



सत्यमेव जयते

AGENDA
FOR
29TH NETeST MEETING

Time of meeting : 11:30 Hrs.

Date of meeting : 05th September, 2024
(Thursday)

Venue : Hotel Royale De' Casa,Guwahati

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NORTH EASTERN REGIONAL POWER COMMITTEE

AGENDA FOR 29TH NETeST MEETING TO BE HELD ON 05.09.2024 (THURSDAY) AT 11:30 HRS

1. PART-A: CONFIRMATION OF MINUTES

1.1. Confirmation of Minutes of 28th Meeting of NETeST Sub-Committee of NERPC

The minutes of 28th meeting of NETeST Sub-committee held on 14.05.2024 at NERPC, Shillong were circulated vide letter No. No. NERPC/NETeST/2024/546-585 dated 28th May, 2024.

The following comments have been received from CTU:

Sr.No and Agenda as per 28th NETeST MoM	As per 28th NETeST MoM (Deliberation)	Suggested modification in 28th NETeST MoM
Sr. No. 2.5: Dual reporting of RTU, PMU, VOIP, AGC etc applications on dual channel to RLDC and Back up RLDC.	<p>CTU representative briefed the agenda item.</p> <p>Assam and Tripura responded that the cost implication is very high for the States. Keeping in mind, the financial constraints of the NER States, all the States requested CTU to apply for PSDF funding.</p> <p>NERPC advised CTU to explore the possibility of using spare STM 16 FOTE instead of</p>	<p>CTU representative briefed the agenda item.</p> <p>Assam and Tripura responded that the cost implication is very high for the States. Keeping in mind, the financial constraints of the NER States, all the States requested CTU to apply for PSDF funding.</p> <p>However, CTU stated that POWERGRID shall prepare a DPR for this project and submit for PSDF funding after finalization of scheme.</p>

	<p>procuring new STM 16 FOTE to reduce the cost implications.</p> <p>Member Secretary, NERPC opined that CTU can plan for redundancy including all ISTS, ISGS and TSP keeping in mind the cost-benefit analysis.</p>	<p>NERPC advised CTU to explore the possibility of using spare STM 16 FOTE instead of procuring new STM 16 FOTE to reduce the cost implications.</p> <p>Member Secretary, NERPC opined that CTU can plan for redundancy including all ISTS, ISGS and TPS keeping in mind the cost-benefit analysis.</p>
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The Sub-committee may confirm the minutes of 28th NETeST meeting of NERPC.

2. PART-B: ITEMS FOR DISCUSSION

AGENDA FROM NERPC

2.1. Commencement of Audit of Communication systems installed at ISTS/SLDC stations

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 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.

NERPC along with NERLDC have identified some critical stations for audit of communication system and physical inspection in view of performance of the communication network. List of proposed stations (priority wise) for carrying out communication Audit will be deliberated.

Members may discuss.

2.2. Draft Central Electricity Authority (Cyber Security in Power Sector) Regulations, 2024

As per Section 177 of the Electricity Act, 2003, the Central Electricity Authority (CEA) has notified the draft Central Electricity Authority (Cyber Security in Power Sector) Regulations, 2024. The proposed draft regulations are available on the CEA Website www.cea.nic.in for inviting public comments. The Regulations can also be inspected in the office of Chief Engineer (Legal), Sewa Bhawan (North Wing), Room No. 622, 6th Floor, R. K. Puram, New Delhi-110066 on any working day till 10th September, 2024, between 1100 hrs to 1600 hrs. NERPC has circulated the draft regulations to all the stakeholders of NER on 29/08/2024 via email. The draft regulations are attached as Annexure B 2.2.

All the Stakeholders are requested to send their comments on the draft regulations to Chief Engineer (Legal), Sewa Bhawan (North Wing), Room No. 622, 6th Floor, R. K. Puram, New Delhi-110066 by post or through e-mail (celegal-cea@gov.in) latest by 10th September, 2024.

Members may discuss.

2.3. Communication System Outage Planning

As per Regulation 7.3 of Central Electricity Regulatory Commission (Communication System for inter-State transmission of electricity) Regulations, 2017:

Quote:

The RPC Secretariat shall be responsible for outage planning for communication system in its region. RPC Secretariat shall process outage planning such that uninterrupted communication system is ensured.

Unquote

Communication System Outage Planning will be limited to the following systems:

- (i) ISTS Communication System including ISGS
 - (ii) Intra-state Communication System being utilized for ISTS Communication
 - (iii) ICCP links between Main & Backup RLDCs, Main & Backup SLDCs & Main & Backup NLDCs.
 - (iv) Inter-regional AGC links
 - (v) Any other system agreed by the sub-group
- Communication System Outage Planning (CSOP) meeting shall be conducted during the third week of every month normally (preferably through VC) to discuss and approve the proposed outages of communication links and equipment.
 - In case of any emergency outage requirement of communication links and equipment, Entities/Users/Owners may directly apply to respective RLDC with intimation to respective RPCs on D-2 basis. Confirmation of approval/rejection will be provided on D-1 basis by RLDCs in consultation with respective RPCs considering 24hrs processing window.
 - Detailed SOP of Communication System Outage Planning attached at Annexure-B 2.3

- As per Communication system outage planning SOP provision, Monthly Communication system Outage planning meeting needs to be conducted in current month for approval of planned outage of communication equipment's and links in next month.
- Hence, it is proposed to start outage planning for Communication system in line with provisions of Communication system regulations, 2017 and w.e.f. September 2024.

Members may discuss.

2.4. Guidelines on availability of communication system

- CERC vide order dated 19.01.2024 had approved the "Guidelines on Availability of Communication System" (Annexure-B.2.4) under the Central Electricity Regulatory Commission (Communication System for inter-State transmission of electricity) Regulations, 2017.
- In 28th NETeST meeting, the sub-committee decided that CTU shall provide the details of communication channels to NERLDC and NERLDC shall forward the information of the channels to NERPC for computation of availability of the communication systems.
- CTU agreed to provide the list of channels as per guidelines from UNMS. Member Secretary, NERPC asked CTU to provide the information within 2 weeks. CTU has not provided the requisite information. CTU to update on the matter.

Members may discuss.

AGENDA FROM POWERGRID

2.5. Issuance of Trial Operation Certificate for UNMS system.

The request for issuance of Trial Operation certificate has been already forwarded by POWERGRID to Grid-India on 29.02.2024, however, the trial operation certificate has not been received yet.

Members may discuss.

AGENDA FROM CTU

2.6. Scheme for OPGW replacement work on 132kV NEHU-Khliehriat ckt-1 line and laying of UGFO cable from Tower 25 of 132 kV NEHU – Mawlyndep line to NERLDC, Shillong. (agenda no. 3.6 of MoM of 26th TCC and NERPC meeting)

Deliberation of the 26th NERPC meeting:

NERPC noted and gave in-principle approval of the project subject to the approval of Board of Meghalaya and sharing of fiber laid under the scheme shall be as per the outcome of the decision of the CEA Committee on formulating comprehensive guidelines on OPGW sharing.

Till now Meghalaya has not updated the status of their board approval.

Meghalaya is requested to update the status of their board approval.

Members may discuss.

2.7. OPGW replacement on 132 kV Kahilipara - Umiam Stg. III -Umiam Stg. I – NEHU link and OPGW laying on 132kV Sarusujai to Umtru line for back up NERLDC connectivity (agenda no. 3.20 of MoM of 26th TCC and NERPC meeting)

Deliberation of the 26th NERPC Meeting: Meghalaya representative requested the forum that they will take their board approval for the scheme in a month's time. NERPC noted and gave in-principle approval of the project subject to board approval of Meghalaya and sharing of fiber laid under the scheme shall be subject to the outcome of the decision of the CEA Committee on formulating comprehensive guidelines on OPGW sharing.

Till now Meghalaya has not updated the status of their board approval.

Meghalaya is requested to update the status of their board approval.

Members may discuss.

AGENDA FROM AEGCL

2.8. Discussion on AMC of SCADA/EMS

It is to inform you that, the existing AMC of SCADA/EMS which was extended for 2 years under the scope of the contract is going to expire on 11.11.2024. The system is due for upgradation. As such, the DPR for upgradation has already been submitted to NERPC for onward submission to PSDF. However, before the upgraded system is put in place, the AMC of the existing system is going to expire. In view of the above M/S GE T&D Ind. Ltd. (the OEM of the existing system) was requested to submit an offer for further extension of AMC for another 2 years on 02.05.2024. M/S GE T&D Ind. Ltd. has reverted with techno-commercial offer on 09.07.2024. Following are the observations made on the offer:

1. The offered price is significantly high as compared to the existing AMC with the following exclusion from maintenance:
 - a. Any Upgrade (hardware & Software)
 - b. Signature and Patch updates for End of Support Products
 - c. External Firewalls (Checkpoint)
 - d. VC System
 - e. TV Screen-55 Inch
 - f. Printer
 - g. Input/Output ACDB, UPS Battery and Battery Bank
 - h. Any RTU and field equipment
 - i. Any new bay/station integration shall be done at mutually agreed price
 - j. L-3 support for deep application issues and customization for eDNA
 - k. Any item not mentioned in above Scope of Work
1. 3rd Party audits, mitigations and support
- m. SAN/NAS storage availability

For signature and patch update for the products which are not in their end of support is not specified. Inclusion of UPS along with DG has also not specified. Also, the license of the External firewall is going to expire in December, 2024 and End of Life for the same has been declared as December,

2025. Till the EOL the firewall shall be within the scope of AMC. After EOL the same may be upgraded by SLDCs on their own or by M/S GE T&D Ind. Ltd. as in the case of internal firewall.

2. In the existing AMC the scope (terms and condition) such as system availability, Manpower requirement, Service response requirements were broadly elaborated. The same is missing from the new offer.

The offer having such escalate financial implication for AMC with significant reduction in the scope of work appears very difficult to accept.

Hence, considering the above M/S GE T&D Ind. Ltd. has been requested to submit a revised offer on 24.07.2024. M/S GE T&D Ind. Ltd. has declined the request.

Also, other SLDCs of NER are nearing their 2-year extended AMC period. Looking at the above and to bring uniformity to the scope, financial implication, and terms and condition for extension of AMC beyond existing AMC, NERPC is requested to put up this matter in the forthcoming 29th NETeST meeting for discussion.

Members may deliberate

2.9. Maintenance of 170KM OPGW span between Mariani (AEGCL) and Samaguri (AEGCL)

At present 2 pairs of Fibers from 220KV Mariani AEGCL to 220KV Samaguri AEGCL GSS is being used for establishing redundant link between Mariani (PGCIL) and Misa (PGCIL) via Mariani(PG)-Mariani(AEGCL)-Samaguri (AEGCL)-Misa (PG). The OPGW installed in this line is under MW Vacation Earth wire replacement project awarded in the year 2011 to KEC. The OPGW link was finally handed over to AEGCL by PGCIL on 2018. At present AEGCL is looking after the healthiness of this OPGW link and also doing its maintenance and had also done some rectification works in certain sections of this line. It has been observed that proactive rectification work with dedicated live-line expertise Gang helps to quickly recover the OPGW link. But

it is not easy to hire and maintain a live line OPGW gang for such quantum of line length which otherwise becomes very expensive.

If any OPGW maintenance work for ULDC/PGCIL link is carried under RTM or any under cost recovery mode by PGCIL, the scope of OPGW maintenance for this 170KM OPGW span between Mariani (AEGCL) and Samaguri (AEGCL) may also be included in such schemes.

Members may deliberate

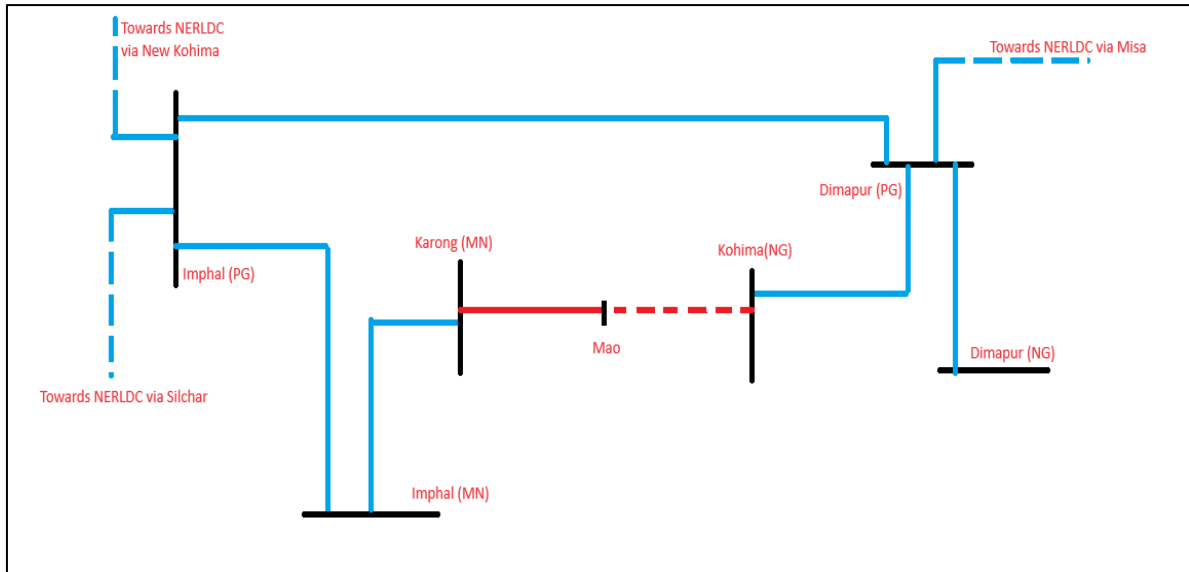
AGENDA FROM NERLDC

2.10. Missing link OPGW in 132 kV Karong-Kohima line

NERPSIP-Manipur has laid OPGW from Karong (in Manipur) up to Mao (the border of Manipur and Nagaland). However, there is currently no project planned to extend the OPGW from Mao to Kohima, which is necessary to complete the link from Karong to Kohima. This line is an ISTS connection between the two states. The OPGW connectivity will enhance the reliability and redundancy of the power systems in both Manipur and Nagaland, as well as for the entire North Eastern Region (NER).

As per MOM of 32nd CMETS-NER, DoP, Nagaland has agreed to install OPGW and associated equipment in the Nagaland portion of 132 kV Kohima (Nagaland) – Karong line i.e in the Mao to Kohima portion. (Please refer to Points 2.9 and 2.10 of MOM of 32nd CMETS-NER)

Nagaland is requested to intimate the forum under which scheme they will implement the OPGW link as well as the status of progress of the OPGW installation with target date of completion.



Members may deliberate.

2.11. Dharmanagar-Dullavcherra OPGW connectivity.

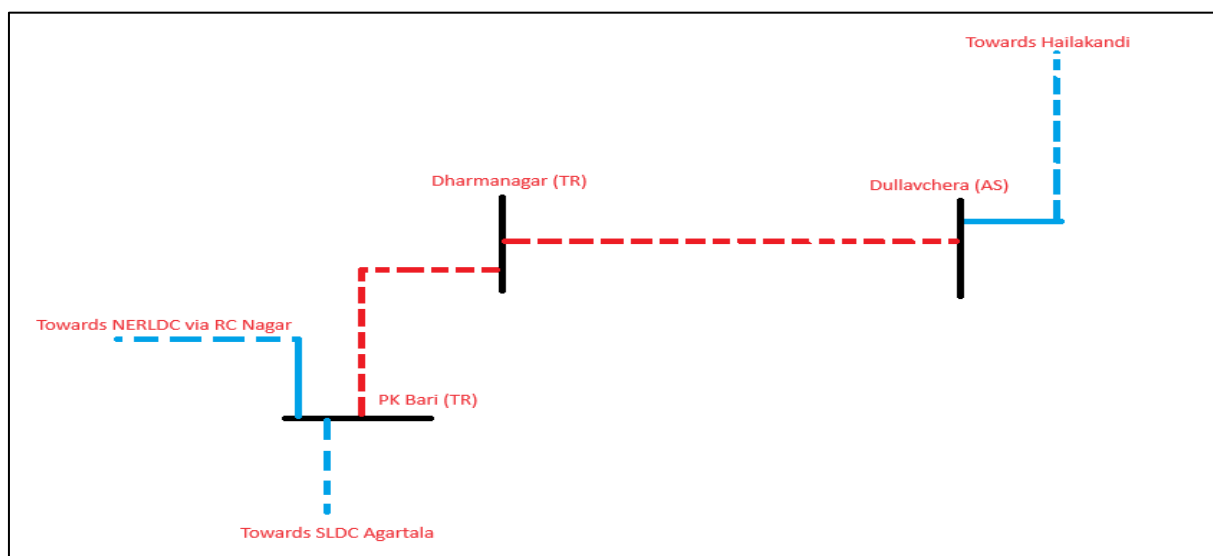
We would like to bring attention to the fact that Dharmanagar and Dullavcherra are state drawl points for Tripura and Assam, respectively. These stations have been deprived of OPGW connectivity for a long time, resulting in their data not being reported to SLDCs and NERLDC. Since these points are connected via the ISTS element 132 kV Dullavcherra - Dharmanagar line, their monitoring is imperative for NERLDC. Therefore, the forum requests a discussion on laying OPGW on the Dharmanagar - Dullavcherra - Hailakandi section to connect Dharmanagar and Dullavcherra with the ULDC Network.

NERLDC had put up this agenda in the 6th Communication Planning Meeting(CPM) of CTU for NER Region held in 23-08-2024. During the deliberation, Tripura official has confirmed that in the P K Bari (TR) to Dharmanagar (TR) portion, OPGW has already been installed under NERPSIP, but FOTE installation is pending. Assam and Tripura officials requested to implement OPGW in the Dharmanagar to Dullavcherra to Hailakandi portion [(37+35)km ~ 72 km length] for better data availability. Finally, CTU has agreed to initiate a fresh proposal to implement OPGW in the Dharmanagar

to Dullavcherra to Hailakandi portion. Alternately, CTU has asked PGCIL to include this portion under any existing OPGW scheme.

NERPSIP is requested to intimate the forum the target date of completion of FOTE installation in the P K Bari (TR) to Dharmanagar (TR) portion.

PGCIL is requested to intimate the forum about the possibility of inclusion of the Dharmanagar to Dullavcherra to Hailakandi portion under any on-going OPGW projects.



Members may deliberate

2.12. Connectivity of OPGW for 132 kV Kumarghat - PK bari for redundancy of Communication System of Tripura.

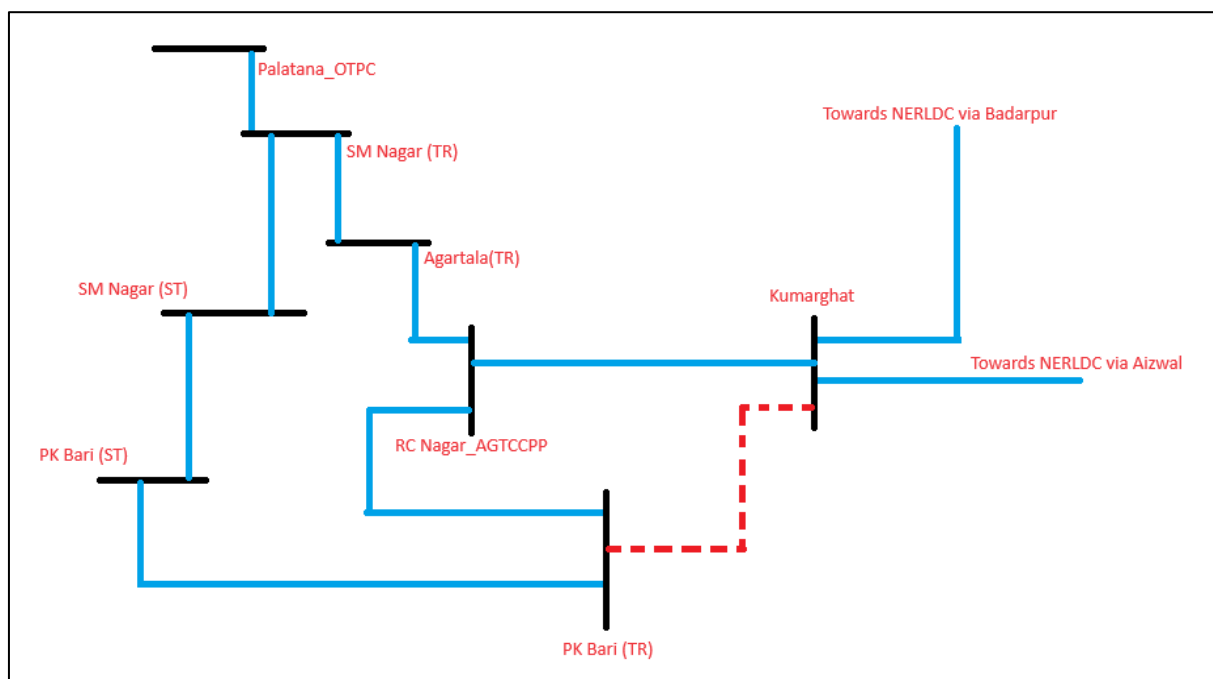
On 07/07/2024, at 1900 hrs, a technical issue at RC Nagar has led to the failure of the 132 kV RC Nagar-Kumarghat link. As a result, the VoIP, PMU, and RTU services of 400 kV SM Nagar, 400 kV PK Bari, Palatana, and RC Nagar were not available at NERLDC. The outage lasted for over 20 hours, with restoration completed by 16:00 hrs on 08/07/2024. To improve connectivity, it is requested to operationalize OPGW on the 132 kV Kumarghat-PK Bari line.

NERLDC had put up this agenda in the 6th Communication Planning Meeting(CPM) of CTU for NER Region held in 23-08-2024. During the deliberation, Tripura official has confirmed that in the Kumarghat(PG) to P K Bari (TR) portion, OPGW and FOTE have already been installed under NERPSIP, but inter-patching is yet to be done.

This link can be connected further to RC Nagar via the existing OPGW (owned by Indigrid) on the 132 kV RC Nagar(NO) - PK Bari(TR) line.

TSECL and NERPSIP is requested to provide a pair of fibre for the link 132 kV Kumarghat-PK Pari which will be connected to ULDC FOTE at both stations.

Further, NERPSIP-Tripura is requested to intimate the forum the target date of completion of inter-patching between NERPSIP-FOTE and ULDC-FOTE at Kumarghat and PK Bari which will enhance the reliability of OPGW link between 132 kV Kumarghat-PK Bari line.



Members may deliberate

2.13. Feeble condition of State-Estimator of NERLDC SCADA system due to low availability of Real-time Telemetry

As per IEGC 33.2, “SLDCs, RLDCs and NLDC shall utilize network estimation tool integrated in their EMS and SCADA systems for the real time operational planning study. All users shall make available at all times real time error free operational data for the successful execution of network analysis using EMS/SCADA. Failure to make available such data shall be immediately reported to the concerned SLDC, the concerned RLDC and NLDC along with a firm timeline for restoration. The performance of online network estimation tools at SLDC and RLDC shall be reviewed in the monthly operational meeting of RPC. Any telemetry related issues impacting the online network estimation tool shall be monitored by RPC for their early resolution.”

It is to report that the real-time telemetry availability for states such as Tripura, Mizoram, Manipur, and others is currently in the range of 30-60%. This low availability is significantly impacting the accuracy of state estimation, which relies heavily on the status of Circuit Breakers (CBs), Isolators, and Analog values to ensure reliable estimates. In a presentation prepared by NERLDC, attached as Annexure B 2.13, it is highlighted that the feeble state estimation is a direct consequence of the inadequate real-time telemetry data. The states are therefore strongly urged to prioritize the integrity of their Remote Terminal Units (RTUs) and communication systems to enhance the availability and quality of real-time telemetry data. This improvement is crucial for achieving accurate state estimation and ensuring the stability and reliability of the power system in the region.

Members may deliberate

2.14. Notification of Revised Guidelines for PSDF Fund Disbursement and Request for DPR Revisions

It is to inform the forum that the Ministry of Power (MoP) has issued Revised Guidelines for the disbursement of funds from the Power System Development Fund (PSDF) on 12th March 2024. *According to clause 6.2.iv, “Schemes from the States of the North-Eastern region and other hilly States/UTs, including Jammu & Kashmir, Ladakh, Sikkim, Himachal Pradesh, and Uttarakhand, shall be eligible for a grant of up to 100% for the schemes mentioned in para-5.1(a), 5.1(b), 5.1(c), 5.1(d), 5.1(e) & 5.1(f).”*

Additionally, as per Point (g) read under Clause 5.1(c) of Annexure III, states can apply for 100% funding for projects related to Communication Schemes for Automated Meter Reading (AMR) and real-time telemetry aimed at achieving 100% grid visibility.

Considering these new guidelines, states are requested to revise the Detailed Project Report (DPR) of the State Reliable Scheme to align with the provisions mentioned above.

The new guidelines have been attached as Annexure-B 2.14 for your reference.

Members may deliberate

2.15. Non reporting of Deemed ISTS stations

Real-time data from deemed ISTS Stations (Stations owned by states) is being regularly observed by NERLDC as these are important stations connecting two different states.

However, following such stations are connected to ISTS but not reporting to NERLDC since very long.

Substation Name	Connected with	Remarks
132 kV Dharmanagar (Tripura)	132 kV Dullavcherra (Assam)	Data is not reporting due to non-availability of communication link.
132 kV Dullavcherra (Assam)	132 kV Dharmanagar (Tripura)	PLCC communication. Data is not reporting due to faulty gateway.
132 kV Tipaimukh (Manipur)	132 kV Aizawl (Mizoram-PG)	Data is not reporting due to non-availability of communication link.

TSECL, AEGCL and Manipur may update on the issue.

Members may deliberate

2.16. Connectivity of 132 kV Roing, Tezu and Namsai on OPGW

Since October 2020, the 132 kV substations at Roing, Tezu, and Namsai have been reporting data over VSAT. It is now requested that ULDC-POWERGRID connect the data and voice communications of these substations over Optical Ground Wire (OPGW), as the necessary OPGW infrastructure is already available along the route Namsai → Tezu → Roing → Chapakhowa → Rupai → Tinsukia → Namrup → Lakwa → Mariani (AS) → Samaguri → Sarusajai → Kahilipara → NERLDC, Guwahati.

Specifically:

- The Namsai → Tezu → Roing → Chapakhowa segment falls under ULDC-POWERGRID.
- The Chapakhowa → Rupai → Tinsukia → Namrup → Lakwa → Mariani (AS) → Samaguri → Sarusajai → Kahilipara segment is managed by AEGCL.

We kindly request that PGCIL and AEGCL coordinate the necessary inter-patching at Rupai and share the KLM so that the data and voice communications from the 132 kV Roing, Tezu, and Namsai substations can be effectively configured and transmitted to NERLDC, Guwahati.

Members may deliberate

2.17. Adherence to CERC order dated 04th August 2023 for petition 197/MP/2020 (Arunachal Pradesh), 201/MP/2020 (TPTL), 263/MP/2020 (DoP, Nagaland) and 556/MP/2020 (PE&D, Mizoram)

NERLDC would like to draw the forum's attention to the adherence by states to the CERC order dated 04th August 2023, concerning petition 197/MP/2020 (Arunachal Pradesh), 201/MP/2020 (TPTL), 263/MP/2020 (Department of Power, Nagaland), and 556/MP/2020 (Power & Electricity Department, Mizoram).

A presentation has been prepared to illustrate the status of various items under this CERC order that require compliance. This presentation is attached as Annexure B 2.17A for your review. The forum is encouraged to discuss the details and ensure that all necessary actions are being taken in accordance with the order. The CERC order is attached as Annexure B 2.17B.

Members may deliberate

AGENDA FROM PwC

2.18. State wise agenda points to be discussed during the 29th NETeST Coordination

States	Agenda	Details
Assam	1) Progress status of the project	Project has completed with the completion of Warranty support period on 31 July 2024

	2) Pending payments related to milestone # 2 (Datacenter commissioning) and milestone # 5 (Go-live)	Aging of milestone # 2 invoice is 860+ days and that of milestone#5 invoice is 330+ days. AEGCL is yet to receive 16% of funds.
Meghalaya	1) Progress status of the project	Project has completed with the completion of Warranty support period on 31 July 2024
	2) Pending payments related to milestone # 5 (Go-live)	Aging of milestone# 5 invoice is 330+ days. MePTCL is yet to submit the PSDF requisition for 10% fund
Arunachal Pradesh	1) Progress status of the project	SAT completed on 16 May 2024 Go-LIVE was completed on 19 July 2024. User training was conducted from 19-21 August 2024. Warranty support period is in progress
	2) Fund requisition is pending for Milestone# 2, 4 & 5	DoP, AP to submit fund requisition of remaining 40% to clear the payment for Milestones# 2, 4 & 5.

Manipur	1) Progress status of the project	SAT is in progress. Completed SAT for 4 modules, waiting SAT date from SLDC for the remaining 3 modules.
	2) Unavailability of AMR data for Site Acceptance Testing	SAT of Meter Data Management module and Energy Accounting & Settlement module are yet to be initiated due to unavailability of significant AMR data. This has a significant impact on SAT schedule.
Mizoram	1) Progress status of the project	Go-Live of SAMAST was completed on 19 July 2024. Warranty support period is in progress.
Nagaland	1) Progress status of the project	Warranty support period is in progress
	2) Fund requisition is pending for Milestone# 5	DoP, GoN to submit fund requisition of remaining 10% to complete the payment for Milestones# 5.

Members may deliberate

AGENDA FROM TRIPURA

2.19. Integration of communication nodes in UNMS

Integration of following communication nodes related with Tripura power system into Tripura UNMS System are still pending which has been communicated via email to NERTS, PGCIL dated on 16th May 2024.

Nodes are:

- a. All the FO nodes under NERPSIP Substations.
- b. PK Bari ISTS FO Node
- c. Surjyamaninagar(Tripura) to South Comilla(Bangladesh) cross border Communication system.

The above UNMS integrations are quite essential for monitoring as well as fault restoration of communication system on pan India basis

Members may deliberate

2.20. Phasing out of PDH commissioned under NERFO scheme

PDH is commissioned under the NERFO scheme are malfunction very frequently since commissioning and spare cards are almost exhausted. The repairing of defective cards/defective spare cards have not yet been taken up by the agency Valiant Communications through the PGCIL (nodal) since commissioning. Due to inadequate spares availability as well as in the long run of 7 years the panels are near to end of life. It is proposed for phasing out the PDH panels commissioned under NERFO to avoid interruption of RTU data telemetry at Tripura SLDC.

Members may deliberate

2.21. Extending support to report all 101 RTU data to 104 via SDH (NERFO)

In line with the above PGCIL is requested to extend support to configure the SDH commissioned under NERFO for Reporting RTU data through 104 protocol.

Members may deliberate

2.22. Requirement of MD50B Decode Modem for SLDC Tripura

MD50B Decode Modems at RTU panel end were supplied by GE under Phase-II implementation of the NER EMS/SCADA Up-gradation project. In the long run all the Decode Modems got faulty (Eight nos). However, after repairing of all the said Modems by GE at their HQ, Noida, it is found that only one Modem is working properly and rest of the Modems are still non-functional. It is proposed for rectification of all the faulty Modems at the earliest to avoid interruption of RTU Data availability reporting on IEC101 protocol at SLDC Tripura.

Members may deliberate

2.23. AMC of ongoing SAMAST project: TPTL Tripura

As per scope of the SAMAST implementation project, in the post warranty period, respective states may individually carry out maintenance contract between buyer and agency with mutual agreement basis.

In this regard, TPTL requests the involvement of NERPC in the finalisation of:

- Scope of the post warranty maintenance contract with GENUS for Metering & PwC for data Centre.

- Consider increasing the proposed comprehensive AMC period from 3 years to 5 years (entire lifespan of project) as discussed in the 28th NETeST meeting.
- Determination of Fixed Base Price as all State SAMAST Data Centres are having the same hardware & software architecture and AMC price for 5 years may not exceed 5% of the project cost which has already been raised & discussed in NERPC forum.
- Fixing up of Terms & Conditions.

Members may deliberate

2.24. Battery bank issues of Tripura SLDC

The 125 kVA UPS system supplied under the SCADA/EMS Upgradation project in the year 2016 is very vital to the functioning of Tripura SLDC as the following systems are drawing power through this UPS system:

1. SCADA/EMS
2. URTDSM
3. ADMS
4. UNMS

Earlier, 30 nos. replacement cells were delivered by GE in month of August 2023 and installed in place of the defective cells but however more cells are reportedly getting defective and at present the battery backup is now reduced to around one hour as detected during the Preventive Maintenance activity carried out by Delta representative on 11th March, 2024. Delta engineer has recommended for replacement of both battery banks. GE is requested to take appropriate actions in this regard.

Members may deliberate

AGENDA FROM NHPC

2.25. Requirement of E1 Channel & Ethernet Port for DTPC

In the proposed R&M of Loktak, DTPC is being planned for installation in the four 132 kV Lines, i.e two MSPCL Lines, viz Loktak-Rengpang & Loktak-Ningthoukhong and two PGCIL Lines, viz Loktak-Imphal-2 and Loktak-Jiribam-2 Lines which are already laid with OPGW fibers. It is requested to provide E1 Channel and Ethernet Port at all the ends of these 04 lines for installation of DTPC for protection and speech.

In this regard, PGCIL and MSPCL are requested to provide the same.

Members may deliberate

AGENDA FROM GE

2.26. Outstanding payment of SCADA/EMS project

CC	Period	Outstanding Amount
AEGCL	Y7Q1, Q2, Q3, Q4 & Y8Q1, Q2	₹ 68,41,152
Manipur	Y5Q3, Q4 & Y6Q1, Q2, Q3,Q4 & Y7Q1, Q2, Q3	₹ 1,02,16,697
MePTCL	Y7Q1, Q2, Q3, Q4 & Y8Q1	₹ 56,14,439
Tripura	Y7Q1, Q2, Q3, Q4 & Y8Q1	₹ 56,41,672
NERLDC	Y7Q1, Q2	₹ 47,88,724
Mizoram	Y6Q2, Q3, Q4 & Y7Q1	₹ 45,13,338
Nagaland	Y6Q1, Q2	₹ 22,56,669
		₹ 3,98,72,691

Members may deliberate

2.27. Meghalaya Firewall upgrade outstanding amount

Meghalaya Firewall upgrade outstanding is Rs. 23,01,000.

Meghalaya may update.

2.28. Two Years AMC extn LOA issuance delay for SCADA/EMS:

NERLDC AMC		Post 6 years AMC		
Constituent Name	6 years AMC End date	2 years AMC Signed	2 years AMC Start date	2 Years GST Amendment
AEGCL	11-11-2022	Yes	12-11-2022	Yes
MePTCL	31-03-2023	Yes	01-04-2023	Yes
TSECL	31-03-2023	Yes	01-04-2023	Yes
Manipur	07-11-2023	No	08-11-2023	No
NERLDC	31-01-2024	Yes	01-02-2024	Yes
Mizoram	26-04-2024	Yes	27-04-2024	Yes
Nagaland	15-01-2025	No	16-01-2025	No
Arunachal Pradesh	28-02-2025	No	01-03-2025	No

Members may deliberate

3. PART-C: ITEMS FOR UPDATE/FOLLOW-UP

3.1. Connectivity of NERLDC Guwahati with Sarusajai and Umiam bypassing Kahilipara for its redundancy. (Agenda 2.14 as per MoM of 28th NETeST Meeting)

As per point 3.21 of MoM of 26th TCC/RPC meeting held on 4th and 5th July 2024, RPC and TCC forum approved the following connectivity for NERLDC Guwahati:

- a.** POWERGRID to lay two 24-core fiber optic cables from NERLDC Guwahati to Gantry of Kahilipara. At Gantry, a Joint Box would be installed, facilitating the connection of one cable from NERLDC to the Sarusajai direction and the other cable to the NEHU direction. (2 x 1 KMs): 26th TCC/RPC has approved the project. **CTUIL and PGCIL may update the status.**
- b.** POWERGRID to lay 48F-OPGW on 132 kV Sarusajai – Umtru line (Approximately 37 kms): 26th TCC/RPC has approved the project subject to board approval of Meghalaya (MeECL). **Meghalaya (MeECL) may update the status on board approval.**
- c.** The replacement of 12F to 48F OPGW on 132 kV Kahilipara – Umtru - Umiam Stg. III – Umiam Stg. I- Umiam – NEHU line by POWERGRID (Approximately 151 kms): 26th TCC/RPC has approved the project subject to board approval of Meghalaya (MeECL). **Meghalaya (MeECL) may update the status on board approval.**

As per MoM of 26th TCC/RPC meeting, NERPC gave in-principle approval of the project subject to board approval of Meghalaya and sharing of fiber laid under the scheme shall be subject to the outcome of the decision of the CEA Committee on formulating comprehensive guidelines on OPGW sharing.

Meghalaya is requested to intimate the forum about the target date for taking board approval.

CTUIL and PGCIL may update the status for the said links.

Members may discuss.

3.2. Upgradation Activities of SCADA-EMS systems at Regional/State level in North-Eastern Region (Agenda 3.3 as per MoM of 28th NETeST Meeting)

NERLDC would like to inform that all the NER State DPRs had been sent to PSDF committee in a consolidated manner by NERPC on 12th August 2024 and same has been delivered on 16th August 2024.

NERLDC will follow up with PSDF Secretariat (NLDC) for updates on approval from PSDF. It is requested that all states may kindly be available for any meeting being called by PSDF.

PSDF has requested to upload the DPR of Part-B and BoQ as per the mail dated 22/08/2024. The email and template of BoQ are attached as Annexure-C 3.2A and Annexure-C 3.2B. All states are requested to upload the necessary files at the earliest, or else states may share the BoQ in the provided format with NERLDC for further necessary action.

Members may discuss.

3.3. Status of State reliable communication scheme (Agenda 3.4 as per MoM of 28th NETeST Meeting)

State reliable communication scheme is being funded 90% by PSDF and 10% to be funded by state themselves. As decided in the special meeting held on 09th January 2024, NERLDC has circulated the draft template DPR for “State Reliable Communication Scheme” to all the SLDCs in which entire scope has been divided into 4 parts – Part A (OPGW), Part B (SDH based End Equipment), Part C (VSAT) & Part D (Remote Terminal Units). It was also decided that in case of any state already submitted DPR under “State Reliable Communication Scheme” head to PSDF Secretariat, then also these additional requirements shall be put in form of new DPR and can be submitted under heading “Additional requirements under State Reliable Communication Scheme for real-time data availability strengthening”. The status is tabulated below and states are requested to kindly update further:

Name of State	Status as per 28th NETeST meeting	Current Status
Arunachal Pradesh	<ul style="list-style-type: none"> • DoP-Arunachal Pradesh conveyed the forum that all the state's requirements are being met within the Comprehensive Arunachal Pradesh Transmission and Distribution (T&D) project. • The forum advised a review of the necessity for VSAT installations, particularly at radially connected stations such as Yachuli, Etalin etc. • In this regard, DoP-Arunachal Pradesh informed the forum that many of their generating stations are connected at the 33 kV level for which RTUs and VSATs are required. • The forum noted the same and advised DoP-Arunachal Pradesh to include special requests within the Detailed Project Report (DPR) for the deployment of VSATs and RTUs specifically for monitoring purposes at these 33 kV levels generating stations, emphasizing their significance. 	DoP-Arunachal Pradesh may update the status on DPR preparation of radially connected and 33 kV generating station for inclusion of VSAT and RTUs
Assam	<p>SLDC, Assam has informed that it has successfully submitted DPR for State Reliable Communication Scheme to PSDF for:</p> <ul style="list-style-type: none"> • Part A: Optical Ground Wire (OPGW) • Part B: Synchronous Digital Hierarchy (SDH)-based end equipment • Part C: Very Small Aperture Terminal (VSAT) <p>Forum requested SLDC Assam/AEGCL to share the NLDC specified format of Bills of Quantities (BoQs) which needs to submit along with DPR.</p>	SLDC Assam/AEGCL may update the status.

Manipur	SLDC, Manipur provided an update to the forum, that they are currently in the process of reviewing their requirements and shall prepare the DPR accordingly.	MSPCL may update the status
Meghalaya	<ul style="list-style-type: none"> •SLDC, Meghalaya informed the forum that the Detailed Project Report (DPR) encompassing all required components (Part A to Part D) has been completed. •SLDC, Meghalaya further informed that for Fiber Optic Transmission Equipment (FOTE), they have opted for Multiprotocol Label Switching (MPLS) based technology. •However, SLDC, Meghalaya is yet to submitted the DPR to the Power System Development Fund (PSDF) due to unresolved issues concerning the 132 kV NEHU-NEIGRIMS, NEHU- NERLDC, and NEHU-Mawlyndep-Mustem-Khliehriat links. 	<p>The issue of 132 kV NEHU-Mawlyndep-Mustem-Khliehriat is resolved during the special meeting held on 07th March 2024, where it was decided that MePTCL will lay 48F OPGW on 132 kV NEHU-Mawlyndep-Mustem-Khliehriat.</p> <p>MePTCL may update the status.</p>
Mizoram	SLDC, Mizoram informed the forum that the preparation of DPRs for all the parts are in process & they shall submit the same by March'24.	PE&D, Mizoram may update the status.
Nagaland	<ul style="list-style-type: none"> •DoP, Nagaland informed the forum that according to the decision made during the 32nd Appraisal Committee meeting of PSDF, OPGW with SDH technology has been granted approval in June 2023, with an allocated amount of ₹ 43.05 Crores. •However, DoP-Nagaland, is currently in the process of re-evaluating the necessity for VSAT installations and RTUs for state-owned stations. •They intend to submit any additional requirements in the form of a Detailed Project Report (DPR) by the end of March 2024. 	DoP, Nagaland may update the status.

Tripura	The status for SLDC, Tripura could not be updated due to absence of representative from SLDC, Tripura.	TPTL may update the status.
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Members may discuss.

3.4. Implementation of Guwahati Islanding Scheme (Agenda 3.5 as per MoM of 28th NETeST Meeting)

In 27th NETeST meeting, AEGCL informed that Detailed Project Report (DPR) for the Guwahati Islanding Scheme has been formally submitted to the Power System Development Fund (PSDF) for review and consideration. SLDC, Assam also informed that DPR for the communication part shall be submitted shortly.

In 28th NETeST meeting, AEGCL informed that DPR for the communication part would be submitted by 3rd week of May'24.

AEGCL/SLDC, Assam may update the status.

Members may discuss.

3.5. Non-availability of real-time data pertaining to POWERGRID-owned bays installed at AEGCL-owned stations (Agenda 3.6 as per MoM of 28th NETeST Meeting)

It has been observed that the real-time data of POWERGRID-owned bays installed at AEGCL stations are not reporting to NERLDC. These bays have been identified as follows –

- a) Nirjuli bay installed at Gohpur station since 16th Dec-2022.
- b) Silchar bays installed at Srikona station isolator data since 28th Nov - 2022.
- c) Silchar bays installed at Hailakandi.
- d) 132 kV BNC HVDC bays at Pavoi S/s.

All these bays are ISTS elements, thus data availability is important for real-time drawl calculation and monitoring of ISTS element.

Thus, PGCIL is requested to update the status as per the table below:

Sl. No.	Name of Bay	Status as per 28th NETeST for upgrade to BCU and integration to AEGCL SAS (permanent solution)	Latest status (as per 28th NETeST meeting) (interim solution)
1	Nirjuli bay installed at Gohpur station	The replacement of outdated isolator with new isolators compatibility with the BCU system could not be undertaken due to non-approval/non-availability of shutdown. Action: PGCIL may update the status	BCU upgradation of Nirjuli Bay at Gohpur will be completed by next month.
2	Silchar bays installed at Srikona station	ULDC-POWERGRID informed the forum that they will internally deliberate and communicate the action plan for SAS system upgrades to the forum. Action: PGCIL may update the status	AEGCL requested CMRs and Cables from PGCIL so that the bay can be integrated in RTU. PGCIL agreed to provide the same. For BCU upgradation and integration with SAS, PGCIL-ULDC will talk to PGCIL-AM.
3	Silchar bays installed at Hailakandi.	ULDC-POWERGRID informed the forum that they will internally deliberate and communicate the action plan for SAS system upgrades to the forum. Action: PGCIL may update the status	AEGCL requested CMRs and Cables from PGCIL so that the bay can be integrated in RTU. PGCIL agreed to provide the same. For BCU upgradation and integration with SAS, PGCIL-ULDC will talk to PGCIL-AM.

4	132 kV BNC HVDC bays at Pavoi S/s.	<p>ULDC-POWERGRID informed the forum that they will internally deliberate and communicate the action plan for SAS system upgrades to the forum.</p> <p>Action: PGCIL may update the status</p>	<p>AEGCL requested CMRs and Cables from PGCIL so that the bay can be integrated in RTU. PGCIL agreed to provide the same. For BCU upgradation and integration with SAS, PGCIL-ULDC will talk to PGCIL-AM.</p>
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Members may discuss.

3.6. Cyber Security aspects in SCADA/IT systems at Load Despatch Centres in North Eastern Region (Agenda 3.8 as per MoM of 28th NETeST Meeting)

State-Utilities may update the status with respect to CII Status by NCIIPC, ISO 27001:2013 implementation, VA-PT twice a year, Cyber Crisis Management Plan (CCMP), Cyber Management Team (CMT), patching of vulnerabilities and virus alerts from CERT-In/CERT-GO, etc, participation in various trainings and workshops on Cyber Security being conducted by CEA, Ministry of Power and Grid-India, etc.

During 28th NETeST meeting, all the SLDCs were advised to expedite the fulfilment of all aspects related to cybersecurity promptly. Emphasizing the integration of OT with the SAMAST, NERLDC stressed the imperative adoption of requisite measures to ensure a secure IT-OT connection. States have affirmed their compliance with the approved architecture in accordance with cybersecurity guidelines and decisions made within various NERPC forums. A summary of the present status of each SLDC is attached in as Annexure-6.

Members may update.

3.7. Restoration of OPGW owned by Manipur (Agenda 3.10 as per MoM of 28th NETeST Meeting)

It has been noticed that seven stations i.e., 132 kV Chandel, 132 kV Churachandpur, 132 kV Hundung, 132 kV Kakching, and 132 kV Kongba of Manipur are not reporting due to outage of 132 kV Churachandpur – Ningthoukhong OPGW link. It was reported that there is a break in the Optical Ground Wire (OPGW) approximately eight (08) Kilometers from the 132 kV Ningthoukhong Substation. However, the rectification work could not be undertaken as The subjected OPGW installation was done by POWERGRID-ULDC under NER-FO. Incomplete Handing over documents (absence of signatures by PGCIL executives) was furnished by POWERGRID to SLDC, Manipur on 06th April 2021. SLDC Manipur has requested ULDC-POWERGRID to sign the documents on 11th December 2023. SLDC Manipur has conveyed that proper documentation is essential for addressing the issue. The forum requested POWERGRID furnish complete handing over document.

During 28th NETeST meeting, POWERGRID-ULDC informed that in a meeting with Managing Director, MSPCL, Manipur had requested POWERGRID to complete the entire task. However, the financial aspects of the work were not discussed with MSPCL. Member Secretary, NERPC advised POWERGRID and MSPCL to discuss the issue bilaterally.

POWERGRID-ULDC and MSPCL may update the status.

3.8. Establishment of redundant fibre path between NERLDC and NEHU for reliability of power system communication link till RLDC. (As per MoM Point 3.11 of 28th NETeST Meeting)

A. As per MoM of 26th RPC/TCC meeting held on 04th and 05th July following are the update:

- a. From T-25 to NERLDC on 132 kV NEHU-Mawlydep line:**
POWERGRID-ULDC to lay and maintain the underground 48F cable under the ongoing reliable communication scheme out of which 24F

will be connected to NEHU and the balance 24F to be connected with Mawlyndep: 26th TCC/RPC has approved the project. ***PGCIL may update the status.***

- b. Replacement of 12F OPGW with 48F OPGW from NEHU to Khliehriat on 132 kV NEHU-NEIGRIMS-Khliehriat line:** The Forum approved that the OPGW should be upgraded to 48F by POWERGRID: 26th TCC/RPC has approved the project subject to board approval of Meghalaya(MeECL). ***Meghalaya(MeECL) may update the status on board approval. Meghalaya(MeECL) is requested to intimate the forum about the target date for taking board approval.***

B. As per 28th NETeST MoM:

- a. **48F OPGW from NEHU-Mawlyndep-Mustem-Khliehriat:** MePTCL to propose 48F OPGW on 132 kV NEHU-Mawlyndep- Mustem- Khliehriat line (132 kV NEHU – Khliehriat CKT-II) under the State reliable communication Scheme or other suitable schemes. MePTCL to lay and subsequently maintain the link as well.
MePTCL may update the status.
- b. **From T-23 to NERLDC:** Communication link from Tower-23 to NERLDC is already part of the Reliable Communication Scheme and is already approved. ULDC – POWERGRID informed that PwD Meghalaya clearance has been obtained for laying 24F UG Cable from Tower 23 of 132 kV NEHU – NEIGRIHMS line to NERLDC.
POWERGRID-ULDC may update the status

3.9. Status of Fiber-Optic works under different projects (As per MoM Point B.2 of 27th NETeST)

S. No.	Link name	Utilities which may respond	As per 28th NETeST
I. Fiber Optic Expansion Projects			
Meghalaya State Sector			
1	132kV NEHU - NEIGRIMS	POWERGRID-NERTS	--
Central Sector			
2	400kV Bongaigaon (PG) - 220kV Salakati - 220kV BTPS	POWERGRID-NERTS	No response has been obtained from Chinese vendor M/S SDJI. The matter is under process and POWERGRID will resolve it at the earliest.
3	400kV Mirza (Azara) - Byrnihat (Killing)		No response has been obtained from Chinese vendor M/S SDJI. The matter is under process and POWERGRID will resolve it at the earliest.
4	400kV Silchar – Palatana		Survey going on for unhealthy stretch. Work will commence after availability of materials on site.

Members may update.

3.10. Status and details of Fiber-Optic projects approved in 17th TCC/RPC meeting (As per MoM point 3.14 of 28th NETeST)

A. Additional Communication Scheme: During the 28th NETeST meeting, forum advised POWERGRID-ULDC the commissioning of links is pending for more than three months for lack of installation of FOTE which could have been avoided. Status as per 28th NETeST meeting (attached as Annexure C 3.10A).

Action: POWERGRID-ULDC may update the status.

B. Reliable Communication Scheme:

- a. Replacement of existing fibre: Status as per 28th NETeST is attached as Annexure-C3.10B.

Action: POWERGRID-ULDC may update the status.

- b. Fibre on new lines: Status as per 28th NETeST is attached as Annexure- C3.10B.

Action: POWERGRID-ULDC may update the status.

3.11. Integration of Dikshi HEP real time data and pending Voice communication (Agenda as per MoM of 28th NETeST)

As per 27th NETeST meeting, DoP, Arunachal Pradesh assured the forum that the matter shall be resolved by the next NETeST meeting.

As per 28th NETeST meeting, DoP-AP informed that the matter shall be resolved by May-2024.

Action: DoP-AP may update the status

3.12. Automatic Generation Control (AGC) in Indian Grid (Agenda 3.16 as per MoM of 28th NETeST)

The status as per 28th NETeST is tabulated below:

Station Name	Background	Status as per 28 th NETeST Meeting
AGBPP (Kathalguri)	<p>OEM visits was envisaged as per following –</p> <ul style="list-style-type: none">• Some units are of Mitsubishi make which require team from Japan to visit plant.• Other units are of GE-make and BHEL-make	<p>Tendering is in process.</p> <p>Action: NEEPCO may update the status.</p>

Station Name	Background	Status as per 28 th NETeST Meeting
Doyang	NEEPCO may update the status	Tender for SCADA floated. Bidder has requested for extension from NEEPCO. NEEPCO informed that the work completion schedule is 33 weeks from the issuance of LoA.
Kopili Stage -2	25 MW	Will be done after Khandong comes into service.
Kopili	100W	Unit 1 shall be available by May 2024.
Khandong	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	Shall be completed by July-2025. status.
Kameng	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	In process. Petition filed to CERC for exemption. Deliberations going on with NEEPCO management status.
Ranganadi (Panyor)	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	In process. Petition filed to CERC for exemption. Deliberations going on with NEEPCO management
Pare	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	In process. Petition filed to CERC for exemption. Deliberations going on with NEEPCO management
RC Nagar	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	There is constraint due to low gas supply, will be discussed in OCC forum.

Station Name	Background	Status as per 28 th NETeST Meeting
Palatana	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	OTPC was absent.

3.13. Pending issues of State Utilities of NER (Agenda 3.17 as per MoM of 28th NETeST)

Utility	Pending issues	Remarks as per 28th NETeST
Assam	SAS upgradation related works may be updated.	Dullavcherra is not reporting. Assam-SLDC stated that there is issue of SAS gateway, which is expected to be completed by March'24.
Tripura	Dharmanagar	Discussion could not be carried out due to absence of Tripura representative.
	Ambassa	
Manipur	Chandel, Churachandpur, Rengpang, Tipaimukh, and Yiangangpokpi	<ul style="list-style-type: none"> The mentioned stations are not reporting. MSPCL informed that they have started restoring the RTUs but it may take time due to current law and order situation.
	Hundung, Yurembam, Kakching, Konga and Ningthoukhong	<ul style="list-style-type: none"> The mentioned stations are reporting partially. MSPCL informed that they have started restoring the RTUs but it may take time due to current law and order situation.
	Elangkhangkopi, Thanlon, 132kV Thoubal, 132 kv Moreh	<ul style="list-style-type: none"> MSPCL has proposed the purchase of RTUs under PSDF.
Nagaland	Kiphire	<ul style="list-style-type: none"> Meluri-Kohima line is still under diversion due to road construction work. PLCC is restored, DoP will visit the station to restore the data at the earliest.

		<ul style="list-style-type: none"> DoP-Nagaland informed that they have submitted the cost estimate NHIDL for shifting of tower and waiting for their response.
Mizoram	Luangmual	<ul style="list-style-type: none"> Communication equipment at Lungmual is powered off due to repeated incident in which cards of SDH/PDH were burnt. It is suspected that SDH/PDH are not connected properly to earth. PE&D-Mizoram informed that survey for restoration of isolator data has been done and proposal to restore the data will be submitted sooner.
	Zuangtui	
	Kolasib	
Arunachal Pradesh	VSAT installation and other issues	<p>UPS installation for VSAT equipment:</p> <ul style="list-style-type: none"> DoP, Arunchal Pradesh informed that UPS installation is completed in Along, Deomali and Pasighat. For Daporizo the UPS is supplied but installation is pending. <p>RTU failure at Daporijo:</p> <p>Discussion could not be carried out due absence of M/s GE T&D representative.</p> <p>Power Supply issue at Pasighat:</p> <ul style="list-style-type: none"> 48V to 110V DC Converter is faulty, same has been purchased and issue shall be resolved soon
Meghalaya	Non reporting of stations	<ul style="list-style-type: none"> 220 kV Mawngap is now reporting

3.14. Feasibility to connect Lekhi Substation over Fiber-Optic Network (Agenda B.7 as per MoM of 28th NETeST Meeting)

During 25th NETeST meeting, POWERGRID informed the forum that SDH equipment has been diverted from Monarchak and the same shall be installed by 15th June, 2023. POWERGRID requested DoP, Arunachal Pradesh to provide space for installation & they have agreed to provide the same. POWERGRID also informed that due to DCPS issue, presently they were using DC convertor. DoP, Arunachal Pradesh agreed to look into the matter.

During 26th NETeST meeting, POWERGRID-ULDC informed the forum that new SDH is proposed under NER Reliable communication scheme. Currently the DC converter of Lekhi S/s is not working due to which Lekhi PDH is not powered up and thus not reporting to SLDC Arunachal Pradesh over fiber network. DoP-AP is requested to update on the status for providing space DCPS. POWERGRID is requested to update on the status for installation of the DCPS.

During 27th NETeST meeting, DoP-AP informed that space for installation of DCPS will be provided.

Currently, DC converter of Lekhi is not working due to which Lekhi is not connected over OPGW network. POWERGRID-ULDC is requested to restore the DC converter as an interim measure till the new SDH and DCPS are installed.

During 28th NETeST meeting, POWERGRID informed that they had taken up the matter with vendor M/s Tejas for the supply of DC converter. The work shall be included under the NER reliable communication scheme.

Action: POWERGRID-ULDC is requested to update the status.