages

1. Making a direct electrical (transmission line and associated infra)connection between Sikkim and NER will incur around 1200 to 1500 crore (as per CTU) which will pose a very heavy burden on DICs.



2. Calculation of ATC will be separately done for Sikkim, which may lead to sub-optimal scheduling of Power.
3. The inclusion of an electrically isolated Sikkim, can distort the Area Control Error (ACE) calculation for the NER control area, which may weaken the AGC response and lead to suboptimal system performance.
4. Sikkim SLDCs as well as ISGS and ISTS elements in Sikkim have to be integrated with the NERLDC which will involve making communication path available, upgradation of SCADA at NERLDC, configuration changes at SLDC, ISGS and ISTS etc. All these works involve modifications in existing IT infrastructure and will incur significant financial burden and may face compatibility issues.
5. All the FTC related, protection coordination and approval related and shutdown related matters may face significant delays as additional coordination with ERLDC, ERPC and other states of ER will be involved. It will be significant challenge to minimize those delays.
6. Regional component in ISTS charges will increase for the NER states as well as Sikkim after inclusion of Sikkim in NERPC.
7. Sikkim will have to be considered as a separate bid area for all collective transactions
8. Scheduling of ISGS located in Sikkim, for which there are no beneficiary in NER, will be a challenging task for NERLDC as they will have to be dependent on ERLDC for coordination. Also, several software systems — such as the Web-Based Energy Scheduling (WBES) Software, SCADA dashboards at RLDCs and NLDC, NOAR software, REC registry and Power Exchange Bid Area configurations etc. — would require modification in the event of Sikkim's inclusion into the North Eastern Region (NER) Grid.
9. Currently Meters available throughout Sikkim are under AMR which are directly reporting to the AMR Application and Database Server present at ERLDC. Currently NERLDC has no AMR system available and hence SEM data of ISGS/IPPs and Substations present within Sikkim control



area would have to be gathered from ERLDC which would complicate coordination.

10. Further assets of Powergrid in Sikkim are administered by ER-II, so if these assets are to be included in NER administrative and technical changes have to be made in Powergrid which will be a significant challenge for Powergrid.

After detailed deliberations in the meeting the sub-committee has finalized the report which is hereby placed for deliberation of the TCC.

Deliberation of TCC

NERPC Secretariat presented the final report of the Sub-committee. After deliberation, the forum noted that the disadvantages clearly outweigh the benefits with inclusion of Sikkim in NER.

However, Member Secretary, NERPC requested the constituents to provide comments to the report, if any, within one week. Further, he informed that a large number of hydro projects have already been planned for Brahmaputra Basin in NER which will clearly be sufficient to meet the demand and economic growth of NER states.

Forum agreed that the inclusion of Sikkim in NER is operationally, technically and financially not prudent.

Deliberation of RPC

After detailed deliberation, RPC forum endorsed the views of the TCC forum and it was decided to drop the agenda.

2.2. Workforce Adequacy at Load Despatch Centres and review of Workforce guidelines of Ministry of Power for manpower position in SLDCs - NERPC Secretariat

The Minister of Power has issued Workforce Adequacy Guidelines for Load Dispatch Centers (LDCs) in October 2024 to ensure their smooth operation



and enhance capacity building at State Load Dispatch Centers (SLDCs). In line with these efforts, the Ministry has introduced guidelines titled as “Workforce Adequacy for Load Dispatch Centers and Deputation of Workforce from SLDCs to GRID-INDIA for fixed Terms.”

Workforce Staffing Norms, as per Workforce Adequacy Guidelines for Load Dispatch Centers (LDCs) issued by MoP are as follows:

LDCs - Workforce Staffing Norms			
SN	Function	Medium SLDC	Emerging SLDC
System Operation			
1	System Operation - Operational Planning	16	9
2	Real Time Grid Operation (For SO only)	26	18
3	Post-Despatch	10	4
Sub -Total (SO)		52	31
Market Operation			
4	Open Access Administration	1	1
5	Market Coordination	3	1
6	Inter-face Energy Metering, Accounting and Settlement	4	1
7	Regulatory Affairs, Market Operation Planning and Coordination	1	1
Subtotal – MO		9	4
Logistics			
8	logistics _Operation technology	8	3
9	IT logistics	6	3
10	Communication logistics	2	2
Subtotal – Logistics		16	8
REMC			
11	REMC Logistics	2	1
Cyber Security			
12	Cyber Security	13	10
Support Functions			
13	Contract Services	2	2
14	Finance and Accounts	5	3
15	HR & Admin	4	3
Subtotal -Support Functions		11	8
Grand-Total		103	62

Existing manpower* of NER SLDCs against Workforce Adequacy guidelines for Load Despatch Centres are as follows:



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Sl. No	SLDC	System Operation	Market Operation	Logistics	REMC	Cyber Security	Support Functions(Contract Services, HR & Admin, F&A)	Total
1	Arunachal Pradesh	There is no specific segregation of manpower in respective Department. Total 7 executives are there which includes 3 Top management post. The remaining 4 executives are handling any of the above mentioned areas on rotational basis.**						7/62
2	Assam	17/52	7/9	6/16	0/2	1/13	2/11	33/103
3	Manipur	14/31	5/4	2/8	0/1	0/10	0/8	21/62
4	Meghalaya	14/31	2/4	0/8	0/1	0/10	0/8	16/62
5	Mizoram	3/31	2/4	1/8	0/1	1/10	2/8	9/62
6	Nagaland	6/31	2/4	2/8	0/1	0/10	0/8	10/62
7	Tripura	15/31	0/4	2/8	0/1	0/10	0/8	17/62

**As on 01/01/2024*

The issue was deliberated in 29th TCC & NERPC meetings, wherein MS NERPC informed that NERPC has sent a resolution to MoP for delinking of the manpower issue with the PSDF funding and phased wise manner of recruiting manpower as mandated by the guideline. NERLDC highlighted that the sanctioned strength SLDCs are not even filled in the states. Meghalaya raised the issues that the manpower requirement as mentioned in the guideline is too high for the state considering the generating and transmission infrastructure present in the state and requested for a review of the same, if possible. Other NER states echoed the concern of Meghalaya. However, NERLDC stated that considering the amount of work involved under CERC regulations like RE integration, reserve estimation, load forecasting cyber security etc, the manpower mandated as per the guidelines is essential.

Considering the discussion of 29th TCC/RPC, the forum may deliberate upon the concern of NER states and whether there is a need to review the guideline of MoP on the workforce adequacy as far as NER region is concerned.



Deliberation of TCC

Tripura informed that additional 31 people would be recruited in SLDC in the next 3-4 months.

Further, Meghalaya, Mizoram, Tripura and Nagaland expressed the view that number of workforce as mandated by the MoP Guidelines are significantly high and it should be made concomitant with the scale of grid network and elements in their states. However, Arunachal Pradesh, Assam and Manipur expressed willingness to follow the MoP Guidelines.

Forum then invited suggestions from state SLDCs and NERLDC on the number of man force required to man the state SLDCs properly.

After detailed deliberations forum decided as such –

Function	Manpower required (proposed)
System Operation	
Operational Planning	4
Real time grid operation	15
Post-Dispatch	2
Sub-Total	22
Market Operation	
Open Access Operation	1
Market Coordination	1
Interface Energy metering	1
Regulatory affairs etc	1
Sub-total MO	4
Logistics	4
REMC	1



Cyber security	7 (5 for SOC+2)
Support functions	8
Total	46

Member Secretary, NERPC stated that proposal will be put up to NERPC to send a resolution to MoP to rationalize the manpower requirement for Meghalaya, Mizoram, Tripura and Nagaland states as per the revised quantity decided above in the table and request for amendment in workforce guidelines accordingly.

Deliberation of RPC

RPC forum agreed for the decision taken by the TCC forum i.e 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.

2.3. URTDSM Phase-II Project (ISTS Portion) – Implementation through RTM route

Background of URTDSM Phase-II project:

1. The WAMS system installed under URTDSM Phase-I project comprises of 1400+ PMUs and 32 Control centers. This project was implemented with 70% of the project cost as PSDF grant and 30% was through POWERGRID Equity (RTM for 30% portion and no tariff for 70% grant portion).
2. The URTDSM Phase-I project is proving its significance and usefulness to the Grid Operators for wide area monitoring of the Grid and Event



Analysis. Further, the expanding Indian Power Grid with increased penetration of renewable energy sources and Govt of India's plan to achieve 500GW RE power by 2030, needs Smart Grid tools to proactively monitor, manage, and operate the Grid.

3. The URTDSM Phase-I Control centres at SLDCs, RLDCs and NLDCs (32 No's) are nearing their Operational life and are becoming technically obsolete. Hence to keep the WAMS URTDSM Control centres functional, the URTDSM Phase-II project which includes replacement of existing control centres, is to be implemented on priority. URTDSM Phase-II project also envisages advanced WAMS analytics for Oscillation monitoring, Disturbance analysis, inertia monitoring, measurement of RE generator(inverter) response, which shall enhance the Grid observability for efficient and safe operation of the Grid.

4. Previous Deliberations for Approval of URTDSM Phase-II Project:

S No	NPC/RPC Meeting	Date of Meeting	Meeting Outcome	Actions taken by POWERGRID
i.	13 th NPC Meeting	05.07.2023	"The DPR of URTDSM project phase-II in accordance with the recommendation of the committee may be prepared by the PowerGrid within three months. PSDF funding for URTDSM project phase-II may also be sought subsequently. RPCs were	POWERGRID Prepared DPR for URTDSM Phase-II Project, which included 4000PMUs (new) and 34 control centres proposed with funding pattern of 70% PSDF grant and 30% POWERGRID equity in line with Phase-I. DPR with an estimate of Rs.3922 Crores, was submitted to NPC/CEA on



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			requested to provide full cooperation in reparation of DPR”	11.03.2024.
ii.	14 th NPC Meeting	03.02.2024	“PGCIL may revise the scope of DPR in line with above suggestions ((d) to (h)) and submit the DPR by March 2024”	POWERGRID presented Various options for optimization and discussed with GRID-INDIA. These Options were presented to NPC on 30.05.2024 for further deliberations.
iii.	Email from NPC reg PSDF	18.04.2024	“In accordance with the decision of the 22nd Monitoring Committee meeting, funding for the DPR regarding URTDSM project Phase II will not be provided through PSDF as of now. POWERGRID is hereby requested to explore alternative funding sources for URTDSM project Phase II”.	Hence, POWERGRID proposed to implement the URTDSM Phase-II Project on RTM basis (70% debt and 30% equity) and approached the Constituents in all the five RPCs for concurrence of the RTM proposal.
iv.	Various RPC meetings		SLDCs of all Regions have expressed in- principle technical acceptance for implementation of the URTDSM Phase-II Project, but the RTM proposal was not	The initial DPR prepared by POWERGRID was based on the sub- committee recommended philosophy of PMU placement. However, CEA was preparing a revised PMU placement



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			concurred by States due to funding constraints	philosophy to bring clarity in various regulation/ guideline / recommendation. The new guidelines for unified philosophy of PMU placement in Indian Grid were published in March 2025, which will supersede all existing guidelines and sub-committee report etc.
v	15 th NPC Meeting	14.11.2024	“PowerGrid is to submit the revised proposal in consultation with Grid India, only for the existing network after segregating the PMUs and control centers under ISTS and STUs system. The proposal may also be revised to optimized number of control centers and PMUs at ISTS & STUs system separately. The revised proposal for ISTS portion may be put up to the NCT for further consideration”.	Accordingly, POWERGRID prepared DPR for URTDSM Phase-II ISTS portion (upgradation of control centres at NLDCs, RLDCs and installation of new PMUs for Central Sector stations as per latest CEA guidelines) at an estimated cost of Rs. 1124Crores. Phase-II project for ISTS portion comprises of control centres (7 nos.) of NLDC and RLDCs and PMUs at central sector stations (1070 nos.) Tentative cost and BOQ for STUs portion (Control centers of SLDCs across India and new PMUs for State sector substations) is also prepared by



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				POWERGRID for further deliberations in NPC at a cost of Rs. 2550 Crores for 26 SLDCs' portion and 1210 PMUs. The same has been discussed in 16 th NPC.
vi	16 th NPC	04.07.2025	"URTD SM project phase-II proposal may be put up in RPC forum for further discussion" "The mode of implementation of the URTDSM project phase-II may be put up in upcoming NCT meeting for deliberation and approval"	Accordingly, POWERGRID is taking up the URTDSM Phase-II ISTS proposal for discussion in RPC Meetings.
xi	29 th NERPC	17-18 th July 2025	Forum noted that the matter needs to be discussed in detail and referred it to sub-committee for further deliberation	The No of State Sector PMUs for each SLDC of NER is as given below.

The number of State Sector PMUs for each SLDC of NER is as given below:

Name of the SLDC	No of State Sector/ Pvt Utility PMUs	Installed in scheme
Assam	10	URTD SM Ph-I



Nagaland	2 (Pvt)	KMTL (Pvt)
Manipur	0	
Meghalaya	1 (Pilot)	Pilot
Tripura	12 (Pvt)	IndiGrid

In view of the above PMU quantities, POWERGRID proposes the following strategy for State Sector portion of NER Region under URTDSM Phase- II Project:

- i. No dedicated PDCs (Control Centre setup) will be required under URTDSM Phase-II for SLDCs of NER. All State Sector PMUs in NER shall be reported to the PDC at NERLDC. For all States of NER where State Sector PMUs are present, only remote consoles with firewall and LAN switch will be supplied at each SLDC premises, cost of which will be around **Rs.2 Crores** per SLDC & the same is NOT included in the present proposal.
- ii. The PMU quantity proposed under the ISTS portion for NER is as per revised CEA guidelines only.

POWERGRID Proposal for URTDSM Phase-II ISTS Portion:

Keeping in view of the above factors, *“it is proposed to take up URTDSM Phase-II Project (for ISTS portion) on pan India basis, on cost sharing mechanism (100% RTM route with 70:30 Debt Equity ratio) to be implemented by POWERGRID”.*

URTDSM Phase-II ISTS proposal is approved by SRPC and WRPC (minutes awaited). Agenda has been put up in 81st NRPC scheduled on 30th Oct 2025. Upon Approval in all RPCs, POWERGRID will put up the proposal in NCT for final approval.



Deliberation of TCC

Powergrid informed that the all India project cost has been brought down to Rs.1111 crore and that the quantum of PMUs has been reduced to 107 from 151 for installation of PMUs at 132 KV lines for NER and cost has been reduced by 12 crore (from Rs 161 cr to Rs 149 cr) after the meeting held on 10.11.2025 with concerned stakeholders.

After detailed deliberation, the forum accorded technical concurrence for the proposal. Regarding the financial implications, state utilities proposed that PSDF funding may be explored first.

Deliberation of RPC

CMD, MeECL queried about the state-wise financial implications that were calculated by Powergrid and whether the GNA quantum has any bearing on the calculations. On confirmation of the same, CMD, MeECL informed that full utilization of GNA is, in the case of Meghalaya, for a small percentage of time throughout the year, and felt that a review of the tariff recovery for States may perhaps be done as per Average GNA utilised. Powergrid informed that the calculations are tentative and a review would be taken up accordingly.

Member (GO&D) CEA informed that UTRDM phase-II is a very critical and important project from the National grid point of view due to integration of huge renewable generation into the grid which is jeopardising the grid stability. The same has already been approved in other regions. Further, he informed that the priority for PSDF funding has been already fixed by the Government for some critical projects such as Battery Storage, NER SCADA-EMS systems, Cyber Security etc. In this regard, no PSDF funding will be available for this project, hence NPC has decided that URTDSM will be done in line with the resolutions taken during the 16th NPC meeting and funding will be done through RTM Mode.

After detailed deliberation RPC forum concurred for the same.



2.4. Progress of SCADA-EMS upgradation/replacement systems at Regional/State level in North-Eastern Region - NERLDC

The extended AMC period for existing (ULDC-Phase II) of the SCADAEMS Project for SLDC-Assam State ends on 11th November 2024, and for SLDC-Meghalaya on 31st March 2025. Moreover, NER states are already facing financial difficulties in paying the AMC charges for the ongoing SCADA projects, which is hindering the proper service delivery by the vendor, M/s GE T&D India Limited. M/s GE T&D, India is quoting AMC amounts that are three (3) times higher than previous rates for further extension, exacerbating the financial strain. Additionally, the existing SCADA-EMS systems are facing cybersecurity risks due to outdated critical devices (firewall) and the aging servers are unable to support new operating systems due to hardware limitations.

Hence, in view of the same the **SCADA-EMS upgradation/replacement is being taken up by NER SLDCs in consultation with Grid-India. NER SLDCs has approached PSDF for 100% funding.** Monitoring Committee, PSDF in its 21st meeting held under Chairmanship of Secretary (Power) on 17th August 2023, agreed for funding of the SCADA/EMS projects (ULDC-Phase III) for the seven NER SLDCs including AMC for 7 years.

Subsequently, the Detailed Project Reports (DPRs) for SCADA/EMS project at main as well as backup control centers and Part B (Civil Works) for setting up of backup control centre of SCADA-EMS for the Load Despatch Centres of the North Eastern Region (NER), for each of the seven NER states, were submitted to PSDF Committee for approval on 16th August 2024.

Following multiple discussions in the 86th, 87th, 88th, and 89th TESSG meetings, and based on TESSG's direction, NERLDC prepared a cost estimate for the upgradation of SCADA/EMS proposals for the states of



NER. This estimate was based on the latest Letter of Award (LoA) available, which was for SLDC Tamil Nadu.

NERLDC submitted these cost estimates via email on May 2, 2025, applying a 30% cost escalation on the SCADA/EMS project cost of SLDC, Tamil Nadu. These estimates were subsequently discussed in the 90th Meeting of the TESC of PSDF, held on May 2, 2025.

As per minutes of 90th meeting released on 28th May 2025, TESC sought following directions on SCADA Proposals of NER states from Appraisal Committee of PSDF:

- i. Direction on the 30% escalation considered on the LoA costs of SCADA/EMS project of SLDC, Tamil Nadu.
- ii. Direction on mandatory spares which are considered in the range of 7.51% to 8.51% for these proposals.

In the 29th NERPC Meeting held on 18th July 2025, Member (GO&D), CEA, apprised the forum that the matter has been referred by monitoring committee to form a joint committee, comprising of Member (GO&D) CEA, CMD, Grid India and JS(FA), MoP.

The meeting of the joint committee (Member (GO&D) CEA, CMD Grid-India, JS(FA) MoP) has been convened and the matter was deliberated in TESC committee and TESC committee has approved and recommended for Monitoring committee.

Deliberation of TCC

Member Secretary, NERPC informed that TESC committee has approved the proposal and recommended to Monitoring committee. He also informed that Member (GO&D), CEA will advise NERPC on this matter.

Deliberation of RPC

Member (GO&D) CEA informed that the Monitoring Committee meeting is



likely to be held in two or three weeks and he assured the forum that the proposal for NER SCADA-EMS system will be get through.

Forum noted as above.

2.5. Directions and Suggestions Issued by Hon'ble CERC Vide Order Dated 05.10.2025 in Suo Motu Petition No. 9/SM/2024

The Hon'ble Commission had issued Order in Suo Motu Petition No, 9/SM/2024 on 05.10.2025 in the matter of “Planning for safe, secure, and reliable integrated operation of the power system during critical periods arising on account of seasonal variations wherein the electricity demand increases rapidly by undertaking specific measures to mitigate the risks on the power system under clause (h) of sub-section (1) of Section 79 of the Electricity Act, 2003 and the Regulation 31 of the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2023.”

The directions and suggestions are as follows:

(a) Adequacy of Workforce in SLDCs

- Ensure the availability of adequate number of manpower as per their current sanctioned strength
- Deliberate on actions required to augment manpower as per MoP's Workforce Adequacy Guidelines.
- Identify gaps in key functional areas such as market operation, IT, communication, and cyber-security.
- Consider formulation of a dedicated HR Management and Development Policy aimed at structuring the movement of officers in specialized functions without disrupting operations and ensuring smooth staffing, structured job rotation, minimum tenure and continuous skill development of personnel.
- Measures to ensure financial autonomy to SLDCs through a separate tariff determination of SLDC Fees & Charges by SERCs



- Possibility of establishing a separate cadre system for SLDCs may also be explored

(b) Training and Certification of SLDC staff

- Ensure that adequate workforce is trained and certified annually to enhance operational competence.
- Discuss mechanisms to retain trained staff within SLDCs and introduce incentives for certified personnel under SLDC Fee & Charges.
- Review proposal for structured capacity-building programs to be organized by RLDCs in collaboration with NLDC.

(c) Alignment of State Grid Code with the Indian Electricity Grid Code (IEGC-2023)

- Review existing provisions of the State Grid Code and state SERCs may align their respective State Grid Code with the 2023 Grid Code of CERC.

(d) Backing down of intra-state thermal generating units

- States' generators to hold interactive sessions with ISGS (e.g.NTPC) to address operational issues.
- Enable backing down of thermal units to 55% MTL to free additional down reserves.
- Develop part-load compensation mechanisms and explore two-shift operations considering high RE integration.

(e) Enablement of AGC in Intra-State Generating Stations

- SLDCs to encourage generators to enable Automatic Generation Control (AGC).
- SERCs to provide suitable incentives in line with CERC regulations.
- Benefits:
 - (a) Generators earn revenue from AGC operations.
 - (b) States can maintain reserves within their boundaries.



- Until enablement of AGC provisions in the State, state generators can participate in Central SRAS.

(f) Maintaining Adequate Reserves

- From 1st April 2026, NLDC will begin maintaining reserves on a state-wise basis; however, this could prove costly for states, as NLDC may need to maintain reserves in costlier gas-based plants.
- States are urged to maintain their own reserves. States are required to meet the expected demand as well as keep the necessary reserve.
- It was directed to review the quantum of reserves allocated to North-Eastern Region states. Therefore, committee has been formed within GRID-INDIA to review the quantum of reserves allocated to the NER states.

(g) Two Shift Operation of thermal generating stations

- States should also work towards enabling two-shift operation of intra-state thermal generating stations to ensure better flexibility and grid reliability

(h) Cybersecurity preparedness

- Cybersecurity is critical due to increasing digitization and cyber threats in the power sector.
- State SLDCs currently lack adequate manpower in cybersecurity.
- States should deploy sufficient staff and ensure mandatory cybersecurity training to strengthen grid resilience.

(i) Implementation of the SAMAST (Scheduling, Accounting, Metering, and Settlement of Transactions) Scheme

- Review current status of SAMAST (Scheduling, Accounting, Metering and Settlement of Transactions in Electricity) implementation.
- Identify pending activities for full automation of scheduling, accounting, and settlement processes.



Deliberation of TCC

Member Secretary, NERPC briefly highlighted the major points of the decision taken by CERC under the petition and requested all the concerned utilities to take necessary actions to ensure compliance with the same.

Regarding backing down of Intra-state thermal generators to MTL, NERLDC informed that only Assam is ~~has~~ aligned with the IEGC.

Regarding training and certification of SLDC staff, Meghalaya informed that NPTI conducts the certification exam only once a year and, given the present shortage of manpower at SLDC, requested for increasing the frequency of the exams. MS NERPC stated that the matter on training will be further taken up with Director, NPTI in OCC meetings and the matter on certification will be taken up accordingly.

Regarding enabling of AGC in Intra-state generating stations, Head of NERLDC informed that the intra-state generators can participate in the AGC system and get incentive as per the pertinent regulation.

Regarding maintenance of adequate reserves, Member Secretary, NERPC informed that a resolution was sent as decided in the 29th RPC meeting to MoP on the matter to rationalize the reserve requirement of NER. Representative of NLDC informed that a internal committee has been formed to review the reserve requirement for NER.

Meghalaya representative informed that the regulations provide for secondary control through demand response and inquired whether the same has been factored in by Grid-India in the reserve assessments. Given that ancillary services are meant for short term exigencies in the power system, it was proposed that augmentation of ADMS with specific quantum or response by entities for providing increasing demand response may be deployed by a utility. ED, NERLDC requested Meghalaya to correspond with Grid-India in this regard and representatives be nominated for a discussion on the same with the committee for reserve assessment.



Meghalaya representative also informed that considering the different ramping rates up to the desired level as per design of generators and the small demands of most NER states, deviations, however small, are inevitable for a few seconds which are reflected in the time intervals of 10 seconds in the ACE calculations.

Regarding SAMAST, Member Secretary, NERPC updated that AMC of the SAMAST is being discussed in Sub-committee meetings and it will be resolved soon.

Deliberation of RPC

On the matter of maintenance of adequate reserves (SRAS and TRAS), CMD MeECL stated that in the case of Meghalaya, 50% of additional power would be needed to be procured to maintain the reserves and it will increase the huge tariff and burden on consumer.

CGM (System Logistics), NERLDC informed that the large reserve requirement may be due to consideration of 99 Percentile of deviation. He further informed that a committee has been formed to review the reserve requirement for NER States and they are likely to consider 95 Percentile deviation.

It was suggested that NER States may provide their views to NERLDC which may be submitted by NERLDC to the Committee formed by CERC/NLDC for consideration.

NERPC forum noted as above.

2.6. Vulnerable tower locations in various transmission lines due to earth cutting/road development by NHIDCL - Powergrid

Brief:



The ongoing NHIDCL road widening project (NH-37) in Manipur & Assam has impacted above transmission lines critically. Despite several correspondences, NHIDCL has not adhered to the Standard Operating Procedures (SOPs) prescribed by the Ministry of Power and earth cutting/road development is being continued by NHIDCL without permission of POWERGRID. Similar issue was also discussed in 28th TCC & NERPC meeting. Details of vulnerable tower locations are as under:

- a) 132 kV Loktak-Jiribam S/C transmission line
 - Tower location Nos. 18, 76, 85, 89, 129, 130, 133 (7 Nos.)
 - Location No. 82 was damaged on 08.08.2025 due to landslide caused by earth cutting and subsequently collapsed and line became out of service. Same was restored subsequently on 05.09.2025 by carrying out direct stringing between location no. 81 & 83 and doing huge benching work on war footing basis.
 - Joint meeting with Commissioner Power (Govt of Manipur), NHIDCL, MSPCL carried on by POWERGRID on 06.08.25, where it was advised by Commissioner (power), Manipur for joint survey for all vulnerable locations. Joint survey done from 11.08.25 to 14.08.25 and report signed on 03.09.25.
- b) 400 kV Silchar Imphal D/C transmission line
 - Tower location Nos. 201, 231, 293, 306, 335, 423 (6 Nos.)
 - Joint meeting with Commissioner Power (Govt of Manipur), NHIDCL, MSPCL was carried out by POWERGRID on 06.08.25 and Commissioner (Power), Manipur advised for joint survey for all vulnerable locations. Joint survey done from 11.08.25 to 14.08.25 and report signed on 03.09.25.
 - 3 nos vulnerable locations (Loc-293,335 & 423) not agreed by NHIDCL even though distance from tower leg to cutting edge/landslide is only 5-6 mtr.
- c) 132 kV Haflong-Jiribam S/C transmission line
 - Tower location No. 256 has become vulnerable



- Diversion proposed between tower locations 237-246 and 253-259 (as per joint visit with NHIDCL)
- Cost estimate submitted to NHIDCL in the year of 2023.

Proposal

- Estimated cost of rectification / diversion of transmission lines is approx. Rs. 50 Cr.
- If timely action is not taken, the potential failure of these lines could lead to severe power disruptions across Manipur & Assam and accident may occur.
- NERPC's urgent intervention is requested to take up the matter with NHIDCL to halt excavation work/road development work near tower locations without permission of POWERGRID.
- In the meantime, POWERGRID is going ahead with rectification/diversion based on criticality of tower locations in the interest of safety of transmission lines. Further, the matter of recovery of expenditure incurred for the diversion of critical towers is currently being pursued with M/s NHIDCL.

Deliberation of TCC

ED, NERTS informed that they are taking up the matter with NHIDCL for compensation and complying with the SOP of MoP.

Member Secretary, NERPC advised PowerGrid to place the matter before Member (PS), CEA.

RPC deliberation:

Member (Power System) CEA informed that such matter is being discussed and resolved at CEA level. A SOP on this matter is already in place. PGCIL was instructed to raise this matter to Power System wing, CEA to address the issue.

NERPC forum noted as above.



2.7. Violation of ground clearance on various tower locations due to road development project by NHIDCL-- Powergrid

Violation of ground clearance noticed due to road development project by NHIDCL:

a) 400 kV Silchar – Melriat D/C transmission line (Charged at 132 kV)

- Ground clearance violation locations are 43-52, 65-68, 70-72, 122-125.

b) 400 kV Silchar-Imphal D/C transmission line

- Ground clearance violation locations are 49-59, 64-67, 192-193.
- These violations pose a serious safety hazard, increasing the risk of potential accidents involving personnel and the public. If timely action is not taken, it may lead to significant threat & hazard to both human life and material assets.
- NERPC's urgent intervention is requested to take up the matter with NHIDCL to halt road development work near tower locations without permission of POWERGRID.

In the meantime, POWERGRID is going ahead with rectification/ diversion based on criticality of tower locations in the interest of safety of transmission lines. Further, the matter of recovery of expenditure incurred for the diversion of critical towers is currently being pursued with M/s NHIDCL.

Deliberation of TCC

ED, NERTS, informed that they are taking up the matter with NHIDCL for compensation and complying with the SOP of MoP.

MEMBER SECRETARY, NERPC advised PowerGrid to place the matter before Member (PS), CEA.

Deliberation of RPC



Member (Power System) CEA informed that such matter is being discussed and resolved at CEA level. A SOP on this matter is already in place. PGCIL was instructed to raise this matter to Power System wing, CEA to address the issue.

NERPC forum noted as above.

2.8. Comprehensive AMC (C-AMC) of SCADA/EMS system for SLDCs of NER States - NERPC

The current SCADA/EMS system at NER SLDCs was commissioned during the period of 2015-2016 with seven years AMC and optional two-year extension (7+2-year AMC). The 7+2 year AMC of SLDC Assam, SLDC Manipur, SLDC Meghalaya, SLDC Mizoram and SLDC Tripura are already expired.

SLDC Assam awarded the fresh C-AMC in February 2025 at an cost of ₹ 2.04 Cr (excluding Taxes) for Two year i.e., till November 2026.

During the 32nd NeTEST Meeting held on 29th August, 2025, Tripura and other North Eastern Region (NER) States expressed concern about the exorbitantly high prices of Annual Maintenance Contract (AMC) quoted by M/s GE Vernova for the existing SCADA. M/s GE Vernova quoted ₹ 2.71 Cr (excl. GST) for SLDC Meghalaya. Whereas, M/s GE Vernova quoted ₹ 3.66 Cr (excl. GST) for SLDC Tripura.

Accordingly, it was decided to convene a special meeting at Guwahati with the M/s GE Vernova to resolve the pending issues pertaining to the AMC for SCADA Project of the NER States.

A special meeting was convened under Chairmanship of Member Secretary, NERPC on 6th November, 2025 at the NERLDC Conference Hall, Guwahati, to deliberate on the award of the Comprehensive Annual Maintenance Contract (C-AMC) for the existing SCADA/EMS System of the North Eastern Region (NER) States.



During the meeting, the negotiated AMC Price finalised to ₹ 2.14 Cr (excl. GST) for SLDC Manipur, SLDC Meghalaya, SLDC Mizoram and SLDC Tripura. The detailed deliberation and scope of work is attached as Annexure Add_3.

TCC/RPC forum may deliberate & approve the proposal so that SLDC Manipur, SLDC Meghalaya, SLDC Mizoram and SLDC Tripura can initiate process of the fresh award of Comprehensive AMC (C-AMC) of SCADA/EMS system for a further period of two years from expiry of 7 + 2 years AMC of respective SLDCs.

Deliberation of TCC:

Member Secretary, NERPC apprised that NERPC secretariat has already conducted special meeting with Vendor and State SLDCs on this matter. The AMC Price has been finalised at ₹ 2.14 Cr (excl. GST) for SLDC Manipur, SLDC Meghalaya, SLDC Mizoram and SLDC Tripura. These States are advised to place the AMC within two to three months after taking approval from their higher authorities.

Member Secretary, NERPC stated that the matter will be taken up in NERPC meeting for approval of higher authorities of states.

Deliberation of RPC

NERPC forum endorsed the views of TCC forum.

2.9. Constitution of Committee for Change in Law (CIL) & Force Majeure (FM) Claims of TSPs - NERPC

Joint Secretary (Trans) has sent DO letter to CEA and CTUIL regarding Constitution of "Committee for Change in Law (CIL) & Force Majeure (FM) Claims of TSPs.



In this regard, nominations from Assam and Meghalaya DISCOMs are required at the earliest.

Deliberation of TCC:

Meghalaya informed that Shri B. Nikhla, CE, MePDCL has been nominated to the committee.

Assam informed that the nomination will be provide in the NERPC meeting.

Deliberation of RPC:

Assam state also provided the nomination in NERPC meeting. MS NERPC stated that this nomination will be sent to within two or three days on priority by NERPC Secretariat.

2.10. Request to expedite the approval of State Reliable communication Scheme of Assam under PSDF funding:

The Guwahati Islanding Scheme DPR was prepared in two parts, i.e. Islanding Scheme (Hardware & Software part) and Communication Infrastructure part which is required for successful implementation of Guwahati Islanding Scheme. However, it was advised by TESG of PSDF to include the communication Infrastructure part of the Guwahati Islanding Scheme under State Reliable Communication Scheme of Assam. Subsequently, AEGCL submitted relevant reply to the queries of TESG committee on 12th June 2025. PSDF has acknowledged it in their monthly status update that input has been received from AEGCL on 12th June, 2025. Subsequently, nearly four (4) numbers of TESG meeting were held but the DRP of State Reliable Communication Scheme of Assam has not been discussed/deliberated. The last four (4) monthly statements of PSDF TESG meeting mentioning the status for Schemes submitted by the entities for funding from PSDF is herewith attached as Annexure-Add_2 as reference.



In order to successfully implement the Guwahati Islanding Scheme, the approval of State Reliable Communication Scheme of Assam is very much necessary.

Forum is requested to take up the matter appropriately for approval of the same at the earliest.

Deliberation of TCC:

CGM, SL, NERLDC informed that all the necessary documents pertaining to comments received from the TESG committee of PSDF had already been submitted on 12th June 2025. Subsequently, there were four (4) successive TESG meetings held but the same proposal could not be deliberated for necessary funding. He further added that the communication strengthening is essentially required for successful implementation of Guwahati Islanding scheme.

Forum referred to NERPC for further deliberation and course of action.

Deliberation of RPC:

Member (GO&D), CEA inquired whether Assam state has availed any projects under Reliable communication scheme. Assam State informed that they have not availed the fund under Reliable Communication scheme. Member (GO&D) stated that they are eligible under the scheme and DPR can be sent to PSDF committee by stating the above facts.

Forum noted as above.

2.11. Creation of “Training head” under NERPC Establishment Fund for training purpose for the constituents

NERPC has proposed the creation of a dedicated “**Training Head**” under the 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.

Deliberation of TCC:

Member Secretary, NERPC informed that training head has already been approved in 29th NERPC meeting.

Deliberation of RPC:

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).

NERPC forum noted as above.

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

As stated in clause 3(j) of 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. In addition, Cyber Security Operation Center is



to be utilized for identifying unauthorized access to “Protected System”, and unusual and malicious activities on the “Protected System”, by analysing the logs on regular basis. The records of unauthorized access, unusual and malicious activity, if any, shall be documented.”

It is to be noted that 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 decided in the meeting held under the chairmanship of Secretary (Power) on ‘Review of Cyber Security in Power Sector’ held on 21.03.2025 The SOC proposals that are submitted under the PSDF-funded scheme should be revised to include indigenous SOC, NOC solutions and a 5-year Annual Maintenance Contract (AMC).

Further, CSIRT-Power has finalised a Model BOQ for PSDF funding of Indigenous SOC (including Indigenous NOC) Projects at SLDCs which has already been circulated to the states.

In light of the above decisions and guidelines, it is requested to the state SLDCs to prepare the DPR for the SOC with integrated NOC and submit to the PSDF committee at the earliest.

The matter was deliberated in 29th TCC and NERPC meetings wherein all the states were urged to prepare DPR accordingly and send the DPR to PSDF Secretariat at the earliest. Subsequently Model DPR has been circulated by NERPC Secretariat to NER States.

Deliberation of TCC

State utilities provided the update as follows –

State	Current status
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Ar. Pradesh	Received quotation for SOC but quotation yet to be received for NOC
Assam	Revised DPR submitted
Manipur	Draft DPR prepared by SLDC, under review by Planning division
Meghalaya	To be prepared by Dec'25
Mizoram	Received quotation from 3 vendors, DPR preparation underway
Nagaland	Under preparation
Tripura	Under preparation

Member Secretary, NERPC requested state SLDCs to prepare and send the DPR to PSDF by Jan'26. For any assistance required, Assam and NERPC team will be supporting on this matter. Further he stated that the matter will be regularly followed up in NETEST meetings of NERPC.

Deliberation of RPC:

NERPC forum endorsed the views of TCC.

2.13. Deployment of Mobile Bays for Emergency Restoration of EHV Systems - PGCIL

The North Eastern Region (NER) has frequently experienced outages of substations, generating stations, and Extra High Voltage (EHV) transmission elements due to natural calamities. Restoration efforts are often hindered by challenging terrain, limited vendor responsiveness, and logistical constraints, particularly in remote areas. This issue was deliberated during the 21st NERPC meeting held on 3rd–4th February 2021, where it was approved to procure one 220kV and one 132kV mobile bay to be maintained as regional spares for emergency deployment.

In line with NERPC's approval, POWERGRID has procured one 220kV and one 132kV mobile GIS bay for the NER and 220kV mobile bay is being



dispatched. This unit will be under a one-year warranty period as per provisions of contract. As presently there is no requirement of mobile GIS in NER, now to ensure the operational readiness and identify various issues which may crop up during installation, it is required to test this mobile GIS in some other station where this can be put on use for certain period. Further this test setup will help to identify the teething troubles and also work as training ground for asset management personnel both for POWERGRID and other constituents. Therefore, it is proposed to deploy at a suitable location where it can be suitably tested.

Due to the absence of suitable ongoing projects in the NER, it is proposed to temporarily deploy 220kV mobile GIS bay at suitable location in the Rajasthan region, where multiple projects are underway. This will facilitate:

- Performance validation of the mobile GIS bays.
- Timely identification and resolution of any technical issues.
- Hands-on training and operational exposure for NER utility personnel.

Two (2) persons from each constituent may be nominated for onsite training.

It is proposed to divert the 220kV mobile GIS bay to Rajasthan for installing and performance assessment. Further, NER utilities can depute concerned officials (two from each constituents) to the installation site for training and operational familiarization.

Placed for information of TCC/NERPC.

Deliberation of TCC

Representative of Powergrid informed that they have already procured 220kV mobile bay and deployed at Bikaner, Rajasthan for testing purposes. He further requested all the States of NER to nominate 2 persons at site to get hands on experience.

Member Secretary, NERPC requested all the beneficiaries to utilise the opportunities and nominate suitable officers at PowerGrid site.



Deliberation of RPC:

Director (PGCIL) requested all NER State/Utilities to send their nominations to witness the 220kV mobile bay installation and performance assessment.

Forum noted as above.

2.14. Re-conductoring & strengthening of 132kV Transmission Lines of AEGCL by HTLS Conductor along with Terminal equipment to avoid overloading - AEGCL

The DPR of "Re-conductoring & Strengthening of 132kV Transmission Lines of AEGCL by HTLS Conductor (260.76 Cktkm) along with Terminal equipment to avoid overloading" was also approved in the 89th TES Meeting on 29th April 2025 at total estimated cost of ₹ 159.58 crores (including GST). However, the formal sanction for the said project is still awaited.

It is pertinent to mention that several transmission lines in the AEGCL network are old and presently overloaded. Studies (approved by CEA) indicate that at least 28 transmission lines require strengthening using HTLS conductors. Out of these, AEGCL has identified 10 of the most critical and vital transmission lines requiring immediate strengthening and reconductoring. Accordingly, the DPR for upgradation of these 10 transmission lines to HTLS conductors was submitted to NLDC on 21.03.2025 with an estimated cost of Rs. 160.59 Cr. for funding under PSDF. Strengthening these lines is very much essential to enhance the transmission capacity, reliability, and stability of the AEGCL grid network.

Deliberation of TCC

Member Secretary NERPC stated that the matter will be taken up with Member, GO&D, in NERPC meeting.



Deliberation of RPC:

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 project will be get delayed for waiting under PSDF fund. State can execute this project from own resources or other funds.

Forum noted that this project, being important, and other critical projects may also get delayed due to fund constraints in PSDF fund. So, by considering the poor financial health of NER States, it has been decided to make the comprehensive proposal by inclusion of Critical projects which are important for NER grid reliability and grid improvement point of view and 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.

**2.15. 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.

Deliberation of RPC

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 the 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.



3. PART-B: ITEMS FOR APPROVAL

3.1. Inclusion of HPX in various NERPC forum as non-member Participants

Hindustan Power Exchange Ltd. (HPX) is one of the prominent entities in the Indian power market. It commenced operations in July 2022 after obtaining the requisite approval of the Central Electricity Regulatory Commission (CERC). Subsequently, HPX, vide its letter No. HPX/CEA dated 13th August 2025 (attached at Annexure 5.1.1), has requested the Chairperson, Central Electricity Authority (CEA), to allow HPX to participate in the Regional Power Committee (RPC) deliberations as a non-member participant. Considering that inputs from the powermarket can provide valuable insights and prove beneficial to all constituents of NERPC; Accordingly, it is proposed that Hindustan Power Exchange Ltd. may be included as a non-member participant in various NERPC forums.

As deliberated in the 56th CCM (deliberation enclosed at **Annexure 4.2**) where the forum agreed in principle for inclusion of HPX in NERPC forums as a non-member participant. Hence, the matter has been placed before the TCC forum for further deliberation.

Deliberation of TCC

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.

Deliberation of RPC:

RPC endorsed the decision TCC forum.



3.2. Requirement of Additional Software module for Implementation of CERC Regulations and Smooth Processing of Commercial Accounts

With the recent amendments in regulations, certain provisions such as compensation due to part-load operation of generating stations, preparation of RTDA (Regional Transmission Deviation Account), and issuance of REA (Regional Energy Account) have necessitated modification or additional module in the existing commercial accounting software suite. These changes are essential to ensure accurate computation, smooth processing, and timely issue of commercial accounts in compliance with the revised framework.

In view of the scope and complexity of the amendments, the existing AMC support hours are insufficient to accommodate the additional development, testing, and validation efforts required. Enhancement of AMC support has therefore become necessary to incorporate the mandated changes in coordination with the software vendor. This will also ensure timely resolution of issues, continuity of operations, and avoidance of delays in commercial settlements.

Accordingly, it is proposed that additional Software or AMC support hours may be approved for implementation of the required changes and for strengthening the system to handle future amendments effectively.

As deliberated in the 56th CCM, the matter is to be placed before the TCC forum for approval.

Deliberation of TCC

Member Secretary, NERPC, briefed the Forum on the requirement of additional modules of software for preparation of various commercial accounts at the NERPC Secretariat. He further informed that the implementation of the Unified Accounting Software is expected to take another 2 years, and in the meantime, to comply with the prevailed CERC regulations, the NERPC Secretariat requires additional software modules.



The approximate cost of the proposed additional software modules is around ₹ 4.5 lakhs. After due deliberation, the Forum agreed to proposal of the NERPC Secretariat for procurement of the additional software modules.

Deliberation of RPC:

RPC concurred the decision of TCC forum.

3.3. Approval for procuring service for deployment of 13 no. of outsource staff and 09 nos. Security Staff for NERPC Secretariat

The North Eastern Regional Power Committee (NERPC) Secretariat was established under Parliamentary Resolution No. 23/1/2004-R&R and its subsequent amendments to facilitate power sector-related activities in the North Eastern Region. As per CEA Order No. CEA-SY-13-30/1/2023-Adm. (Coord.) dated 29/01/2024, the revised non-CPES officials sanctioned strength of the NERPC Secretariat is 12, out of which 4 posts are presently vacant.

To ensure continuity of work and to discharge essential functions in the absence of regular staff, NERPC has been engaging outsourced personnel. At present, 9 outsourced staff of various skill sets are deployed. Further, to ensure the safety and security of the property, employees, visitors, and all physical assets within the office NERPC secretariats has deployed total 8 no. of Security guard vide order Contract and same will expire on 30/11/2025.

An internal committee has been formed vide Office order no. NERPC/Order/2025/1818-1820 dated 19/08/2025 to assesses the present requirement of Office outsourced staff and security personal. Following was recommended by the committee.

1. The committee has assessed the present manpower requirement and recommends that a fresh contract may be finalized for providing 13 nos. of outsource staff based on the requirement of the office.



2. The committee has assessed the present Security Staff requirement and recommends that a fresh contract may be finalized for providing 09 nos. of Security staff based on the requirement of the office

The monthly recurring expenditure for providing 13 nos. of outsource staff is estimated around ₹ 4 lakhs, which will be met from the NERPC Establishment Fund.

The monthly recurring expenditure for providing 9 nos. of security staff is estimated around ₹ 3.75 lakhs, which will be met from the NERPC Establishment Fund.

In line with the prescribed procurement procedure, service for deployment of 13 no. of outsources staff and 09 nos. Security Staff for NERPC Secretariat would be procure through the Government e-Marketplace (GeM) portal.

Deliberation of TCC

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.

Deliberation of RPC:

RPC endorsed and concurred the decision TCC forum.

3.4. Approval of Technical Specification, Bill of Quantity (BoQ) and Technical QR in view of Implementation of Guwahati Islanding Scheme - NERLDC

Following the sanction of PSDF fund for Guwahati Islanding Scheme project, NERPC forum in the 229th OCC Meeting held on 22nd August 2025, a



committee was constituted for preparation and finalization of the Technical Specification and detailed BoQ for the Guwahati Islanding Scheme, with the mandate to submit the report/documents by 15th October 2025.

Accordingly, the NERLDC team has prepared the draft Technical Specification, BoQ and Technical QR for the Guwahati Islanding Scheme.

The committee meetings were convened twice through online mode on 12th September 2025 and 25th September 2025 along with several round of verbal discussion with the committee members to review and refine the documents. The same documents (draft) were subsequently circulated to all stakeholders on 25th September 2025 for their comments and feedback.

Subsequently, comments received from POWERGRID, NTPC-Bongaigaon, and MRT team of AEGCL which have been duly addressed and incorporated in the final version.

On behalf of the Committee, the final report/documents comprising the Technical Specification, BoQ and Technical QR for the Guwahati Islanding Scheme was submitted to NERPC through mail dated 04th November 2025 and the same was discussed and approved in the 232nd OCC meeting held on 07th November 2025.

The Technical Specification, BoQ and Technical QR for the Guwahati Islanding Scheme is hereby submitted for approval of TCC/RPC forum, attached as Annexure-Add_1.

Deliberation of TCC

NERPC apprised the forum that a committee was formed for finalisation of Technical Specification, Bill of Quantity (BoQ) and Technical QR and the committee has submitted the report for approval.

TCC forum approved the report and reaccommodated for approval of NERPC.



Deliberation of RPC:

RPC approved the decision of TCC forum.

3.5. Improvement of Switchyard Earthing System at the following Power Stations of MePGCL -MePGCL

- i) Umiam Stage-I Power Station, MePGCL, Sumer (4 X 9 MW)**
- ii) Umiam Stage-II Power Station, MePGCL, UmSumer (2 X 18 MW)**
- iii) Umiam-Umtru Stage-IV Power Station, MePGCL, Nongkhylllem (2 X 30 MW)**
- iv) MyntduLeshka Hydro Power Station, MePGCL, Suchen (3X 42 MW)**

Explanatory Note:

The proposal envisages improvement of Switchyard Earthing System at different Power Station of MePGCL by construction of new earth pits and installation of connecting bars between the new earth pit and different elements etc with an ultimate aim to improve system stability as the revamping of the earthing system is felt extremely necessary to minimise the damage of critical terminal equipments like Current transformers. Circuit breakers, Lightning Arrestors etc along with safeguarding the equipments such as SCADA, RTU and other communication systems as the Power Stations of MePGCL are located in high lightning prone areas and improvement in the earthing system is envisaged for enhancing system stability by reducing the failure rate of such critical equipments and components.

This proposal was placed during the 28th TCC meeting at Guwahati wherein it was referred to the Sub Committee meeting for subsequent discussions/deliberations etc.



In the 224th OCC meeting, it was appraised that this proposal does not fall under the purview of PSDF Guidelines. However, it is again requested by MePGCL to consider this proposal under clause 5.1 (c) “installation of standard and special protection schemes” which seems to be as per the revised guidelines of PSDF received on 12th March-2024 and in line with the objective of PSDF towards bringing in the **improvement and reliability of Indian Power System**. In this regard, it is also to be mentioned that similar proposal has been approved under PSDF for our transmission utility which is MePTCL and the LOA was accordingly placed by MePTCL on 20th December-2018.

Tentative Cost – Rs 3.00 Crore approx.

Due to lack of fund constraint and considering the importance of the proposal with regards to improving the system stability and strengthening of the basic protection scheme, MePGCL is requesting this forum to reconsider recommending the funding of this project from PSDF.

Deliberation of TCC

Member Secretary, NERPC stated that the matter was deliberated in 232nd OCCM and it was agreed that the proposal may be covered under existing PSDF guidelines. Forum agreed to the proposal, for funding under PSDF, and referred the matter to NERPC for further approval.

Deliberation of RPC:

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 project will get delayed for waiting under PSDF fund. Therefore, the State can execute this project from own resources or other funds.

Forum noted that this project and other critical projects may also get delayed due to fund constraints in PSDF fund. So, by considering the poor



financial health of NER States, it has been decided to make the comprehensive proposal by inclusion of Critical projects which are important for NER grid reliability and grid improvement point of view and 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 a special dispensation through PSDF or any other fund.

3.6. Implementation of Digital Tele-Protection Coupler (DTPC) in all 132kV Feeders of MSPCL -MSPCL

To improve reliability, speed, and coordination of protection and auto-reclose schemes, implementation of Digital Tele-Protection Coupler (DTPC) across all 132kV feeders has become a necessity. The DTPC will integrate with IEC 61850-based numerical relays or Substation Automation Systems (SAS), thereby ensuring fast, secure, and reliable exchange of protection and auto-reclose commands between substations. These systems facilitate carrier-aided protection schemes (such as permissive tripping and blocking) and voice/data communication between substations. Implementing DTPC will enable fast transmission of trip/transfer trip/blocking signals, reducing fault clearing time and improving system stability, enhance Auto-Reclose (A/R) Operation as DTPC ensures synchronous and dependable auto-reclose coordination between line ends by providing high-speed, fail-safe communication of breaker status and reclose commands. This minimizes the risk of unsuccessful or out-of-sync reclosures and enhances system stability after transient faults.

In recent years, Optical Ground Wire (OPGW) networks are being laid and commissioned in almost all of the 132 kV transmission lines of MSPCL, providing a robust and high-bandwidth communication backbone. This existing OPGW infrastructure can be effectively utilized for easy and



practical implementation of DTPC systems, without major additional investment in communication media.

As per Guidelines on Availability Of Communication Systems prepared in Compliance To Central Electricity Regulatory Commission (Communication System for inter-State transmission of electricity) Regulations, 2017, January 2024, Clause No. 3.1 **As per Regulation 5 (i) of the CERC (Communication System for inter-State transmission of Electricity), Regulations, 2017, “These regulations shall apply to the communication infrastructure to be used for data communication and tele -protection for the power system at National, Regional and inter-State level and shall also include the power system at the State level till appropriate regulation on Communication is framed by the respective State Electricity Regulatory Commissions.”** MSPCL requests NERPC’s endorsement and support for implementing Digital Tele-Protection Couplers (DTPC) in all 132kV feeders across Manipur. This will strengthen protection coordination, auto-reclose performance, and overall reliability of the State Transmission Network, aligning with the modernization goals of the North Eastern Regional Power System.

Deliberation Required:

- Approval in principle from NERPC/TCC for statewide DTPC implementation.
- Recommendation for funding support under PSDF or other Central schemes
- Coordination with CTUIL/CTU and neighboring utilities for interoperability and standardization of DTPC protocols and A/R communication logic.

Deliberation of TCC

Member Secretary, NERPC stated that the matter was deliberated in 232nd OCCM and it was agreed that the proposal may be covered under existing



PSDF guidelines. Forum agreed to the proposal, for funding under PSDF, and referred the matter to NERPC for further approval.

Deliberation of RPC:

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 project will be get delayed for waiting under PSDF fund. State can execute this project from own resources or other funds.

Forum noted that this project being important and other critical projects may also get delayed due to fund constraints in PSDF fund. So, by considering the poor financial health of NER State, it has been decided to make the comprehensive proposal by inclusion of Critical project which are important for NER grid reliability and grid improvement point of view and 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 .

3.7. DPR for Implementation of Digital Substation Control Protection & Substation Automation at LTPS, NRPP & KLHEP System of APGCL

Implementation of Digital Substation Control Protection & Substation Automation at LTPS, NRPP & KLHEP System of APGCL. APGCL has submitted the DPR for Implementation of Digital Substation Control Protection & Substation Automation at LTPS, NRPP & KLHEP System of APGCL. This scheme will yield a reduction in operating costs and an increase in reliability, flexibility of the power system and further integration of protection & control events to accelerate response to problems. The DPR was placed before 29th TCC & RPC for approval, wherein the forum referred



to sub-committee for further deliberation. Subsequently the matter was placed in 228th OCC meeting held on 25th July 2025 wherein the forum agreed in principle for the same for implementation under PSDF.

Deliberation of the 228th OCCM on the matter-

“APGCL representative informed that the estimated cost of the project is 23.8 Cr. After deliberation, the forum observed that the scheme is eligible for funding under the extant of PSDF guidelines. The forum in principle agreed for the same for implementation under PSDF funding. The forum advised APGCL to send the DPR to PSDF secretariat after getting approval from ensuing RPC meeting.”

The DPR is placed herewith for approval of the TCC NERPC forum.

Deliberation of TCC

The representative of APGCL briefed the forum on the upcoming works for Implementation of Digital Substation Control Protection & Substation Automation at LTPS, NRPP & KLHEP System of APGCL. After detailed deliberation, the Forum recommended the Implementation of Digital Substation Control Protection & Substation Automation at LTPS, NRPP & KLHEP System of APGCL under PSDF funding.

Deliberation of RPC:

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 project will be get delayed for waiting under PSDF fund. State can execute this project from own resources or other funds.

Forum noted that this project being important and other critical projects may also get delayed due to fund constraints in PSDF fund. So, by considering the poor financial health of NER State, it has been decided to make the comprehensive proposal by inclusion of Critical project which are important for NER grid reliability and grid improvement point of view and 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.

3.8. Installation of OPGW on the existing ISTS lines in NER region - CTUIL

The agenda for installation of OPGW on the existing lines of ISTS has been discussed in the 32nd NETeST meeting held on 29.08.2025. The tentative length of OPGW proposed in the agenda is approx. 16,555 kms for Pan-India. The tentative length of OPGW proposed in NER Region is approx. 290 kms.

In the 32ndNETeST meeting, the forum in principle agreed for the OPGW scheme for NER region.

Deliberations were also held in the 32nd NETeST regarding OPGW status on 220kV Kathalguri-Mariani (AEGCL) line in NER.

Further, confirmation of non existence of OPGW on the 220kV Kathalguri-Mariani (AEGCL) line was received from POWERGRID vide mail 06.10.2025. Accordingly, scheme for laying of OPGW on existing ISTS lines where in OPGW isn't present is being prepared on Pan-India basis and for NER the scheme is mentioned below:

S. No.	Items	Details
1.	Scope of the scheme	a) Supply and installation of OPGW (48F) on 400kV P K Bari (Indigrid) - Silchar (POWERGRID) line (approx. 127km, line owned by POWERGRID). b) Supply and installation of OPGW (48F) on 220kV Kathalguri (NEEPCO)-Mariani (AEGCL) line (approx. 163 km, line owned by



		POWERGRID) c) Supply and installation of required FOTE STM-16 and optical interfaces for the commissioning of above mentioned fiber optic links as per Appendix-I.
2.	Depiction of the scheme	As per Appendix II and III.
3.	Objective / Justification	In the present scenario of increased RE penetration, frequent system expansion and strengthening, many of the existing lines are proposed for LILO frequently during transmission planning. However, it has been observed many times during planning/execution of these LILO systems that main line is not having OPGW, which leads to issues such as compromising on the alternate path/ redundancy/ protection. Further, installation of OPGW on the existing lines being LILOed leads to time mismatch. Accordingly, NCT advised CTUIL to prepare a comprehensive scheme for installation of OPGW on all those transmission lines of 110kV and above which don't have OPGW on pan-India basis. In NER region, it has been found that below mentioned ISTS lines don't have OPGW. a)400kV P K Bari-Silchar line. b)400kV Binaguri (PG) – Alipurduar -Bongaigaon (PG) line c)220kV Kathalguri-Mariani (AEGCL) line This agenda was further discussed in 8th NER CPM meeting held on 28.07.2025 wherein



		members agreed for laying the OPGW in NER region for the ISTS lines not having OPGW. Further, POWERGRID confirmed that the 400kV P K Bari-Silchar line doesn't have OPGW. Indigrid confirmed that 400kV Binaguri(PG)-Bongaigaon(PG) doesn't have OPGW. However, this line is LILOed at Alipurduar S/s (PG). Further, Alipurduar-Bongaigaon line is planned to be bypassed at Bongaigaon S/s under NERES-XXV Part-A scheme and to be integrated with upcoming Bornagar-Bongaigaon line (upto Bypass point) with 24F OPGW to form Bornagar-Alipurduar line. Accordingly, proposal for OPGW laying on Binaguri-Alipurduar-Bongaigaon (upto bypass point) excluding LILO portion shall be taken up in ER region. Since this line is an Inter-Regional line OPGW laying on the line shall also be deliberated in the ERPC meetings as suggested in the 32nd NETeST meeting. POWERGRID has confirmed that the 220kV Kathalguri-Mariani (AEGCL) line doesn't have OPGW. Relevant email correspondence with POWERGRID and Indigrid is attached as Annexure A. In view of above, this scheme for OPGW laying in NER has been prepared for below mentioned lines: a)400kV P K Bari-Silchar line. b)220kV Kathalguri-Mariani(AEGCL) line.
4.	Estimated Cost	17.81 Cr.
5.	Implementation	Thirty (30) months from date of allocation. (taking



	time frame	into consideration the hilly terrain of NER region)
6.	Implementation agency	To be implemented by POWERGRID in RTM mode.
7.	Deliberations	This agenda has been discussed in 16th NPC dtd 04.07.2025(MoM attached as Annexure B). NPC suggested that the proposal for installation of OPGW on the existing lines of ISTS may be put in upcoming RPCs/NCT meeting for deliberation. STU may also put up the scheme for OPGW on existing lines in respective RPCs. Accordingly, the agenda was discussed in 8th NER CPM dtd. 28.07.2025 (MoM attached as Annexure C). Further, this agenda was discussed in the 32ndNETeST meeting held on 29.08.2025, in the meeting <u>it was deliberated that the forum advised CTU regarding the OPGW implementation, the details regarding the mode of implementation and financial estimates for above ISTS lines shall be worked out and shared with NERPC. Further suggested to obtain confirmation from the ER Region for the portion of 400 kV Binaguri–Alipurduar line.</u>

In view of above, the scheme for OPGW laying on existing ISTS lines which aren't having OPGW in NER region as per scope mentioned in S.no. 1 is put up for kind review of NERPC and this shall be put up for NCT approval after RPC review.

Deliberation of TCC

The representative of CTUIL briefed the forum on the works of Installation of OPGW on the existing ISTS lines in NER. After detailed deliberation, the forum recommended the Installation of OPGW on a) 400kV P K Bari-Silchar



line and b)220kV Kathalguri-Mariani(AEGCL) line in NER. This Project would be implemented under RTM mode for an estimated cost of Rs.17.81 Cr.

RPC Deliberation:

RPC forum approved the recommendation of TCC forum.

3.9. Installation of DTPC for Protection Scheme and Replacement of Control & Relay Panels for R&M of EHV Sub-Stations in Nagaland.

DoP Nagaland informed that the power infrastructure in Nagaland has been undergoing a significant transformation and development to meet the growing energy demand, ensure grid reliability and modernizing outdated systems over the last few years. As part of this transformation, several new Extra High Voltage (EHV) substations are being constructed or planned out across the state to cater the increasing electricity demand and integration of power from renewable and central sector projects.

While infrastructure expansion is underway, the protection and control systems at many substations still remain outdated. Most of the existing EHV substations in the state were commissioned decades back and still use outdated protection, Control and Relay (CR) Panels and rely on Power Line Carrier Communication (PLCC) systems for communication which has in turn become inadequate to meet the requirements of a modern, fast-responding and resilient transmission system. At present, the existing PLCC is used only for basic Speech + Data functions thereby hindering execution of fast and coordinated protection schemes across its network. Furthermore, the absence of remote monitoring and diagnostic capabilities with the existing infrastructure also limits visibility at the State Load Dispatch Centre (SLDC). The North Eastern Regional Power Committee (NERPC) & North Eastern Regional Load Dispatch Centre (NERLDC) have also placed high priority on strengthening protection and telemetry schemes for



ensuring full integration of all EHV substations into the regional protection and communication network.

In recent years, the Optical Ground Wire (OPGW) network and communication Systems has been implemented under NEFO and NERPSIP schemes covering several transmission lines and Sub-Stations in Nagaland. The remaining Transmission lines and sub-stations have also been covered under the scheme “Implementation of OPGW and Reliable Communication Scheme in Nagaland” sanctioned by PSDF. Leveraging the OPGW infrastructure, the adoption of **Digital Tele-Protection Couplers (DTPCs)** will greatly enhance protection performance and system reliability by enabling end-to-end tele protection over a secure and fast communication channel. Also, taking into consideration the rugged geography of Nagaland where accessibility to remote sub-stations remains a challenge and monsoon disrupts power lines frequently and with the increasing number of substations, DTPC-based protection scheme compatible both to OPGW and PLCC(as back up) shall ensure robust grid performance and protection.

The existing Control and Relay Panels in most of the existing EHV sub-stations in Nagaland have been in service for a very long time and become technically obsolete and is not compatible to integrate with SAS/SCADA Systems for future requirement. As most of the EHV sub-stations will soon be covered with OPGW connectivity and communication network, the upgradation to Automated Control and Relay Panels have become essential. The modernization of control room through automated Control and Relay panels will enable real-time monitoring, rapid fault detection and isolation and remote operational capabilities thereby ensuring better system stability and strengthening network reliability.

The project has been recommended during the 59th& 64th PCC Sub-Committee meeting of NERPC on account of System Stability.

The proposal “Installation of DTPC for Protection Scheme and Replacement of Control & Relay Panels for R&M of EHV Sub-Stations in Nagaland” consists of following scope of works:



- a) Installation of DTPCs at 132kV and 66kV sub-stations for end-to-end tele protection compatible both to OPGW and PLCC (as back up) across Nagaland.
- b) Replacement of existing 132kV, 66kV and 33kV Control & Relay Panels by new Control & Relay Panels with Automation System.

The project has been conceptualized and proposed with the following **Goals & Objectives:**

- i. Implementation of Autoreclose and carrier aided protection in the lines.
- ii. Facilitate accurate and fast isolation of faults through DTPCs thereby reducing risk of blackouts, widespread outages and safeguarding EHV transmission infrastructure.
- iii. The superior selectivity and sensitivity offered by DTPCs will ensure rapid and precise exchange of protection signals between remote ends, significantly reducing fault clearing times and minimizing system downtime thereby improving overall system reliability.
- iv. Modernize and strengthen the sub-station and transmission line performance in Nagaland by replacing outdated panels and protection devices in compliance with the existing national grid codes and standardized protection practices.
- v. Upgradation of the Control Relay Panels with automation system at 132kV, 66kV and 33kV sub-stations shall enable real-time monitoring and remote operation thereby ensuring better system control and fault response times.

In view of the above considerations, the objective to strengthen the protection and control infrastructure of EHV sub-stations and transmission lines in Nagaland through “Installation of DTPC for Protection Scheme and Replacement of Control & Relay Panels for R&M of EHV Sub-Stations in Nagaland” with an estimated cost of **Rs. 8084.96 lakh** is submitted for implementation under PSDF funding. The matter was placed before 29th



TCC & RPC for approval, wherein the forum referred to sub-committee for further deliberation.

The matter was placed in 228th OCCM wherein, the forum observed that the scheme is eligible for funding under the extant of PSDF guidelines. The forum in principle agreed for the same for implementation under PSDF funding. The forum advised Nagaland to send the DPR to PSDF secretariat after getting approval from ensuing RPC meeting.

Deliberation of TCC

The representative of Nagaland briefed the forum about installation of DTPC for Protection Scheme and Replacement of Control & Relay Panels for R&M of EHV Sub-Stations in Nagaland. After detailed deliberation, the forum recommended the Installation of DTPC for Protection Scheme and Replacement of Control & Relay Panels for R&M of EHV Sub-Stations in Nagaland under PSDF funding.

Deliberation of RPC:

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 project will be get delayed for waiting under PSDF fund. State can execute this project from own resources or other funds.

Forum noted that this project being important and other critical projects may also get delayed due to fund constraints in PSDF fund. So, by considering the poor financial health of NER State, it has been decided to make the comprehensive proposal by inclusion of Critical project which are important for NER grid reliability and grid improvement point of view and 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 .



3.10. Disaster Preparedness of Transmission Infrastructure: Procurement of 20sets (300 Towers) of Emergency Restoration System under Make in India

The Ministry of Power (MOP), through its letter No. 34/7/2025-TRANSMISSION dated 11.05.2025 (attached as **Annexure 2.14a**), has inter-alia directed POWERGRID to place an order for 20 sets comprising 300 towers of Emergency Restoration System (ERS). This directive follows a high-level meeting chaired by the Secretary (Power) on 10.05.2025, where the decision was finalized.

Subsequently, MOP vide letter ref. No. 34/7/2025-TRANSMISSION (MoP) dated 19.08.2025 (attached as **Annexure 2.14b**), has conveyed in-principle approval for procurement of 20 sets (300 towers) ERS under Public Procurement (Preference to Make in India) through Regulated Tariff Mechanism (RTM) to POWERGRID.

POWERGRID is to carry out procurement of 20 sets of ERS towers (300 towers) through emergency procurement process to meet potential requirement in the states. The proposed ERS shall be kept and maintained at suitable locations to meet the requirement of stake holders during contingencies, and the ERS shall be treated as spares under a common pool.

As per preliminary estimation, total expenditure towards said procurement is expected as approximately Rs 440 Cr. **Out of 20 sets of ERS (300 towers) suitable for 400kV Transmission Lines being procured, 4 sets of ERS towers (60 towers) shall be kept in North Eastern Region, against which a preliminary expenditure of Rs 88 Cr is expected.**

In view of the above, POWERGRID has planned to procure the proposed ERS and subsequently, approach CERC through tariff petition for cost recovery of the expenditure in terms of the CERC Tariff regulations, 2024.



Deliberation of TCC

Powergrid informed that they have been instructed by MoP to procure the ERS under RTM. Further, he updated that LoA has been placed in October'25.

MS NERPC requested PowerGrid to prepare a draft SOP, on usage of the ERS by state utilities, and circulate the same to states inviting their comments.

Further, Member Secretary, NERPC enquired from Powergrid about the locations where the ERS would be kept. Powergrid informed that one set each will be kept at Silchar, Dimapur, Balipara and Imphal substations.

Deliberation of RPC:

RPC forum endorsed the views of TCC forum and agreed for the proposal.

3.11. Bus Strengthening of 132kV and 33kV system at 132/33/11kV Kohima Sub-station

DoP Nagaland informed that the 132/33/11 kV Kohima Sub-station plays a vital role in Nagaland's power transmission network, acting as a key node for delivering power to the state capital and surrounding districts, including Tseminyu, Wokha, Phek, Meluri and Kiphire. The 132/33/11kV Kohima Sub-station is connected to the grid through the 132kV Karong-Kohima, 132kV Dimapur PG-Kohima, 132kV Zhadima-Kohima and 132kV Meluri-Kohima Lines. The sub-station is also linked to the Doyang HEP through the 132kV Doyang-Sanis-Wokha-Chiephobozou-Zhadima-Kohima line and Likimro HEP through the 132kV Likimro-Kiphire-Meluri-Kohima line. The sub-station is linked to two(2) inter-state elements through the 132kV Karong-Kohima and 132kV Dimapur PG-Kohima lines. The sub-station not only plays an important role in system stability and reliability of Nagaland but also for Northern Part of Manipur State. Presently, the sub-station caters power to the entire State Capital with an existing load of



approximately 45.6 MW. Kohima, the capital city of Nagaland state, has been selected in the list of Smart City Initiative by Government of India. As such, numerous socio-economic infrastructural developments are underway. Therefore, the Sub-station is expected to experience a substantial increase in loading due to increased load demand and capacity addition of upcoming generation sources. Besides the existing Likimro HEP (24MW), upcoming generation sources includes the proposed Tizu Valley HEP (24 MW), Zungki HEP (24 MW), Lower Tizu HEP (42 MW), PonglefoHEP(1 MW), Lower Likimro HEP (8.1 MW) thereby cumulatively contributing an additional 123.1 MW to the grid. Consequently, the projected future loading on the 132/33/11kV Kohima sub-station is estimated to be around 190 MW.

The Sub-station presently operates on a Single Bus Bar arrangement and hence, the sub-station is highly vulnerable to disruptions. Any system breakdown or fault on the Bus leads to complete outage causing entire blackout of the state Capital severely disrupting essential public services, administrative operations, government functions and also affects the reliability and stability of power to its adjoining districts. There have been many incidents in the past where a fault on the Bus has led to blackout of the entire capital and its adjoining areas. This particular issue has been taken on a serious note by North Eastern Regional Power Committee (NERPC) & North Eastern Regional Load Despatch Centre –Grid India (NERLDC) and subsequently discussed multiple times at NER-Power Co-ordination Committee (NER-PCC) & Operation and Co-ordination Committee (NER-OCC) meetings. During 54th, 55th, 56th, 57th and 58th PCC Meetings NERPC has strongly recommended for Bus Strengthening of 132kV and 33kV at Kohima sub-station. However, due to funding issues and space constraint, the proposed strengthening / upgradation could not be implemented. Strengthening of existing 132kV and 33kV Bus Bar from Single to Double busbar system is therefore vital to enhance system reliability.



The sub-station is also constrained in terms of available land for expansion and the aging switchgear components necessitates the need for a major upgradation to accommodate the future demand, improve fault tolerance and support modernization of the grid. Due to the hilly terrain of the sub-station, the 132kV bays at the sub-station are constructed at three different elevation levels in a cascading arrangement. On 28th June 2019, the Executive Director, NERLDC on his visit to 132/33/11 kV Kohima Sub-station also remarked on the limited space and congestion within the sub-station, noting that any future expansion and modification or strengthening would be challenging under the existing AIS setup. In 2024, the Department engaged M/s Hitachi Energy India Limited for conducting system Study of 132/33/11kV Kohima Sub-station. During their site visit, the firm observed the existing cascading layout of the 132kV bays and the space constraint of the sub-station and suggested for conversion of the existing 132kV AIS substation to Hybrid-GIS substation. Conversion of existing AIS Bays to Hybrid GIS not only offers the benefit of space optimization for construction of Double Bus Bar arrangement but also has the advantage of compactness, reduced maintenance cost and high reliability, making it a viable solution due to constrained space installations. The 33kV Hybrid-GIS arrangement at Kohima Sub-station will also increase reliability of the 33 kV voltage network and ensure better protection coordination with the 11 kV and LT levels.

Considering the existing load, future load demand and integration of upcoming Hydro Power stations projects, the bus loading is expected to touch about 190MW. This will require replacement of ACSR Single Panther Bus with ACSR Twin Moose Bus, as the present bus is not sufficient to handle the projected load growth.

Further, The 132/33/11kV Kohima sub-station was commissioned during the 1980s and has been a vital infrastructure for power distribution in the State capital and adjoining areas since then. Given it's age, the existing



control panels have been in service for a very long time and with the advancement in control panel automation system through Substation Automation System (SAS), modernization of control room with modern SAS will enable real-time monitoring, fault isolation and remote operation by integration with SCADA system thereby ensuring better system control and fault response times.

The proposal “Bus Strengthening of 132kV and 33kV system at 132/33/11 kV Kohima Sub-station” consists of following scope of works:

- a) Conversion of 132 kV & 33kV AIS Bays to Outdoor Hybrid Gas-Insulated Sub-station (GIS).
- b) Strengthening of the Existing 132 kV & 33kV Busbar from Single to Double Busbar Configuration.
- c) Replacement of 132 kV & 33kV Busbar Conductor from ACSR Panther to ACSR Twin Moose conductor for 132kV system and ACSR Moose conductor for 33kV system.
- d) Replacement of existing 132kV and 33kV Control Panels with 132kV and 33kV Control Panel with Automation System.
- e) Substation Automation System (SAS).

The project has been conceptualized and proposed with the following **goals & objectives:**

- i. The proposed strengthening of 132kV & 33kV bus shall enhance reliability of power to the State capital and it's adjoining areas.
- ii. The Double Bus Bar scheme shall provide system redundancy and enable parallel operation and maintenance at both 132kV and 33kV levels thereby ensuring uninterrupted power supply and also minimize outage during contingency and scheduled maintenance.
- iii. Hybrid GIS will reduce operation and maintenance cost as compared to AIS.



- iv. Improved system design, support higher short-circuit levels and ease of future addition of new elements.
- v. Up-gradation of busbar conductors will enhance load carrying capacity for projected load growth and integration of upcoming generation sources.
- vi. Integration of SAS and SCADA systems through modernization of the Control Room of the 132/33/11kV Kohima Sub-station shall enable real-time monitoring, fault isolation and remote operation thereby ensuring better system control and fault response times.

In view of the above considerations, with the objective to enhance capacity, reliability, and resilience of power supply across Kohima by modernizing and upgrading the 132/33/11 kV Kohima Sub-station through the implementation of Hybrid GIS, double busbar configuration, and automation systems the proposal for “Bus Strengthening of 132kV and 33kV system at 132/33 kV Kohima Sub-station” with an estimated cost of **Rs. 5956.60 lakh** is submitted for consideration of funding under PSDF

The matter was discussed in 29th TCC and RPC meeting wherein it was referred to sub-committee for detailed deliberation.

The matter was placed in 228th and 229th OCCM wherein NERLDC informed that as per study, upgradation of Bus conductor is required keeping in view the future load flow through this substation. Further, NERLDC suggested that since the substation is critical one, serving the capital area, the bus scheme may be upgraded to Double Main Bus scheme to improve reliability.

The OCC forum approved the upgradation of Bus conductor along with converting the Bus scheme to Double Main scheme and proposed for PSDF funding for the same.



Deliberation of TCC

The Representative of Nagaland apprised the Forum about the bus strengthening of the 132 kV and 33 kV systems at 132/33/11 kV Kohima Sub-station. After detailed deliberation, the Forum recommended the bus strengthening of the 132 kV and 33 kV systems at the 132/33/11 kV Kohima Sub-station under PSDF funding.

Further, forum advised Nagaland to present the detailed justification for the proposed conversion of the 132 kV and 33 kV AIS bays to an outdoor hybrid Gas-Insulated Sub-station (GIS) to the PSDF committee.

Deliberation of RPC:

Nagaland representative informed that proposed conversion of the 132 kV and 33 kV AIS bays to an outdoor hybrid Gas-Insulated Sub-station (GIS) is due to space constraints.

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 project will be get delayed for waiting under PSDF fund. State can execute this project from own resources or other funds.

Forum noted that this project being important and other critical projects may also get delayed due to fund constraints in PSDF fund. So, by considering the poor financial health of NER State, it has been decided to make the comprehensive proposal by inclusion of Critical project which are important for NER grid reliability and grid improvement point of view and 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.

Forum noted as above



3.12. Roster for next TCC/NERPC Meeting -NERPC

As members of NERPC are aware that TCC & NERPC are being hosted by constituents on rotation basis. In this regard 31st, 32nd and 33rd meetings have been proposed as:

Sr. No.	Meeting	Hosted by
1.	31 st TCC/NERPC Meeting	Mizoram
2.	32 nd TCC/NERPC Meeting	Tripura
3.	33 rd TCC/NERPC Meeting	OTPC
4.	34 th TCC/NERPC Meeting	NVVN
5.	35 th TCC/NERPC Meeting	
6.	36 th TCC/NERPC Meeting	

Deliberation of TCC

The Representative of Mizoram informed that the matter regarding hosting of the 31st TCC/NERPC Meeting shall be discussed in NERPC meeting with their higher authority. The Representative of Tripura informed that Tripura would be able to host the TCC/NERPC Meeting in November 2026.

Deliberation of RPC:

Mizoram agreed to host the 31st NERPC meeting in Feb/March 26 and will intimate exact date to the office of HPM Meghalaya and Chairman NERPC in due course of time.

Forum noted as above.



4. PART C: COMMERCIAL ISSUES

4.1. Quarterly expenditure of Board Fund and Establishment Fund:

A. NERPC Board Fund Quarterly expenditure for Q1 and Q2 of FY 2025-26

Details of Expenditure from Board Fund from April 2025 to September 2025 (in thousands INR)				
Sl. No.	Head	Actual Expenditure from April 25 to June 25 (FY 2025-26)	Actual Expenditure from July 25 to September 25 (FY 2025-26)	Total Expenditure Upto September-2025
1	Meetings	736.187	2856.591	3592.778
2	Outsourcing salary/wages	258.249	257.394	515.643
3	DTE	0	0	0
4	Internet	12.39	135.897	148.287
5	Conveyance+Honorarium	10	15	25
6	Misc. (New Vehicle and Guest house rent)	54.48	3863.756	3918.236
	Total	1071.306	7128.638	8199.944

B. NERPC Establishment Fund Quarterly expenditure for Q1 and Q2 of FY2025-26

Details of Expenditure from Establishment Fund from April 25 to September 25 (in thousands INR)					
Sl. No.	Head	Proposed Budget Estimates 2025-26) in thousands INR	Actual Expenditure from April 25 to June 25 (FY 2025-26)	Actual Expenditure from July 25 to September 25 (FY 2025-26)	Total Expenditure Upto September-2025
1	Medical	1000.000	93.308	27.151	120.459
2	Domestic Travelling Allowances	2500.000	1067.403	1,124.11	2191.514



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3	Fuels and Lubricants	500.000	109.126	93.326	202.452
4	Printing Publication	0.000	0.000	0.000	0.000
5	Advertising and Publicity	0.000	0.000	0.000	0.000
6	Professional Services	10.000	0.000	0.000	0.000
7	Office Expenditure	16000.000	2807.903	3,317.39	6125.292
8	Minor Work	6000.000	88.500	3,920.57	4009.074
Total		26010.000	4166.240	8482.551	12648.791

Deliberation of TCC

Member Secretary, NERPC, apprised on the various expenditures incurred from the NERPC Board Fund and the NERPC Establishment Fund. The Forum took note of the same.

Deliberation of RPC

RPC noted the deliberation of TCC.

4.2. NERPC Board Fund Contribution status for FY 2024-25 reg.

All the beneficiaries of NERPC have paid their dues for NERPC Board Fund Contribution FY 2024-25.

Deliberation of TCC

Member Secretary, NERPC, appreciated all the utilities of NERPC for clearing their dues for NERPC Board Fund.

For kind information to NERPC.

4.3. The status of payment of Establishment Fund for FY 2024-25:

A. Regular Members:

All the beneficiaries of NERPC Except following beneficiaries have paid their dues for NERPC Establishment Fund Contribution FY 2024-25.



F.Y 2024-25					
	Constituents	Status of Payment		Constituents	Status of Payment
1	APGCL	Due	4	TPTL	Due
2	MePGCL	Due	5	TPGCL	Due
3	MSPCL	Due	6	MSPDCL	Due

B. Non-Member Participants:

All the Non-Member beneficiaries of NERPC have paid their dues for NERPC Establishment Fund Contribution FY 2024-25.

Deliberation of TCC

TCC forum appreciated all the utilities of NERPC for clearing dues of NERPC Establishment Fund. Further, forum advised the utilities to clear their outstanding dues at the earliest who have not cleared yet.

Deliberation of RPC

RPC noted the deliberation of TCC.

For kind information to NERPC.

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

A. Regular Members:

All the beneficiaries of NERPC Except following beneficiaries have paid their dues for NERPC Board Fund Contribution FY 2025-26.

F.Y 2025-26					
	Constituents	Status of Payment		Constituents	Status of Payment
1	Manipur/MSPDCL	DUE	2	Mizoram	DUE



B. Non-Member Participants:

All the Non-Member beneficiaries of NERPC have paid their dues for NERPC Bund Fund Contribution FY 2025-26.

Deliberation of TCC

The Representative of Mizoram informed that payment was already cleared on 12th September-2025.

Member Secretary, NERPC has expressed his appreciation to all the utilities of NERPC who have cleared their dues towards the NERPC Board Fund and requested the remaining beneficiaries to clear their outstanding dues at the earliest.

Deliberation of RPC

RPC noted the deliberation of TCC.

4.5. The status of payment of Establishment Fund for FY 2025-26:

A. Regular Members:

All the beneficiaries of NERPC Except following beneficiaries have paid their dues for NERPC Establishment Fund Contribution FY 2024-25.

F.Y 2025-26					
	Constituents	Status of Payment		Constituents	Status of Payment
1	APGCL	DUE	4	AEGCL	DUE
2	MSPDCL	DUE	5	NVVN	DUE
3	MSPDCL	DUE	6	TPTL	DUE
			7	TPGCL	DUE



B. Non-Member Participants:

All the Non-Member beneficiaries of NERPC Except following have paid their dues for NERPC Establishment Fund Contribution FY 2025-26.

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

Deliberation of TCC

Member Secretary, NERPC has expressed his appreciation to all the utilities of NERPC who have cleared their dues towards the NERPC Establishment Fund and requested the remaining beneficiaries to clear their outstanding dues at the earliest.

Deliberation of RPC

RPC noted the deliberation of TCC.

4.6. The status of audit of Establishment Fund and Board Fund for FY 2023-24 and 2024-25

The NERPC Secretariat currently maintains two separate funds:

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

In line with the approval granted during the 26th TCC/NERPC meeting, the NERPC Secretariat engaged consultancy services with expertise in finance and accounting to assist in the management of these funds. As a result, an audit was successfully completed by a **Chartered Accountant (CA)** for the following periods:



- NERPC Board Fund was audited for the period 1st April 2024 to 31st March 2025 and audit report is enclosed at **Annexure 4.9a**
- NERPC Secretariat Establishment Fund was audited for the period 1st October 2023 to 30th March 2025 and audit report is enclosed at **Annexure 4.9b**

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 be carried out by the Director level officer. Internal Audit for Establishment fund by Director Level officer was carried out up to March-2025 (Audit Report is enclosed at **Annexure 4.9c**).

Further, in 26th TCC/NERPC it was decided that to facilitate an external audit of the above-mentioned funds, the NERPC Secretariat proposes that constituent members to nominate officers to form the audit committee. Subsequently, Shri Navajyoti Gogoi, DGM (Tech), Commercial, NEEPCO. Shri M. Kharkongor, AAO, MeECL, Shri Rahul Kabra, Officer, Finance and Account, PowerGrid has conducted the external audit on 6th and 7th October-2025 (Audit Report is enclosed at **Annexure 4.9d**).

Summary of major observation received from the various audit team After the Audit NERPC Secretariats and status of that observation is as follow.

Sr. No.	Fund	Audit Observation	Audit by	Current Status
1	Board Fund	Non-Deduction of GST/TDS of vendor as per GST Act section-51	CA Firm	Under Implementation
2	Establishment Fund	Non-Deduction of GST/TDS of vendor as per GST Act section-51	CA Firm	Under Implementation
3	Establishment Fund	There is no provision of Casual leave for	Internal Audit	Under Implementation



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		contractual employee at NERPC.		
4	Establishment Fund	DG set running hours record not maintained.	Internal Audit	Implemented (Log Register Opened in September-2025)
5	Establishment Fund	Entry of A/C bank charge not made in establishment fund expenditure register	Internal Audit	Under Implementation
6	Establishment Fund	Details of vendors such as vendor address, vendor name, bill no. bill date not entered in Assets register	Internal Audit	Noted for future and now it is being complied.
7	Establishment Fund	Tour program approved after the tour is completed	Internal Audit	Noted for future and now it is being complied.
8	Board Fund	Budget estimate and utilization files along with papers need to be maintained	External Audit	Under Implementation
9	Board Fund	Maintain all receipt and Expenditure records in cashbook register.	External Audit	Under Implementation
10	Board Fund	Maintain all receipt and Expenditure records in Excel.	External Audit	Under Implementation
11	Board Fund	All original documents such as vouchers, bills,	External Audit	Noted for future and now it is



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		receipts need to maintain in folder.		being complied.
12	Establishment Fund	Budget estimate and utilization files along with papers need to be maintained	External Audit	Under Implementation
13	Establishment Fund	Maintain all receipt and Expenditure records in cashbook register.	External Audit	Under Implementation
14	Establishment Fund	Maintain all receipt and Expenditure records in Excel.	External Audit	Under Implementation
15	Establishment Fund	All original documents such as vouchers, bills, receipts need to maintain in folder.	External Audit	Noted for future and now it is being complied.

Deliberation of TCC

The audit of NERPC Establishment Fund and NERPC Board fund have been completed. Member Secretary assured the forum that all observations would be duly addressed, and the status of compliance would be placed in the subsequent TCC/NERPC meetings for information.

Deliberation of RPC

RPC noted the deliberation of TCC.



5. PART D: ITEMS FOR INFORMATION/UPDATE

**5.1 Long Pending Dues Payable by Manipur State Power Company Ltd.
-Powergrid**

Power Grid Corporation of India Limited (POWERGRID) has successfully implemented the Main SCADA EMS System for the SLDCs of Manipur under the project titled “*Expansion/Upgradation of SCADA/EMS System of SLDCs of North Eastern Region.*” Additionally, POWERGRID has commissioned the State Sector Communication Links under the project “*Establishment of Fiber Optic Communication System under Wide Band Communication Expansion Plan in North Eastern Region.*”

Following the receipt of approved tariff from the Hon’ble Central Electricity Regulatory Commission (CERC), POWERGRID commenced billing on MSPCL in accordance with the applicable tariff regulations and CERC orders for the aforementioned systems.

Despite continuous follow-ups by POWERGRID and repeated discussions in various Commercial Coordination Sub-Committee meetings—where even the forum urged MSPCL to settle the dues, however, no payment has been received from MSPCL. This has led to the accumulation of significant outstanding dues.

Status of Outstanding Dues Payable by MSPCL (as on 24.10.2025):

(All Figures in Rs.Cr.)

Name of the entity	Total dues		Remarks
	Total dues	> 45 days	



MSPCL, Manipur	14.91	14.4	<i>Approx. 16 months receivables (outstanding Non POC arrear bills and Surcharge of NON Poc bills pertaining to FY:2024-25 & FY:2025-26)</i>
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In view of the above, the accumulation of such substantial outstanding dues is adversely impacting POWERGRID's financial obligations and operations. It is once again requested that MSPCL urgently liquidate the long-pending dues against Non-POC bills, which are also subject to audit observations.

Deliberation of TCC

The Representative of Manipur informed that the pending payment consists of two components, namely, the payment for the SCADA/EMS amounting to ₹2.60 Crore, which has already received approval from the Government and will be released to Powergrid at the earliest.

It was further informed that due to the limited budget presently available with MSPCL, it has been proposed to include outstanding payment in the Revised Budget for FY 2025-26, and the payment will be made to Power Grid once the revised budget is sanctioned. TCC forum advised the MSPCL to clear the pending dues at the earliest.

Deliberation of RPC

RPC noted the deliberation of TCC.

5.2 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 centers 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.



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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 29th TCC meeting	Status Change with Respect to previous (29th) TCC-RPC Meeting
1	Arunachal Pradesh	Land identified at Niglok substation. Proposal has been submitted to government of Arunachal Pradesh for budget provision of this year	The proposal for Construction of Back Up SLDC has not been included in the Budget Estimate for 2025–26, as confirmation of PSDF funding for the Part A of the SCADA Project has not yet been received. If the PSDF funding is approved by November 2025, the same will be incorporated in the Revised Estimate.
2	Assam	Assam updated that Land identified in Samaguri and DPR has been submitted with a budget of around 8.5 Cr. to Govt. of Assam for approval of funds	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



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			by the Chief Secretary (Power).
3	Manipur	Location identified at 400kV Thoubal SS. Space required for accommodating UPS and Battery.	Location identified at 400 kV Thoubal SS. Tender floated for UPS and Battery room.
4	Meghalaya	Tendering under process. Space identified at Mawphlang SS.	Same Status
5	Mizoram	Budget amount approved; expenditure sanction expected by next month.	Budget amount approved; expenditure sanction pending.
6	Nagaland	Space ready at New Kohima S/S (New Secretariat	Same Status
7	Tripura	The proposal for modification of the existing building at S M Nagar Grid S/S (Tripura) has been submitted for approval of BOD which is expected shortly	The proposal for the modification of the existing building at S. M. Nagar Grid Substation (Tripura) was submitted for the approval of the Board of Directors (BOD). However, the Board has requested TPTL to resubmit the proposal after addressing certain queries raised during their review.

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.



Deliberation of TCC

State utilities updated as follow-

Sl. No.	Name of state	Status Change with Respect to previous (29th) TCC-RPC Meeting	Status as per 30th TCC
1	Arunachal Pradesh	The proposal for Construction of Back Up SLDC has not been included in the Budget Estimate for 2025-26, as confirmation of PSDF funding for the Part A of the SCADA Project has not yet been received. If the PSDF funding is approved by November 2025, the same will be incorporated in the Revised Estimate.	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	Same status



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		by the Chief Secretary (Power).	
3	Manipur	Location identified at 400 kV Thoubal SS. Tender floated for UPS and Battery room.	Same status
4	Meghalaya	Tendering under process. Space identified at Mawphlang SS.	Meghalaya informed that the tender will be floated by December 2025
5	Mizoram	Budget amount approved; expenditure sanction pending.	Budget allocation and administrative approval done, waiting for expenditure sanction. Expected by this FY.
6	Nagaland	Same Status	Same status
7	Tripura	The proposal for the modification of the existing building at S. M. Nagar Grid Substation (Tripura) was submitted for the approval of the Board of Directors (BOD). However, the Board has requested TPTL to resubmit the proposal after addressing certain queries raised during their review.	Board approval awaited. TSECL requested to include replica of control centre screen to corporate office in the scope of the work.

Regarding the request of Tripura for inclusion of replica of control centre screen to corporate office in the scope of the work, NERLDC informed that TSECL has not agreed for such work and suggested that the proposed work may be done later on under quantity variation.

Deliberation of RPC

RPC noted the deliberation of TCC.



5.3 Communication Audit for the systems installed at ISTS/SLDC stations of NE Region-NERPC

As per Clause 10 of Central Electricity Regulatory Commission (Communication System for inter-State transmission of electricity) Regulations, 2017 – “The RPC Secretariat shall conduct a performance audit of communication system annually as per the procedure finalized in the forum of the concerned RPC. Based on the audit report, RPC Secretariat shall issue necessary instructions to all stakeholders to comply with the audit requirements within the time stipulated by the RPC Secretariat.”

The Communication Audit Committee of North Eastern Region vide NERPC letter dated 30.07.2024(Annexure-B 2.1) has been formed based on the provision of Central Electricity Regulatory Commission (Communication System for inter-State transmission of electricity) Regulations, 2017.

The matter was deliberated in various communication meetings (NETest) and also **an audit observation has raised by Indian Audit and Accounts Department regarding the Communications audit of NER Stations vide requisition no.44 dated 09.04.24.**

In 31stNETeST meeting, NERPC apprised the forum that the communication audit in respect of Kahilipara substation was carried out for the PGCIL owned equipments on 01.04.2025. The observations of the communication audit has been shared as an audit report. NERPC further requested AEGCL to submit the requisite information for AEGCL owned equipments in Kahilipara substation so that communication audit can be carried out for the same.

In 32ndNETest meeting, it was emphasized that the communication audit for the critical sub-stations of NER to be carried out in time bound manner



and advised the respective utilities to submit the required information in the prescribed format to enable scheduling of audits.

Sl No.	State/Utility	Name of sub station
1	Arunachal Pradesh	SLDC Arunachal Pradesh, Chimpur
2	Assam	Kahilipara and Sarusajai
3	Nagaland	SLDC Nagaland
4	Meghalaya	NEHU and SLDC Meghalaya
5	Manipur	SLDC Manipur
6	Tripura	SM Nagar (Tripura)
7	Mizoram	SLDC Mizoram
8	PGCIL	Nirjuli, Aizawl, Dimapur, Imphal and Misa
9	Indgrid	SM Nagar
10	NHPC	Loktak
11	NEEPCO	Kathalguri

The above utilities were requested to furnish the required data in the prescribed format by the end of September 2025. However, no responses were received.

Subsequently, a reminder letter dated 06.10.2025 was issued by the NERPC Secretariat, requesting submission of the requisite information for communication audit of critical substations by **15th October 2025**, with a copy to NERLDC to facilitate scheduling of audits in compliance with CERC regulations. However, no information has been received from the concerned utilities to date.

Deliberation of TCC

Member Secretary, NERPC requested all the utilities to provide the prerequisite information sought by NERPC for conducting the audit.



Powergrid informed that the data has been recently submitted for 5 substations. Meghalaya informed that the data has been submitted for NEHU substation and requested POWERGRID for submission of data pertaining to equipment installed under ULDC scheme. DoP Ar. Pradesh, Manipur and Assam also informed that the data have been submitted recently. MS NERPC stated that NERPC will undertake communication audit of all the substations for which data have been submitted at the earliest.

Deliberation of RPC

RPC noted the deliberation of TCC.

5.4 Non-compliance of instructions of NERPC forum by SLDC Tripura regarding First Time Charging (FTC) of elements under NERPSIP-NERLDC

Background:

As per the Minutes of the Special Review Meeting on implementation of NERPSIP/Comprehensive Scheme held on 2nd May 2025, it was informed that out of 151 elements, 107 elements under NERPSIP-Tripura had already been commissioned.

In the 189th OCC Meeting of NERPC (held on 19th April 2022), it was decided that FTC documents must be submitted to NERLDC prior to commissioning of any element under NERPSIP.

However, despite commissioning 107 elements, no FTC documents have been submitted by SLDC Tripura to NERLDC, leading to mismatch between SCADA databases of NERLDC and SLDC Tripura.

Recent Developments:

As per the CEA Monthly Progress Report on Central Funded Schemes (July 2025),



- 27 out of 30 projects at the 132 kV level in Tripura have been fully charged, and 1 project partially charged, comprising 13 transmission line projects and 14 substation projects.
- These elements have been charged without prior intimation to NERPC/NERLDC and without submission of FTC documents, thereby violating the agreed FTC procedure.

Instances of non-compliance include:

- LILO of 132 kV PK Bari-Ambassa line at Manu (charged in September 2024)
- 132/33 kV Manu Substation (charged in July 2025)
- 132 kV SM Nagar (ISTS) – SM Nagar (TSECL) line reconductoring (HTLS) and subsequent charging (September 2025)

All these elements were commissioned without adherence to the FTC procedure decided in the 189th OCCM and the provisions of IEGC 2023.

Reference Communication:

NERLDC, vide its letter Ref: NERLDC/Office of CGM(IC)/Sep'25/8223 dated 03.09.2025 (Attached as Annexure), has again highlighted the issue of non-compliance and requested SLDC Tripura and TPTL to take immediate corrective action.

The letter specifically instructs as follows:

- a) Submit immediately FTC documents for all commissioned elements of NERPSIP-Tripura to NERLDC.
- b) Align commissioning activities strictly in line with the decisions of the 189th OCCM of NERPC, IEGC procedures, and NLDC formats.
- c) Submit protection settings of all commissioned elements to NERPC for approval and ensure proper coordination.
- d) Strengthen communication and telemetry systems to eliminate database mismatches between SLDC Tripura and NERLDC.



The matter has been advised to be treated as urgent, considering the operational discrepancies, database non-uniformity, and potential risks to grid reliability arising from such non-compliance.

NERLDC requests the following for Discussion:

- To deliberate on continued non-compliance by SLDC Tripura and TPTL with respect to submission of FTC documents under NERPSIP/deemed ISTS projects.
- To review the actions taken by SLDC Tripura in response to NERLDC letter dated 03.09.2025.
- To discuss and decide on the way forward for ensuring strict adherence to the FTC procedure as per IEGC 2023 and directions of NERPC/OCC forums.
- To finalize a timeline for submission of all pending FTC documents and synchronization of SCADA databases between SLDC Tripura and NERLDC.

Member Secretary, NERPC already wrote letter to CMD, TSECL to look into the matter and the compliance the procedure, IEGC 2023 and CEA/CERC regulations.

Deliberation of TCC

MD, TSECL assured the forum that the such actions will be not repeated and the required documents related to FTC for the charged elements will be submitted by 30th November'25.

Forum asked TSECL to remove the T connection of 132kV PK bari-Ambassa at Manu substation. SLDC, Tripura informed that they will be going for the LILO of the 132kV PK Bari-Ambassa line at Manu at the earliest.

Deliberation of RPC

RPC noted the deliberation of TCC.



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

It has been observed that Tripura is persistently over-drawing from the grid, despite repeated directions issued by NERLDC and discussions in various forums. Tripura has continued to overdraw even during periods of low grid frequency. Notably, on 08.09.2025 at 19:14 hrs (49.43 Hz) and 09.09.2025 at 18:56 hrs (49.41 Hz), Tripura did not curtail its drawal, posing serious concerns for secure grid operation.

Analysis for the period month of September 2025 (Annexure-I & II) indicates that Tripura overdrew for 66% of the time, with over-drawal exceeding 40 MW for 4% of the time (approx. 28 hours). Despite advisories issued during the 226th OCCM and 230th OCCM, this situation persists, including during emergency grid conditions.

Further, it has been observed that Tripura is heavily dependent on the Real-Time Market (RTM) to meet its demand requirements. As per the analysis for September 2025 (Annexure-III), Tripura procured power through RTM for approximately 63% of the time. The quantum of RTM purchase reached up to 118 MW, which is significant in relation to Tripura's overall demand. Such a high level of dependence on RTM indicates the need for improved demand-supply planning to ensure reliable and secure grid operation.

Provision of the IEGC 2023 state the following:

Regulation 49(3)(c) (SCHEDULING AND DESPATCH CODE): In case of contingencies such as critical loading of lines, transformers, abnormal voltages or threat to system security, the following steps as considered necessary, may be taken by RLDC:

- (i) Issue directions to concerned entities to adhere to the schedules
- (v) Direct the SLDCs or other regional entities to increase or decrease their drawl or injection by revising their schedules and such directions shall be immediately acted upon



In view of the above, SLDC Tripura is requested to strictly adhere to the scheduled drawl and comply with the instructions issued by NERLDC for ensuring safe, secure, and stable grid operation.

Deliberation of TCC

The forum instructed Tripura to undertake demand forecasting and resource adequacy diligently and not to depend on RTM excessively. Further, the forum advised Tripura to strictly adhere to the schedule and comply with the instructions issued by NERLDC for ensuring safe, secure, and stable grid operation.

Deliberation of RPC

RPC noted the deliberation of TCC.

5.6 Expediting construction of residential buildings at various EHV sub-stations developed under NERPSIP Tranche-I. – DoP Nagaland

Under the ongoing NERPSIP Tranche-I project, the housing requirement in all the new EHV sub-stations was discussed and finalized with the Senior officials of POWERGRID during March 2021 which has been duly approved as under:

Sl.	Name of Substation	Housing Requirement
1	132/33kV Substation at New Secretariat Complex Kohima/ Nagaland University	1. One B1 block at the substation premises. 2. One B1 block at existing 132/33kV substation at Old Minister Hill Kohima. 3. One C block at existing 132/33kV Old Minister Hill Kohima. 4. One B2 block at Electrical Colony Kohima.



		5. Two B1 blocks at New Kohima 220kV substation.
	132/33kV substation at Pfutsero.	1. One B1 & B2 blocks at Substation premises.
3	132/33kV substation at Zunheboto	1. One B1 & B2 blocks at Substation premises. 2. One B3 block at Electrical Colony Zunheboto town.
4	132/33kV substation at Longnak	1. One B1 & B2 blocks at Substation premises. 2. One B3 block SDO electrical colony at Longnak
5	132/33kV Substation at Longleng	1. One B1 & B2 blocks at Substation premises.

In this regard, the Department has handed over all required lands along with all necessary NoCs etc. to POWERGRID. Preliminary survey has also been carried out jointly by the Department and POWERGRID. The housing requirement was finalized & approved during 2021, however, even after a lapse of almost 4 years, nothing has been done on the ground. The matter has been deliberated during the 26th TCC & 26th NERPC meeting, wherein NERPSIP representative had assured to expedite construction of residential buildings at various EHV sub-stations developed under NERPSIP Tranche-I. Regrettably, till date, no progress has been made at the site.



In view of the above, the matter is requested to be taken up in the agenda for thorough deliberation with the POWERGRID during the 30th TCC/NERPC meeting.

Deliberation of TCC

ED NERTS informed that for Zunheboto, Longnak and Lonleng substations, earlier contract has been terminated, MoU has been signed with NBCC, work will start in Jan'26 and will be completed within 6 months.

Regarding New Secretariat SS, he updated that they had faced contract related issues and requested Nagaland to carry out the work on deposit basis. DoP Nagaland informed that the rates need to be revised.

Regarding Pfutsero, he updated that the township location is being changed due to landslides, and proposal has been sent to Nagaland for removal of the building work from the scope.

Deliberation of RPC

RPC noted the deliberation of TCC.

5.7 Accessing WBES outside of SLDCs -Tripura

WBES is not being exercised out of SLDC. For smooth functioning of the system as well as commercial viability of the Discom, it is utmost necessary to exercise out of office also. The matter was also discussed in the last OCC meeting. NERPC/NERLDC is requested kindly to look into the matter on top most priority.

Deliberation of TCC

CGM Logistic, NERLDC informed that during Operation Sindoor, multiple cyberattacks were launched against all the critical infrastructure of the Indian Power System including the WBES website, and as a



countermeasure, it was decided to take steps to safeguard critical infra such as WBES.

He also added that after discussion with CERT-IN, NCIIPC and CSIRT-Power, GRID-INDIA enforced strict restriction and access control of critical website including WBES.

However, the access of WBES is provided to only SLDCs and associated stakeholders through whitelisted static IPs only. He further added that there is no restriction on number of static IPs. It was also informed that the IPs cannot be shared with external agencies/institutions.

Deliberation of RPC

RPC noted the deliberation of TCC.

5.8 Strengthening of 220 kV BTPS–Agia DC Line by AEGCL

The current Total Transfer Capability (TTC) of the North Eastern Region (NER) is being restricted due to high loading on the following transmission lines under the N-1 contingency condition of the 400 kV Bongaigaon–Azara line:

- 220 kV Balipara–Sonabil DC
- 220 kV BTPS–Agia DC

Considering future scenario, with the anticipated commissioning of 400 kV substations at Rangia, Sonapur, and Khumtai, as well as 220 kV substations at Agamoni, Sankardev Nagar, and Bihpuria, system studies suggest that the 220 kV Balipara–Sonabil DC and the 220 kV BTPS–Agia DC will continue to remain major constraints in enhancing the import TTC of the NER.

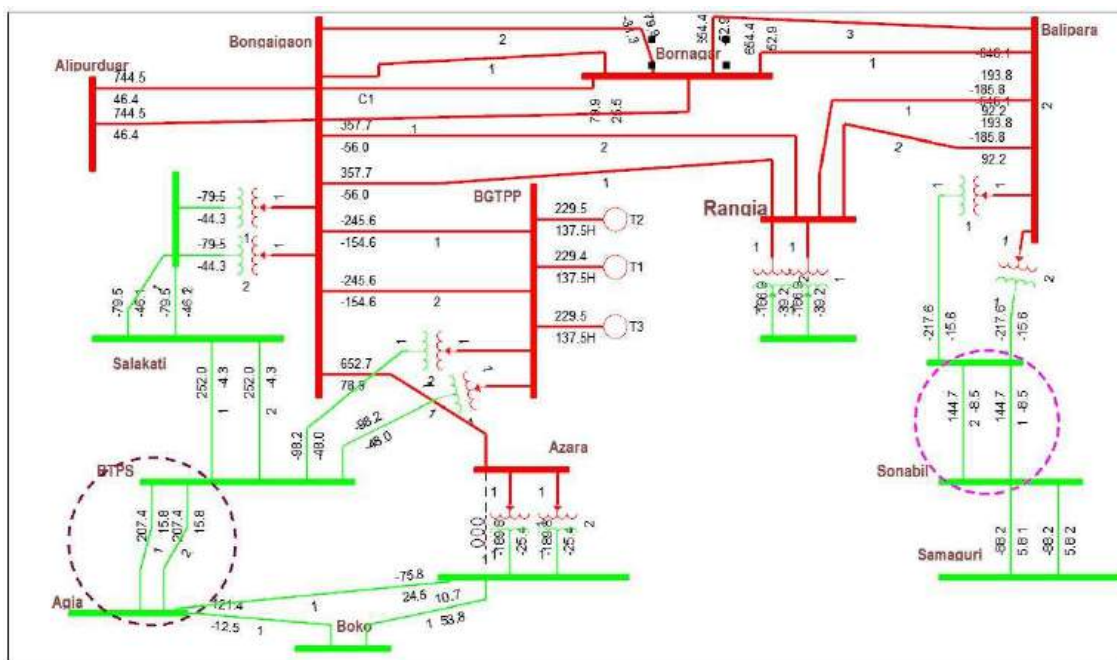


Figure-1.: Future scenarios (2029-30) of NER power system

While the strengthening of the 220 kV Balipara–Sonabil D/c line has already been approved in the C-METS forum, the strengthening of the 220 kV BTPS–Agia D/c line, under the scope of AEGCL. As per the deliberations of the 228th OCC meeting dated 25.07.2025, AEGCL informed that study has been done and waiting for fund approval and work to start next year

In light of the above and considering both present and future system constraints, AEGCL is kindly requested to expedite the reconductoring of the 220 kV BTPS–Agia DC at the earliest to ensure reliable and secure operation of the NER power system.

Deliberation of TCC

The representative of AEGCL informed the forum that a study had been conducted for strengthening of the 220 kV BTPS–Agia double circuit line and the approximate cost of the project was estimated to be around ₹120 crore. He further informed the Forum that, due to the high cost involved, AEGCL is exploring various sources of funding for implementation. Further NERLDC apprised the forum that this line is critical elements of NER Power



transmission system and TTC of NER is being restricted due high loading of this line under N-1 constituency condition. After brief deliberation, the Forum advised AEGCL to expedite the process for strengthening of the 220 kV BTPS–Agia double circuit line and the agenda item is placed before the NERPC for information.

Deliberation of RPC

RPC noted the deliberation of TCC.

5.9 Early commissioning of second Ckt of 132kV Loktak – Ningthoukhong and restoration of 132 kV Jiribam-Rengpang line

The 132 kV Loktak–Ningthoukhong transmission line is facing multiple interruptions over the past few months. As communicated by SLDC Manipur, the primary cause of these interruptions has been jumper snapping due to high loading. Consequently, SLDC Manipur has advised restricting the loading on the 132 kV Loktak–Ningthoukhong line to below 55 MW. Details of Tripping of 132kV Loktak – Ningthoukhong line is given below:

SL No	Element Name	Outage Date	Outage Time	Revival Date	Revival Time	Indication Details (End1)	Indication Details (End2)
1	132KV-Loktak-Ningthoukhong-1	25/Sep/2025	05:31	25/Sep/2025	14:20	No tripping	Earth fault
2	132KV-Loktak-Ningthoukhong-1	21/Sep/2025	12:38	21/Sep/2025	13:16	Z-1,4.9KM, OC, RY Ph	Z-1.OC.EF,AB Ph, 5.108KM
3	132KV-Loktak-Ningthoukhong-1	13/Aug/2025	08:44	13/Aug/2025	12:34	Earth fault	Details awaited
4	132KV-Loktak-Ningthoukhong-1	11/Aug/2025	17:38	12/Aug/2025	12:37	D/P,Z-1,7.1 km	Yph,Eph,2.7 km
5	132KV-Loktak-Ningthoukhong-1	27/Jul/2025	02:04	28/Jul/2025	15:43	No tripping	Earth fault
6	132KV-Loktak-Ningthoukhong-1	06/Jul/2025	19:28	07/Jul/2025	15:58	B phase, Z-1, 7.5 km	B phase, Z-1, 2.7 km

7	132KV-Loktak-Ningthoukhong-1	20/Jun/2025	03:52	20/Jun/2025	05:12	Z3, O/C, A-B ph, 42.25 kM	Z4, 21.30 kM, E/F
8	132KV-Loktak-Ningthoukhong-1	09/Jun/2025	13:34	09/Jun/2025	15:20	Zone 2, 11.85km, B Phase, EF/OC	Zone 4, Phase ABC, OC

The loading of the 132 kV Loktak – Ningthoukhong line can managed by backing down generation from the Loktak HEP to 70 MW (around 35 MW generation backdown), which is one of the most economical sources of power in the NER. However, curtailing this clean and cheap hydro power is not a sustainable solution, as it would undermine the optimal utilization of valuable national hydro resources.

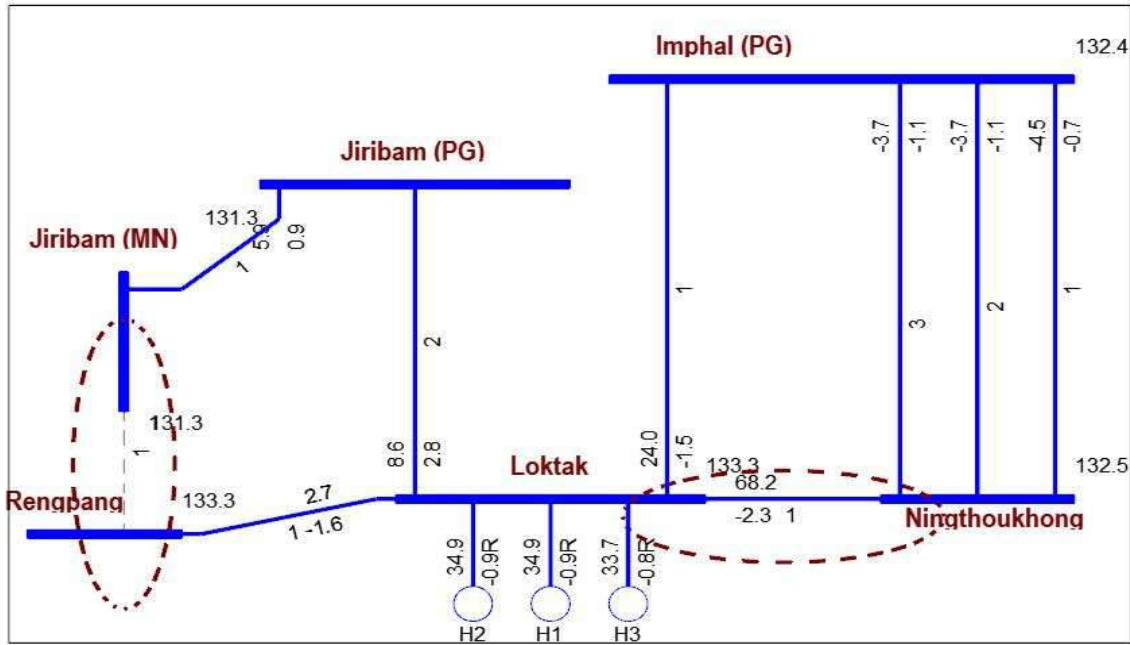


Figure-2.: Evacuation path of Loktak HEP

To address this critical issue, the following measures were recommended during the 231st Operation Coordination Committee (OCC) Meeting:

1. Early commissioning of the second circuit of the 132 kV Loktak – Ningthoukhong line.
2. Revival of the 132 kV Jiribam – Rengpang transmission line.



3. Strengthening of jumpers of 132 kV Loktak – Ningthoukhong transmission line

In light of the above, SLDC Manipur is requested to kindly provide the present status of:

- Commissioning of the second circuit of the 132 kV Loktak–Ningthoukhong line, and
- Restoration of the 132 kV Jiribam–Rengpang transmission line.
- Strengthening of jumpers of 132 kV Loktak – Ningthoukhong transmission line

An update in this regard will help in taking further necessary actions to ensure reliable and secure operation of the grid.

Deliberation of TCC

The Representative of Manipur informed the Forum that Manipur has already commence the work for restoration of 132 kV Loktak – Ningthoukhong. He further apprised forum that in 132 kV Jiribam–Rengpang transmission line there are few Towers are damaged due to landslide and Land cutting by NHIDCL. He further informed forum that due to major work in restoration of in 132 kV Jiribam–Rengpang transmission. Representative of NHPC informed forum that due to long outage of the 132 kV Jiribam–Rengpang transmission line Loktak HEP is facing power curtailment issues. After detail deliberation forum noted that this is long pending issues and asked Manipur to complete the remaining work in 132 kV Loktak – Ningthoukhong and 132 kV Jiribam–Rengpang transmission line at the earliest and agenda item is placed before the NERPC for information.

Deliberation of RPC

RPC noted the deliberation of TCC.

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

On 19th August 2025, 220 kV Mariani (PG) – Mariani (AS) Transmission Line recorded a loading of 233 MW. The said line continued to remain loaded above 200 MW throughout the peak demand period on 20th August 2025. Due to this persistent overloading, a hotspot developed at the 220 kV bay at Mariani (AS), ultimately necessitating emergency shutdown of the line on 19th, 20th, 21st and 22nd August 2025. It was further observed that lower generation within Upper Assam (NTPS, LRPP and NRPP plants) contributed significantly to the excessive loading of the said transmission line

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

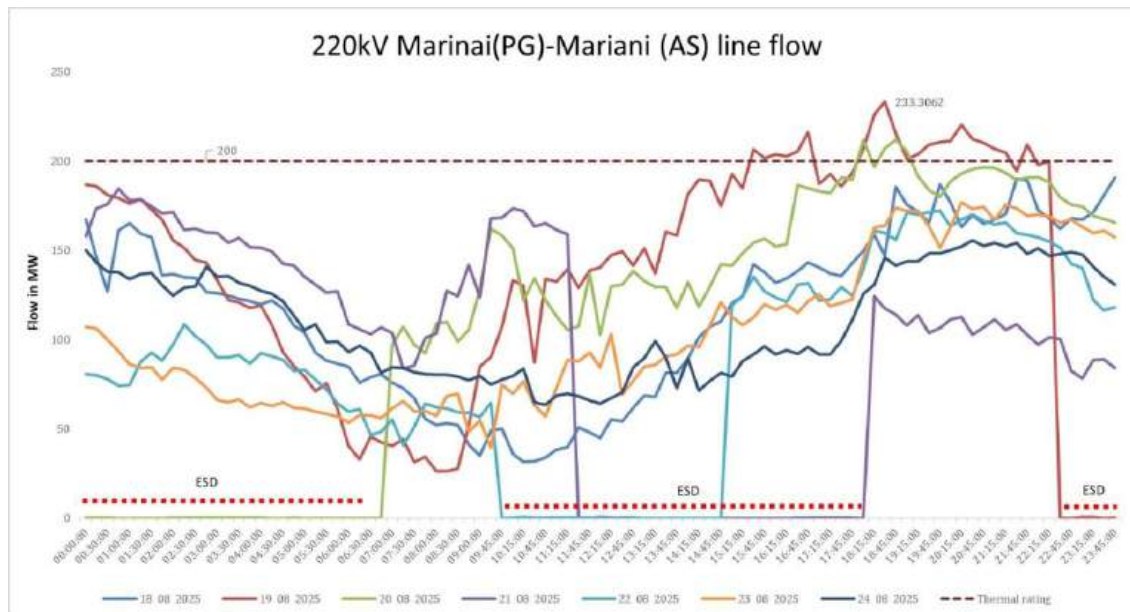


Figure-3: Power flow through 220 kV Mariani (PG) – Mariani (AS) line

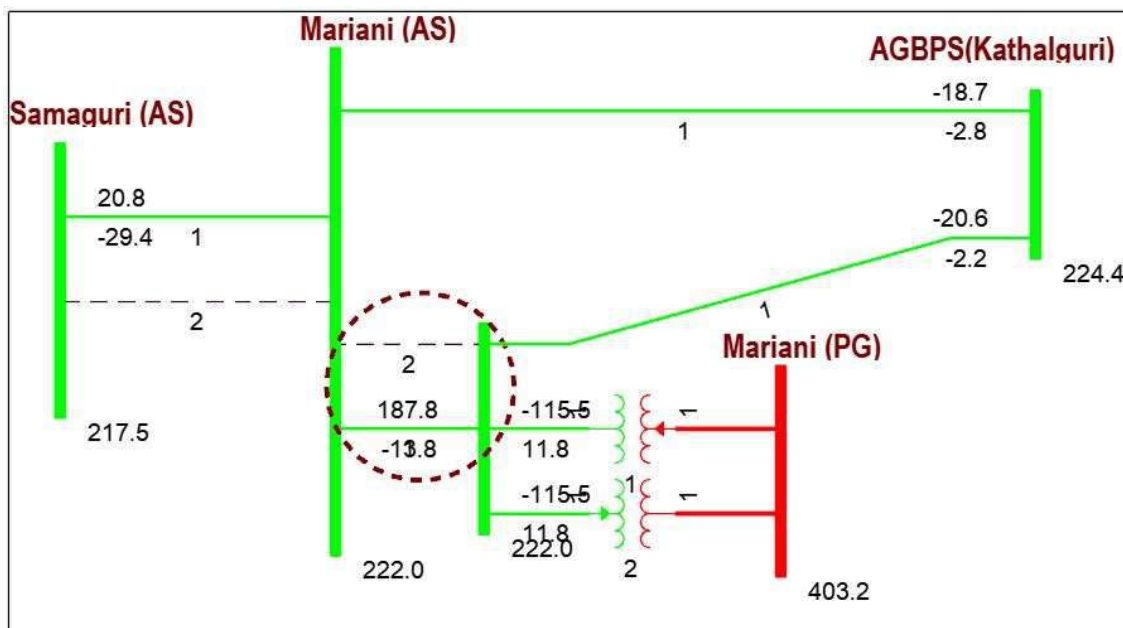


Figure-4: Connectivity of 400/220 KV Mariani (PG) with Upper Assam system

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

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

1. Early commissioning of the second circuit of the 220 kV Mariani (PG) – Mariani (AS) Transmission Line by AEGCL.
2. Bay upgradation of 220 kV Mariani (PG) – Mariani (AS) Transmission Line at Mariani (AS) –Shall be done by PGCIL

As per deliberation of 230th OCC meeting dated 19.09.2025, AEGCL informed, regarding the second circuit of 220kV Mariani (PG)-Mariani (AS) line, that survey has been done and some modifications are required to be



done in the LILO portion. Also, PowerGrid assured to upgrade the bay equipment's at Marinai(AS) end shortly.

Deliberation of TCC

The Representative of AEGCL informed the Forum that the survey for the second circuit of the 220 kV Mariani (PG)–Mariani (AS) line has been completed. He further informed the Forum that the timeline for completion of the work would be communicated in the forthcoming NERPC meeting. The Representative of Power Grid apprised the Forum that the bay upgradation work for the second circuit of the 220 kV Mariani (PG)–Mariani (AS) line is expected to be completed by the first week of December 2025. After brief deliberation, the Forum took note of the information, and the agenda item was placed before the NERPC for information.

Deliberation of RPC

RPC noted the deliberation of TCC.

5.11 Early commissioning of 400/220 kV Rangia substation and the associated transmission infrastructure

The loading on 220 kV Rangia-BTPS D/C is not N-1 compliant for most of the time during peak demand period. Tripping of any one circuit of 220 kV Rangia-BTPS D/C would lead to grid disturbance in these areas. Since August 2025, four grid disturbances have occurred in the Rangia area, resulting in an load loss in the tune of 160-250 MW. The details of these disturbances are provided below:

Sl No	Areas	Event Date & Time	Restoration Date & Time	Load Loss in MW
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NORTH EASTERN REGIONAL POWER COMMITTEE

1	Rangia(old), Kamalpur, Sipajhar& Tangla areas of Assam &Motonga& and radially connected substations at Bhutan system	05-08-2025 15:40	05-08-2025 16:20	160
2	Rangia(new),Rangia(old), Amingaon, Kamalpur, Sipajhar,Tangla, Nalbari and Nathkuchi areas of Assam	12-08-2025 21:25	12-08-2025 22:22	250
3	Rangia(new),Rangia(old), Nalbari, Nathkuchi, part load of Bornagar, part load Shishugram, Sipajhar, Tangla, Amingaon, Kamalpur and Hajo areas of Assam	13-09-2025 02:19	13-09-2025 02:38	170
4	Rangia(new), Rangia(old), Nalbari, Nathkuchi, part load of Bornagar, part load Shishugram, Tangla, Amingaon, Kamalpur& Hajo areas of Assam and radially connected substations at Bhutan system	14-10-2025 13:01	14-10-2025 13:21	191

Apart from that, Rangia and Bongaigaon area of Assam Power system are facing severe low voltage issues.

To address these challenges, early commissioning of the approved 400/220 kV Rangia Substation and its associated transmission infrastructure is crucial. As per the deliberations of the 29th NERPC Meeting, Assam informed the forum that the 400 kV Rangia Substation is expected to be commissioned by July 2026.

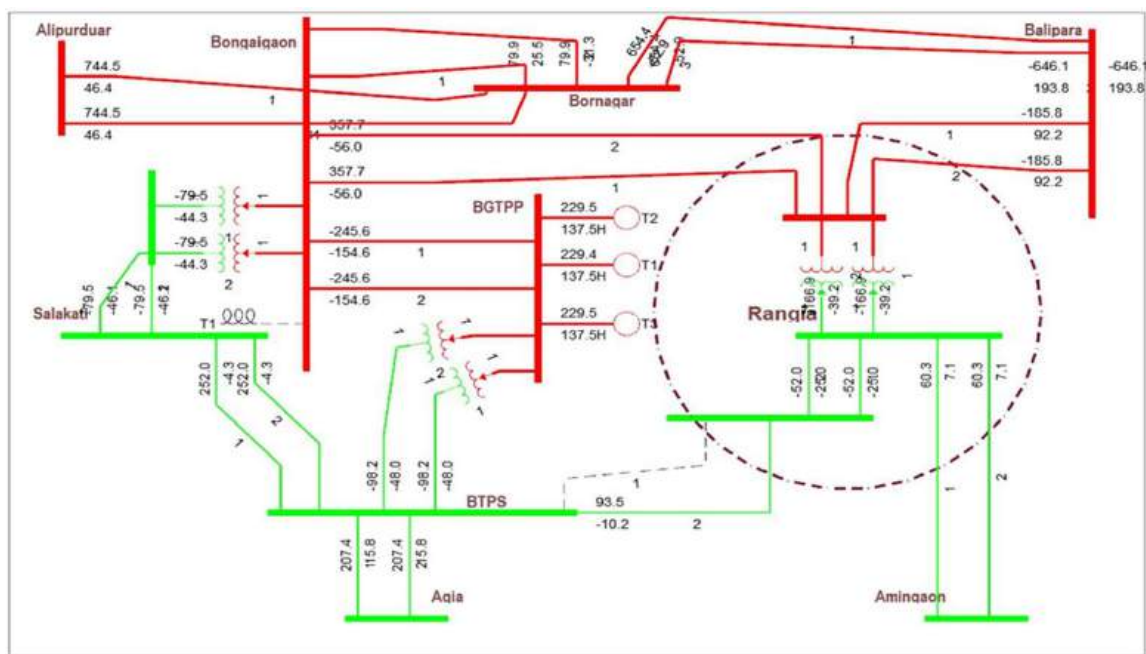


Figure-5.: Future scenarios (2029-30) of Assam power system

AEGCL is requested to expedite the commissioning of the 400/220 kV Rangia Substation and the associated transmission infrastructure well in advance of the peak summer of 2026, in order to enhance grid reliability and voltage stability in the Rangia and Bongaigaon areas of the Assam power system.

Deliberation of TCC

The Representative of AEGCL informed the Forum that commissioning of 400/220 kV Rangia substation and the associated transmission infrastructure will do before July-2026. NERLDC apprised forum that due to high load demand during summer it is benefitting for Assam power system if 400/220 kV Rangia substation and the associated transmission infrastructure commissioned before Peak Summer-2026. After brief deliberation, the Forum requested AEGCL to expedite the commissioning of 400/220 kV Rangia substation and the associated transmission infrastructure as loading of the 220KV Rangia-BTPS DC line is not N-1



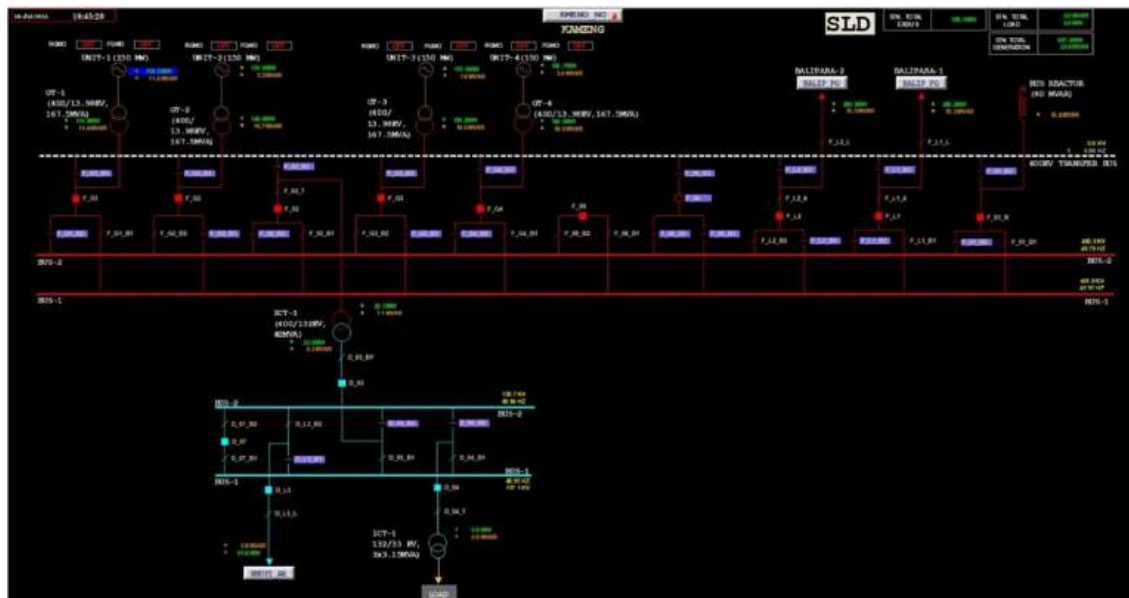
compliance during peak demand period and the agenda item is placed before the NERPC for information.

Deliberation of RPC

RPC noted the deliberation of TCC.

5.12 Commissioning of 400 kV Transfer Bus at Kameng HEP -NERLDC

400 kV substation at Kameng has been in operation since March 2019. As per the approved scheme, the 400 kV bus configuration follows a Double Main and Transfer Bus arrangement. However, it is observed that since its inception, the 400 kV Transfer Bus at Kameng HEP has not been commissioned, even after more than six years of the commissioning of the 400/132 kV substation. The absence of the Transfer Bus is adversely impacting grid reliability, particularly during maintenance activities, and poses operational challenges.



As per deliberation of 228th OCC meeting dated 25.07.2025, NEEPCO informed that the transfer Bus has not been operational since the CoD of the



station due to disagreement with the OEM (BHEL) on the design related matter. He added that BHEL has recently agreed on the design as proposed by NEEPCO and the work will start shortly. Further he informed that the work will tentatively be completed by March'26.

NEEPCO is requested to provide the current status for commissioning 400 kV Transfer Bus at Kameng HEP.

Deliberation of TCC

The Representative of NEEPCO informed forum that work of 400 kV Transfer Bus at Kameng HEP is in progress and will be completed by March-2026. After brief deliberation, the Forum took note of the information, and the agenda item was placed before the NERPC for information.

Deliberation of RPC

RPC noted the deliberation of TCC.



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

6.1 Latest expected tariff details of Subansiri Lower Hydro Electric Project – Tripura

It is understood that the Subansiri Lower Hydro Electric Project (2000 MW) being developed by NHPC in Arunachal Pradesh is at an advanced stage of commissioning where the commissioning of the first two (2) units were initially expected in August 2022. However, the actual commissioning of the project appears to be delayed considerably and expected very soon.

In view of the time gap between the originally declared and the expected commissioning dates, it is anticipated that there may be revisions in the project cost and tariff structure. TSECL has already communicated this concern to NHPC, with a copy endorsed to NERPC and NERLDC, seeking clarification on the matter in the month of June, 2022.

Accordingly, it is requested that NHPC may kindly intimate the latest expected tariff details for the Subansiri Lower HEP so that TSECL can review and assess the tariff implications prior to according its concurrence and before the commissioning of the project.

Deliberation of TCC

Member Secretary, NERPC stated that the matter will be further discussed in CCM meetings of NERPC.

6.2 Proposal to connect the Banderdewa Sub-Station (2x31.5 MVA, 132/33 kV) to the 132 kV S/C Gohpur–Nirjuli Transmission Line (GITL) through 132 kV LILO transmission line - Ar. Pradesh

The **3-Phase, 2 x 31.5 MVA, 132/33 kV Banderdewa Sub-station**, constructed under the Comprehensive Scheme for Strengthening of Transmission & Distribution System in Arunachal Pradesh & Sikkim (CSST&DS-AP&S), is presently lying idle due to the non-availability of a

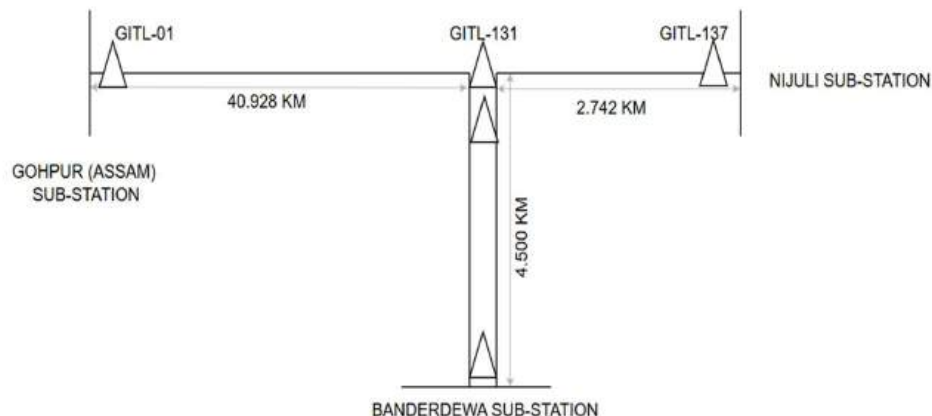
power source required for its energization. This situation has arisen from the non-completion of the upstream 132 kV transmission line originally planned to connect the sub-station to its intended power source.

In recent years, with the establishment of multiple interconnections of the Gohpur (Assam) sub-station with other nearby sub-stations, the power source redundancy requirement at Gohpur has been adequately met. Consequently, the existing **132 kV Single Circuit Gohpur-Nirjuli Transmission Line (GITL)** has become **underutilized**, transmitting minimal power.

In view of the above, it is proposed to carry out a LILO (Line-In Line-Out) of the GITL at the 132/33 kV Banderdewa Sub-station to utilize the existing idle infrastructure and to ensure reliable power supply to the Banderdewa area.

Matter was discussed in 48th CMETS meeting and CTU has done some preliminary study.

SLD of the proposed LILO from 132 kV Gohpur-Itanagar Transmission Line (GITL) to 132/33 kV Banderduwa Sub-Station





Deliberation of TCC

CTU informed that the matter was discussed in 48th CMETS in which a preliminary study was done for the proposal of LILO of 132kV Gohpur-Nirjuli line. Further, he informed that alternate proposals were opined in the meeting for LILO of Nirjuli-North Lakhimpur or Pare-N. Lakhimpur lines, to connect Banderdewa, which will be further deliberated upon in CMETS.

MS NERPC stated that the matter may be further discussed in CMETS for finalisation of the proposal.

Deliberation of RPC

RPC noted the deliberation of TCC.

6.3 Restringing of Kiphire-Meluri-Kohima 132 kV S/c line with conductor of existing ampacity along with upgradation of requisite bay equipment.

The 132kV Kiphire-Meluri-Kohima S/C Transmission line which was commissioned in the year 1996 with a line length of approximately 121 km serves as the primary source for providing power supply to the Districts of Phek, Meluri and Kiphire. This transmission line

feeds the 132/33kV, 12.5MVA Meluri Sub-station and the 132/66/33kV, 3x10MVA Kiphire Sub-station and also acts as the main source of power evacuation for the state owned 24MW Likimro Hydro Electric project. Power generated from the 24MW Likimro HEP is integrated into the Kohima Load Center, which functions as a critical transmission corridor in supplying power to several districts including the State Capital.

After nearly three decades of service, this transmission line has significantly aged and degraded. The physical condition of the conductors, insulators and jumpers has significantly deteriorated over time resulting in frequent faults



caused by snapping of conductors, breakage of jumpers and failure of porcelain disc insulators. These faults has led to multiple outages and grid disturbances thereby affecting the power availability and stability to Phek, Meluri and Kiphire Districts and also affects the power evacuation from Likimro HEP.

Given the importance of this line for power evacuation from Likimro HEP and supply to the critical Load Center of Kohima, any prolonged fault can significantly impact the state's power system. Due to the lengthy transmission line (121 km) passing through dense forests of hilly and remote terrains of the State, in the event of a prolonged fault, the only available alternative supply route for these Districts is the 66kV Tuensang-Kiphire line which is inadequate and unreliable given its limited capacity and poor line availability. The line is expected to experience a substantial increase in loading due to increased load demand and capacity addition of the upcoming generation sources which includes the proposed Tizu Valley HEP (24 MW), Zungki HEP (24 MW), Lower Tizu HEP (42 MW), Lower Likimro HEP (8.1 MW) in addition to the existing Likimro HEP (24MW) and Ponglefo (1 MW) thereby cumulatively contributing 123.1 MW to the grid.

Hence, the proposed restringing and strengthening of the Kiphire-Meluri-Kohima 132 kV S/c line with conductor of existing ampacity is imperative for maintaining system reliability and ensuring stable power supply across several regions of the State.

The proposal “Restringing of Kiphire-Meluri-Kohima 132 kV S/c line with conductor of existing ampacity along with upgradation of requisite bay equipment (121km)” consists of following scope of works:

- c) Restringing of Kiphire-Meluri-Kohima 132 kV S/c line with conductor of existing ampacity.



- d) Upgradation of Requisite Bay equipment at 132/33kV Kohima, Meluri and Kiphire sub-station.

The project has been conceptualized and proposed with the following **goals & objectives:**

- vi. Restraining of the Transmission Line will improve Grid reliability by reducing the frequency and duration of line faults.
- vii. Reliable power evacuation path for the State owned 24MW Likimro Hydro Electric Project thereby supporting a safe and reliable integration of the energy source into the Grid.
- viii. Stable power supply to Phek, Meluri and Kiphire Districts of Nagaland.
- ix. Upgradation of bay equipment and restringing of conductors will enable reduction of technical faults, better operational efficiency and safety across the transmission line.
- x. The proposal shall contribute toward achieving the mandates of the CEA Grid Standards and the CEA (Measures relating to Safety and Electric Supply) Regulations through infrastructure renewal.

Department of Power, Government of Nagaland has submitted the proposal to the NERPC during September 2025.

In view of the above considerations, with the objective to enhance transmission reliability, minimize downtime, support the uninterrupted evacuation of hydro power from Likimro HEP and ensure stable power supply to Phek, Meluri and Kiphire Districts of Nagaland, NERPC may kindly approve the project to enable the State to avail PSDF funding for construction of the project.



TCC deliberation:

Member Secretary, NERPC stated that the matter will be discussed in subcommittee meetings of NERPC.

Deliberation of RPC

RPC noted the deliberation of TCC.

6.4 Restrunging of Kiphire-Tuensang-Mokokchung 132 kV S/c line with ACSR Panther conductor along with upgradation of requisite bay equipment.

The 132kV transmission line from Kiphire-Tuensang-Mokokchung forms a critical part of the intra state transmission network. The said transmission line connects the 132/66 kV Sub-station at Kiphire and 132/66 kV Sub-station at Mokokchung via Tuensang and is presently charged at 66 kV voltage level. The sub-station at Kiphire is connected to the 24 MW State owned Likimro Hydro Electric Project as well as to the Kohima Load Centre which caters power supply to the state capital Kohima and its surrounding districts. Additionally, the 132 kV transmission line is connected to the Mokokchung Load Center which caters power supply to the districts of Mokokchung, Zunheboto, Tuensang, Longleng, Mon, Shamator and Noklak.

The 132 kV transmission line was constructed in the 1990s using single ACSR Wolf conductor with a total length of 110 ckm. Due to aging infrastructure, the existing transmission system is prone to frequent breakdowns, voltage instability and poor power quality. The conductors, jumpers and its associated equipment has deteriorated which has often led to breakdown resulting in grid disturbances. Requirement for enhancement of this transmission line capacity has been a long felt need. Restrunging of



the 132 kV S/C line with ACSR Panther conductor along with upgradation of requisite bay equipment has been proposed under Transmission Plan 2035. The line is expected to experience a substantial increase in loading due to increased load demand and capacity addition of the upcoming generation sources which includes the proposed Tizu Valley HEP (24 MW), Zungki HEP (24 MW), Lower Tizu HEP (42 MW), Lower Likimro HEP (8.1 MW) in addition to the existing Likimro HEP (24MW) and Ponglefo (1 MW) thereby cumulatively contributing 123.1 MW to the grid. Replacement of ACSR Wolf conductor with ACSR Panther is required as the present conductor is not capable to handle the projected load growth. Restraining of the said transmission line is vital to enhance system reliability, reduce transmission losses, provide redundancy to the existing network and enhance load carrying capacity for evacuation of power generated from the existing and the proposed Hydro projects.

Upon completion of the Project, the existing 132 kV transmission line, which is currently charged at 66 kV voltage will be permanently converted to a 132 kV system thereby phasing out the 66kV system. The 132 kV end equipment at Kiphire and Mokokchung has already been upgraded, while the 66/33 kV Tuensang Substation is being upgraded to a 132/33 kV GIS Sub-station under North Eastern Regional Power System Improvement Project (NERPSIP). This will enable the State to have a complete 132 kV Transmission line loop connecting Kiphire-Kohima-Dimapur and Kiphire-Tuensang-Mokokchung-DHEP-Dimapur Transmission lines enhancing connectivity to the North-East Grid.

The proposal consists of the following scope of works:

- i) Restraining of Kiphire-Tuensang-Mokokchung 132 kV S/C line (charged at 66kV voltage level) with ACSR Panther conductor.



- ii) Upgradation of the 132 kV bay equipment at 132/66 kV Kiphire Substation, 132/33 kV Tuensang Sub-station and 132/66 kV Mokokchung Sub-station.

The project has been conceptualized and proposed with the following goals and objectives:

- i) The proposed restringing of 132 kV transmission line from Kiphire to Mokokchung via Tuensang aims to create a robust intra state transmission corridor that would enhance power reliability, reduce transmission losses and provide redundancy to the existing network.
- ii) Up-gradation of the transmission lines will enhance load carrying capacity for the projected load growth and evacuation of power generated from the existing and the proposed Hydro projects.
- iii) Restringing of 132 kV Transmission lines with ACSR Panther conductor shall enhance reliability and quality of power supply to Kiphire, Tuensang and surrounding regions.

Department of Power, Government of Nagaland has submitted the proposal to the NERPC during September 2025.

In view of the above, with the aim to enhance transmission efficiency, reliability and load carrying capacity, NERPC may kindly approve the project to enable the State to avail PSDF funding for construction of the project.

TCC deliberation:

Member Secretary, NERPC stated that the matter will be discussed in subcommittee meetings of NERPC.

RPC deliberation:

RPC noted as above.



6.5 Restrtring of Kohima-Wokha-Doyang HEP 132 kV S/c line with conductor of existing ampacity along with upgradation of requisite bay equipment.

The 132kV Kohima-Wokha-Doyang HEP 132 kV Single Circuit (S/C) Transmission line, commissioned in the year 1988 is one of the oldest transmission lines in Nagaland with a line length of approximately 91 km. The said transmission line connects 220/132/33kV Zhadima Sub-station, 132/33kV Nagaland University Sub-station, 132/33kV Chiephobozou Sub-station, 132/33kV Wokha Sub-station and 132/33kV Sanis Sub-station thus providing power supply to the districts of Tseminyu and Wokha as well as parts of Kohima District. This transmission line is also one of the major evacuation corridor for Doyang Hydro Electric project (HEP). Power generated from Doyang HEP is integrated into the Kohima Load Center via this transmission line which is a critical transmission hub in supplying power to several districts including the State Capital.

The physical condition of the conductors, insulators and jumpers of this transmission line has deteriorated due to age, weather and mechanical fatigue as it has been in service for more than 35 years. Frequent line faults and maintenance issues caused due to snapping of conductors, breakage of jumpers and failure of porcelain disc insulators has resulted in unwarranted outages and grid disturbances severely affecting the reliability of power supply to multiple districts. During outage of this line, Kohima Load Center is unable to draw power generated from Doyang HEP which affects the reliability of the Grid especially during contingency or high load conditions. This places additional stress on the alternate supply routes of Kohima Load Center (132kV Karong-Kohima line and 132kV Dimapur (PG)-Kohima line) leading to reduced redundancy and risk of supply interruptions during peak demand or fault conditions feeding the State Capital and adjoining districts.



Therefore, the proposal for restringing and strengthening of the Kohima-Wokha-Doyang HEP 132 kV S/C line with conductor of existing ampacity has become essential for maintaining system reliability and ensuring stable power supply across several regions of the State.

The proposal “Restringing of Kohima-Wokha-Doyang HEP 132 kV S/C line with conductor of existing ampacity along with upgradation of requisite bay equipment (91km)” consists of following scope of works:

- a) Restringing of Kohima-Wokha-Doyang HEP 132 kV S/c line with conductor of existing ampacity.
- b) Upgradation of Requisite Bay equipment at 132/33kV Kohima, Wokha and Doyang HEP sub-stations.

The project has been conceptualized and proposed with the following **goals & objectives:**

- i. Restringing of the transmission line will improve grid reliability by reducing the frequency and duration of line faults.
- ii. Providing a reliable power evacuation path from Doyang HEP to Kohima Load Center to minimize overloading on 132kV Karong-Kohima line and 132kV Dimapur(PG)-Kohima line and ensuring N-1 contingency.
- iii. Stable power supply to Tseminyu and Wokha Districts and parts of Kohima District which are heavily dependent on this transmission line.
- iv. Upgradation of Bay equipment and restringing of conductors will enable reduction of technical faults, better operational efficiency and safety across the transmission line.



- v. The proposal shall contribute toward achieving the mandates of the CEA Grid Standards and the CEA (Measures relating to Safety and Electric Supply) Regulations through infrastructure renewal.

Department of Power, Government of Nagaland has submitted the proposal to the NERPC during September 2025.

In view of the above considerations, with the objective to enhance transmission reliability, provide reliable power evacuation from Doyang HEP to Kohima Load Center and ensure stable power supply to Tseminyu, Wokha and Kohima Districts of Nagaland, NERPC may kindly approve the project to enable the State to avail PSDF funding for construction of the project.

TCC deliberation:

Member Secretary, NERPC stated that the matter will be discussed in subcommittee meetings of NERPC.

RPC deliberation:

RPC noted as above.

Sr. No.	Name	Designation	Organisation	Phone No.	Signature	
					30th TCC Meeting on 13-11-2025	30th NERPC Meeting on 14-11-2025
1	Sh. Metbah Lyngdoh	Hon'ble Power Minister & Chairman NERPC	Meghalaya			
2	Pu F. Rodinglana	Hon'ble Minister of State, Power & Electricity, Commerce & Industries	Mizoram			
3	Shri Jikke Tako,	Hon'ble MLA and Hon'ble Advisor (Power-Electical)	Arunchal Pradesh	9436898828		
4	Smti Pansngiat Sun	Director (Transmission) / Chairman TCC	MePTCL	6909783130		
5	Mr Davis Shabong	PA to Hon'ble Power Minister, Meghalay	Meghalaya	8787627315		
6	Pu Vanlalmachhuana	PS to Hon'ble Minister of State, Power & Electricity, Commerce & Industries, Mizoram	Mizoram	9862237347		
7	Pi K. Lalrinzuali,	Secretary, Power & Electricity Deptt.	Mizoram	9436154737		
8	Er. Laltlanthanga,	CE (D), Power & Electricity Deptt.	Mizoram	9436151579		
9	Sh. Jai Shankar	MD, NETA	NETC	9868282149		
10	Sh. Ritesh Kumar	Head - HR & Admin.	NETC	9868804280		
11	Sh. Navin Kumar Poddar	Head - Projects & O&M	NETC	9555593044		
12	Biswajit Basu, MD	MD	TSECL	9818183180		
13	Debabrata Pal,	DGM(Commercial)	TSECL	9436500244		
14	Rajesh Gupta	ED(NER)	POWERGRID	9910378110		
15	Mrs Manju Gupta	ED (Commercial & RC)	Powergrid	9910378111		
16	Md. Zakir	CGM	APGCL	7002198155		
17	Nabajit Phukan	DGM(R&P)/OSD to MD APGCL	APGCL	9401131200		
18	Amar Chetri	AGM	APGCL	7002032889		
19	Bijit Goswami	ED(O&M)	NEEPCO	9436110244		
20	Ripunjoy Bhuyan	i/c ED(Commercial)	NEEPCO	6001396062		
21	Jayanta Mazumdar	GM(Commercial)	NEEPCO	9435062620		
22	K. B. Jagtap	Member Secretary	NERPC	8652776033		
23	D. K. Bauri	Director (Commercial)	NERPC	98836 17236		
24	Kanchan Chauhan	Deputy Director	NERPC	83750 70150		
25	Vikash Shankar	Asst. Director	NERPC	94553 31756		
26	Lenin B	Asst. Secretary	NERPC	83359 05973		
27	J. D. Bhammar	Asst. Director	NERPC	89807 57460		
28	Arvind Patle	Addl. General Manager	NVVN	9425178284		
29	H. Manimukta Singh	GM (Substation/SLDC)	MSPCL	8974007300		
30	S. Sanajaoba Singh	DGM (400kV SSD)	MSPCL	9774166658		
31	L. Surchandra Singh	DGM (Commercial, SLDC)	MSPCL	8259059285		
32	Laishram Ritu	DGM (Sub-Station, Planning)	MSPCL	9612882984		
33	Ashim Paul	Chief Manager	POWERGRID	9436602688		
34	Sajan George	Head of NERLDC	NERLDC	9910378041		
35	Sugandh Prasad Barnwal	CGM (SL)	NERLDC	9433041812		
36	Sumit Kumar	Manager, Market Operation	NERLDC	7005371729		

Sr. No.	Name	Designation	Organisation	Phone No.	Signature	
					30th TCC Meeting on 13-11-2025	30th NERPC Meeting on 14-11-2025
37	Bastov Saikia	Engineer, SO	NERLDC	8876640928	<i>Bastov</i>	<i>Bastov</i>
38	Saugato Mondal	GM, SL	NERLDC	9433041855	<i>Saugato</i>	<i>Saugato</i>
39	Chandan Deka	CGM (LDC Head),	SLDC, AEGCL	9435733889	<i>Chandan</i>	
40	Debasish Choudhury	DGM (Operations)	SLDC, AEGCL	9435732546	<i>Debasish</i>	
41	Nillutpal Boruah	AGM (System Operation)	SLDC, AEGCL	7002885719	<i>Nillutpal</i>	
42	Shri R.K.Sharma,	IAS, the Secretary to Govt.of Arunachal Pradesh	ARUNACHAL	9436049444		<i>Rusha</i>
43	Ginko Lingi	CE (Power), State Distribution	ARUNACHAL	9612153184	<i>Ginko</i>	
44	Modam Jini,	CE (Power), Eastern Elecical Zone , State Distribution	ARUNACHAL	8132817736	<i>Modam</i>	
45	T. K. Tara,	CE (Power), TP&M Zone, State Transmission	ARUNACHAL	9436045003	<i>T.K. Tara</i>	<i>T.K. Tara</i>
46	Jomba Nasho	Superintending Engineer (E), Commercial Zone	ARUNACHAL	7085483162	<i>Jomba</i>	
47	Purik Buchi,	Assistant Engineer (E), SLDC	ARUNACHAL	9366118384	<i>Purik</i>	<i>Purik</i>
48	Er. Mhonlumo Kikon	Superintending Engineer (Generation)	Dept. of Power, Nagaland	9862244295	<i>Er. Mhonlumo</i>	<i>Er. Mhonlumo</i>
49	Er. S.I Asangba Tikhir	Executive Engineer (Transmission)	Dept. of Power, Nagaland	7085508502	<i>Er. S.I Asangba</i>	<i>Er. S.I Asangba</i>
50	Er.Y. Akito Sema	Executive Engineer (Distribution)	Dept. of Power, Nagaland	7005632870	<i>Er.Y. Akito</i>	<i>Er.Y. Akito</i>
51	Vikas Bagadia	Dy. COO	CTUIL	9873549248	<i>Vikas</i>	<i>Vikas</i>
52	Rajesh Kumar	Sr. GM	CTUIL	9811397471	<i>Rajesh</i>	<i>Rajesh</i>
53	Shiv Kumar Gupta	Sr. DGM	CTUIL	7007496879	<i>Shiv</i>	<i>Shiv</i>
54	Anil Debbarma	AGM	SLDC TRIPURA TPTL	9612589250	<i>Anil</i>	
55	Subir Debbarma	AGM	TPTL	9436136804	<i>Subir</i>	
56	Naveen Srivastava	Director(Operations)	PGCIL	8004950955		<i>Naveen</i>
57	Devaprasad Paul	DGM (Dir(Optn)Sectt)	PGCIL	9435382360	<i>Devaprasad</i>	<i>Devaprasad</i>
58	Nitesh Ranjan	AVP- Head O&M	MUML	9050009692	<i>Nitesh</i>	
59	Mahesh Bhagat	Lead Regulatory Operations	MUML	9206682124	<i>Mahesh</i>	<i>Mahesh</i>
60	Mr. A. F. G Momin	Director (Distribution)	MePDCL	9245048628	<i>Mr. A. F. G Momin</i>	<i>Mr. A. F. G Momin</i>
61	Mr. B. Wankhar	Chief Engineer (Project)	MePDCL	9436105914	<i>Mr. B. Wankhar</i>	<i>Mr. B. Wankhar</i>
62	Banbhalang Nikhla	CE(D) EZ	MePDCL	9436314163	<i>Banbhalang</i>	<i>Banbhalang</i>
63	Mr. M. F. Mawlieh,	Superintending Engineer (EM)	MePDCL	9436108972	<i>Mr. M. F. Mawlieh</i>	<i>Mr. M. F. Mawlieh</i>
64	Mr. L. Lyndem	CE (Generation)	MePDCL	9402301646	<i>Mr. L. Lyndem</i>	<i>Mr. L. Lyndem</i>
65	Mr. W. Khyriem	Superintending Engineer (Generation Circle-1)	MePGCL	9856007107	<i>Mr. W. Khyriem</i>	<i>Mr. W. Khyriem</i>
66	Mr. B. Das	Superintending Engineer (HQ)	MePGCL	8415041336	<i>Mr. B. Das</i>	<i>Mr. B. Das</i>
67	Shri Tyngshainlang Gidon	Superintending Engineer (SLDC)	MePTCL	6009094044	<i>Shri Tyngshainlang</i>	<i>Shri Tyngshainlang</i>
68	Shri David Jeremy Lyngdoh	Superintending Engineer-I, MePTCL	MePTCL	9863063375	<i>Shri David</i>	<i>Shri David</i>
69	Sh. Arindam Sinha	RED (ER-II & SR)	NTPC		<i>Sh. Arindam</i>	<i>Sh. Arindam</i>
70	Sh. S. K. Pradhan	GM(Commercial)	NTPC	9437049168	<i>Sh. S. K. Pradhan</i>	<i>Sh. S. K. Pradhan</i>
71	Sh. Parimal Piyush,	AGM(Commercial)	NTPC	9650990014	<i>Sh. Parimal</i>	<i>Sh. Parimal</i>
72	Sh. Praveen Saxena	MD	OTPC	9911322334	<i>Sh. Praveen</i>	
73	Sh. Pravbhat Chandra	Head (O&M)	OTPC	9560299324	<i>Sh. Pravbhat</i>	
74	Lalhminghluia	Superintending Engineer, P&ED, Mizoram	P&ED, Mizoram	7005797636	<i>Lalhminghluia</i>	<i>Lalhminghluia</i>
75	H. Lalruatkima	Superintending Engineer, P&ED, Mizoram	P&ED, Mizoram	9862925462	<i>H. Lalruatkima</i>	<i>H. Lalruatkima</i>
76	Lalhmingliana	Superintending Engineer, P&ED, Mizoram	P&ED, Mizoram	9612440282	<i>Lalhmingliana</i>	<i>Lalhmingliana</i>

Sr. No.	Name	Designation	Organisation	Phone No.	Signature	
					30th ICC Meeting on 13-11-2025	30th NERPC Meeting on 14-11-2025
77	Sh. V. K. Singh	Member (Power System)	CEA	9810177609		
78	Sh. Hemanth Jain	Member (Go&D)	CEA	9818301995		
79	Sh. Sanjay Goel, IAS	CMD, MeECL	MeECL	9436313316		
80	Sh. Biswajit Pegu, IAS	Managing Director	APGCL/AEGCL			
81	Sh. Bikram Bordoloi	DGM(BD&T)	AEGCL	9435558545		
82	Sh. Rupankar Goswami	AGM (AEGCL)	AEGCL	9613146565		
83	Sh. Mohit Kumar Gupta	Chief Manager (MO)	NLDC	9650430505		
84	Sh. Dwipen Moral	CGM(COM & EE)	APDCL	9435142426		
85	Sh. Darshan Kumar Das	DM (TRC)	APDCL	9101487012		
86	Sh. Sanjib Kalita	DM (TRC)	APDCL	8011100417		
87	N S Mandal	MS, NERPC	ERPC	9958389967		
88	Shri Jadav Saikia, IAS	Secretary to the Govt. of Assam, Power Dept.	Power Dept. Govt. of Assam	9435095180		
89	Bikram Singh	ED Marketing	PTC India	9810626742		
90	S Adhikari	Director (Tech.), NHPC Ltd	NHPC	9800848003		
91	I P Ranjan	ED (O&M), NHPC Ltd	NHPC	9805073456		
92	P K Ray	ED (Commercial), NHPC Ltd	NHPC	9800014544		
93	A N Thakur	GGM (O&M), NHPC Ltd	NHPC	9800935728		
94	Ranjeet Thakur	GM (Commercial), NHPC Ltd	NHPC	9911674949		
95	Md Farooqe	GM (Commercial), NHPC Ltd	NHPC			
96	S K Mishra	GM (O&M), NHPC Ltd	NHPC	9910103478		
97	Dharmendra Kumar	DGM (E), NHPC Ltd	NHPC	9560891615		
98	Vijay Kumar	DGM (E), NHPC Ltd	NHPC	9818696821		
99	Deepak Rawat	DGM (E), NHPC Ltd	NHPC	9818392423		
100	Rahul Ranjan	DGM (E&C), NHPC Ltd	NHPC	9810287728		
101	Jaganath Pani	SM (E), NHPC Ltd	NHPC	8800021271		
102	Kanti Soni	GSM(M) NHPL Ltd.	NHPC	9312071879		
103	Nandkishor Bhammarkar	DM (E), NHPC Ltd	NHPC	9906907887		

104 RAHUL RANJAN DGM (E&C), NHPC Ltd. NHPC

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