AGENDA

FOR

31ST NETeST MEETING

Time of meeting : 11:00 Hrs.

Date of meeting : 4th April, 2025 (Friday)

Venue : NERPC Conference Hall,Shillong

Contents

NORTH EASTERN REGIONAL POWER COMMITTEE

AGENDA FOR 31ST NETeST MEETING TO BE HELD ON 04.04.2025 (FRIDAY) AT 11:00 HRS

1. PART-A: CONFIRMATION OF MINUTES

1.1. Confirmation of Minutes of 30th Meeting of NETeST Sub-Committee of NERPC

The minutes of 30th meeting of NETeST Sub-committee held on 24.01.2025 at NERPC Conference Hall, Shillong were circulated vide letter No. NERPC/NETeST/2025/3938-3977 28th January, 2025.

The Sub-committee may confirm the minutes of 30th 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 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.

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 has been shared by NERLDC (Annexure B 2.1(i)).
NERPC vide e mail dated 22/11/24 and 10/01/25 (Annexure B 2.1(ii)) has requested PGCIL to submit the data in respect of Kahilipara substation to carry out the communication audit. Accordingly, PGCIL has submitted the requisite response for Kahilipara substation.
The communication audit in respect of Kahilipara substation is to be carried out by the audit team comprising of members from NERPC, NERLDC and Assam on 01.04.2025.

Members may discuss.

2.2. 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.

Members may discuss.

2.3. 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.
- In 30th NETeST Meeting, CTU apprised the forum that sharing the desired list of communication channels comes under the operational aspect of grid communication and CTU being a planning body shall not be responsible for sharing the list of communication channels. CTU informed that they file Petition in Hon'ble CERC in October-2024 in this regard & hearing for the petition has been scheduled on 13/02/25. CTU further stated that the course of action shall be decided as per the hearing of Hon'ble CERC.

- NERPC responded that as per Communication regulations shared by the Hon'ble CERC in January-2024, it is the responsibility of CTU to share the details of channels for communication. NERPC further stated that it is important to determine the channels whose availability is to be calculated. ULDC-POWERGRID agreed to share the list of important ISTS channels.

- The forum advised ULDC-POWERGRID to share the list of important ISTS channels by 10th February-2025.

Members may discuss.

AGENDA FROM NERLDC

2.4. Status of Construction of Backup SLDC in NER states

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

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

S. No.	Name of state	Status of submission of Documents to PSDF
1	Arunachal Pradesh	Backup Control Centre will be constructed for SCADA/EMS System at the new 132 kV New Pasighat (Napit) Substation.
2	Assam	Tarriff petition is filed in AERC, which is expected to be approved in March 2025.
3	Manipur	Site Survey with NERLDC was carried out in 400 kV Thoubal S/s on 15th January 2025.
4	Meghalaya	In principle board approval accorded on 24th January 2025, the LoA will be placed in six months.
5	Mizoram	Proposal was submitted to the Government of Mizoram on 6th December 2024 for allocation of funds during the FY 2025-26. The Government of Mizoram typically prepares budgetary allocations in April.
6	Nagaland	A new two-story building is being constructed for the Backup Control Centre at the 220/132 kV Zhadima Substation
7	Tripura	Team of SLDC and NERLDC conducted a site survey for the proposed Backup SLDC location. The site survey was carried out on 9th January 2025 at the SM Nagar Grid Substation Complex, where an one-story building, previously designated as a Training Institute, has been identified for conversion into the Backup SLDC.

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.

Members may deliberate

2.5. Frequent power failure issue at Boko and Sarusajai

It has been observed that the battery bank support to FOTE at Boko and Sarusajai is not proper, which leads to outage of Boko and Sarusajai node during any outage of AC power. Such outages lead to failure of significant data of stations owned by AEGCL such as 400 kV Mirza, 220 kV Boko, 220 kV Agia and 220 kV Sarusajai etc. And also impacts the following services of NERLDC/NLDC:

ICCP between NERLDC and NLDC/Backup NLDC

AGC link between Loktak/Kopili and NLDC

RTU/SAS data of BgTPP (NTPC), 400 kV Bongaigoan and 220 kV Salakati

Example:

At 16:24 hrs of 13th March 2025 Sarusajai power supply failure which led to shutdown of FOTE.

At 15:05hrs of 02nd March 2025 ; 11:15hrs of 06th March 2025; 16:42 hrs of 13th March 2025 Boko Power Supply failure which led to shutdown of FOTE.

At 15:25 hrs of 18th March 2025, Sarusajai power supply failure which led to shutdown of FOTE.

Members may deliberate

2.6. Inter-patching of FOTE at Assam owned Rangia s/s between Fibcom and ABB as backup path to avoid dependency on Boko-Agia node

NERLDC and NLDC are primarily using Bongaigoan – Salakati – BTPS (Assam) – Agia – Boko – Sarusajai – Kahilipara – NERLDC Shillong/ NERLDC Guwahati for carrying data of Bongaigaon (PG), Salakati (PG), AGC of Loktak & Kopili with NLDC, ICCP links between NERLDC and Backup NLDC/NLDC/SLDCs. However, it has been observed that during

maintenance or outage of any node mentioned above impacts significant critical services. Hence, in order to avoid such outages of critical services, it is requested to inter-patch recently commissioned FIBCOM SDH and ABB SDH at Rangia (AEGCL). After inter-patching, a new link will be available: Bongaigoan (PG) – Rangia (AEGCL) – Amingoan (AEGCL) – Sishugram (AEGCL) – Kamakhaya (AEGCL) – Kahilipara (AEGCL) – NERLDC Shillong/NERLDC Guwahati. Subsequent to the inter-patching, necessary KLM sharing or bandwidth sharing may also be carried out at Rangia (AEGCL). This new link will be used as secondary path between NERLDC Shillong/Guwahati and Bongaigoan (PG).

It has been observed that inter-patching between NERPSIP installed FOTE and ULDC-FOTE is not being carried out properly. It is further requested to have review meeting of NERPC sub-committee constituted for detailed monitoring of progress (such as Commissioning of DCPS, FOTE, inter-patching, OPGW stringing, integration of telemetry data) of NERPSIP and Comprehensive-Arunachal Pradesh Scheme.

ULDC-POWERGRID, AEGCL-Communication and NERPSIP are requested to discuss.

Members may deliberate

2.7. Request to integrate DoP, Arunachal Pradesh Stations over OPGW.

As informed by the POWERGRID-COMPREHENSIVE Arunachal Pradesh team, installation of OPGW, FOTE and commissioning of FOTE in the OPGW communication path from Pasighat to Ziro i.e Niglok-> Napit-> Pasighat-> Along-> Basar->Daporizo-> Ziro has been completed and commissioned.

NERLDC requested DoP, Arunachal Pradesh via email dated 11th March 2025, attached as Annexure-B 2.7, to integrate the following stations over OPGW also apart from the available VSAT:

Along

Pasighat

Daporizo

This will help in increasing reliability of real time telemetry of Arunachal Pradesh.

DOP, Arunachal Pradesh may update the status.

Members may deliberate

2.8. Request to integrate data of Panyor and Pare in Chimpu S/s RTU.

NERLDC observed that the data (MW, MVAR, CB, and isolators) for Panyor and Pare bays at Chimpu S/s is not being reported. Upon further analysis, it has come to NERLDC's attention that MFTs and CMRs for the mentioned bays are yet to be installed. Since the above-mentioned lines are connected to ISGSs, monitoring of the same is imperative from Chimpu end also.

NERLDC requested DoP, Arunachal Pradesh to carry out the following actions to enable data reporting for the mentioned bays via email dated 17th February 2025 and reminder mail on 11th March 2025, attached as Annexure-B 2.8:

Installation of MFTs:

MFTs need to be installed for both bays.

Appropriate CT and PT connections must be completed.

MFTs should then be integrated with the Chimpu RTU.

Installation of CMRs:

CMRs need to be installed for both bays.

CB and isolator status should be integrated with the Chimpu RTU.

DOP, Arunachal Pradesh may update the status.

Members may deliberate

2.9. Integration of protection signals and substation data as per CERC guideline on Interface

In accordance with the CERC Guidelines on Interface Requirements dated 19th January 2024, all state-owned and central sector stations are required to integrate protection points as applicable, such as

Transmission element: Master Trip, Over Voltage Trip, LBB Trip

Generator specific protection: Setpoint of Unit, DELTAP Of AGC of Unit, Droop Settings of Unit, AVR Reference Voltage of Unit, PSS ON/OFF status of unit, AVR ON/OFF of Unit, Class A, B & C protection Operated for Unit

NERLDC requests the states to prioritize the incorporation of these parameters in the state stations and central sector stations.

NERLDC has prepared a checklist for central sector for compliance of the above guideline, attached as Annexure-B 2.9.

Members may deliberate

AGENDA FROM GENUS

2.10. NERPC 1 & 2 SAMAST Project (Genus Power Infrastructures Limited)

LOA NO:-1. NERPC/SE (0)/SAMAST/2020/2502 dt.16/12/2020.

2. NERPC/SE(0)/SAMAST/2021/221 Dt.23/09/2021.

NERPC-1 (Assam & Meghalaya)

- Release pending 10% payment: We have completed our work in Assam and Meghalaya and have received approval to go live. We kindly request the release of the remaining 10% balance payment.

NERPC-2 (Nagaland, Mizoram, Tripura, Manipur, Arunachal Pradesh)

Nagaland –

- Release pending 10% payment: We have completed our work in Nagaland and have received approval to go live. We kindly request the release of the remaining 10% balance payment.

Arunachal Pradesh-

- Release pending 10% payment: We have completed our work in the state and have received approval to go live. We kindly request the release of the remaining 10% balance payment.

Mizoram-

- Release pending 10% payment: We have completed our work in the state and have received approval to go live. We kindly request the release of the remaining 10% balance payment.

Manipur -

- Replacement of 49 nos of meter 1A meters with 5A meters
- Balance Meter Scope: 49 nos of /1A meters we request to Provide location regarding the scope of balance meter installation/ shutdown.
- Time Extension: Due to ongoing law and order issues, work in Manipur has been halted for the past few months. We kindly request a time extension until 30th June, 2025 to complete the work.

Tripura -

- Balance Meter Scope: We request to Provide location regarding the scope of balance meter installation/ shutdown. (16 Meters)

- Material Handover : The balance BOQ items which supply under the SAMAST project need to be handover to utility.

- Release pending 40% payment: We have completed our work in the state and have received approval to go live. We kindly request the release of the remaining 40% balance payment.

Members may deliberate

AGENDA FROM POWERGRID

2.11. Issuance of Trial Operation Certificate for UNMS system.

It is to be noted that request for issuance of Trial Operation certificate has been already forwarded to Grid-India on 29.02.2024, however, the trial operation certificate is not received yet.

Members may deliberate.

AGENDA FROM NERPSIP

2.12. Laying of OPGW in the existing lines under NERPSIP – Mizoram:

The scope of OPGW laying in the following lines are included under NERPSIP – Mizoram. The laying work could not be completed at few locations due to various issues in the existing transmission line.

Though these existing lines are made for 132kV, currently these lines are charged under 33kV level. 33kV poles are used at few locations instead of

132kV Towers and the existing tower peaks are missing at few locations at these lines.

132kV West Pheileng – Zemabak TL: - 6 KM balance OPGW to be laid out of 51KM. The balance work is long pending as poles are to be replaced with towers & damaged tower peak to be rectified by state P&E deptt. Mizoram.

132kV Lunglei – Lungsen TL: - 1 KM balance to be laid out of 27 KM: The balance work is long pending as poles are to be replaced with towers & damaged tower peak to be rectified by state P&E deptt. Mizoram.

Since the repairing works of the existing TL are not been carried out by state utility after several intimations, it is requested State utility to take over the balance materials from POWERGRID-NERPSIP for laying balance OPGW. TOC may be given by P&E Department Mizoram, so that the existing contract can be closed.

The matter has already been deliberated in the 28th NERPC meeting wherein the forum advised Mizoram to take over the balance materials from POWERGRID-NERPSIP for laying balance OPGW, as the quantum of work is minimum and the same may be laid by State during the restoration of the existing TL and Mizoram can provide the TOC to POWERGRID-NERPSIP at the earliest so that the existing contract can be closed, allowing further progress on new projects. In line with the discussion, POWERGRID has already communicated the matter to P&E Department vide letter dated 19.03.2025.

Accordingly, P&E Department may take over the balance materials and issue TOC at the earliest.

Members may deliberate.

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

3.1. Feeble condition of State-Estimator of NERLDC SCADA system due to low availability of Real-time Telemetry. (as per Agenda 3.4 of 30th NETeST MoM)

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. 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.

In the 29th NETeST meeting, MS NERPC has set a target and timelines for improvement of telemetry for all NER states, the target and timelines are as shown below:

State	*Target Telemetry Percentage (Analog)*	*Timeline to achieve the target*
Assam	*80 %*	*2 Months*
Arunachal Pradesh	*80 %*	*2 Months*
Manipur	*60 %*	*2 Months*
Meghalaya	*70 %*	*2 Months*
Mizoram	*50 %*	*2 Months*
Nagaland	*60 %*	*2 Months*
Tripura	*50 %*	*2 Months*

In the 30th NETeST meeting, Assam apprised the forum that the maximum instantaneous telemetry availability has been 82.5% and the average telemetry percentage has improved from 70% to 75%. Member Secretary, NERPC advised the states to achieve minimum telemetry availability percentage as per the following table by March'2025:

Sl. No.	State	Minimum telemetry percentage
1	Assam	85%
2	Arunachal Pradesh	85%
3	Manipur	70%
4	Meghalaya	80%
5	Mizoram	60%
6	Nagaland	70%
7	Tripura	80%

The present status of NER-states is attached as **Annexure-C 3.1**.

All states are requested to update the progress and status.

3.2. Re-configuring RTUs of NEEPCO owned stations for reporting to NERLDC Guwahati (as per Agenda 2.7 of 30th NETeST MoM)

NERLDC Guwahati was inaugurated on 11th March 2024, following which NERLDC is operating under the Main-1 and Main-2 concept, with its establishments located in Shillong and Guwahati. At present, some NEEPCO stations report exclusively to NERLDC Shillong. In view of achieving 100% redundancy of Main-1 and Main-2 NERLDC, there is a critical need to reconfigure the RTUs to enable simultaneous reporting to NERLDC Guwahati.

Correspondence regarding this matter has been initiated through emails dated 25th September 2024 ,18th November 2024 and 12th March 2025, as

well as a formal letter addressed to CGM (O&M), NEEPCO, under reference number NERLDC/SL/COMMUNICATION/7171 dated 27th December 2024. However, the necessary actions from NEEPCO remain pending.

The stations requiring reconfiguration are as follows:

RC Nagar: The RTU need to be configured in the IEC-60870-104 protocol to facilitate reporting to NERLDC Guwahati.

Pare HEP: The RTU need to be configured in the IEC-60870-104 protocol to facilitate reporting to NERLDC Guwahati.

Ranganadi: Network reconfiguration of Channel Two of existing RTU is required.

In reference to the agenda 2.7 of Minutes of 30th NETeST meeting, the agenda could not be discussed as representative from NEEPCO was not present in the meeting.

In addition to above, NERLDC has communicated with NEEPCO via email 11th March 2025 attached as Annexure C 3.2.

The forum is requested to take up the matter with NEEPCO and ensure the representation of NEEPCO in NETeST meeting for fruitful deliberation and resolution of the agenda points.

Members may deliberate

3.3. Re-configuring RTUs of POWERGRID owned stations for reporting to NERLDC Guwahati (as per Agenda 2.8 of 30th NETeST MoM)

NERLDC currently operates under the Main-1 and Main-2 concept, with its establishments located in Shillong and Guwahati. Presently, several stations owned by POWERGRID report exclusively to NERLDC Shillong. To address this, there is a need to reconfigure the RTUs to enable simultaneous reporting to NERLDC Guwahati.

The stations requiring reconfiguration are as follows:

- 132 kV Aizawl: Network reconfiguration of one of the SAS Gateway and router/firewall is required.
- +/- 800 kV BNC-HVDC: Network reconfiguration of one of the SAS Gateway and router is required.
- 220 kV Dimapur Network reconfiguration of one of the SAS Gateway and router/firewall is required.
- 132 kV Haflong: Network reconfiguration of one of the SAS Gateway and router/firewall is required.
- 132 kV Nirjuli: Network reconfiguration of one of the SAS Gateway and router/firewall is required.
- 132 kV Jiribam: Network reconfiguration of one of the SAS Gateway and router/firewall is required.
- 132 kV Kumarghat: Network reconfiguration of one of the SAS Gateway and router/firewall is required.
- 400 kV Mariani: Network reconfiguration of one of the SAS Gateway and router/firewall is required.
- 132 kV Melriat: Network reconfiguration of one of the SAS Gateway and router/firewall is required.
- 400 kV Misa: Creation of a new IEC-104 in the SAS Gateway is required.
- 220 kV Mokokchung: Creation of a new IEC-104 in the SAS Gateway is required.
- 132 kV Namsai: Network reconfiguration of one of the SAS Gateway and router/firewall is required after the completion of the OPGW link.
- 132 kV Roing: Network reconfiguration of one of the SAS Gateway and router/firewall is required after the completion of the OPGW link.
- 220 kV Salakati: Network reconfiguration of one of the SAS Gateway and router/firewall is required.
- 400 kV Silchar: Creation of a new IEC-104 in the SAS Gateway is required.
- 132 kV Tezu: Network reconfiguration of one of the SAS Gateway and router/firewall is required after the completion of the OPGW link.

Considering the above, NERLDC has communicated with POWERGRID via email on 6th January 2025 with reminders on 04th February 2025 and 11th March 2025 attached as Annexure C 3.3.

As per 30th NETeST meeting, POWERGRID apprised the forum that the availability of the ports shall be examined at the respective substations and in the event of non-availability of the ports, SAS upgradation shall be required which shall involve cost implication. The forum advised POWERGRID to carry out the survey and share the details by 15th February- 2025.

POWERGRID is requested to update the status.

3.4. Integration of weather parameter data as per CERC guideline on Interface Requirements (as per Agenda 2.9 of 30th NETeST MoM)

In accordance with the CERC Guidelines on Interface Requirements dated 19th January 2024, all state-owned and central sector stations are required to integrate weather parameters, including Temperature, Wind Speed, Humidity, and Rainfall, into the SCADA system.

NERLDC requests the states to prioritize the incorporation of these weather parameters in the state capitals and other important load centres as a first step.

As per 30th NETeST meeting, the forum advised all the stakeholders to prioritize the incorporation of the said weather parameters.

All utilities may update the status.

3.5. Consolidated list of Circuit Breaker and Isolator for all utilities (as per Agenda 2.10 of 30th NETeST MoM).

As per Agenda 2.5 of the Minutes of Meeting (MoM) for the 221st OCC, the forum requested NERLDC to share a consolidated list of all utilities, along with the status of their circuit breakers and isolators.

In response, the consolidated list of telemetry availability for all stations is included in the weekly Telemetry Report.

The latest version of this report is attached as Annexure – C 3.5 for reference.

Members may deliberate

3.6. Installation of PMU at 220kV Nangalbibra S/s (as per Agenda 2.11 of 30th NETeST MoM).

NERLDC would like to bring attention of forum that M/s Sterlite (NBTL) initiated discussions with NERLDC on first-time charging clearance requirements, leading to a series of deliberations involving CTUIL, CEA, and NERLDC.

A virtual meeting on October 18, 2023, focused on the placement of Next Generation Firewall (NGFW) and Phasor Measurement Units (PMUs) within the Nangalbibra-Bongaigaon Transmission System. NERLDC highlighted that PMUs, required for 400 kV lines (even if charged at 220 kV) as per CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations-2022, and NGFW, mandated by CEA Cyber Security Guidelines 2021, should be included. M/s Sterlite expressed concerns that these items were not part of their original RFP or TSA and requested ratification from CEA for scope changes.

Following discussions, M/s Sterlite formally approached CEA on 26th October 2023, vide letter ref no. NBTL/PMU&NGFW/2023/CEA/01, seeking ratification to include PMUs and NGFW in compliance with updated guidelines.

In a subsequent November 2023 meeting, it was agreed that NBTL would install these items but requested a 6–8 months extension due to procurement

constraints. NERLDC committed to granting first-time charging clearance with an assurance of timely implementation.

However, CEA vide letter 33109/2024 dated 17th September 2024 stated that NBTL, as a Special Purpose Vehicle (SPV) for the project, must complete its scope of work as per the Transmission Service Agreement (TSA). The implementation of PMUs and NGFW is not covered under the current TSA, and therefore, NBTL should complete the work strictly as per the TSA. CEA advised CTUIL and Grid-India to assist with the charging process, with NERPC supporting.

NBTL has already installed two (02) number of NGFW in 220 kV Nangalbibra S/s.

NERLDC requests intervention of forum to take up the matter with NPC and instruct M/s NBTL for installation of PMUs as per clause 48.6 of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations-2022.

As per 30th NETeST meeting, the forum requested M/s NBTL to follow the MoM of 15th NPC and install the PMU accordingly.

M/s NBTL may update the status.

3.7. Discussion on operational issues and punch points for UNMS of NER (as per Agenda 2.12 of 30th NETeST MoM).

In view of the meeting held on 16th July 2024 between Grid-India, POWERGRID & CTUIL, letters addressed to ULDC-POWERGRID by NERLDC and NERPC meeting held on 18th December 2024. Following operational issues and punch points are yet to be resolved by ULDC-POWERGRID:

1. Naming Nomenclature Standardization

NERLDC highlighted operational challenges due to unclear service names in

ECI, ABB, and Fibcom equipment, affecting RTU, PMU, and VoIP issue identification. ULDC-POWERGRID is awaiting standardized nomenclature from GA&C-POWERGRID but has initiated independent efforts. The forum requested a definitive timeline for implementation within a week.

2. Audio Alarm Configuration

NERLDC flagged non-compliance with Clause 19.5 of CEA Technical Standards 2020 regarding audio alarms. GA&C-POWERGRID is addressing the issue. The forum urged ULDC-POWERGRID to provide a timeline for resolution within a week.

3. Custom Time Selection for Event Filtering

NERLDC emphasized the need for custom time filtering in UNMS for granular event analysis. GA&C-POWERGRID is addressing this. The forum requested a concrete resolution timeline within a week.

4. Public Access to Mail Service

Lack of public mail service in U-NMS affects report sharing and communication availability certification. NERLDC requested an interim solution, independent of the National UNMS project. The forum urged ULDC-POWERGRID to address the issue on priority within a week.

5. Mismatch in Link Status in U-NMS

NERLDC reported discrepancies in link status between U-NMS and actual conditions, especially in M/s Fibcom-managed links. The forum requested coordination with vendors and a resolution timeline within a week.

6. Node Name Display in U-NMS

ABB SDH equipment under NERPSIP-Assam shows IP addresses instead of node names. NERLDC requested ABB-NMS integration with U-NMS to resolve this issue. The forum urged a resolution timeline within a week.

7. Integration of State NMS with U-NMS

Updates on state-wise NMS integration under NERPSIP and Comprehensive T&D projects were provided. Pending issues include NMS delivery, node monitoring, and configuration delays. The forum requested timelines for completion from ULDC POWERGRID and other stakeholders.

8. Integration of FOTE for TSPs

Integration of Fiber Optic Terminal Equipment (FOTE) for TSPs such as Sterlite, Aparva, and Indigrid remains incomplete. The forum requested expedited actions and timelines for integration completion.

9. Integration of VSAT with U-NMS

Integration of ULDC-POWERGRID's VSAT nodes with U-NMS is pending due to TATA NELCO device connectivity. The forum requested immediate action and a timeline within a week.

10. Submission of No Objection Certificates (NoCs)

ULDC-POWERGRID was reminded of pending NoCs from NER SLDCs for the U-NMS system. Updates were provided on state-wise progress, with specific

issues in Assam (Keymile integration), Tripura (NERPSIP-NMS integration), and absent updates from Manipur and Meghalaya. The forum urged immediate resolution and NoC collection.

ULDC-POWERGRID may update on each point.

3.8. Extension of AMC of VoIP system of NER (as per Agenda 2.13 of 30th NETeST MoM).

The AMC (Annual Maintenance Contract) for the VoIP system deployed in NER is valid only until July 2025. As per discussions held in various forums, a new VoIP system is currently in the approval stage and is expected to take 2-3 years for deployment.

The VoIP system is a critical component of day-to-day grid operations, and its maintenance is essential to ensure seamless functionality. At present, the VoIP system is being managed by ULDC-POWERGRID.

As per 30th NETeST meeting, the forum agreed that extension of AMC shall be offered for another two years.

ULDC-POWERGRID may update the status.

3.9. Connectivity of 132 kV Hastingmari – Ampati link with existing OPGW network of NER (as per Agenda 2.14 of 30th NETeST MoM):

The connectivity of the 132 kV Hatsingimari – Ampati link with the OPGW network is crucial to ensure the reliable reporting of data/voice for Hatsingimari and to enable future connectivity between Assam and Meghalaya.

As per the Minutes of the NERPC Special Meeting on the Establishment of an Alternate Path for the Hatsingimari – Ampati Line, held on 9th December 2024, the responsibilities of various utilities are outlined in the table below:

Sl No.	Location	Details of Work	Responsibility	Timeline
1	**Ampati**	Optical patching at Ampati has been completed. KLM is shared between the ECI multiplexer (owned by NBTL) and the ABB multiplexer (owned by Meghalaya).	M/s Sterlite	Completed
2	**Nangalbibra**	• Supply of one GE make and one ABB make STM-1 SFP. • Notify MePTCL 2–3 days before delivery. • MePTCL to complete inter-patching of GE and ABB FOTE within 2 days after receipt of material. • Extend the KLM to Agia substation.	M/s Sterlite (supply), MePTCL (patching & KLM)	2-3 days after receipt of material
3	**Agia**	• Assam FOTE at Agia node maintained by ULDC POWERGRID. • POWERGRID to provide one ECI make SFP. • POWERGRID and MePTCL to perform inter-patching between GE and ECI FOTE Mux. • POWERGRID to extend KLM to SLDC Assam.	POWERGRID & MePTCL (works)	2–3 days after completion of Nangalbibra
4	**Testing of Links**	Joint testing between SLDC Assam and Hatsingimari to verify link establishment.	SLDC Assam, POWERGRID, AEGCL and MePTCL	In parallel with completion of Nangalbibra works

As per 30th NETeST meeting, M/s Sterlite communicated over mail that all hardware as requested by MePTCL has been delivered at site except ABB make SFP. The same is expected by the end of January-2025.

M/s Sterlite, MePTCL, AEGCL/SLDC Assam may update the status.

3.10. Non-compliance of Communication System Outage Planning (as per Agenda 2.15 of 30th NETeST MoM)

As per Regulation 7.3 of the Central Electricity Regulatory Commission (Communication System for Inter-State Transmission of Electricity) Regulations, 2017, it has been observed that utilities are not adhering to the regulations laid down by the Hon'ble CERC.

In the 29th NETeST Meeting, it was decided that:

All constituents shall submit their outage requirements for the following month to NERPC by the 7th of the current month.

NERLDC, in coordination with NERPC, shall prepare the communication outage list for NER by the 15th of the month.

States were advised to share the list of important lines critical from a communication perspective with NERLDC by 20th September 2024.

In 30th NETeST meeting, the forum advised ULDC-POWERGRID to avail the planned shutdowns of communication elements/channel as per the communication outage planning procedure. ULDC-POWERGRID agreed to send the planned outage propositions for the next month by the 5th of the current month.

Despite these decisions, several issues have been observed:

After 29th NETeST meeting:

ULDC-POWERGRID frequently applies for shutdowns one or two days before the planned outages, which are of a planned nature. (non

None of the utilities have submitted the list of important lines critical from a communication perspective to NERLDC as mandated in the 29th NETeST Meeting.

After 30th NETeST meeting:

Shifting of FOTE at NEEPCO owned Khandong HEP, where shutdown of the system on (07-03-2025) was requested just one or two days before.

NERPC is requested to intervene and instruct all utilities to strictly follow the regulations and established protocols to ensure smooth communication outage management.

Members may deliberate.

3.11. Long outage of 400 kV New Kohima – Imphal link: Restoration of Communication Link Between 400kV New Kohima (KMTL) and NERLDC via 400kV Imphal (PG) (as per Agenda 2.16 of 30th NETeST MoM)

The 400kV New Kohima (KMTL) is connected to NERLDC, Shillong via two communication paths: one through the Fibcom link via Mariani (PG) and the other via the 400kV New Kohima (KMTL) - 400kV Imphal (PG) link. The communication link via 400kV Imphal (PG) has been out of service since June 2024. Despite follow-ups by NERLDC through emails dated 10th and 17th September 2024, the issue remains unresolved. Aparava reported that an OTDR test on the OPGW cable revealed signal loss between towers 74 and 84 in Manipur, but due to the prevailing law and order situation in the region, accessing the site is not feasible. As the outage has persisted for over seven months, it is imperative to discuss efforts to engage the local administration for assistance in resolving this critical issue.

In reference to the agenda 2.16 of Minutes of 30th NETeST meeting, the matter could not be deliberated further as representative of KMTL was not present during the deliberation. The forum advised KMTL to update the status via e-mail to NERPC. NERLDC has not received any mail till date for status of the subject quoted above.

KMTL may update the status of the restoration of 400 kV New Kohima – Imphal link.

3.12. Missing link OPGW in 132 kV Karong-Kohima line (as per Agenda 3.1 of 30th NETeST MoM)

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).

In 29th NETeST meeting DOP Nagaland has been requested to prepare a DPR to be submitted to PSDF under State Reliable Communication Scheme or any other suitable scheme for 100% funding from PSDF.
In 30th NETeST meeting, DOP-Nagaland informed that they shall update the status of DPR via e-mail to NERPC.
DoP-Nagaland may update the Status. The proposed link connection is shown below:

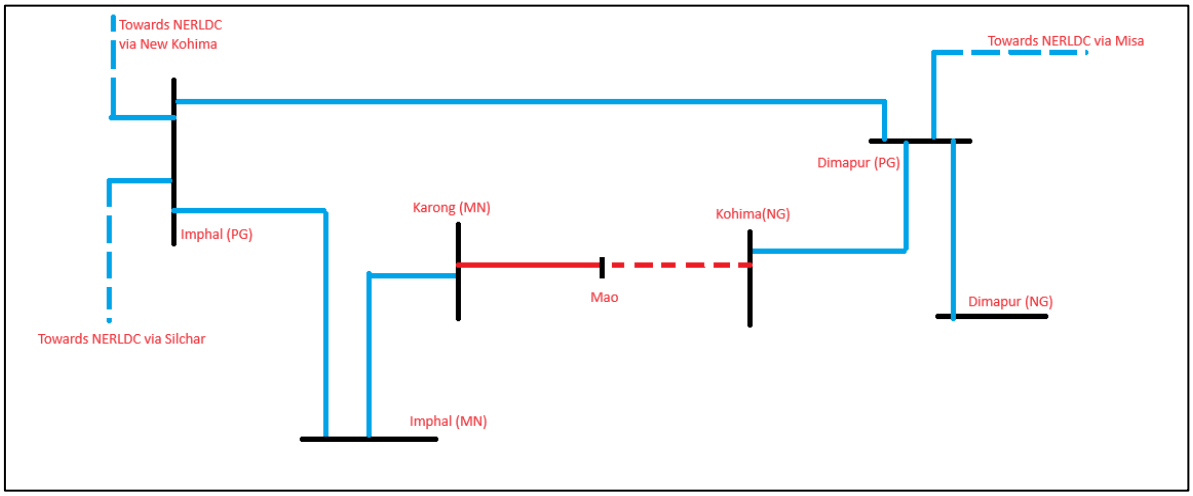


Figure 1: Connectivity Depicting Karong-Kohima

3.13. Connectivity of OPGW for 132 kV Kumarghat - PK bari for redundancy of Communication System of Tripura. (as per Agenda 3.3 of 30th NETeST MoM)

On 07/07/2024, at 1900 hrs, a technical issue at RC Nagar resulted in the failure of the 132 kV RC Nagar-Kumarghat link. This led to the unavailability of VoIP, PMU, and RTU services for the following stations at NERLDC:

400 kV SM Nagar

400 kV PK Bari

Palatana

RC Nagar

The outage persisted for over 20 hours, with restoration completed by 16:00 hrs on 08/07/2024. To enhance connectivity and prevent future disruptions, it is proposed to operationalize OPGW on the 132 kV Kumarghat-PK Bari line.

Key Updates and Deliberations:

6th Communication Planning Meeting (CPM) of CTU for the NER Region held on 23rd August 2024:

Tripura officials confirmed that OPGW and FOTE have already been installed in the Kumarghat (PG) to PK Bari (TR) portion under NERPSIP, but inter-patching remains pending.

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

Request for Fibre Allocation:

TSECL and NERPSIP are requested to allocate a pair of fibers for the 132 kV Kumarghat-PK Bari link, which will be connected to ULDC-FOTE at both stations.

Commitments from 29th NETeST Meeting:

NERPSIP-Tripura and TPTL committed to completing the following by September 2024:

a. Inter-patching with ULDC-FOTE at Kumarghat and PK Bari.

b. Providing a pair of fibers to establish a redundant communication channel between Kumarghat and PK Bari.

Request for Updates:

NERPSIP-Tripura, TPTL, and ULDC-POWERGRID are requested to provide an updated status on the progress of the inter-patching and fibre allocation activities.

In 30th NETeST meeting it was decided that the Members shall update the latest status via e-mail to NERPC.

The proposed link connection is shown below:

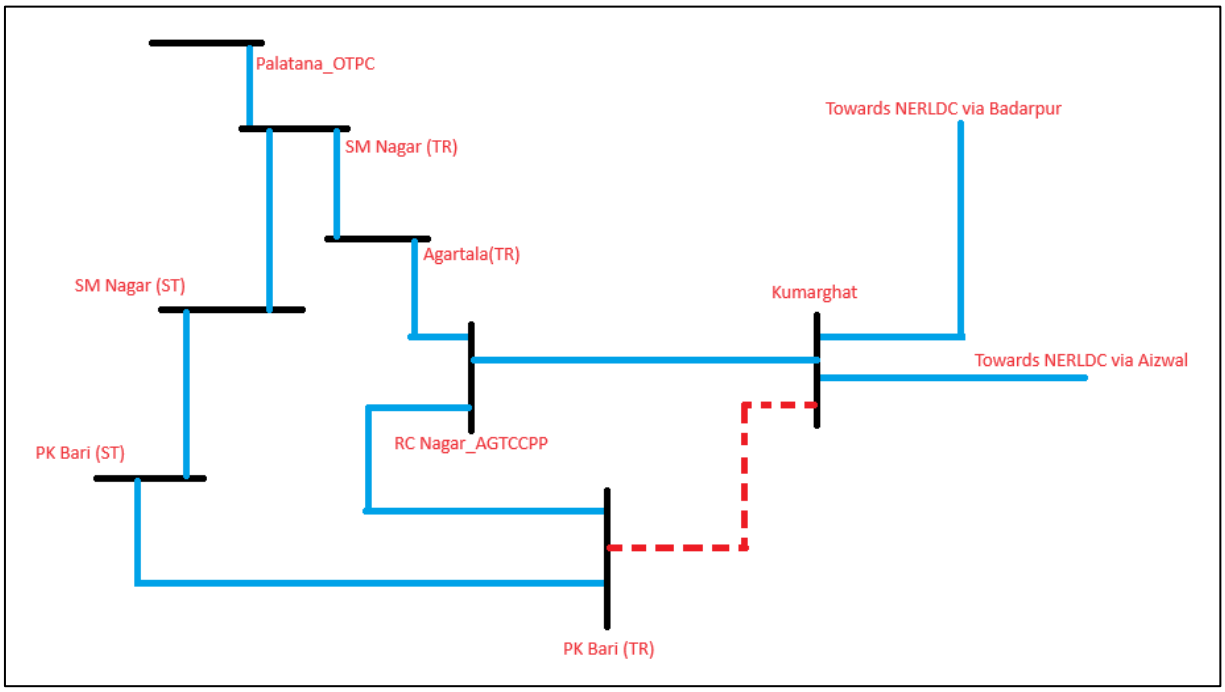


Figure 2: Connectivity Depicting Kumarghat-PK Bari

Members may deliberate.

3.14. Notification of Revised Guidelines for PSDF Fund Disbursement and Request for DPR Revisions (as per Agenda 3.5 of 30th NETeST MoM)

It is pleased 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.

In the 29th NETeST meeting, the forum requested states to revise the DPR of State Reliable Communication scheme for getting funding from PSDF and send it to PSDF by October 2024.

As per 30th NETeST meeting, the forum decided that all states shall update the status of the DPR via e-mail to NERPC.

Utility is requested to update, whether they have e-mailed to NERPC the status. If NERPC has received the status the same may be shared to forum in form of the update MoM.

Members may deliberate.

3.15. Non reporting of Deemed ISTS stations (as per Agenda 3.6 of 30th NETeST MoM)

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 Tipaimukh (Manipur)	132 kV Aizawl (Mizoram-PG)	Data is not reporting due to non-availability of communication link.

TSECL and MSPCL may update the status.

3.16. Connectivity of 132 kV Roing, Tezu and Namsai on OPGW (as per Agenda 3.7 of 30th NETeST MoM)

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.

ULDC-POWERGRID and NERPSIP committed to complete the necessary inter-patching work required at 132 kV Chapakhowa within 15 days of last NETeST (i.e. by 20th September 2024).

In the 30th NETeST meeting, the forum decided that ULDC-POWERGRID and NERPSIP shall update the status via e-mail to NERPC.

It is further to inform that there is a break in OPGW from Rupai to Chapakhowa which needs to restore by NERPSIP. NERLDC has written

mail to NERPSIP on 11th February 2025 and reminder mail on 18th March 2025.

Members may deliberate.

3.17. 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). (as per Agenda 3.8 of 30th NETeST MoM)

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).

In 29th NETeST meeting, NERLDC informed that only PE&D, Mizoram has been submitting the monthly progress report while DOP-Arunachal Pradesh, DOP-Nagaland and TPTL (Tripura) has not yet submitted the monthly progress report to NERPC and NERLDC. MS NERPC has further emphasize the need to adhere to CERC order strictly and comply accordingly.

However, DOP-Arunachal Pradesh, DOP-Nagaland and TPTL (Tripura) are yet to submit the progress report.

In the 30th NETeST meeting, the forum decided that DOP-Arunachal Pradesh, DOP-Nagaland and TPTL (Tripura) shall update the status via e-mail to NERPC.

DOP-Arunachal Pradesh, DOP-Nagaland and TPTL (Tripura) may update the status.

3.18. Connectivity of NERLDC Guwahati with Sarusajai and Umiam bypassing Kahilipara for its redundancy. (Agenda 3.9 as per MoM of 30th 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:

POWERGRID to lay two 24-core fibre 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 POWERGRID may update the status.

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.

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.

In 29th NETeST meeting Meghalaya (MeECL) has updated the status of board approval. After deliberation, MS NERPC has informed that matter will be taken up by NERPC.

The matter was deliberated in 27th TCC meeting held on 7th-8th November 2024 and after detailed deliberation, NERPC forum granted in-principle approval for the redundant fibre path to enhance grid security, with 24 fibres allocated for state use and 24 for ISTS use, subject to CEA guidelines

for OPGW sharing. Meghalaya and Assam will provide the board approval accordingly to CTU/NERPC.

In the 30th NETeST meeting, the forum decided that Meghalaya and Assam shall update the status via e-mail to NERPC.

Meghalaya and Assam may be update the status.

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

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 Centers of the North Eastern Region (NER), for each of the seven NER states, were submitted to PSDF Committee for approval on 16th August 2024.

In the 86th Meeting of the TESG of PSDF held on 22nd October 2024, all NER States have submitted a signed copy of point-wise replies addressing all observations and deliberations made by TESG members, along with the supporting documents

In the 88th meeting of TESG of PSDF held on 07th March 2025, the revised Cost Estimate of SCADA/EMS upgradation project of NER SLDCs based on latest LOA (SRLDC) with 30% escalation considered based on the factors such as complex geographical locations, law and order issues, hilly terrains and higher labor/transportation costs.

Update from PSDF committee is yet to be received.

3.20. Status of State reliable communication scheme (Agenda 3.11 as per MoM of 30th NETeST Meeting)

NERLDC would like to inform the forum that as per Minutes of 23rd Monitoring Committee meeting of PSDF, it was decided to approve the PSDF funds for NER and requested Appraisal committee to ask NER states to put the DPRs accordingly. Using the positive opportunity NERLDC requests all states to submit DPRs in PSDF for approval at the earliest.

State reliable communication scheme is being funded 100% by PSDF 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. 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 29th NETeST	Status as per 30th NETeST
Arunachal Pradesh	DoP-Arunchal Pradesh may update the status.	Update yet to receive
Assam	SLDC Assam/AEGCL may update the status.	Update yet to receive
Manipur	MSPCL may update the status	Update yet to receive
Meghalaya	MePTCL may update the status.	Update yet to receive
Mizoram	PE&D, Mizoram may update the status.	Update yet to receive
Nagaland	DoP, Nagaland may update the status.	Update yet to receive
Tripura	TPTL may update the status.	Update yet to receive

In 29th NETeST meeting, MS NERPC informed all NER states to prepare the revise DPRs as per new guideline issued for PSDF funding.

In the 30th NETeST meeting, the forum decided that all states shall update the status via e-mail to NERPC.

Status may be updated.

3.21. Implementation of Guwahati Islanding Scheme (Agenda 3.12 as per MoM of 30th 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.

In 29th NETeST meeting, AEGCL informed that the revised DPR has been submitted to PSDF on 06th July 2024.

In the 30th NETeST meeting, the forum decided that AEGCL/SLDC, Assam shall update the status via e-mail to NERPC.

Status may be updated.

3.22. Non-availability of real-time data pertaining to POWERGRID-owned bays installed at AEGCL-owned stations (Agenda 3.13 as per MoM of 30th 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:

Silchar bays installed at Srikona station isolator data since 28th Nov - 2022.

Silchar bays installed at Hailakandi.

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

Sl. No.	Name of Bay	Status as per 29th NETeST	Latest status (as per 30th NETeST meeting)
1	Silchar bays installed at	ULDC-NERTS informed that they will complete the work by	Update yet to receive

	Srikona station	one month (October 2024) Action: POWERGRID may update the status	
2	Silchar bays installed at Hailakandi.	ULDC-NERTS informed that they will complete the work by one month (October 2024) Action: POWERGRID may update the status	Update yet to receive
3	132 kV BNC HVDC bays at Pavoi S/s.	ULDC-NERTS informed that they will complete the work by one month (October 2024) Action: POWERGRID may update the status	Update yet to receive

Members may deliberate.

3.23. Restoration of OPGW owned by Manipur (Agenda 3.14 as per MoM of 30th 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 POWERGRID 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.

During 29th NETeST meeting, ULDC-NERTS informed that all necessary documents has been handed over to SLDC, Manipur in April 2024. However, Manipur has requested ULDC-NERTS to complete this work. ULDC-NERTS assured the forum to complete the work within three months after having discussion internally.

In the 30th NETeST meeting, the forum decided that POWERGRID-ULDC and MSPCL shall update the status via e-mail to NERPC.

Status may be updated.

3.24. Establishment of redundant fibre path between NERLDC and NEHU for reliability of power system communication link till RLDC. (As per MoM Point 3.15 of 30th 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.

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

B. As per 29th 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.

In 29th NETeST meeting Meghalaya (MeECL) has updated the status of board approval. After deliberation, MS NERPC has informed that matter will be taken up by NERPC.

The matter was deliberated in 27th TCC meeting held on 7th-8th November 2024 and after detailed deliberation, NERPC forum granted in-principle approval for the redundant fibre path to enhance grid security, with 24 fibres allocated for state use and 24 for ISTS use, subject to CEA

guidelines for OPGW sharing. Meghalaya and Assam will provide the board approval accordingly to CTU/NERPC.

In the 30th NETeST meeting, the forum decided that Meghalaya and Assam shall update the status via e-mail to NERPC.

Status may be updated.

3.25. Status of Fiber-Optic works under different projects (As per MoM Point 3.16 of 30th NETeST)

S. No.	Link name	Utilities which may respond	As per 29th NETeST	As per 30th NETeST
I. Fiber Optic Expansion Projects				
Meghalaya State Sector				
1	132kV NEHU - NEIGRIMS	POWERGRID-NERTS	--	Update yet to receive
Central Sector				
2	400kV Bongaigaon (PG) - 220kV Salakati - 220kV BTPS	POWERGRID-NERTS	No response has been obtained from Chinese vendor M/S SDJI. ULDC-NERTS is trying to Partially off load the contract, so that pending work can be assigned to new contractor. Target: October 2024	Update yet to receive
3	400kV Mirza (Azara) – Byrnihat (Killing)		No response has been obtained from Chinese vendor M/S SDJI. ULDC-NERTS is trying to Partially off load the contract, so that pending work can be assigned to new contractor. Target: October 2024	Update yet to receive

S. No.	Link name	Utilities which may respond	As per 29th NETeST	As per 30th NETeST
4	400kV Silchar – Palatana		Survey going on for unhealthy stretch. Work will commence after availability of materials on site. Target: October 2024	Update yet to receive

In the 30th NETeST meeting, the forum decided that all members shall update the status via e-mail to NERPC.

NERLDC has not received the status over email, due to which it is difficult to update the records. These records are important not only for operational purposes but also for issuance of the ToC.

Status may be updated.

3.26. Status and details of Fiber-Optic projects approved in 17th TCC/RPC meeting (As per MoM point 3.17 of 30th NETeST)

Updates on following schemes are not yet received.

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 29th NETeST meeting has not been received till date.

Status as per 30th NETeST meeting has not been received till date.

Action***: POWERGRID-ULDC may update the status***.

B. Reliable Communication Scheme:

a. Replacement of existing fibre:

Status as per 29th NETeST meeting has not been received till date.

Status as per 30th NETeST meeting has not been received till date.

Action: ***POWERGRID-ULDC may update the status.***

b. Fibre on new lines:

Status as per 29th NETeST meeting has not been received till date.

Status as per 30th NETeST meeting has not been received till date.

NERLDC has not received the status over email, due to which it is difficult to update the records. These records are important not only for operational purposes but also for issuance of the ToC.

Members may deliberate.

3.27. Integration of Dikshi HEP real time data and pending Voice communication (Agenda 3.18 as per MoM of 30th 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.

During 29th NETeST meeting, DOP-Arunachal Pradesh informed that Dikshi HEP is now connected to a dedicated leased line from July'24 onwards and they are in the process of connecting the VOIP phone.

In the 30th NETeST meeting, the forum decided that DOP-AP shall update the status via e-mail to NERPC. DoP-AP,Utility is requested to update, whether they have e-mailed to NERPC the status.

Members may deliberate.

3.28. Automatic Generation Control (AGC) in Indian Grid (Agenda 3.19 as per MoM of 30th NETeST)

The status is tabulated below:

Station Name	Background	Status as per 29th NETeST Meeting	Status as per 30th NETeST Meeting
AGBPP (Kathalguri)	OEM visits was envisaged as per following – • Some units are of Mitsubishi make which require team from Japan to visit plant. • Other units are of GE-make and BHEL-make	NEEPCO will provide the status update to NERPC via e-mail. NEEPCO is yet to provide e-mail.	Update yet to receive
Doyang	NEEPCO may update the status	NEEPCO will provide the status update to NERPC via e-mail. NEEPCO is yet to provide e-mail.	NEEPCO was absent in the meeting. Update yet to receive.
Kopili Stage -2	25 MW	NEEPCO will provide the status update to NERPC via e-mail. NEEPCO is yet to provide e-mail.	NEEPCO was absent in the meeting. Update yet to receive.
Kopili	100W	NEEPCO will provide the status update to NERPC via e-mail. NEEPCO is yet to provide e-mail.	NEEPCO was absent in the meeting. Update yet to receive.
Khandong	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	NEEPCO will provide the status update to NERPC via e-mail. NEEPCO is yet to provide e-mail.	NEEPCO was absent in the meeting. Update yet to receive.

Station Name	Background	Status as per 29th NETeST Meeting	Status as per 30th NETeST Meeting
Kameng	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	NEEPCO will provide the status update to NERPC via e-mail. NEEPCO is yet to provide e-mail.	NEEPCO was absent in the meeting. Update yet to receive.
Ranganadi (Panyor)	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	NEEPCO will provide the status update to NERPC via e-mail. NEEPCO is yet to provide e-mail.	NEEPCO was absent in the meeting. Update yet to receive.
Pare	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	NEEPCO will provide the status update to NERPC via e-mail. NEEPCO is yet to provide e-mail.	NEEPCO was absent in the meeting. Update yet to receive.
RC Nagar	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	NEEPCO will provide the status update to NERPC via e-mail. NEEPCO is yet to provide e-mail.	NEEPCO was absent in the meeting. Update yet to receive.
Palatana	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	OTPC was absent.	OTPC was absent in the meeting. Update yet to receive.

Status as per 29th NETeST not received.

Status as per 30th NETeST is yet to be received.

Members may deliberate.

3.29. Pending issues of State Utilities of NER (Agenda 3.20 as per MoM of 30th NETeST Meeting)

Utility	Pending issues	Remarks as per 29th NETeST	Status as per 30th NETeST Meeting
Assam	SAS upgradation related works may be updated.	All the NER States will provide the status update to NERPC via e-mail. Status as per 29th NETeST is yet to be received.	Update yet to receive
Tripura	Dharmanagar	All the NER States will provide the status update to NERPC via e-mail. Status as per 29th NETeST is yet to be received.	Update yet to receive
	Ambassa		Update yet to receive
Manipur	Chandel, Churachandpur, Rengpang, Tipaimukh, and Yiangangpokpi	All the NER States will provide the status update to NERPC via e-mail. Status as per 29th NETeST is yet to be received.	Update yet to receive
	Hundung, Yurembam, Kakching, Konga and Ningthoukhong		Update yet to receive
	Elangkhangpokpi, Thanlon, 132kV Thoubal, 132 kV Moreh	All the NER States will provide the status update to NERPC via e-mail. Status as per 29th	Update yet to receive

		NETeST is yet to be received.	
Nagaland	Kiphire	All the NER States will provide the status update to NERPC via e-mail. Status as per 29th NETeST is yet to be received.	Update yet to receive
Mizoram	Luangmual	All the NER States will provide the status update to NERPC via e-mail. Status as per 29th NETeST is yet to be received.	Update yet to receive
	Zuangtui		Update yet to receive
	Kolasib		Update yet to receive
Arunachal Pradesh	VSAT installation and other issues	All the NER States will provide the status update to NERPC via e-mail. Status as per 29th NETeST is yet to be received.	Update yet to receive
Meghalaya	Non reporting of stations	220 kV Mawngap is now reporting	Update yet to receive

Status as per 29th NETeST not received.

Status as per 30th NETeST is yet to be received.

Members may deliberate.

3.30. Feasibility to connect Lekhi Substation over Fiber-Optic Network (Agenda 3.21 as per MoM of 30th 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 Arunchal 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.

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.

During 29th NETeST meeting, DOP-Arunachal Pradesh informed that the new control room will be ready by December 2024, so the necessary work can be completed by ULDC-NERTS after commissioning of new control room.

In the 30th NETeST meeting, the forum decided that POWERGRID-ULDC shall update the status via e-mail to NERPC.

Status may be updated.

Reply all | Delete Junk |

Request to integrate DoP, Arunachal Pradesh Station over OPGW.

SD

Sakal Deep (सकल दीप) Reply all |
Tue 3/11, 15:37
aesldc2021@gmail.com; apsldc.sd; nicegeyi@gmail.com; Amaresh Mallick (अमरे

Inbox

Dear Sir,

As per the trailing mail, the fibre connectivity from Pasighat till SLDC Arunachal Pradesh is completed and commissioned.

Hence, we request to kindly integrate following stations over OPGW also apart from the available VSAT:

1. Along
2. Pasighat
3. Daporizo

This will help in reliability of real time telemetry of DoP Arunachal Pradesh.

Kindly do the needful at the earliest.

Regards,
Sakal Deep (सकल दीप)
North Eastern Regional Load Despatch Centre
Grid Controller of India Limited/ ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(Formerly known as Power System Operation Corporation Ltd)
(A Government of India Enterprise)

From: Prasanta Kumar Das {प्रशांत कुमार दास} <prasanta@powergrid.in>
Sent: Friday, March 7, 2025 6:06 AM
To: aesldc2021@gmail.com
Cc: apsldc.sd <apsldc.sd@gmail.com>; pc@gov.in; kb.jagtap@gov.in; Amaresh Mallick (अमरेश मल्लिक) <amareshmallick@grid-india.in>; anilkawrani@nic.in; NERLDC SCADA <nerldc.scada@grid-india.in>; alik.erpc@gov.in; Pradeep Kumar {प्रदीप कुमार} <pradeepkumar@powergrid.in>; H Talukdar {एच. तालुकदार} <h.talukdar@powergrid.in>; Kamlesh Baishya {कमलेश Baishya} <kamlesh156@powergrid.in>; Bhaskar Jyoti Gohain {भास्कर ज्योति गोहेन} <bhaskarjyotigohain@powergrid.in>
Subject: Re: Regarding information of completion of OPGW and FOTE commissioning in the path OPGW, FOTE and commissioning of FOTE in the path from Pasighat to Ziro i.e Pasighat-> Along-> Basar->Daporizo-> Ziro

Reply all | Delete Junk |

RE: Request to integrate data of Panyor and Pare in Chimpu S/s RTU.

SD

Sakal Deep (सकल दीप) Reply all |
Tue 3/11, 15:33
apsldc.sd; nicegeyi@gmail.com; S P Barnwal (एस पी बर्नवाल); Saugato Monda

Inbox

Dear Sir,

Gentle reminder-1.

Regards,
Sakal Deep (सकल दीप)
North Eastern Regional Load Despatch Centre
Grid Controller of India Limited/ ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(Formerly known as Power System Operation Corporation Ltd)
(A Government of India Enterprise)

From: Sakal Deep (सकल दीप)
Sent: Monday, February 17, 2025 11:07 AM
To: apsldc.sd <apsldc.sd@gmail.com>; nicegeyi@gmail.com
Cc: S P Barnwal (एस पी बर्नवाल) <spbarnwal@grid-india.in>; Saugato Mondal (सौगाता मंडल) <saugato@grid-india.in>; NERLDC SCADA <nerldc.scada@grid-india.in>; Executive Engineer <eesldcitaap@gmail.com>; Assistant Engineer <aesldc2021@gmail.com>
Subject: Request to integrate data of Panyor and Pare in Chimpu S/s RTU.

Dear Sir,
It has been observed that the data (MW, MVAR, CB, and isolators) for Panyor and Pare bays at Chimpu S/s is not being reported. Upon further analysis, it has come to our attention that MFTs and CMRs for the mentioned bays are yet to be installed.
Kindly coordinate with M/s GE to carry out the following actions to enable data reporting for the mentioned bays:

1. **Installation of MFTs:**
   - MFTs need to be installed for both bays.
   - Appropriate CT and PT connections must be completed.
   - MFTs should then be integrated with the Chimpu RTU.
2. **Installation of CMRs:**
   - CMRs need to be installed for both bays.
   - CB and isolator status should be integrated with the Chimpu RTU.

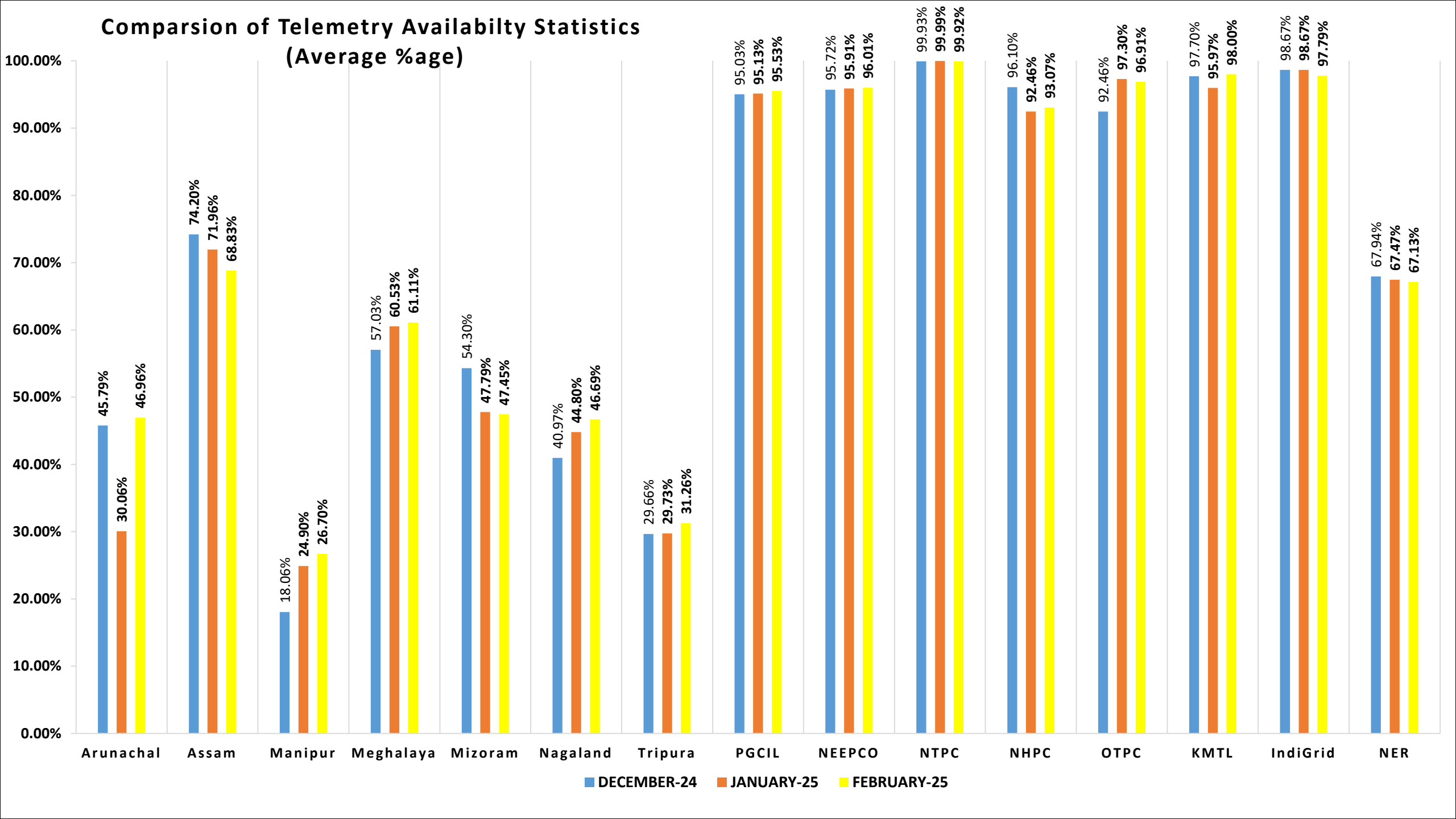
We request you to kindly coordinate with M/s GE for the integration of Panyor and Pare bay data into the Chimpu S/s RTU.

Regards,
Sakal Deep (सकल दीप)
North Eastern Regional Load Despatch Centre
Grid Controller of India Limited/ ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(Formerly known as Power System Operation Corporation Ltd)

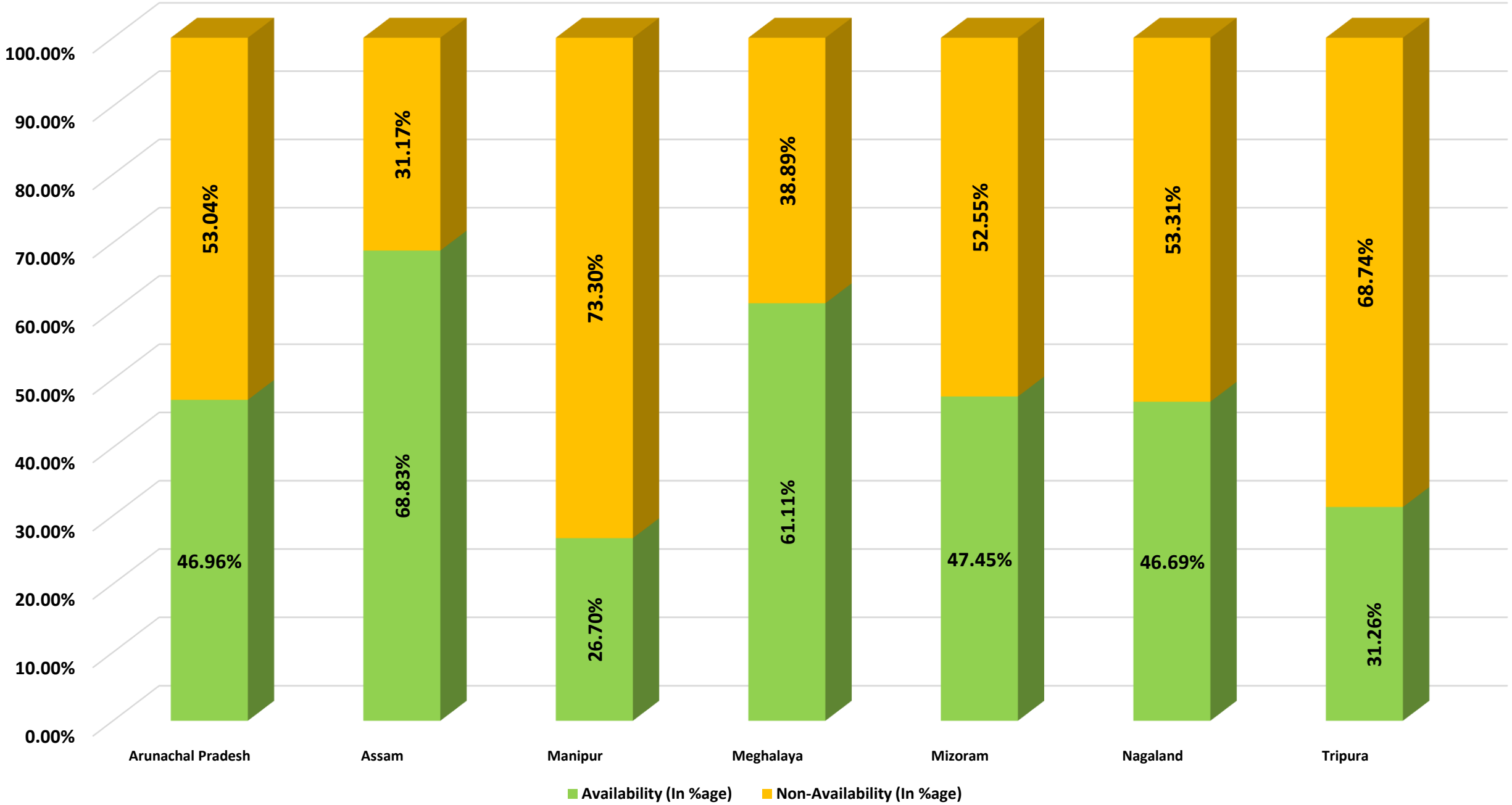
Telemetry Statistics for the month of February 2025

Annexure C 3.1

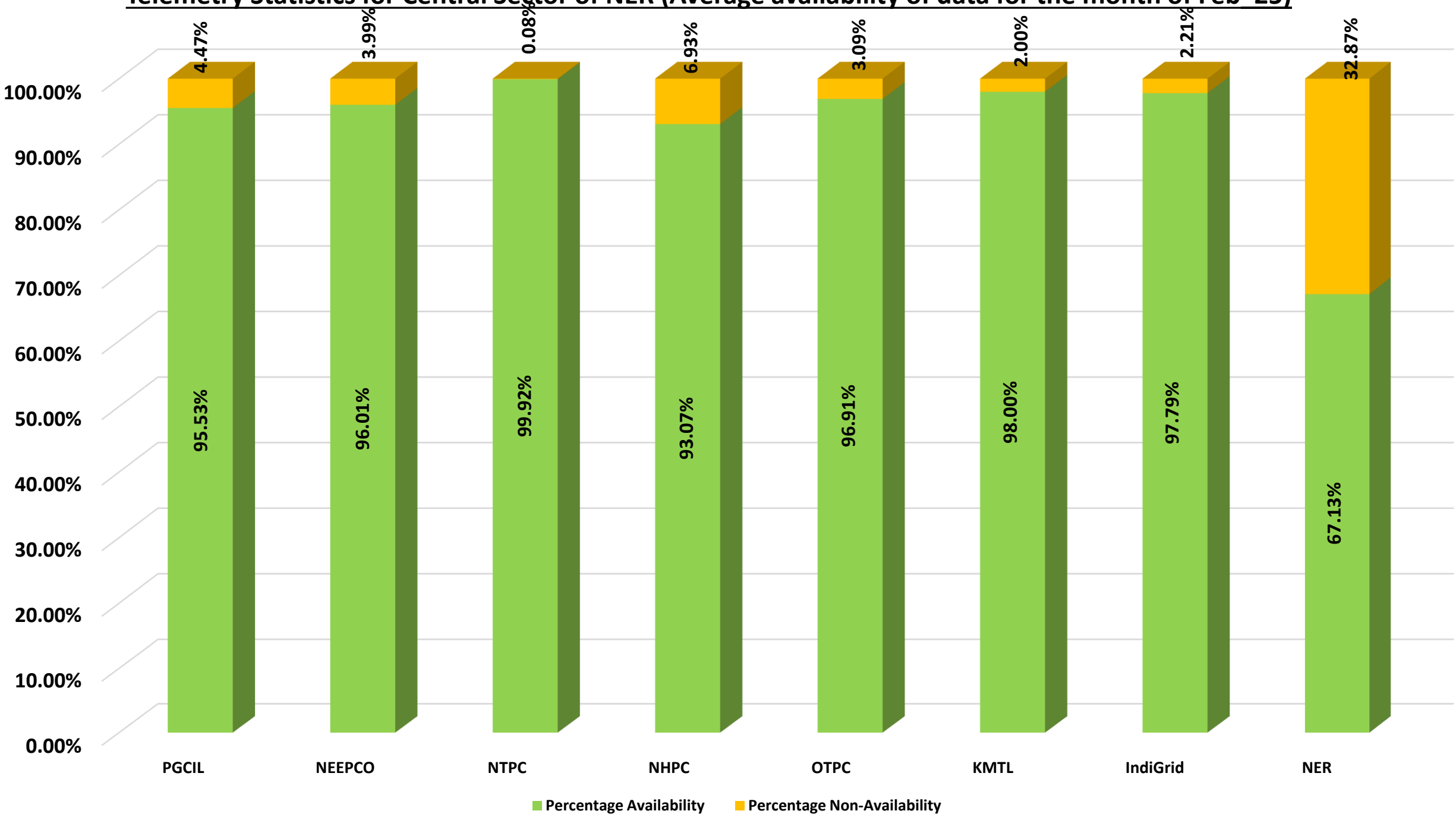
Sl. No.	Utility	Average Total Percentage	Average Analog Percentage	Average Digital Availability	Average RTU Availability	Target as per 30th NeTEST MOM
1	PGCIL	95.5	95.1	95.8	91.04	
2	NEEPCO	96	96	96	99.73	
3	NTPC	99.9	99.8	100	99.77	
4	NHPC	93.1	96.6	91.2	96.63	
5	OTPC	96.9	93.1	98.7	98.06	
6	KMTL	98	97.8	98.1	99.85	
7	Indi-Grid	97.8	95	99	99.41	
8	Arunachal Pradesh	47	51.7	44	63.78	85
9	Assam	68.8	70.2	67.8	74.83	85
10	Manipur	26.7	33.2	22.8	39.99	70
11	Meghalaya	61.1	81.7	45.6	86.7	80
12	Mizoram	47.5	54	42	73.89	60
13	Nagaland	46.7	43.2	49.1	40.47	70
14	Tripura	31.3	35.4	28.3	41.43	80
	NER	67.1	68.4	66.3	69	

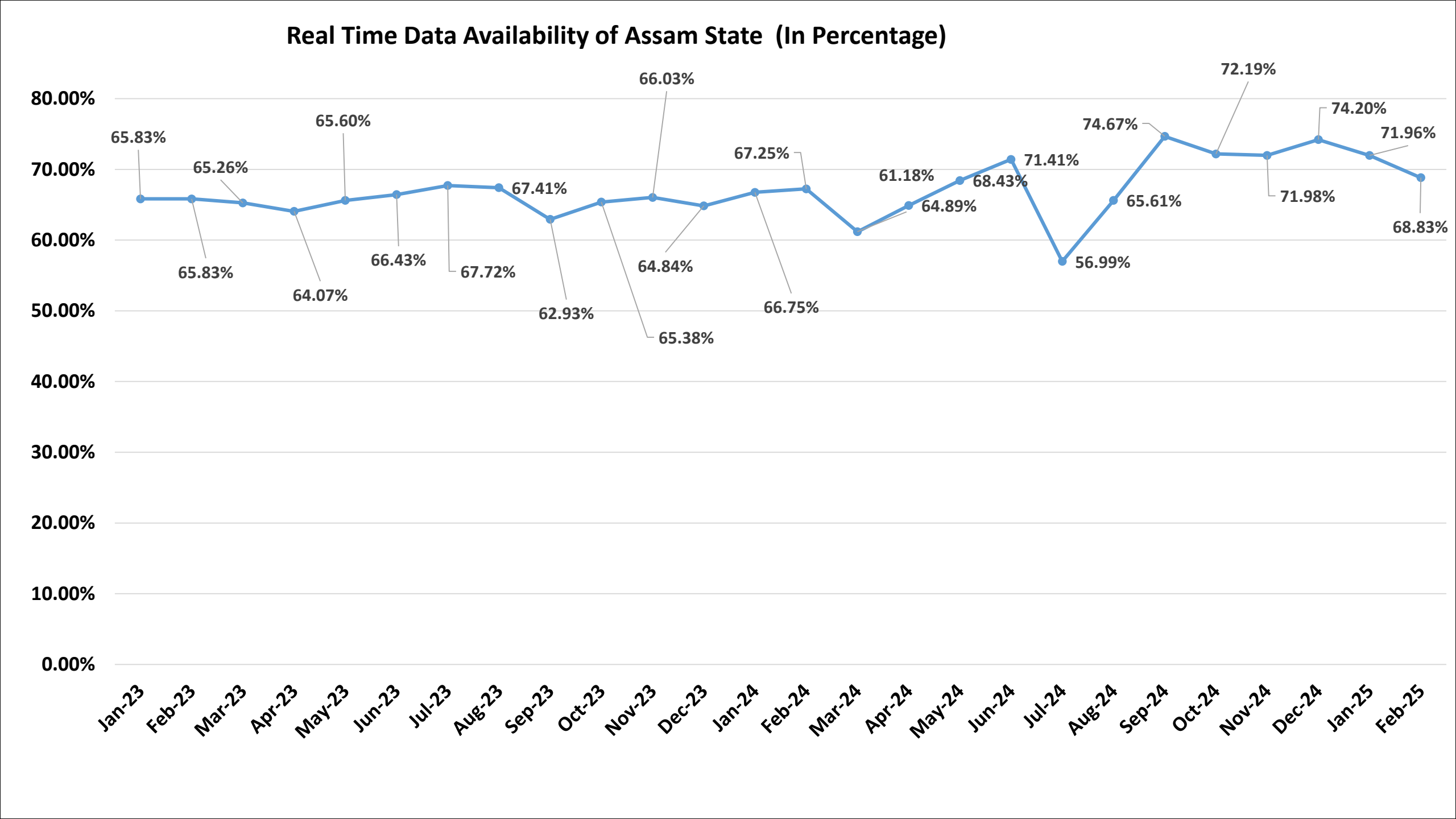

Comparsion of Telemetry Availabilty Statistics
(Average %age)
100.00%
90.00%
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
45.79%
30.06%
46.96%
74.20%
71.96%
68.83%
18.06%
24.90%
26.70%
57.03%
60.53%
61.11%
54.30%
47.79%
47.45%
40.97%
44.80%
46.69%
29.66%
29.73%
31.26%
95.03%
95.13%
95.53%
95.72%
95.91%
96.01%
99.93%
99.99%
99.92%
96.10%
92.46%
93.07%
92.46%
97.30%
96.91%
97.70%
95.97%
98.00%
98.67%
98.67%
97.79%
67.94%
67.47%
67.13%
Arunachal
Assam
Manipur
Meghalaya
Mizoram
Nagaland
Tripura
PGCIL
NEEPCO
NTPC
NHPC
OTPC
KMTL
IndiGrid
NER
DECEMBER-24
JANUARY-25
FEBRUARY-25

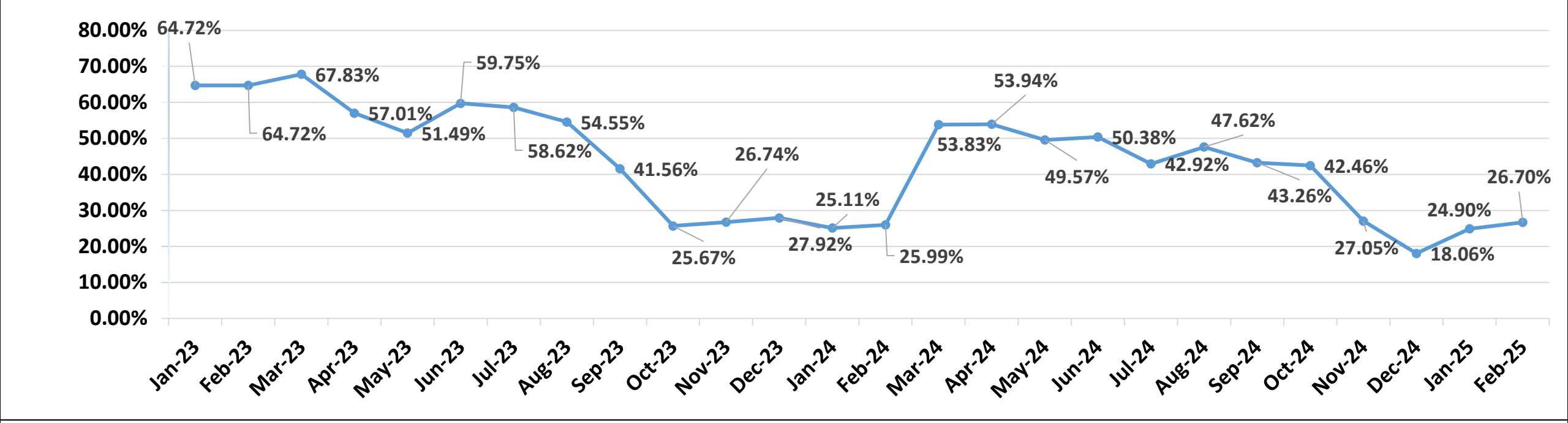
Telemetry Statistics for NER States(Average availability of data for the month of Feb '25)

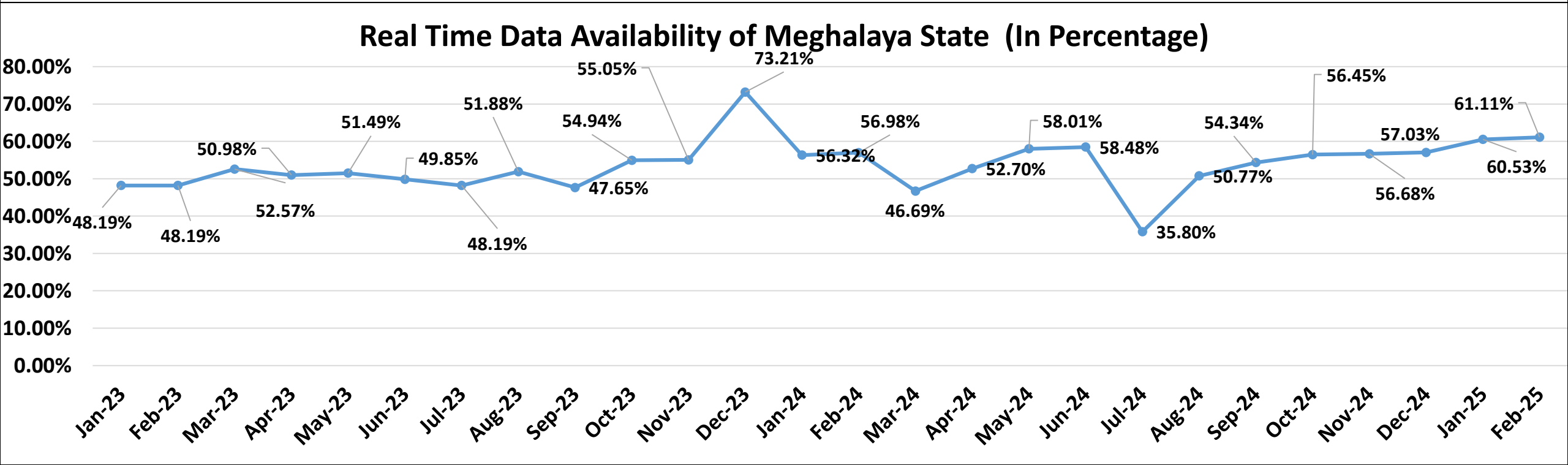


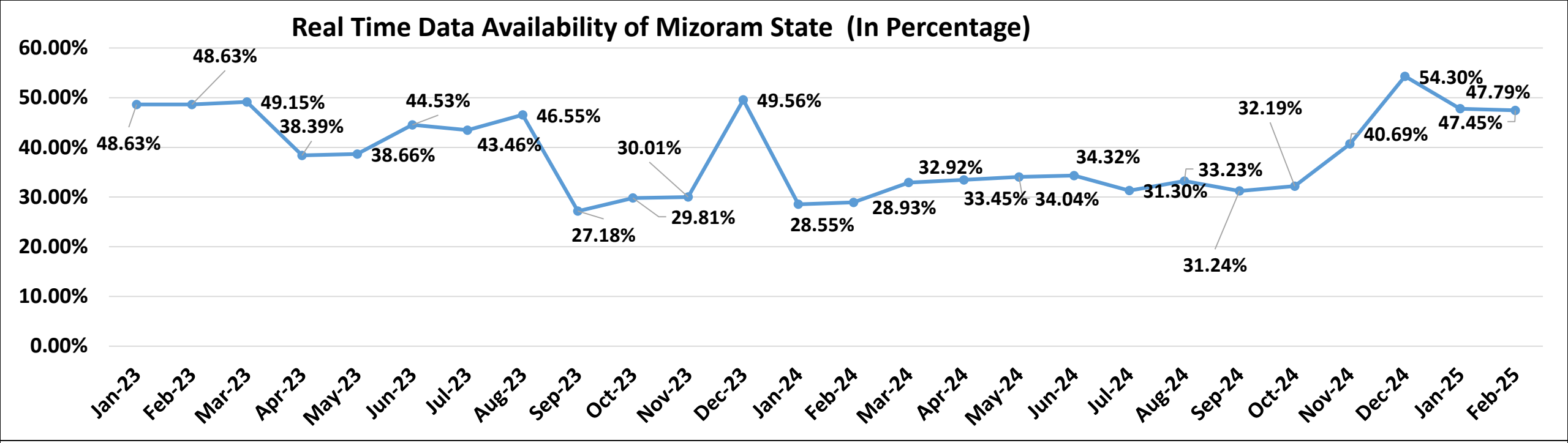
Telemetry Statistics for Central Sector of NER (Average availability of data for the month of Feb '25)

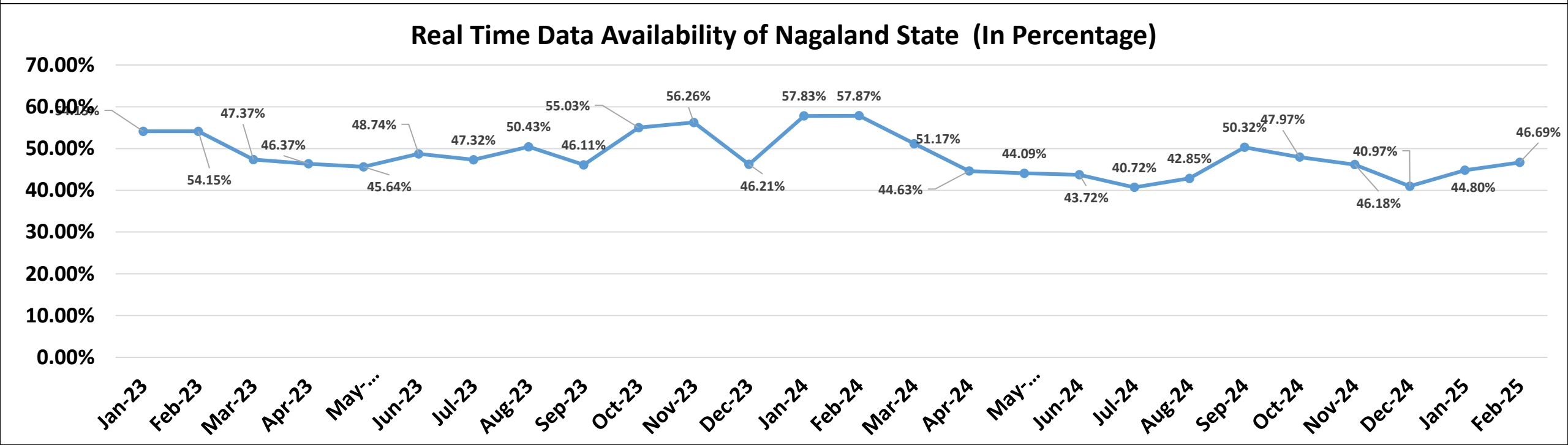


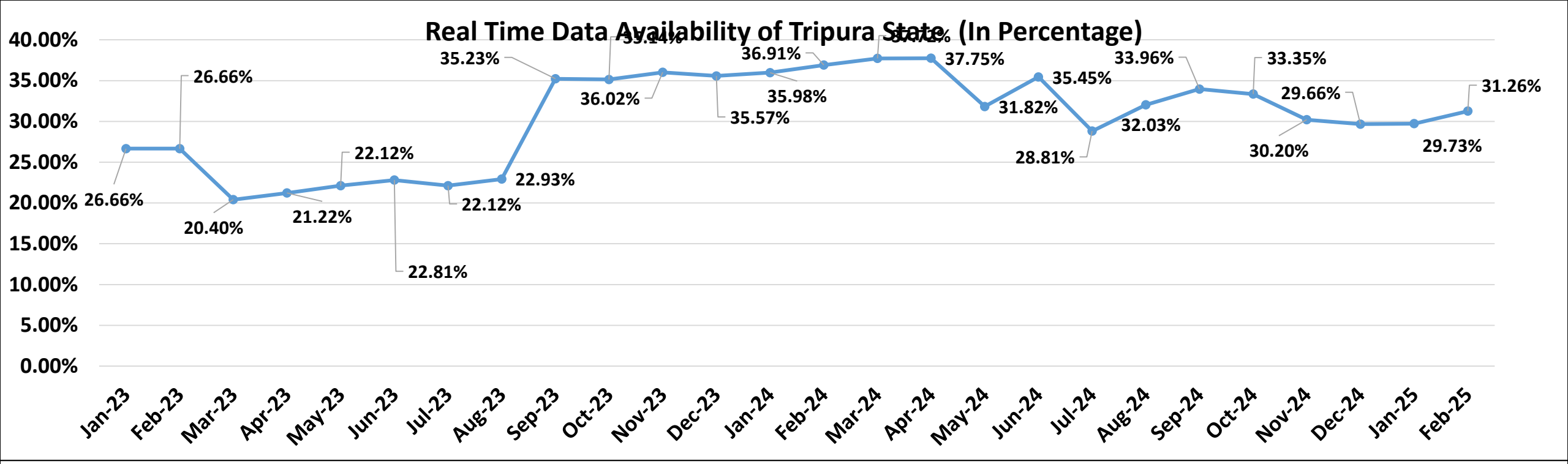

Real Time Data Availability of Assam State (In Percentage)
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
65.83%
65.83%
65.26%
64.07%
65.60%
66.43%
67.72%
67.41%
62.93%
66.03%
65.38%
64.84%
67.25%
66.75%
61.18%
64.89%
68.43%
71.41%
56.99%
74.67%
65.61%
72.19%
71.98%
74.20%
71.96%
68.83%
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Aug-23
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25

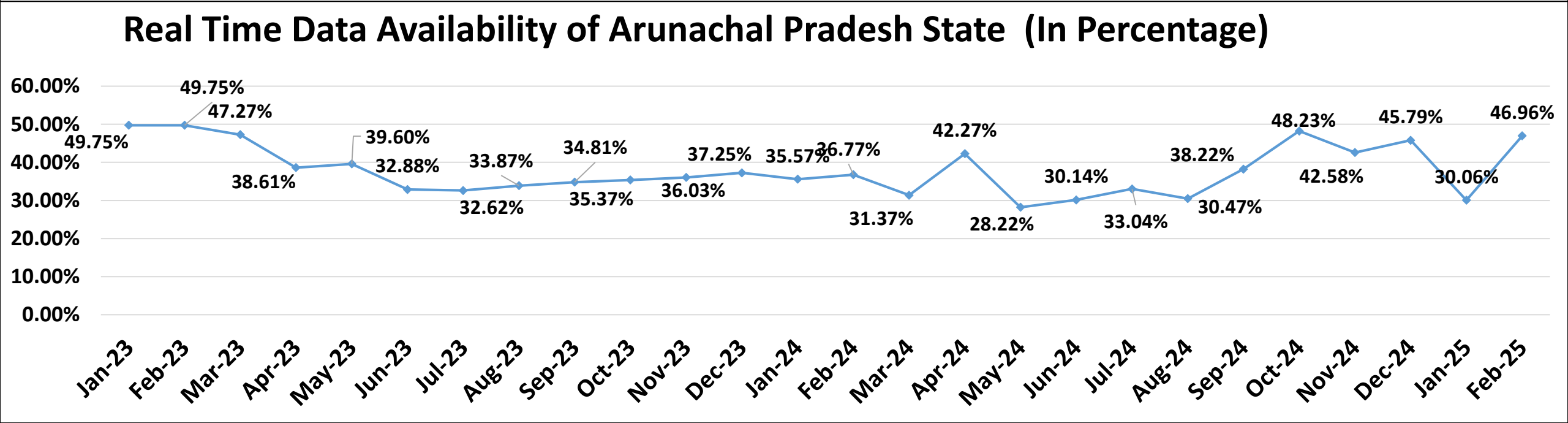

80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
64.72%
64.72%
67.83%
57.01%
51.49%
59.75%
58.62%
54.55%
41.56%
25.67%
26.74%
27.92%
25.11%
25.99%
53.83%
53.94%
49.57%
50.38%
42.92%
47.62%
43.26%
42.46%
27.05%
18.06%
24.90%
26.70%
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Aug-23
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25


Real Time Data Availability of Meghalaya State (In Percentage)
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
48.19%
48.19%
50.98%
52.57%
51.49%
49.85%
48.19%
51.88%
54.94%
47.65%
55.05%
73.21%
56.32%
56.98%
46.69%
52.70%
58.01%
58.48%
35.80%
54.34%
50.77%
56.45%
56.68%
57.03%
61.11%
60.53%
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Aug-23
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25

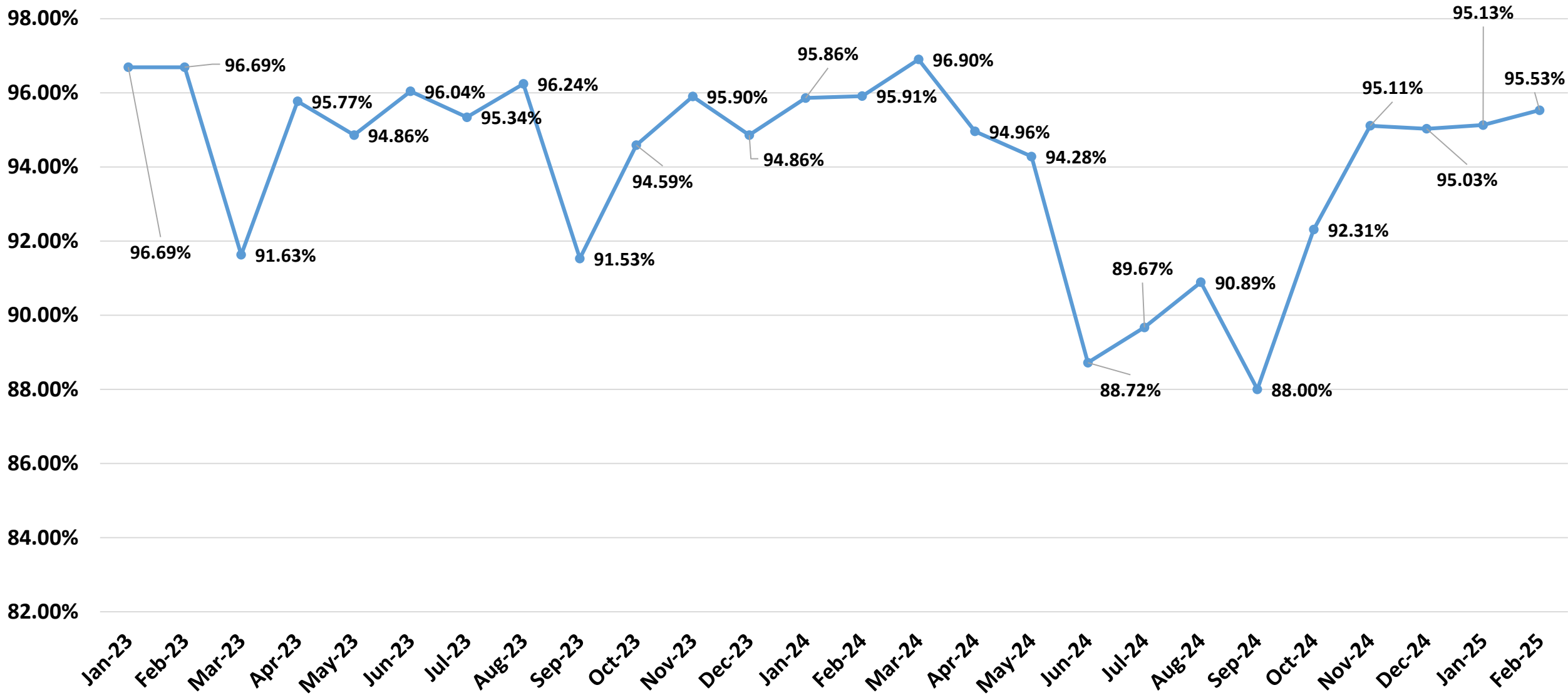

Real Time Data Availability of Mizoram State (In Percentage)
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
48.63%
48.63%
49.15%
38.39%
38.66%
44.53%
43.46%
46.55%
27.18%
30.01%
29.81%
49.56%
28.55%
28.93%
32.92%
33.45%
34.04%
34.32%
31.30%
33.23%
31.24%
32.19%
40.69%
54.30%
47.45%
47.79%
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Aug-23
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25

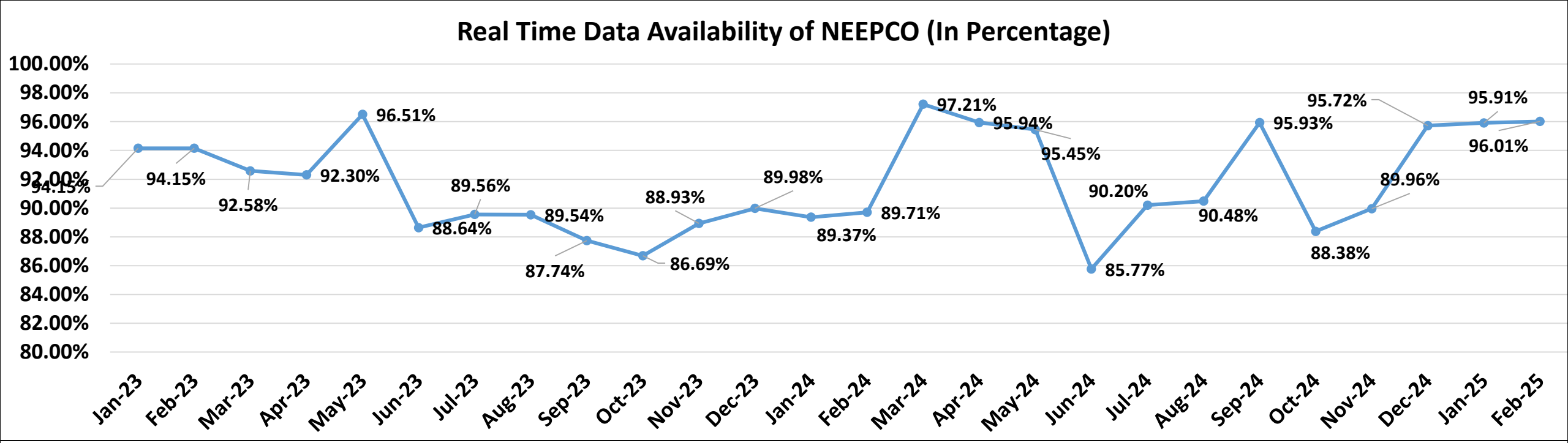

Real Time Data Availability of Nagaland State (In Percentage)
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
54.15%
47.37%
46.37%
45.64%
48.74%
47.32%
50.43%
46.11%
55.03%
56.26%
46.21%
57.83%
57.87%
44.63%
51.17%
44.09%
43.72%
40.72%
42.85%
50.32%
47.97%
40.97%
46.18%
44.80%
46.69%
Jan-23
Feb-23
Mar-23
Apr-23
May-...
Jun-23
Jul-23
Aug-23
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-...
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25

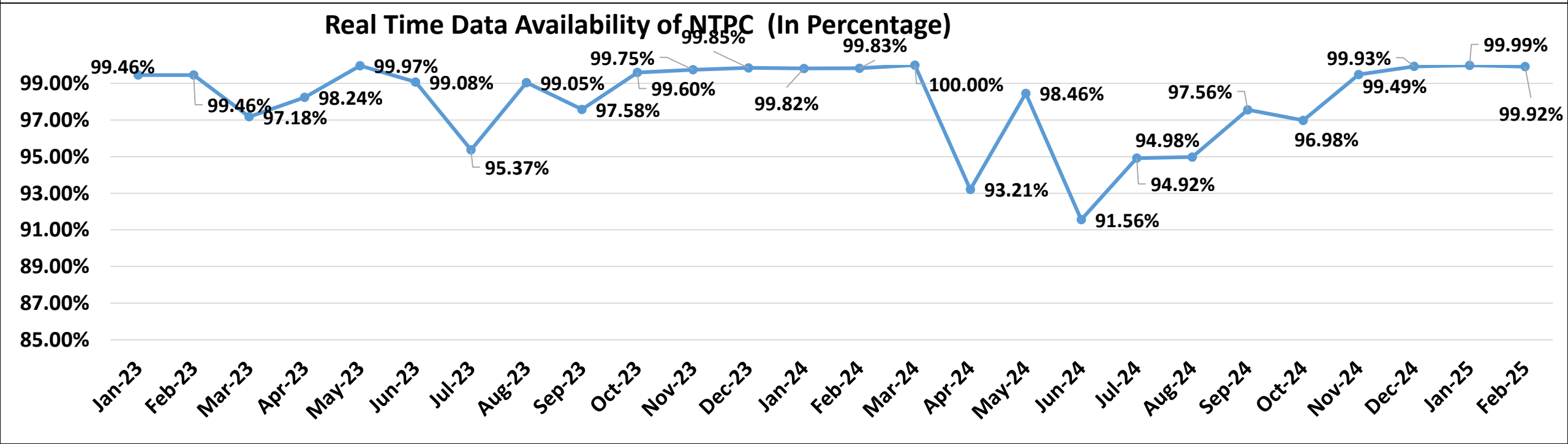

Real Time Data Availability of Tripura State (In Percentage)
40.00%
35.00%
30.00%
25.00%
20.00%
15.00%
10.00%
5.00%
0.00%
26.66%
26.66%
20.40%
21.22%
22.12%
22.81%
22.12%
22.93%
35.23%
36.02%
35.57%
36.91%
35.98%
37.75%
31.82%
35.45%
28.81%
32.03%
33.96%
30.20%
33.35%
29.66%
29.73%
31.26%
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Aug-23
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25


Real Time Data Availability of Arunachal Pradesh State (In Percentage)
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
49.75%
49.75%
47.27%
38.61%
39.60%
32.88%
32.62%
33.87%
34.81%
35.37%
36.03%
37.25%
35.57%
36.77%
31.37%
42.27%
28.22%
30.14%
33.04%
38.22%
30.47%
48.23%
42.58%
45.79%
30.06%
46.96%
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Aug-23
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25

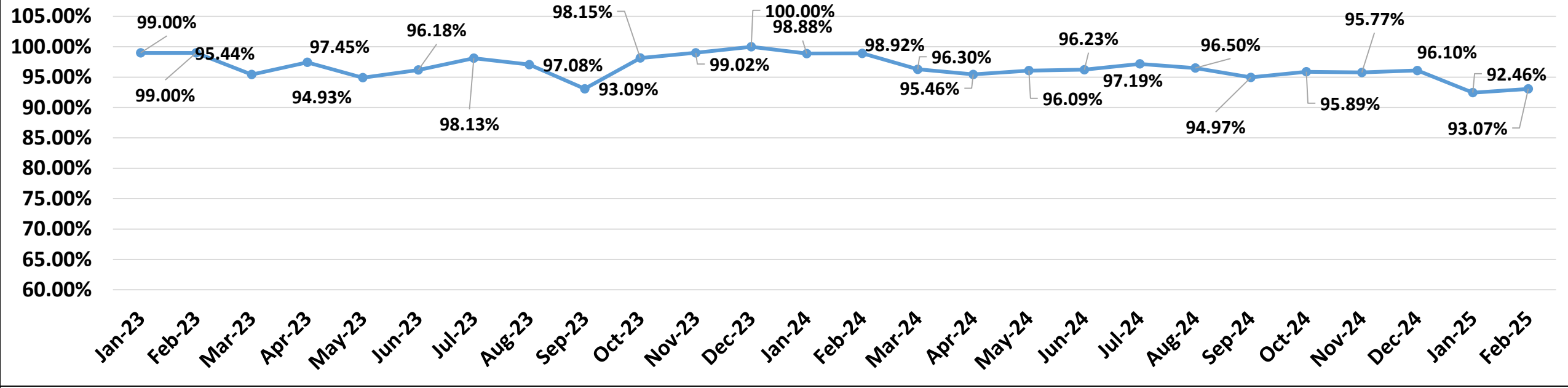
Real Time Data Availability of PGCIL(In Percentage)



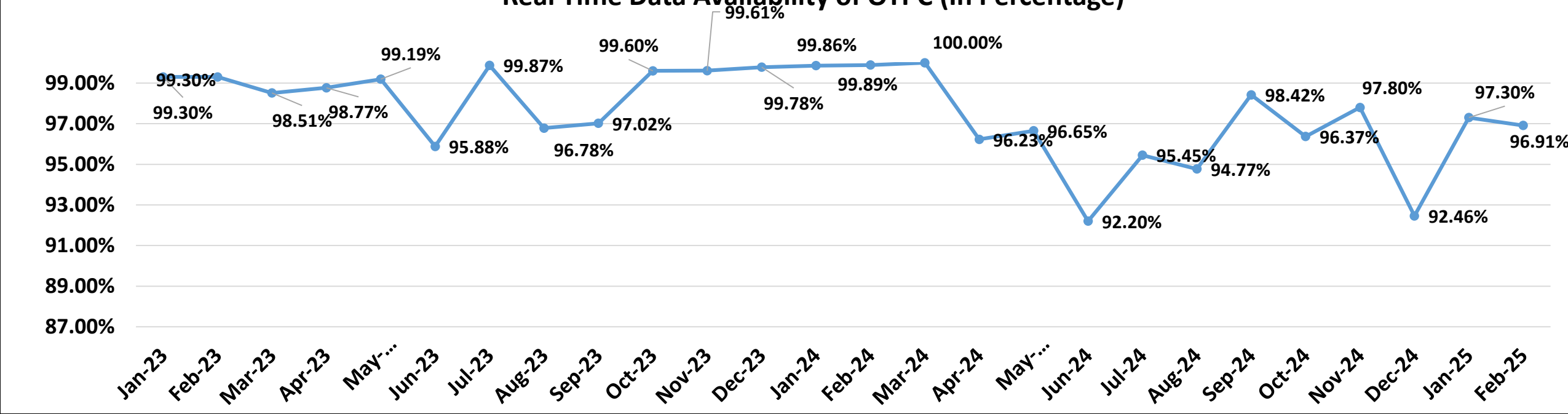

Real Time Data Availability of NEEPCO (In Percentage)
100.00%
98.00%
96.00%
94.00%
92.00%
90.00%
88.00%
86.00%
84.00%
82.00%
80.00%
94.15%
94.15%
92.58%
92.30%
96.51%
88.64%
89.56%
89.54%
87.74%
86.69%
88.93%
89.98%
89.37%
89.71%
97.21%
95.94%
95.45%
85.77%
90.20%
90.48%
95.93%
88.38%
89.96%
95.72%
95.91%
96.01%
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Aug-23
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25


Real Time Data Availability of NTPC (In Percentage)
99.00%
97.00%
95.00%
93.00%
91.00%
89.00%
87.00%
85.00%
99.46%
99.46%
97.18%
98.24%
99.97%
99.08%
95.37%
99.05%
97.58%
99.75%
99.60%
99.85%
99.82%
99.83%
100.00%
93.21%
98.46%
91.56%
94.98%
94.92%
97.56%
96.98%
99.93%
99.49%
99.99%
99.92%
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23
Jul-23
Aug-23
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25

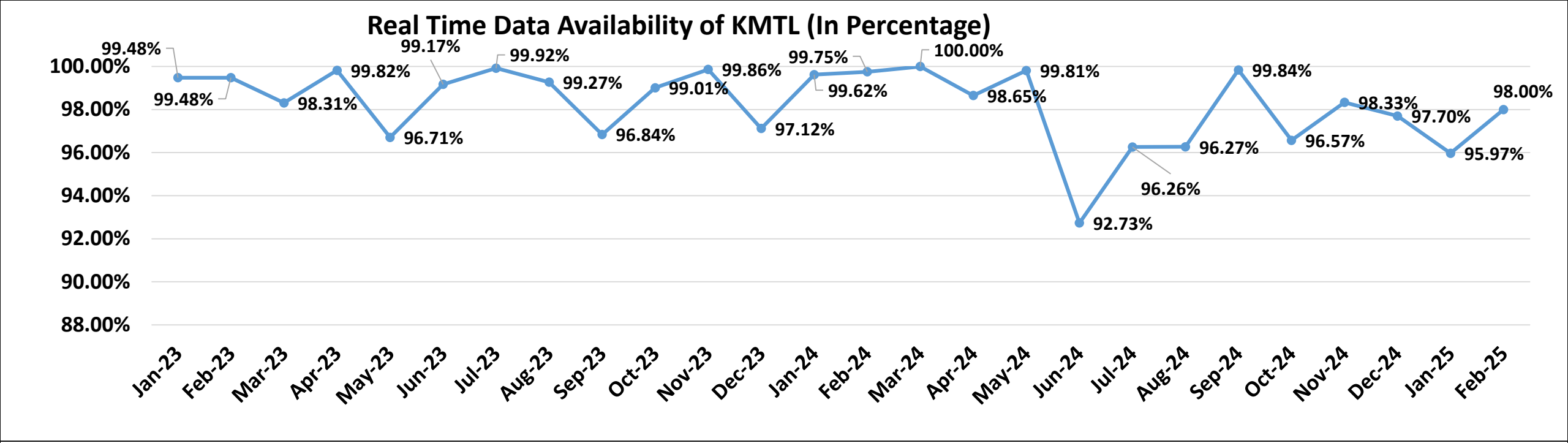
Real Time Data Availability of NHPC (In Percentage)



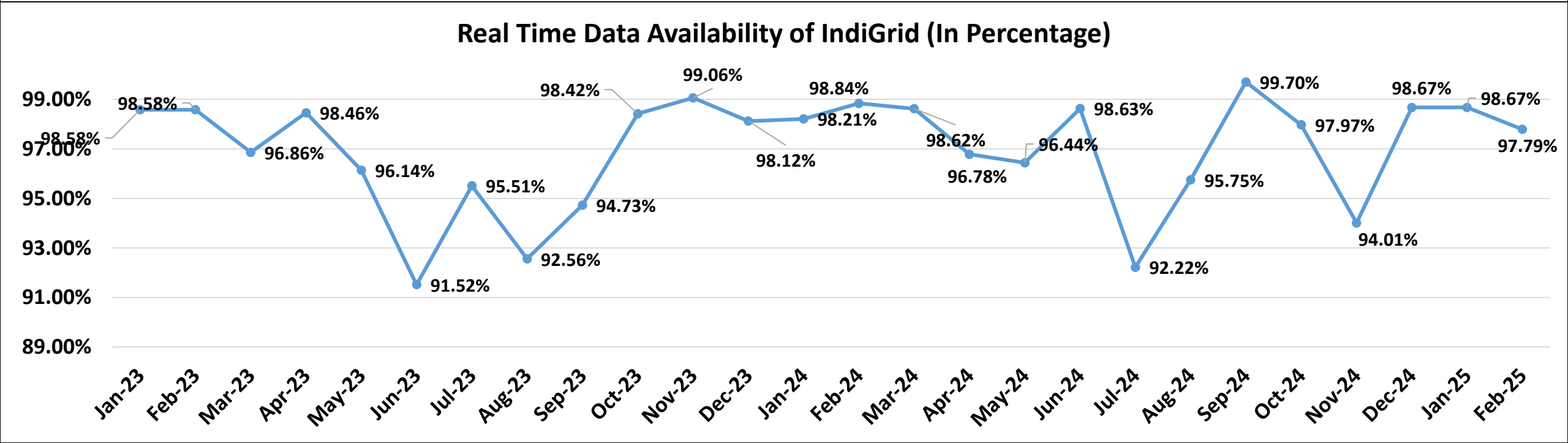
Real Time Data Availability of OTPC (In Percentage)



Real Time Data Availability of KMTL (In Percentage)



Real Time Data Availability of IndiGrid (In Percentage)



Reply all | Delete Junk |

Annexure C 3.2

RE: Re-configuring RTUs for reporting the NEEPCO stations to NERLDC Guwahati - Regarding

SD

Sakal Deep (सकल दीप)
Tue 3/11, 15:30
Joy Pal Roy, Manager E M ,KHEP NEEPCO,PAID <joypalroy@neepco.co.in>;

Reply all |

Inbox

Dear Sir/Ma'am,

This is a gentle reminder – 3, we have written letter and mails for the subject quoted above.

Kindly do the necessary at the earliest.

Regards,
Sakal Deep (सकल दीप)
North Eastern Regional Load Despatch Centre
Grid Controller of India Limited/ ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(Formerly known as Power System Operation Corporation Ltd)
(A Government of India Enterprise)

From: Palash Jyoti Borah (पलाश ज्योति बोराह) <palash14.india@grid-india.in>
Sent: Friday, December 27, 2024 11:33 AM
To: Joy Pal Roy, Manager E M ,KHEP NEEPCO,PAID <joypalroy@neepco.co.in>; joypal_roy@rediffmail.com
Cc: S P Barnwal (एस पी बर्नवाल) <spbarnwal@grid-india.in>; Saugato Mondal (सौगाता मंडल) <saugato@grid-india.in>; Gargi Dutta (गार्गी दत्ता) <gargi@grid-india.in>; NERLDC SL <nerldc.sl@grid-india.in>
Subject: Re-configuring RTUs for reporting the NEEPCO stations to NERLDC Guwahati - Regarding

महोदय/महोदया,

Please find attached letter regarding the reconfiguration of RTUs for reporting NEEPCO stations to NERLDC Guwahati.

Your kind intervention in this matter is requested.

भवदीय / Regards,
पलाश ज्योति बोरा/ Palash Jyoti Borah
प्रबंधक/Manager
एस एल विभाग /SL Department
उ.पू.क्षे.भा.प्रे.कें. , गुवाहाटी/North Eastern Regional Load Despatch Center, Guwahati
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड (ग्रिड - इंडिया)/Grid Controller of India Limited (GRID - INDIA)
Member - IEEE **(99367860)**, Member - CIGRE **(620240357)**

Reply all | Delete Junk |

Follow Grid-India on:

Follow Grid-India on:

Reply all | Delete Junk |

RE: Re-configuring RTU/SAS gateways of PGCIL owned stations for reporting to NERLDC Guwahati

SD Sakal Deep (सकल दीप) Reply all |
Tue 3/11, 15:32
Deep Sarkar {दीप सरकार} <deepsarkar@powergrid.in>; Haribabu Rudraraju

Inbox

Dear Sir,

Gentle reminder-2.

Regards,
Sakal Deep (सकल दीप)
North Eastern Regional Load Despatch Centre
Grid Controller of India Limited/ ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(Formerly known as Power System Operation Corporation Ltd)
(A Government of India Enterprise)

From: Sakal Deep (सकल दीप)
Sent: Tuesday, February 4, 2025 1:30 PM
To: 'Deep Sarkar {दीप सरकार}' <deepsarkar@powergrid.in>; 'Haribabu Rudraraju {रुद्र राजू हरिबाबू}' <rudraraju@powergrid.in>; 'Kamlesh Baishya {कमलेश Baishya}' <kamlesh156@powergrid.in>; 'Bhaskar Jyoti Gohain {भास्कर ज्योति गोहेन}' <bhaskarjyotigohain@powergrid.in>
Cc: S P Barnwal (एस पी बर्नवाल) <spbarnwal@grid-india.in>; Saugato Mondal (सौगाता मंडल) <saugato@grid-india.in>; 'Manash Jyoti Baishya {मानश ज्योति बैश्य}' <mjbaishya@powergrid.in>; NERLDC SCADA <nerldc.scada@grid-india.in>
Subject: RE: Re-configuring RTU/SAS gateways of PGCIL owned stations for reporting to NERLDC Guwahati

Dear Sir,

Gentle reminder-1.

Regards,
Sakal Deep (सकल दीप)
North Eastern Regional Load Despatch Centre
Grid Controller of India Limited/ ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(Formerly known as Power System Operation Corporation Ltd)
(A Government of India Enterprise)

From: Sakal Deep (सकल दीप)
Sent: Monday, January 6, 2025 9:39 AM
To: Deep Sarkar {दीप सरकार} <deepsarkar@powergrid.in>; Haribabu Rudraraju {रुद्र राजू हरिबाबू} <rudraraju@powergrid.in>; 'Kamlesh Baishya {कमलेश Baishya}' <kamlesh156@powergrid.in>; 'Bhaskar Jyoti Gohain {भास्कर ज्योति गोहेन}' <bhaskarjyotigohain@powergrid.in>
Cc: S P Barnwal (एस पी बर्नवाल) <spbarnwal@grid-india.in>; Saugato Mondal (सौगाता मंडल) <saugato@grid-india.in>; Manash Jyoti Baishya {मानश ज्योति बैश्य} <mjbaishya@powergrid.in>; NERLDC SCADA <nerldc.scada@grid-india.in>

Reply all | Delete Junk |

Dear Sir,

Currently, NERLDC operates under the Main-1 and Main-2 concept, with its establishments located in Shillong and Guwahati. At present, several PGCIL-owned stations report exclusively to NERLDC Shillong. To enhance operational capabilities and ensure simultaneous reporting to both Shillong and Guwahati establishments, it is essential to reconfigure the RTU/SAS of these stations.

The list of stations requiring reconfiguration is as follows:

1. **132 kV Aizawl** – Network reconfiguration of GIS One of SAS Gateway and router.
2. **800 kV BNC-HVDC** – Network reconfiguration of One of SAS Gateway and firewall.
3. **220 kV Dimapur** – Network reconfiguration of GIS One of SAS Gateway and router.
4. **132 kV Haflong** – Network reconfiguration of GIS One of SAS Gateway and router.
5. **132 kV Nirjuli** – Network reconfiguration of GIS One of SAS Gateway and router.
6. **132 kV Jiribam** – Network reconfiguration of GIS One of SAS Gateway and router.
7. **132 kV Kumarghat** – Network reconfiguration of GIS One of SAS Gateway and router.
8. **400 kV Mariani** – Network reconfiguration of One of SAS Gateway and router.
9. **132 kV Melriat** – Network reconfiguration of One of SAS Gateway and router.
10. **400 kV Misa** – Creation of a new IEC-104 in the GE SAS Gateway.
11. **220 kV Mokokchung** – Creation of a new IEC-104 in the SAS Gateway.
12. **132 kV Namsai** – Network reconfiguration of One of SAS Gateway and router (post OPGW link completion).
13. **132 kV Roing** – Network reconfiguration of One of SAS Gateway and router (post OPGW link completion).
14. **220 kV Salakati** – Network reconfiguration of One of SAS Gateway and router.
15. **400 kV Silchar** – Creation of a new IEC-104 in the GE SAS Gateway.
16. **132 kV Tezu** – Network reconfiguration of One of SAS Gateway and router (post OPGW link completion).

To initiate the migration process, we are sharing the network parameters for the **132 kV Jiribam Substation** to conduct a trial. If successful, the same architecture will be implemented at other locations where applicable.

Specific Actions Required:

1. **For 400 kV Misa, 220 kV Mokokchung, and 400 kV Silchar**: Kindly deploy SCADA engineers or in-house experts to create the IEC-104 slave in the respective SAS gateways.
2. **For 132 kV Namsai, 132 kV Roing, and 132 kV Tezu**: Please ensure the completion of OPGW connectivity at the earliest.

Your cooperation in facilitating these reconfigurations and associated actions will significantly enhance NERLDC's operational efficiency.

Thank you for your attention to this matter.

Regards,
Sakal Deep (सकल दीप)
North Eastern Regional Load Despatch Centre
Grid Controller of India Limited/ ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(Formerly known as Power System Operation Corporation Ltd)
(A Government of India Enterprise)

Annexure C 3.4

GRID CONTROLLER OF INDIA LIMITED
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
Formerly known as Power System Operation Corporation Limited (POSOCO)
(A Government of India Enterprise)
North Eastern Regional Load Despatch Centre (NERLDC)
PO Rynjah, Lapalang, Shillong-793006 (Meghalaya)
Tel.: (0364) 2537427, 2537486 Fax: (0364) 2537470

Ref No: NERLDC/SL/SCADA/F/050/7530 **दिनांक/Date:17.03.2025**

सेवा में/To (Through e-mail)

1. Dy. General Manager (MRT), AEGCL, Narengi,Guwahati-781026, Assam.
2. Senior General Manager (Project/ULDC), NERTS, POWERGRID, Lapalang Shillong.
3. Executive Engineer (SM), NEHU S/S, MePTCL, NEHU Campus, Umjarain, Shillong-793022
4. Dy. General Manager, SLDC, TSECL,79 Tilla S/S, Agartala-799006
5. Executive Engineer (SLDC), Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111.
6. General Manager (Trans/SLDC), MSPC Ltd, Keishampat, Imphal-795001 Manipur.
7. Superintending Engineer (SLDC), P&ED, Tuikhuahtlang, Aizawl-796001
8. Executive Engineer (SLDC), Dept. of Power, Govt. of Nagaland, Full Nagarjan, Dimapur.
9. Sr. Manager (Elect) Loktak HEP, NHPC, Vidyut Vihar, Komkeirap, Manipur-795124.
10. Manager (Elect), OTPC Ltd, Udaipur, Kakraban Road, South Tripura-799116
11. Sr. Manager (Elect) O/o E.D (O&M), NEEPCO Ltd, Lower New Colony, Shillong-793001
12. AGM (O&M), NTPC Ltd, P.O SALAKATI, Dist.: KOKRAJHAR, Assam-783369.
13. Dy. General Manager (Upper Assam T & C circle), AEGCL, Kadamoni, Dibrugarh-786612, Assam.
14. Vice President, Asset Management, STERLITE Power, Bhopal-462020.
15. CEO, KMTL, Chandan Nagar, Beltola, Guwahati-781028.

विषय/Sub: सप्ताह (10.03.2025-16.03.2025) के लिए डेटा/वॉयस संचार लिंक और एनालॉग/डिजिटल स्थिति के प्रदर्शन के साथ साप्ताहिक टेलीमेट्री स्थिति/ Weekly Telemetry status with performance of Data/Voice Communication links and Analog/Digital Status for the week (10.03.2025-16.03.2025).

महोदया / महोदय / Madam/Sir,

कृपया अपनी जानकारी और आवश्यक कार्रवाई के लिए विषय वस्तु पर रिपोर्ट संलग्न प्राप्त करें / Please find enclosed herewith the report on the subject matter for your kind information and necessary action.
Encl: as above.

Yours Sincerely

सौगातो मंडल/ Saugato Mondal
महाप्रबंधक **(एस एल) General Manager(SL)**

प्रति /CC (through email for kind information):

1. Member Secretary, NERPC, Adj. POWERGRID Complex, Lapalang, Shillong-793006.
2. Executive Director, NERTS, POWERGRID, Lapalang, Shillong-793006.
3. Superintending Engineer (SLDC) MePTCL NEHU S/S, Umjarain, Shillong-793022.
4. Engineer in Chief (Power), Dept. of P&E, Govt. of Mizoram, Aizawl-796001.
5. Chief Engineer (West), Dept. Of Power, Govt. of Ar. Pradesh, Itanagar-791111.
6. Chief Engineer (Power), Dept. Of Power, Govt. of Nagaland, Kohima-797001.
7. General Manager (Plant), OTPC Ltd, Udaipur, Kakraban Road, South Tripura-799116.
8. Addl. General Manager, (C& SO), Banamalipur, Agartala-799001.
9. Chief. General Manager (SLDC), AEGCL, Kahilipara, Guwahati-781019.Assam.

10. Executive Director, NERLDC, GRID-INDIA, Shillong-793006.

ULDC Scheme; Summary sheet (Week ending on 16.03.2025)

A. Urgent/Important Issues of North Eastern Region :

-NAN-

B. Status of upcoming projects

Name of new element	Owner	Rating	Expected date of commissioning	Status of voice communication and telemetry data
Nil				

C. Voice communication Status / Failure

a. **Voice Communication**: ULDC phones are not working at the following location.

1. BgTPP (Unit - 1): 23640036
2. Doyang: 23640219
3. Palatana_OTPC: 23640032

D. Kind attention :

Sl No.	संघटक / Utilities	Total No.of RTU	No. of RTU reporting last week	No.of RTU reporting	Other remarks
1.	एन ई आर टी एस, पावर ग्रिड/ NERTS, POWERGRID	23	21	22	• Only one Channel is working/established for Kopili Extension. **Note:** Refer ***Annexure-I*** for details
2.	नीपको/NEEPCO	09	09	09	• Only one communication channel of voice and data is working/established for Kopili, Ranganadi. • Dedicated Standby data Channel yet to be established for Pare HEP. • Data of Khandong (NEEPCO) is not reporting after flooding incident. **Note:** Refer ***Annexure-I*** for details
3.	एनटीपीसी/NTPC	01	01	01	**Note:** Refer ***Annexure-I*** for details
4.	एनएचपीसी/NHPC	01	01	01	**Note:** Refer ***Annexure-I*** for details
5.	ओ टी पी सी/OTPC	01	01	01	**Note:** Refer ***Annexure-I*** for details
6.	के एम टी एल/ KMTL	01	01	01	**Note:** Refer ***Annexure-I*** for details
7.	स्टरलाइट/STERLITE	02	01	01	**Note:** Refer ***Annexure-I*** for details
8.	असम/ASSAM	88	83	68	**Note:** Refer ***Annexure-II*** for details
9.	मेघालय/MEGHALAYA	28	26	22	• Digital Input status in majority of the stations not telemetered. • Tap position status in majority of the stations not telemetered.

Sl No.	संघटक / Utilities	Total No.of RTU	No. of RTU reporting last week	No.of RTU reporting	Other remarks
					• Redundant communication path not available in majority of the stations. **Note:** Refer ***Annexure-III*** for details
10.	त्रिपुरा/TRIPURA	27	12	10	• Data of majority of the stations not available. • Non availability of communication in several stations resulting in non-reporting of RTU. **Note:** Refer ***Annexure-IV*** for details
11.	मणिपुर/MANIPUR	17	04	06	**Note:** Refer ***Annexure-V*** for details
12.	मिज़ोरम/MIZORAM	11	03	00	• RTUs at the following grid connected stations are not yet installed: i) 132kV Melriat (State). ii) 132kV Bairabi. iii) 132kV Vankal. iv) Serlui HEP (3x4 MW) **Note:** Refer ***Annexure-VI*** for details
13.	नागालैंड'/NAGALAND	17	08	04	• Multiple RTUs are not reporting due to non-availability of communication system. • RTUs at the following grid connected stations are not yet installed: i) 132kV Meluri. ii) 66kV Nagnimora. iii) 66kV Tizit. **Note:** Refer ***Annexure-VII*** for details
14.	अरुणाचल प्रदेश/ARUNACHAL PRADESH	18	12	09	• Multiple RTUs are not reporting due to non-availability of communication. • Installation and integration activities of VSAT at 132kV Daparizo Station is pending. **Note:** Refer ***Annexure-VIII*** for details

All Constituents (POWERGRID-NERTS/ NEEPCO/ NTPC/ NHPC/ OTPC/ KMTL/ STERLITE/ MePTCL/ AEGCL/ TSECL/ MSPCL/ P&ED Mizoram/ DoP-Nagaland/ DoP-Arunachal Pradesh) may please see relevant annexures enclosed.

Shakti Mayank Singh
Digitally signed by Shakti Mayank Singh
Date: 2025.03.18 11:33:47 +05'30'

Prepared By:

शक्ति मयंक सिंह / **Shakti Mayank Singh**

अभियंता (एस एल)/Engineer(SL)

Reviewed By:

सौगातों मंडल/ Saugato Mondal

महाप्रबंधक **(एस एल) General Manager(SL)**

ANNEXURE-I

अनैलॉग और डिजिटल स्टेटस आई एस ज़ी एस / आई एस टी एस के / **ANALOG AND DIGITAL STATUS OF ISGS/ISTS (as dated 17.03.2025,)**

RTUs of ISGS/ISTS:

Sl. No.	आर टी यू / RTU	स्वामित्व / OWNER	Time	अनैलॉग/ ANALOG	डिजिटल / DIGITAL
1.	**AIZAWL/**आइज़ोल	PG	09:34	All analog data are available.	Following digital data not available: • Master trip relay 86A/B of 20 MVAR Reactor.
2.	**BADARPUR/**बदरपुर	PG	09:45	All analog data are available.	All digital data are available.
3.	**BALIPARA/**बालीपारा	PG	10:01	Following analog data not available: • Tap position of 220/132 kV 160 MVA T1.	Following digital data not available: • FSC isolators of Bongaigaon-3 & 4 are suspected. • Reactor 125 MVAR tie isolators replaced. • BNC 1 Tie CB digital data. • 220/132 KV 160 MVA T2 Isolator. • Master trip relay 86A/B of Tenga, 220/132KV 160MVA T1 & T2. • Bonagaigaon-1 and Bongaigaon-2 line reactor isolators status. • Bongaigaon-1 Tie bay isolator status. • 400/220/33kV ICT-2 Main bay CB status.
4.	**BONGAIGAON/**बोंगाईगांव	PG	10:04	Following analog data not available: • Tap position of all ICTs. • MVAR of Reactor B_02_BR.	Following digital data not available: • Isolator 80 MVAR BR-4 showing suspected. • Bus-1 Isolator of Balipara-3 PG. • Main Bay CB of 400kV Alipurduar -1 line.
5.	**BGTPP (BTPS)/**बीटीपीएस	NTPC	10:06	All analog data are available.	All digital data are available.
6.	**BISWANATH CHARIALI (HVDC)/**बिस्वा	PG	10:07	Following analog data not available: • DEG of Pole1 & Pole2 are suspect.	Following digital data not available: • Pole-1 main line isolator. • Master Trip Relay

Sl. No.	आर टी यू / RTU	स्वामित्व / OWNER	Time	अनैलॉग/ ANALOG	डिजिटल / DIGITAL
	नाथ चरियाली				86A/86B Ranganadi 1 & 2, Balipara 1, 2, 3 & 4 Line. • Main CB Subansiri-2.
7.	**DIMAPUR/**दीमापुर	PG	10:12	All analog data are available.	All digital data are available.
8.	**DOYANG/**दोयांग	NEEPCO	10:13	Following analog data not available: • Tap position of ICT-1.	Following digital data not available: • Master trip relay 86A/86B is suspected of all bays & Generating Unit.
9.	**HAFLONG/**हाफलोंग	PG	10:14	All analog data are available.	All digital data are available.
10.	**IMPHAL/**इम्फ़ाल	PG	10:14	All analog data are available.	Following digital data not available: • Thoubal-1 Main Isolator.
11.	**ITANAGAR/**इटानगर	PG	10:15	All analog data are available.	Following digital data not available: • Master trip relay 86A or 86B is suspected for 132kV Lekhi Line. • Master trip relay 86A or 86B is suspected for Load side of 132/33 kV ICT-1.
12.	**JIRIBAM/**जिरीबाम	PG	10:16	All analog data are available.	All digital data are available.
13.	**KUMARGHAT/** कुमारघाट	PG	10:17	Following analog data not available: • Tap position of ICT-1. • 132/33 kV ICT-1 LV side MW and MVAR.	All digital data are available.
14.	**KHLEIHRIAT/** ख्लीहरियट	PG	10:17	All analog data are available.	All digital data are available.
15.	**KHANDONG/** खांडोंग	NEEPCO	10:18	Following analog data not available: • Weather parameters are reporting incorrect values.	All digital data are available.
16. `	**KOPILI/**कोपिली	NEEPCO/PG	10:18	All analog data are available.	All digital data are available.
17.	**KATHALGURI/** कठलगुरी	NEEPCO	10:20	Following analog data not available: • Tap position of all ICT-1 and ICT-2.	All digital data are reporting.

Sl. No.	आर टी यू / RTU	स्वामित्व / OWNER	Time	अनैलॉग/ ANALOG	डिजिटल / DIGITAL
18.	**LOKTAK/**लोकटक	NHPC	10:21	Following analog data not available: • Weather data reporting is incorrect.	Following digital data not available: • Imphal (PG) line Bus -2 isolator. • 89 L isolator of Jiribam (PG) line. • Bus & Line Isolator of Ningthoukhong Line.
19.	**MARIANI/**मरियानी	PG	10:22	All analog data are available.	All digital data are reporting.
20.	**MISA/**मिसा	PG	10:23	Following analog data are not available: • Tap position of all ICTs.	Following digital data not available: • Silchar(PG) -2 line Reactor CB showing In Between Status. • 220kV Kopili line-3 Bus-1 isolator.
21.	**MELRIAT/**मेलरियट	PG	10:23	All analog data are available.	All digital data are available.
22.	**MOKOKCHUNG/**मोकोकचुंग	PG	10:24	All analog data are available.	All digital data are available.
23.	**NAMSAI/**नमसाई	PG	10:25	All analog data are not available.	All digital data are not available.
24.	**PALATANA/**पलाटना	OTPC	10:25	All analog data are available.	All digital data are available.
25.	**PARE/**पारे	NEEPCO	10:27	All analog data are available.	All digital data are available.
26.	**PANYOR (RANGANADI) /**पनयोर (रंगानदी)	NEEPCO	10:28	Following analog data not available: • Tap position of all ICTs.	Following digital data not available: • Line Isolator data of 400kV 80MVAR BR. • 132 KV Coupler Bus Isolator B2.
27.	**RC NAGAR (AGTCCPP)/** आर सी नगर (एजीटीसीसीपीपी)	NEEPCO	10:28	Following analog data not available: • Unit-2 LV side MVAR.	Following digital data not available: • 89 L for 132kV Agartala - 1, 132kV Agartala-2, 132kV Kumarghat line Isolator is showing incorrect position. • Isolator data of HV side of ICT-1 & 2.
28.	**ROING /** रोइंग	PG	10:31	Following analog data not available: • Tap position of all ICTs.	All digital data are available.
29.	**SALAKATI/**सालाकाटी	PG	10:32	Following analog data not available: • Tap position of 220/132 kV ICT-3.	All digital data are available.

Sl. No.	आर टी यू / RTU	स्वामित्व / OWNER	Time	अनैलॉग/ ANALOG	डिजिटल / DIGITAL
30.	**SILCHAR/**सिलचर	PG	10:33	Following analog data not available: • Tap position of 400/132 kV ICT-1.	Following digital data not available: • Master trip relay 86A or 86B of 400kV Melriat line-1.
31.	**TEZU/**तेज़ू	PG	10:35	All analog data are available.	All digital data are available.
32.	**ZIRO/**ज़ीरो	PG	10:36	All analog data are available.	Following digital data not available: • Isolator status of 132/33kV ICT-1.
33.	**KAMENG/**कामेंग	NEEPCO	10:37	Following analog data not available • 400kV Transfer Bus Hz.	All digital data are available.
34.	**NEW KOHIMA/**न्यू कोहिमा	KMTL	10:38	All analog data are available.	All digital data are available.
35.	**PK BARI/**पी के बारी	STERLITE	10:42	Following analog data not available • 400/132kV ICT-2 Tap position.	Following digital data not available: • Master Trip relay status for Ambassa line.
36.	**SURAJMANI NAGAR/**सूरजमनी नगर	STERLITE	10:45	All analog data are available.	Following digital data not available: • Master trip relay 86A or 86B of 400kV Palatana line-1. • Master trip relay 86A or 86B of 132kV SM Nagar(TR) line -1 and 132kV SM Nagar (TR) line-2.

Kind Attn: POWERGRID/NEEPCO/NHPC/KMTL/STERLITE/OTPC/NTPC/NEEPCO:

- Due to technical constraint, tap position status of Generating unit transformer is excluded.
- ***Changes from last week are highlighted in red color*.**

ANNEXURE-II

अनैलॉग और डिजिटल स्टेटस असम राज्य के स्टेशन का / **ANALOG AND DIGITAL DATA STATUS OF ASSAM STATE --Status checked on (on 18.03.2025)**

Sl. No.	आर टी यू स्टेशन / RTU STATION	TIME	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	**Agia/**अगिया	09:36	Following analog data are not available: • Tap position of all ICTs. • 132 kV Main Bus kV and Hz .	Following digital data are not available: • 132 kV Bus Coupler Bay all digital data. • 220/132 kV ICT-2 & LV side bay isolator data. • Main bus & line isolator of 132 kV Mendipather line. • Transfer bus isolator of 132 kV NANGLABIBRA line. • 220/132 kV ICT-3 LV side isolator data.
2.	**AIIMS/**एम्स	09:36	All analog data are available.	Following digital data are not available: • CBs for Amingaon and Kahelipara line.
3.	**Amingaon/**अमीनगाँव	09:37	Following analog data are not available. • 220kV Bus-2 Hz. • 132kV Bus-2 Hz.	All digital data are available.
4.	**APM/**ए पी एम	09:38	All analog data are available.	All digital data are reporting.
5.	**Azara/**अजारा	09:38	Following analog data are not available. • MVAR of Mirza line 1.	Following digital data are not available: • All digital data of Mirza line-1 is suspect.
6.	**Mirza/**मिर्ज़ा	09:39	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available: • Bongaigoan isolators F_07_B1 & F_07_L2 suspected. • 400/220 kV ICT-1 bay isolator status.
7.	**Panchgram/**बदरपुर	09:39	Following analog data are not reporting: • Tap position of all ICTs.	All digital data are reporting.
8.	**Barpeta/**बरपेटा	09:40	Following analog data are not reporting: • Tap position of all ICTs. • MAIN Bus KV.	Following digital data are not available: • All ICT's LV side data.
9.	**Behiating/**बेहियाटिंग	09:42	Following analog data are not available: • Tap position of 132/33 kV ICT- 2. • MW & MVAR of LV side of 220/132kV ICT - 2	Following digital data are not available: • LV side CB of 220/132kV ICT- 2.

10.	**Biswanath chariali/**बिस्वानाथ चरियाली	09:44	Following analog data are not available: • Bus-1 KV and Hz. • Tap position of ICT-1.	Following digital data are not available: • All isolator data of BNCHV-1 &2 line are suspect. • ICT-1 Transformer isolator • ICT-2 Bus-1 isolator status
11.	**Bokajan/**बोकाजन	09:45	Following analog data are not available. • Tap Positions of ICT-1 & 2 are showing negative data.	All digital data are suspect.
12.	**Bokakhat/**बोकाखाट	09:46	All analog data are available.	Following digital data are not available: • All digital data for Bus coupler
13.	**Boko/**बोको	09:47	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available: • 132kV Bus coupler digital data. • ICT-2 Bus-1 isolator status.
14.	**Bongaigaon/**बोंगाईगाँव	09:48	Following analog data are not available • Tap position of both ICT-1.	Following digital data are not available: • 132kV Bus Coupler Bay B3 isolators are suspect.
15.	**Bordubi/**बोरदुबी	09:49	Following analog data are not available: • ICT-2 Tap position. • Railway MW & MVAR.	Following digital data are not available: • Tie isolator (D_04_T) of ICT-2 side.
16.	**Bornagar/**बोरनगर	09:49	Following analog data are not available: • ICT-3 Tap position. • Capacitor 2(05 MVAR) MVAR. • ICT-3 MW & MVAR of both sides.	Following digital data are not available: • ICT-3 all bay digital data. • Nathk_AS & Dhali_AS Tie isolator. • Capacitor 2 all bay digital data.
17.	**Chandrapur/**चंद्रपुर	09:50	Following analog data are not available: • Tap position of ICT-1.	All digital data are available.
18.	**Chapakhowa/**चपाखोवा	09:51	All analog data are not reporting.	All digital data are not available.
19.	**Depota (Tezpur)/**दीपोता (तेज़पुर)	09:51	Following analog data are not available: • Tap position of ICT-1&3. • 132 kV Main bus kV & Hz	Most of the isolator data are not available.
20.	**Dhaligaon/**ढालीगाँव	09:52	Following analog data not available: • Tap position of ICT-1 & 3 (132/33 kV)	Following digital data are not available: • Isolator(B_03_L) of ICT-3 LV side. • Isolator D_01_B1 showing suspected.
21.	**Dhemaji/**धेमाजी	09:53	All analog data are not available.	All digital data are not available.

22.	**Dibrugarh/**डिब्रुगढ़	09:54	Following analog data not available: • ICT-1 (132/33KV) Tap position is showing negative value.	Following CBs data are not available: • TINSU_AS line Bus-1 isolator. • ICT-2 LV side CB. • ICT-1 & 2 LV side isolator.
23.	**Diphu/**दिफू	09:54	Following analog data not available: • ICTs (132/33KV) Tap position is suspect.	All digital data are not available.
24.	**Dispur/**दिसपुर	09:55	All analog data are available.	All digital data are available.
25.	**Dhekiajuli/**ढेकिया जुली	09:55	Following analog data not available: • Tap position of all ICTs. • 132kV Main Bus kV.	All digital data are available.
26.	**Dullavchera/**दुल्ल व्चेरा	09:56	All analog data are not available.	All digital data are not available.
27.	**Gauripur/**गौरीपुर	09:56	All analog data are available.	All digital data are available.
28.	**Gohpur/**गोहपुर	09:57	Following analog data not available: • Tap position of all ICTs are showing negative value.	Following digital data are not available: • ICT-2 HV side isolator. • BNC (PG) isolator-1. • North Lakhimpur-1 line isolator.
29.	**Ghoramari/**घोरामारी	09:58	All analog data are not reporting.	All digital data are not available.
30.	**Golaghat/**गोलाघाट	09:58	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available: • All isolator status for 132kV Mariani, 132kV Sarupathar. • ICT 1&2 HV side isolator.
31.	**Gossaigaon/**गोसाईगाँव	09:58	Following analog data are not available: • Tap position of ICT-1.	Following digital data are not available: • All digital data of capacitor.
32.	**Haflong/**हाफलोंग	09:58	Following analog data are not available: • Tap position of all ICTs.	All digital data are available.
33.	**Hailakandi/**हैलाकांडी	09:59	All analog data are not reporting.	All digital data are not available.
34.	**Jagiroad/**जागीरोड	09:59	All analog data are not reporting.	All digital data are not available.
35.	**Jawharnagar/**जवाहरनगर	10:00	Following analog data are not available: • Tap position of all ICTs. • ICT-1&2 LV side MW & MVAR.	Following digital data are not available: • 220KV Bus coupler digital data.
36.	**Jorhat (Garmur)/**जोरहाट	10:00	Following analog data are not available: • Tap position of ICT-2 and ICT-3.	All digital data are available.
37.	**Jorhat (West)/**जोरहाट (पश्चिम)	10:01	All analog data are not reporting.	All digital data are not available.

38.	**Kahelipara** (काहिलीपारा)	10:02	All analog data are not available.	All digital data are not available.
39.	कमलपुर/**Kamalpur**	10:03	Following analog data are not available: • 132kV Amingaon-1 and 132kV Amingaon-2 line MW and MVar. • Tap position of ICTs. • Bus-1 KV and Hz.	Following digital data are not available: • ICTs LV side digital data.
40.	उत्तर लखीमपुर/ **North Lakhimpur**	10:05	All analog data are not available.	All digital data are not available.
41.	लकवा/ **Lakwa**	10:06	Following analog data are not available: • Tap position of Unit-5, Unit-6, Unit-7, Unit-8. • (132/11)KV all ICT's Tap position. • 132/33KV ICT-1 and ICT-2 showing negative. • Unit 5 MW. • Unit 7 HV MW & MVAR. • ICT-1 (132/11 KV) LV side MW & MVAR.	Most of the digital data are not available.
42.	कार्बी लंगपी / **Karbi Langpi**	10:12	Following analog data are not available: • Tap position of ICT-1. • MW & MVAR of UNIT-2 on both side LV & HV.	Following digital data not available: • HV side isolator of UNIT1 & UNIT2. • Sarusajai-2 line isolator. • CB and Bus-1 isolator of ICT-1.
43.	करीमगंज / **Karimganj**	10:13	Following analog data are not available: • Tap position of all ICTs.	Following digital data not available: • Transfer Bus isolator of Bus coupler.
44.	लंका/ **Lanka**	10:14	Following analog data are not available: • All ICTs Tap position. • Bus-1 kV and Hz • ICT-1 & 2 LV side MW and MVAR.	Following digital data are not available: • 132kv Coupler Bus Bay CB and Isolator. • ICT-1 & 2 LV side CB and Isolator. • ICT-2 HV side Isolator. • ICT-1 HV side Bus Isolator.
45.	माजुली / **Majuli**	10:14	All analog data are not available.	All digital data are not available.
46.	मार्घेरिता/ **Margherita**	10:14	Following analog data are not available: • Tap position of ICT-1 & ICT-2.	All digital data are suspect.
47.	मरियानी/ **Mariani**	10:15	Following analog data are not available: • All ICTs Tap position of 132/33KV • NTPS & SAMAGURI Line All Analog Data. • LONGNAK Line MW & MVAR. • All ICTs Tap position of	Following digital data are not available: • LV & HV side Bays of ICT-1 & ICT-2 (220/132) KV all digital data are inaccurate. • JORHAT-1-line bay bus 1 isolator. • JORHAT-2-line bay bus 2

			220/132KV are showing negative data.	isolator. • 220 KV bus reactor -2 bay bus 1 isolator. • 220 KV bus coupler bay bus 1 isolator. • Reactor_R1_BR_CB showing in between status.
48.	मोरान / **Moran**	10:15	Following analog data are not available • Tap position of ICT's are showing negative data.	Following digital data are not available: • Lakwa line Bus-1 isolator status.
49.	मिन्तृयांग 1 / **Myntriang I**	10:16	All analog data are not available.	All digital data are not available.
50.	मिन्तृयांग 2/ **Myntriang II**	10:16	All analog data are not available.	All digital data are not available.
51.	खलोईगाँव/ **Khaloigaon**	10:17	All analog data are not available.	All digital data are not available.
52.	नलबारी / **Nalbari**	10:17	Following analog data are not available: • All ICTs Tap position. • All ICTs LV side MW & MVAR.	All digital data are available.
53.	एनटीपीएस (नामरुप) / **NTPS (Namrup)**	10:18	Following analog data are not available: • Tap position of all ICTs except ICT 1&2 (220/132 KV, 100 MVA) • 132/33 kV T2 MW. • Generator-6 HV side MW & MVar.	Following digital data are not available: • Unit 2, 3, 6 (HV side) CB. • 132/33 kV T2 HV side Bay all digital data. • 132/66kV ICT-1 HV side digital data.
54.	नारंगी / **Narangi**	10:19	Following analog data are not available: • ICTs Tap position. • ICTs MW & MVAR on both sides. • Bus-1 KV & Hz.	Following digital data not available: • Sonapur Bus Isolator • ICTs HV side CB & Isolator status.
55.	नाज़िरा / **Nazira**	10:20	Following analog data are not available: • Capacitor 1 MVAR.	Following digital data not available: • All 33 kV Capacitor Bank CBs and isolators. • Line Isolator D_T1_B1 & D_L1_B1
56.	पैलापूल / **Pailapool**	10:24	Following analog data are not available: • JIRIBAM line MVAR. • Tap position of ICT-2.	Following digital data not available: • ICT-1 HV side Bus-2 isolator. • Jiribam all digital data. • ICT-3 transfer isolator. • ICT-2 all digital data.
57.	रंगिया / **Rangia**	10:45	Following analog data are not available: • Tap Position of ICT-2(132-33KV) is showing negative status.	Following digital data are not available: • MTNGA all bay digital data. • Bus-2 isolator of ICT-2.

58.	रंगीया 220 केवी/ **Rangia 220 kV**	10:46	Following analog data are not available: • 220kV Amingaon-1 and 220kV Amingaon-2 line MW and MVar.	Following digital data are not available: • 220kV Amingaon-1 and 220kV Amingaon-2 bays digital data. • 220/132kV ICT-1 HV side CB and isolator data. • 220kV Bongaigaon line isolator status.
59.	रौता / **Rowta**	10:51	Following analog data are not available: • Tap Position of ICT-1(132-33KV) is showing negative status.	Following digital data are not available. • DHEKI_AS Line Bypass isolator. • Bus isolator status of ICTs, Line isolator status of Tangla line.
60.	रुपाई / **Rupai**	10:52	Following analog data are not available: • Chapakhowa line MVAR.	All digital data are available.
61.	समागुरी / **Samaguri**	10:52	Following analog data are not available: • Tap position of all ICTs. • ICT-2 & 3 (220/132) kV both sides HV & LV MW and MVAR. • ICT-4 (132/33) kV LV and HV MW and MVAR.	Most of the digital data are not reporting
62.	सरुपाथर / **Sarupathar**	10:53	All analog data are available	ALL digital data are available.
63.	सरूसजाइ / **Sarusajai**	10:53	All analog data are not available.	All digital data are not available.
64.	सिबसागर / **Sibsagar**	10:54	Following analog data are not available: • Tap position of ICT-1 & 2.	All digital data are not available.
65.	सीपाझार / **Sipajhar**	10:54	Following analog data are not available: • Tap position of ICT-1 & 2.	All digital data are available.
66.	शिशुग्राम/ **Sishugram**	10:55	Following analog data are not available: • Tap position of ICT-3 is showing negative value.	All isolator data are not available.
67.	सोनाबिल / **Sonabil**	10:55	Following analog data are not available: • Tap position of all ICTs.	All digital data are reporting.
68.	सोनारी / **Sonari**	10:56	All analog data are not available.	All digital data are not reporting.
69.	सिलचर / **Silchar**	10:56	Following analog data are not available: • Tap position of ICT-2.	Following digital data are not available. • Silchar-1 all bay isolators. • Silchar-2 line & bus isolators.
70.	टंगला / **Tangla**	10:56	Following analog data are not available: • Tap position of ICT-1.	All digital data are available.

71.	टीओक / **Teok**	10:57	Following analog data are not available: • Tap status of all 132/33 kV ICT-2.	All digital data are available.
72.	तेज़पुर / **Tezpur**	10:57	All analog data are not available.	All digital data are not available.
73.	तिनसुकिया/ **Tinsukia**	10:58	Following analog data are not available: • Tap status of all 220/132 kV ICTs. • Tap status of 132/33 kV ICT-2. • Kathalguri-1 line MVar. • Namrup line MVar.	Following digital data are not available: • 220/132 KV ICT-1 LV side main isolator. • Kathalguri-1& Namrup line isolator. • Behiating lines isolator status. • 132/33kV ICTs HV side digital data.
74.	उमरंगशु/ **Umrangsho**	11:02	Following analog data are not available: • Tap position of 132/33KV ICT-1.	Following digital data are not available: • ICT-1 & 2 LV side isolator.
75.	बिलसीपारा/ **Bilasipara**	11:03	Following analog data are not available: • Bus-1 KV & Hz.	Following digital data are not available: • 132 KV coupler (03) CB and Isolator. • Kokrajhar-2 line isolator.
76.	कामाख्या/ **Kamakhya**	11:03	All analog data are not available.	All digital data are not reporting.
77.	कोकराझार **/Kokrajhar**	11:03	Following analog data are not available: • Tap position of ICT-1. • ICT-1 LV side MW & MVAR.	Following digital data are not available: • Bongaigaon line-2 all bay isolator data. • Bilassipara-2 line and bus isolator. • Bus coupler digital data.
78.	मटिया / **Matia**	11:03	All analog data are not available.	All digital data are not available.
79.	एनआरपीपी (नामरुप) / **NRPP (Namrup)**	11:04	Following analog data are not available: • GTG MW & MVAR.	Following digital data are not available • GTG all bay isolator.
80.	सोनापुर / **Sonapur**	11:05	Following analog data are not available. • Tap Position of all ICTs. • Jagiroad -2 MW and MVar.	Following digital data not available: Jagiroad-2 line bays all isolator. • ICT-2 (132/33 KV) HV side bus isolators.
81.	रौता सोलर प्लांट / **Rowta (Azure Solar Plant)**	11:06	Following analog data are not available: • Tap position of all ICTs.	All digital data are reporting.
82.	समागुरी सोलर प्लांट / **Samaguri (Azure solar plant)**	11:06	Following analog data are not available: • Tap position of all ICTs.	Following digital data not available: • All Inverters are not reporting accurate value.
83.	बोको सोलर प्लांट /	11:06	All analog data are not reporting.	All digital data are not reporting.

	BOKO (Azure solar plant)			
84.	पैलापूल सोलर प्लांट / **Pailapool (Azure solar plant)**	11:07	Following analog data are not available: • Tap status of all ICTs. • 33kV side Bus Hz. • MW for Pailapool line.	Following digital data not available: • All CB showing in between status. • All Inverters are not reporting accurate value.
85.	पतंजलि सोलर प्लांट / **Patanjali (RE Solar)**	11:07	All analog data are not reporting.	All digital data are not reporting.
86.	जैकसन सोलर प्लांट / **Jackson (RE Solar)**	11:08	All analog data are reporting.	Following digital data not available: • Namrup bay digital data. • Isolators and CB for ICT-1 and ICT-2 are not reporting.#5
87.	महेश्वरी सोलर प्लांट / **Maheswari (RE Solar)**	11:10	All Analog data are reporting except ICT's Tap position is suspect.	All digital data are reporting
88.	**Star Cement SNPR**	11:11	Following analog data are not available: • Tap position of ICT. • Bus KV and Hz. • Sonapur line MVar.	All digital data are not reporting.

❖ ***Changes from last week are highlighted in red color.***

ANNEXURE-III

अनैलॉग और डिजिटल स्टेटस मेघालय राज्य के स्टेशन का / **ANALOG AND DIGITAL DATA STATUS OF MEGHALAYA STATE**

Status checked on (17.03.2025)

Sl. No.	आर टी यू स्टेशन / RTU STATION	TIME	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	अंपाती / **AMPATI**	16:15	Following analog data are not available: • Tap position of all ICTs. • 132 kV Main Bus & Transfer Bus Hz & Kv. • MW & MVAR of GANOL line.	Following digital data are not available. • Bus Coupler Bay all digital data. • Ganol line all isolator & CB.
2.	अमृत / **AMRIT**	16:23	All analog data are not available.	All digital data are not reporting.
3.	चेरापुंजी / **CHERA_ME**	16:23	Following analog data are not available: • Tap position of ICT-1. • 132 kV Main Bus Kv and Hz.	All Isolator data are not reporting.
4.	एपिप 1 / **EPIP1**	16:23	All analog data are not available..	All digital data are not reporting.
5.	एपिप 2 / **EPIP2**	16:23	Following analog data are not available: • Tap position of all ICT. • Capacitor Bank (25 MVAR) MVAR.	Following digital data are not available. • ICT-1 HV side isolator. • Capacitor Bank all digital data. • Umtru-1 & 2 all isolator. • EPIP-2 CKT-2 isolator. • New Umtru and Killing-1 bus isolator.
6.	गानोल / **GANOL**	16:24	All analog data are available.	All digital data are not reporting.
7.	आईआईएम / **IIM**	16:24	Following analog data are not available: • Tap position of ICT-1. • Main Bus KV & HZ.	Following digital data are not available. • ICT-1 HV side isolator. • NEIGRIHMS bay digital data.
8.	ख्लेहरियत / **KHIEHRIAT**	16:24	Following analog data are not available: • Tap position of all ICTs.	Most of the digital data are not available.
9.	किल्लिंग / **KILLING**	16:25	Following analog data are not available: • Tap position of all ICTs. • 220 kV Transfer Bus-1 kV and Hz. • 132 kV Transfer Bus kV & Hz. • 400 kV Bus-2 kV and Hz.	Following digital data are not available. • 400kV Bongaigaon bay isolator status. • EPIP-1, EPIP-2 bay isolator status.
10.	लेस्का / **LESKA**	16:26	Following analog data are not available: • Tap position of ICT-1. • 132kV Main Bus Hz & kV. • Mynkre-1 MVAR.	Following digital data are not available: • Mynkre-2 Bus isolator. • Isolator D_04_B1 not reporting.
11.	लुम्श्नोंग / **LUMSHNONG**	16:28	All analog data are available.	Isolator status of all bays is suspect.
12.	मावलाई / **MAWLAI**	16:29	Following analog data are not available: • Tap position of all ICTs. • MVAR of Capacitor bank	Most of the digital data are not available.
13.	मव्ङाप / **MAWNGAP**	16:29	Following analog data are not available: • Tap position of all ICTs. • MVAR & MW of MAW22-Line 1 & line 2.	Most of the digital data are not available.
14.	मेंडिपाथर / **MENDIPATHAR**	16:30	Following analog data are not available: • Tap position of all ICTs. • Main Bus kV and Hz.	Most of the digital data are not available.

15.	मूस टेम / **MUSTEM**	16:30	Following analog data are not available: • Tap position of all ICTs.	Most of the digital data are not available.
16.	मव्ल्यंडेप / **Mawlyndep**	16:30	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available: • CB status of D_01 & D_05. • Isolator status of D_02_L & D_05_B2
17.	नंगलबिबरा / **NANGALBIBRA**	16:31	Following analog data are not available: • Tap position of ICT-1. • ICT-1 LV & HV side MW. • 132KV main Bus KV & Hz.	Following digital data are not available. • ICT-1 HV side CB & isolator. • CB of Mendipathar is showing in between. • Nongstoin tie CB showing in between status.
18.	नेहू / **NEHU**	16:32	Following analog data are not available: • Tap position of all ICTs.	Most of the digital data are not available.
19.	नि ग्रीम्स / **NEIGRIHMS**	16:32	Following analog data are not available: • Tap position of ICT-1 and 2	Most of the digital data are not available.
20.	नोंग्सटोन / **NONGSTOIN**	16:33	Following analog data are not available: • Tap position of ICT-1 is being replaced. • 132 kV Main Bus KV and Hz.	Most of the digital data are not available.
21.	रोंग्खोन / **RONGKHON**	16:33	Following analog data are not available: • Tap position of all ICTs.. • 132 kV Main Bus KV and Hz. • ICT-3 MW & MVAR both sides LV & HV.	Most of the digital data are not available.
22.	ऊमीयम / **UMIAM_ME**	16:34	Following analog data are not available: • Tap position of all ICTs are replaced.	Following digital data not available: • Line side isolator for RNB load and Umiam STG.1, Line side isolator for NEHU, and Bus side isolators for ICTs.
23.	ऊमीयम 1 / **UMIAM 1**	16:34	All analog data are not available.	All digital data are not available.
24.	ऊमीयम 2 / **UMIAM 2**	16:34	All analog data are not available.	All digital data are not available.
25.	ऊमीयम 3 / **UMIAM 3**	16:34	All analog data are not available.	All digital data are not available.
26.	ऊमीयम 4 / **UMIAM 4**	16:34	All analog data are not available.	All digital data are not available.
27.	उमत्रु / **UMTRU**	16:35	Following analog data are not available: • MW & MVAR data of Sarusajai-1 feeder.	Most of the digital data are shown in between and suspect.
28.	न्यू उमत्रु / **NEW UMTRU**	16:36	Following analog data are not available: • 132KV Main Bus KV and HZ. • EPIP-2 MW	Most of the digital data are suspect.
29.	**GOLDSTONE**	16:36	All analog data are available.	Following digital data are not available: • Unit-1 HV side Isolator

- ***Changes from last week is highlighted in red color.***

ANNEXURE-IV

अनैलॉग और डिजिटल स्टेटस त्रिपुरा राज्य के स्टेशन का / **ANALOG AND DIGITAL DATA STATUS OF TRIPURA STATE Status checked on (17.03.2025)**

Sl. No.	आर टी यू स्टेशन / RTU STATION	Time	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	अगरतला / AGARTALA	15:59	Following analog data not available: • Tap position of all ICTs. • MW &MVAR of all ICTs on both sides except ICT-3.	All digital data are not available.
2.	अमर पुर / AMARPUR	16:00	All analog data not available.	All digital data are not available.
3.	अंबस्सा / AMBASSA	16:00	All analog data not available.	All digital data not available.
4.	बदरघाट / BADARGHAT	16:00	Following analog data not available: • Tap position of all ICTs. • Rokhia line MW and MVar. • 33 kV Bus-1 kV & Hz.	Most of the digital data are not reporting.
5.	बरमुरा / BARMURA	16:00	Following analog data not available: • Tap position of all ICTs. • Bus Hz & kV.	All digital data not available.
6.	बेलोनिया / BELONIA	16:00	All analog data not available.	All digital data not available.
7.	बोगफा / BOGAFA	16:00	All analog data not available.	All digital data not available.
8.	बोक्सानगर / BOXANAGAR	16:01	All analog data not available.	All digital data not available.
9.	बुद्ध्जंगनगर / BUDHJUNG NAGAR	16:02	Following analog data not available: • Tap position of all ICTs. • MW and MVAR data of ICT-2 both sides.	Following digital data not available: • CB of ICT-1 & 2, SURJA_ST -1 line. • Isolator status of all bays is incorrect.
10.	ढालबिल / DHALABILL	16:03	Following analog data not available: • Tap position of all ICTs. • ICT-1 HV & LV side MW and MVar.	Following digital data not available: • ICT-2 HV side CB • Gamatilla line CB & main bus isolator. • Bus Coupler Bay all isolators. • ICT-2 & 1 HV side main Bus isolator. • Kamalpur main isolator. • Isolator D_B1_PT.
11.	धरमनगर / DHARMA NAGAR	16:03	All analog data not available.	All digital data not available.
12.	गमाइतिल्ला / GAMAITILA	16:03	All analog data not available.	All digital data not available.
13	गोकुलनगर/GOK ULNAGAR	16:03	All analog data not available.	All digital data not available.
14.	गौरनगर /	16:04	All analog data not available.	All digital data not available.

	GOURNAGAR			
15.	गुमटी / **GUMTI**	16:04	All analog data not available.	All digital data not available.
16.	जिरनिया / **JIRANIA**	16:04	All analog data not available.	All digital data not available.
17.	कमलपुर / **KAMALPUR**	16:04	All analog data not available.	All digital data not available.
18.	मोहनपुर / **MOHANPUR**	16:04	Following analog data not available • Tap position of all ICTs. • Dhalabill line MW & MVAR. • ICT-2 HV & LV side MW & MVAR.	Following digital data not available: • ICT-2 HV side bay all digital data. • Dhalabill line bay all digital data.
19.	मोनारचक / **MONARCHAK**	16:05	Following analog data not available • Surajmaninagar line 1 and 2 MW and MVAR.	All digital data of SM Nagar line 1 and 2 bay not available.
20.	ओमपी / **OMPI**	16:05	All analog data are not available.	All digital data not available.
21.	पी के बारी / **PK BARI**	16:06	Following analog data not available • Tap position of all ICTs.	Following digital data not available: • ICT-1 HV side isolator. • Dharmanagar Main isolator. • Gournagar Main isolator.
22.	रबीन्द्र नगर / **RABINDRNAGAR**	16:06	All analog data are not available.	All digital data are not available.
23.	रोखिया / **ROKHIA**	16:07	Following analog data not available • Tap position of all ICT-1. • All analog data of 66kV side.	All digital data are not available.
24.	सबरूम / **SABROOM**	16:07	All analog data not available.	All digital data not available.
25.	सतचंद / **SATCHAND**	16:07	All analog data not available.	All digital data not available.
26.	सुरजमानी नगर / **SURAJMANI NAGAR**	16:07	Following analog data not available • Tap position of all ICTs. • 132 kV bus-2 HZ	Following digital data not available: • ICT-1 & ICT-2 LV side isolator. • Agartala 1 Main isolator. • All digital data of Budjungnagar. • Surjamni Nagar bus isolator.
27.	उदयपुर / **UDAIPUR**	16:08	Most of the analog data are not available.	Most of the digital data not available.

❖ ***Changes from last week is highlighted in red color.***

ANNEXURE-V

अनैलॉग और डिजिटल स्टेटस मणिपुर राज्य के स्टेशन का / **ANALOG AND DIGITAL DATA STATUS OF MANIPUR STATE (Status checked on (17.03.2025))**

Sl. No.	आर टी यू स्टेशन / RTU STATION	Time	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	चंदेल / **CHANDEL**	15:39	All analog data are not available.	All digital data are not available.
2.	चूरचंदपुर / **CHURACHANDPUR**	15:39	All analog data are not available.	All digital data are not available.
3	एलान कांग पोकपी / **ELANGKANGPOKPI**	15:39	All analog data are not available.	All digital data are not available.
4.	हुंडूंग / **HUNDUNG**	15:40	All analog data are not available.	All digital data are not available.
5.	इम्फ़ाल / **IMPHAL**	15:40	Following analog data not available: • Tap position of all ICTs. • Karong line 1 MW & MVAR. • Yiangangpokpi line 2 MW & MVAR.	Isolator status of most of the bays is suspect.
6.	जिरीबाम / **JIRIBAM**	15:41	Following analog data not available: • Tap position of all ICT.	Following digital data not available: • Isolator D_03 showing in between status.
7.	काकचिंग / **KAKCHING**	15:42	Following analog data not available: • Elangkangpokpi , Thoubal, Moreh Line MW &MVAR. • Tap position of all ICTs.	Following digital data not available: • CB of Elangkangpokpi , Thoubal, Moreh Line. • Isolator status of Thoubal Chandel, ICT-1 bays is suspect.
8.	करोंग / **KARONG**	15:42	All analog data are not available.	All digital data are not available.
9.	कोंग्बा / **KONGBA**	15:43	All analog data are not available.	All digital data are not availables.
10.	मोरेह / **MOREH**	15:43	All analog data are not available.	All digital data are not available.
11.	निंग थौ खोंग / **NINGTHOUKHONG**	15:43	Following analog data not available: • Imphal -1 MW. • Tap position of ICTs.	Isolator status of ICT-1, Imphal-1 bay is not reporting correctly.
12.	रेंग पाँग / **RENGPANG**	15:44	All analog data are not available.	All digital data are not available.
13.	थान लोन / **THANLON**	15:45	All analog data are not available.	All digital data are not available.
14.	400केवी थौबल / **400 kV THOUBAL**	15:45	All analog data are available.	All digital data are not available.
15.	थौबल ओल्ड / **THOUBAL OLD**	15:46	All analog data are not available.	All digital data are not available.
16.	तिपाइमुख / **TIPAIMUKH**	15:47	All analog data are not available.	All digital data are not available.
17.	यियांग कांग पोकपी / **YIANGANGPOKPI**	15:47	Following analog data not available: • Tap position of all ICTs showing negative value. • MW & MVAR of Kongba-	Following digital data not available: • Kongba-1 all line isolators. • Kongba-2 all bay digital data. • ICT-1&2 CB showing in

			2.	between status. • Imphal-2 line isolator. • Hundung bus and line isolators & CB showing in between status.

❖ ***Changes from last week is highlighted in red color.***

ANNEXURE-VI

अनैलॉग और डिजिटल स्टेटस मिज़ोरम राज्य के स्टेशन का / **ANALOG AND DIGITAL DATA STATUS OF MIZORAM STATE**

Status checked on (17.03.2025)

Sl. No.	आर टी यू स्टेशन / RTU STATION	Time	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	चंफई / **CHAMPHAI**	15:36	All analog data are not available.	All digital data are not available.
2.	इंडूर / **INDOOR**	15:36	All analog data are not available.	All digital data are not available.
3.	खव्ज़ वाल / **KHAWZAWL**	15:37	All analog data are not available.	All digital data are not available.
4.	लुंग लेई / **LUNGLEI**	15:37	All analog data are not available.	All digital data are not available.
5.	लुंग मुयल/ **LUANGMUAL**	15:37	All analog data are not available.	All digital data are not available.
6.	सेरचिप / **SERCHHIP**	15:37	All analog data are not available.	All digital data are not available.
7.	साइतुयाल / **SAITUAL**	15:37	All analog data are not available.	All digital data are not available.
8.	सिहहमुई / **SIHHMUI**	15:38	All analog data are not available.	All digital data are not available.
9.	ज़ुयांग तुइ / **ZUANGTUI**	15:38	All analog data are not available.	All digital data are not available.
10.	कोलासिब / **KOLASIB**	15:38	All analog data are not available.	All digital data are not available.
11.	वंकल सोलर / **Vankal Solar**	15:39	All analog data are not available.	All digital data are not available.

Note:

1) RTUs at the following grid connected stations are not yet installed:

i) 132kV Melriat (State).
ii) 132kV Bairabi.
iii) 132 kV Vankal.
iv) Serlui HEP (3x4 MW)

- ***Changes from last week is highlighted in red color.***

ANNEXURE-VII

अनैलॉग और डिजिटल स्टेटस नागालैंड राज्य के स्टेशन का / **ANALOG AND DIGITAL DATA STATUS OF NAGALAND STATE**

Status checked on (17.03.2025)

Sl. No	आर टी यू स्टेशन / RTU STATION	Time	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	दिमापुर / **DIMAPUR**	15:25	Following analog data not available: • Tap position of all ICTs. • 66 kV Main bus kV & Hz.	Most of the digital data are not available.
2.	गणेश नगर / **GANESH NAGAR**	15:26	All analog data are not available.	All digital data are not available.
3.	किफिरे / **KIPHIRE**	15:27	All analog data are not available.	All digital data are not available.
4.	कोहिमा / **KOHIMA**	15:28	Following analog data not available: • Tap position of all ICTs. • ICT-3 MW & MVAR both sides.	Following digital data are not available. • ZHADIMA line bay all isolator. • DIMAPUR_PG Bay transfer bus isolator. • ICT-1 & 2 hv side bay all isolator data. • ICT-3 hv side bay all digital data. • Meluri & Karong Transfer bus isolator.
5.	एल एच ई पी / **LHEP**	15:28	All analog data are not available.	All digital data are not available.
6.	लॉन्ग नाक / **LONGNAK**	15:28	All analog data are not available.	All digital data are not available
7.	मेलुरी / **MELURI**	15:28	All analog data are not available.	All digital data are not available.
8.	मोकोक चुँग / **MOKOKCHUNG**	15:29	Following analog data not available: • Tap position of all ICTs except ICT-1.	All digital data are available.
9.	मोन / **MON**	15:29	All analog data are not available.	All digital data are not available.
10.	नगनी मोरा / **NAGNIMORA**	15:30	All analog data are not available.	All digital data are not available.
11.	पावर हाउस / **POWER HOUSE**	15:31	All analog data are not available.	All digital data are not available.
12.	सनिस / **SANIS**	15:31	Following analog data not available: • Tap position of ICT-1.	All digital data are available.
13.	टीजीट / **TIZIT**	15:32	All analog data are not available.	All digital data are not available.
14.	तुएन सांग / **TUENSANG**	15:33	All analog data are not available.	All digital data are not available.
15.	तुली / **TULI**	15:34	Most of the analog data are not available.	Some digital data are not available.
16.	वोखा / **WOKHA**	15:35	All analog data are not available.	All digital data are not available.
17.	जुहेन बोटों / **ZUHENEBOTO**	15:36	All analog data are not available.	All digital data are not available.

Note:

1) RTUs at the following grid connected stations are not yet installed:

i) 132kV Meluri.
ii) 66kV Tizit.
iii) 66kV Nagnimora.
iv) 132 kV Chiephobozou.

- ***Changes from last week is highlighted in red color.***

ANNEXURE-VIII

अनैलॉग और डिजिटल स्टेटस अरुणाचल प्रदेश राज्य के स्टेशन का / **ANALOG AND DIGITAL DATA STATUS OF ARUNCHAL PRADESH STATE**

Status checked on (17.03.2025)

Sl. No.	आर टी यू स्टेशन / RTU STATION	Time	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	अलोंग / **ALONG**	10:50	Following analog data not available: • Tap position of all ICT.	Following digital data are not available. • Bus-1 isolator of Basar line. • Kambang bay digital data.
2.	बसर / **BASAR**	10:52	Following analog data not available: • Bus-1 KV and Hz. • Bus-2 KV and Hz.	Following digital data are not available. • Along CB.
3.	भालूकोंग / **BHALUKONG**	10:53	All analog data are not available.	All digital data are not available.
4.	डपोरीज़ों / **DAPORIJO**	10:53	All analog data are not available.	All digital data are not available.
5.	देओमाली / **DEOMALI**	10:53	All analog data are not available.	All digital data are not available.
6.	चिंपू / **CHIMPU**	10:55	Following analog data not available: • Tap position of all ICTs. • MW & MVAR of HALONG1. • MW and MVar of Pare and Panyor lines.	Following digital data are not available. • PARE-1 & PANYOR bay digital data.
7.	जयराम पुर / **JAIRAMPUR**	10:55	All analog data are not available.	All digital data are not available.
8.	खुपी / **KHUPI**	15:13	Following analog data not available: • Tap position of ICT-1.	All digital data are available.
9.	लेखी / **LEKHI**	15:14	Following analog data not available: • Tap position of all ICTs. • Itanagar_Nirjuli line MW.	All digital data are available.
10.	पासी घाट /**PASIGHAT**	15:14	Following analog data not available: • Tap position of all ICTs.	Following digital data are not available. • Bus-1 isolator of ICT-1.
11.	दीक्षी / **DIKSHI**	15:15	All analog data are not available.	All digital data are not available.
12.	टेंगा / **TENGA**	12:50	All analog data are not available.	All digital data are not available.
13.	**HOLONGI**	12:	All analog data are not available.	All digital data are not available.
14.	**NAPIT**	12:	Following analog data not available: • Tap position of all ICTs.	Following digital data are not available. • HV sides of ICT-1 & ICT-2 bays all isolator.
15.	**KHUPI**	12:	Following analog data not available: • Tap position of ICT-1.	All digital data are available.
16.	**NIGLOK**	12:	All analog data are not available.	All digital data are not available.
17.	**SEPPA**	12:	Following analog data not available: • Tap position of ICT-1. • Main Bus KV and Hz.	All digital data are available.

Note:

1) Jairampur is a 33kV interstate connecting substation.

❖ ***Changes from last week are highlighted in red color.***