AGENDA

FOR

32ND NETeST MEETING

Time of meeting : 11:00 Hrs.

Date of meeting : 29th August, 2025 (Friday)

Venue : NERPC Conference Hall,Shillong

Contents

NORTH EASTERN REGIONAL POWER COMMITTEE

AGENDA FOR 32ND NETeST MEETING TO BE HELD ON 29.08.2025 (FRIDAY) AT 11:00 HRS

1. PART-A: CONFIRMATION OF MINUTES

1.1. Confirmation of Minutes of 31st Meeting of NETeST Sub-Committee of NERPC

The minutes of 31st meeting of NETeST Sub-committee held on 04.04.2025 at NERPC Conference Hall, Shillong were circulated vide letter No. NERPC/NETeST/2025/3938-3977 17th April, 2025.

No comments have been received till date.

The Sub-committee may confirm the minutes of 31st NETeST meeting of NERPC.

2. PART-B: ITEMS FOR DISCUSSION

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

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

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

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.

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

the requisite information for AEGCL owned equipments in Kahilipara substation so that communication audit can be carried out for the same.

The forum further agreed that the next communication audit shall be carried out at SLDC Tripura and Surajmaninagar. The forum requested Tripura to submit the requisite information in respect of SLDC Tripura and Surajmaninagar to NERPC at the earliest.

PGCIL may update the compliance of audit points.
Tripura may update.

2.2. Communication System Outage Planning-NERPC

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 2.2
- 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.

In 31st NETeST meeting, NERPC shared the format of communication outage protocol to all the constituents. NERLDC also agreed to share the list of important communication links and equipments to all utilities for their consent. The forum advised all the constituents to share the planned communication outages for the next month by the 7th of the previous month in the prescribed format. All the constituents agreed to the same.

After 31st NETeST meeting:

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.

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

Respective utilities are requested to submit the list of critical lines from a communication perspective to NERLDC.

Members may deliberate.

2.3. Guidelines on Availability of Communication system-NERPC

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.

In 31st NETeST meeting, ULDC-POWERGRID shared the list of important ISTS channels to NERPC. However, the forum noted that the format of the shared list does not clarify the type of service for which the channel is being used. Moreover, the nature of the outages and the duration of the down time of the channels are not specified. PGCIL responded that these evolving requirements should be resolved after the proper tagging process is completed.

The forum noted that PGCIL would share the information as per the uniform format for sharing the requisite data after finalization of the same by NPC.

PGCIL may update.

Members may discuss.

2.4. Usage of POWERTEL OPGW in view of the order of Hon'ble CERC against petition no. 494/MP/2020 - NERLDC

As per the Hon'ble CERC order in Petition No. 494/MP/2020, all assets including OPGW regardless of whether commissioned by POWERGRID or POWERTEL, are under the management and control of POWERGRID. Consequently, the ownership of the OPGW in question vests with POWERGRID.

In the 8th CTU Planning Meeting (CPM) dtd. 28-07-2025, NERLDC requested POWERGRID to provide communication links for Power System usage over all such OPGW networks previously managed by POWERTEL, including the 400 kV Silchar – Imphal, 400 kV Balipara–Bongaigaon Lines 3 & 4 and the 132 kV Kumarghat–Aizawl line.

Forum may discuss further if any other such fibre needs to brought in usage for Power System.

NERLDC may elaborate.

Members may deliberate.

2.5. Optimised utilisation of OPGW & FOTE across the NER considering the assets that are being commissioned under NERPSIP, Comprehensive T&D, State-owned projects, TBCBs and ULDCs- NERLDC

With the recent commissioning of numerous links under various State and Central projects, the communication infrastructure of the NER Grid has witnessed significant development. However, **the optimal utilization of the infrastructure is essential to derive its full benefits.** Few of such examples are outlined below:

Usage of BNC-HVDC → Balipara → Rangia → Bongaigoan → Alipurduar, the OPGW is laid over BNC- Agra HVDC link **however it is still not being utilized for Inter-regional communication link.**

The Connectivity Tinsukia →Kathalguri → Namsai →Tezu - - -> Roing - - -> Pasighat → Along → Basar →Daporizo →Ziro consist of Tejas SDH which are either owned by Comprehensive T&D or ULDC POWERGRID, **however all the Tejas SDHs are not connected till now.**

Kameng → Khupi → Tenga → Balipara OPGW is completed, however this link is not being utilised till now.

Inter-patching requirement at multiple locations of NER to facilitate a redundant communication path between Central Sector Station and NERLDC after commissioning of various assets under NERPSIP-Tripura:

(a) Gohpur (Assam owned station),

(b) Rokhia (Tripura owned station),

(c) Udaipur (Tripura owned station),

(d) Agartala-79 Tilla (SLDC-Tripura)

NERLDC may elaborate.

Members may deliberate.

2.6. Establishing Communication Link between 400 kV New Kohima and 220 kV Zhadima via 220 kV Zhadima–New Kohima Line – Restoration of Connectivity in View of Link Failure-NERLDC

The communication link between **400 kV New Kohima and 400 kV Imphal** has remained non-functional since June 2024. Restoration efforts by **Aparva (TSP)** have been hindered due to prevailing law and order issues in Manipur, resulting in a prolonged outage and communication blackout at New Kohima. However, there exists an alternative opportunity to restore connectivity through the **OPGW laid on the 220 kV Zhadima–New Kohima transmission line**, which is being executed by the **Department of Power (DoP), Nagaland**.

A **Fibcom FOTE** is installed at **220 kV Zhadima**.

An **ABB FOTE** is available at **400 kV New Kohima**.

A direct fiber patch between these FOTEs using the available OPGW on the Zhadima–New Kohima line can restore essential communication for New Kohima until the primary route via Imphal is re-established.

ULDC-POWERGRID, Aparva and **DoP-Nagaland** are requested to coordinate with the respective vendors (Fibcom and ABB) and execute the necessary inter-patching to restore communication between New Kohima and Zhadima via the aforementioned OPGW route, which will enhance the reliability of New Kohima (Aparva) S/s and in turn for NER. A diagram depicting the connectivity is attaches as Annexure B 2.6.

ULDC-POWERGRID and DoP-Nagaland may update.

Members may deliberate.

2.7. Installation of OPGW on the existing lines of ISTS and STU- Agenda by CTU

2.7.1 CEA has intimated vide letter dtd.22.05.2024 (attached at Annexure-I) that all the transmission lines of **110kV and above shall have Optical Ground Wire (OPGW)** along with necessary terminal equipment for speech transmission, line protection, and data channels. Further primary path for tele-protection shall be on point-to-point Optical Ground Wire and alternative path shall be either on Power Line Carrier Communication or predefined physically diversified Optical Ground Wire paths. Subsequently CEA vide their letter dtd. 22.11.24 (attached at Annexure-II) communicated that all the upcoming lines shall be provided with 48 Fiber OPGW to cater for broadband and internet requirements in the rural areas and hinterlands to provide reliable Telecom connectivity.

2.7.2 In the present scenario of increased RE penetration, frequent system expansion and strengthening, many of the existing lines are proposed for LILO frequently during transmission planning. However, it has been observed many times during planning/execution of these LILO systems that main line is not having OPGW, which leads to issues such as compromising on the alternate path/ redundancy/ protection. Further installation of OPGW on the existing lines being LILOed leads to time mismatch. Moreover, these OPGW laying schemes take even more time than execution of planned TBCB/RTM schemes as Live Line installation of OPGW require PTW from respective RLDCs and also involve ROW for OPGW laying.

As per para 2.7.2 above:

POWERGRID Transmission lines under RTM without OPGW: Tentative figure is given Below:

S.No	Region	Total Transmission Length (Kms)

1	NR	4091
2	WR	5200
3	SR	644
4	ER	2754
5	**NER**	**127**
	Grand Total	12816

TATA Powerlink (Joint Venture of POWERGRID & TATA Power) Transmission lines without OPGW:

S.No	Region	Total Transmission Length (kms)
1	ER	309
2	NR	742
	Total	1051

(c) Private TBCB Transmission Lines without OPGW:

S.No	TSP Name	Region	Total Transmission Length (kms)
1	Indigrid	ER	162
		WR	615
		NER	**220**
2	Adani	WR	1892

		Total	2889

Grand Total for the Transmission Lines without OPGW – 16,775 Kms(Pan-India).

In NER Region, 400kV Silchar-P K Bari-1 line having length 127km of doesn't have OPGW.

It is requested that all TSPs i.e. POWERGRID, Indigrid, Sterlite/Resonia, , Aparaava, etc. and RLDC may also check and intimate if any lines without OPGW is not mentioned here so that same may be included. Further, detail of required FOTE may also be checked and confirmed by respective TSPs.

2.7.3 State lines without OPGW

Many STU lines also got LILOed on the ISTS substations, for which OPGW installation in the main line is to be taken care by respective State Utilities. **STUs are also requested to identify and list out such lines for planning OPGW installation.**

As a proactive approach, all the Central and State Sector utilities prioritize the implementation of the 48F-OPGW laying across the transmission network to ensure compliance with regulatory requirements and directive as mentioned above.

Accordingly, it's proposed that:

For ISTS lines CTU has prepared the schemes of implementation of OPGW on existing transmission lines of voltage 132kV and above, on which OPGW is not available, along with estimated cost which could be taken up as follows:

a) For TBCB projects, the scheme would be implemented by respective TSP under Change in Law / RTM
b) For RTM projects, the scheme would be implemented by respective TSP under RTM

c) For intra state projects, it is suggested that STUs shall formulate the scheme of implementation of OPGW on existing system for their respective states.

For North Eastern Region:

In NER region following ISTS lines doesn't have OPGW

400kV P K Bari-Silchar line and

400kV Binaguri- Alipurduar-Bongaigaon (upto bypass point under NERES-XXV Part-A)

It has been deliberated in 8th CPM held on 28.07.2025. In the meeting it has been agreed by the forum that OPGW may be laid on the above mentioned ISTS lines. Further OPGW laying work for Alipurduar- Bongaigaon (upto bypass point under NERES-XXV Part-A) may be carried out on priority with matching timeline of NERES XXV- Part-A Scheme (Attached as Appendix-I). Accordingly, the scheme for laying of OPGW on above mentioned lines in NER has been prepared and enclosed as Annexure- III.

POWERGRID & Indigrid may provide the following details:

Sl. No	Station Name	Addl. FOTE including Amplifiers (If any)	Remarks
1	PK Bari		
2	Silchar		
3	Alipurduar		
4	Binaguri		STM-64 already proposed in Congestion scheme. Requirement of

			Amplifier (If any) may be provided.

Further, POWERGRID may provide the details of OPGW laid on LILO section.

POWERGRID & Indigrid may update.

Members may deliberate.

2.8. Replacement of Earthwire on second peak of Nangalbibra-Bongaigaon Transmission Ltd (NBTL) with OPGW (48F) for commercial utilization- Agenda by STERLITE

NBTL is an ISTS licensee (Transmission Service Provider) under TBCB scheme holding license no. 77/Transmission/2022/CERC dated 28.07.2022 issued by CERC.

As per the Transmission Service Agreement (TSA) dated 06.07.2021 (refer Specific Technical Requirement for Communication under Schedule 2), signed between NBTL and LTTCs, one 24F OPGW is to be installed on one peak & Earthwire (or OPGW if desired by NBTL) on second peak. Accordingly, NBTL has done the installation of 1 OPGW cable (24F) on one E/W peak and earthwire on the second peak. As per the requirements all 24F of the existing installed OPGW have been handed over to CTUIL for critical grid communication, supporting SCADA, PMU, VoIP, AGC, and other real-time operations. Therefore, there is no spare capacity available with NBTL for monetization for commercial purposes.

With this background, **NBTL proposes to replace the existing earthwire on second peak with 48F OPGW for commercial utilization of the fiber assets**. This would be installed on the following elements:

S No	Element	Length (Kms)
1.	400 KV D/c Bongaigaon - Nangalbibra Line	122.8
2.	132 KV D/c Hatsingimari - Ampati Line	18.6
	Total	**141.4**

As per the TSA, NBTL will undertake the maintenance of OPGW cable & OPGW hardware and the same will be the responsibility of NBTL. **This replacement will be undertaken by NBTL at its own costs.**

Further, as per the recommendation of NERLDC, the agenda is to be taken up with CTUIL and NERPC (in NETeST meeting) for further deliberation and perusal.

NBTL (Sterlite) may elaborate.

Members may deliberate.

2.9. Delay in signing of SCADA/EMS System AMC Agreement for Extended Support of SLDC Tripura- Agenda by TRIPURA

The SCADA/EMS system of Tripura SLDC, operational since 2016, had its 9-year Comprehensive AMC (7 Years AMC + 2 Years extended AMC) with M/s GEV (formerly GE T&D India Ltd) expired on 31st March 2025.After several communication and persuasion from Tripura SLDC end, **the revised offer of ₹3.66 Crores (excluding GST)** was placed by M/s GEV dated on 12th June 2025 which remains excessively high **(approximately 4.15 times higher than the prior AMC cost of ₹90 Lakhs over a period of two-years.).**

The offered AMC price breakup is as below:

- AMC price for 1st Year INR 1.73 Crores (Excluding GST)
- AMC price for 2nd Year INR 1.93 Crores (Excluding GST)

Later it was again requested to M/s GEV from Tripura SLDC end to quote the price keeping parity with the contract rate at which M/s GEV had entered

AMC contract with Assam SLDC in the end of 2024 with a similar scope of work. But despite of several requests response is till date pending from M/s GEV end. Moreover, as the matter is quite delayed now after the expiry of the last AMC dated 31st March 2025, seeking intervention of NERPC for settlement of Fresh AMC with M/s GEV at the earliest for existing EMS/SCADA System of Tripura SLDC considering in line with the ongoing contract with Assam.

Now, the matter is placed before the Forum for kind deliberation as the matter is urgent and of utmost importance for maintaining the steady Power System Operation of Tripura as well as NER.

Members may deliberate.

2.10. Integration of communication nodes in UNMS:

The integration of following Inter State Transmission System Nodes is still pending in UNMS.

- PK Bari 400kV
- SM Nagar 400kV

The above UNMS integration are quite essential for monitoring the overall communication system on pan India basic.

Members may deliberate.

2.11. SAMAST Project – Agenda by Genus Power Infrastructures Limited

With reference to LOA NO:- 1. NERPC/SE(0)/SAMAST/2021/221 Dt.23/09/2021.

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

Nagaland –

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

Manipur -

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

Tripura -

- Material Handover: The balance BOQ items which was supply under the SAMAST project need to be handed over to utility. Need support on the same.

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

AMC: -

- We have submitted our offer for AMC to Assam, Meghalaya, Nagaland and Mizoram on receipt of their request. But we have **not received the AMC order from any of the states**.

2.12. Presentations proposed on Security Operations Center (SOC) and PMU-PQ meter:

M/s Orbit Techsol India Pvt. Ltd will share a presentation on Security Operations Center (SOC).

M/s MB Control will share a presentation on PMU-PQ meter.

Members may note.

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

3.1. Status of Construction of Backup SLDC in NER states (as per (agenda 2.4) in 31st NETeST MoM.)

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 is tabulated. States may provide the updated status:

S. No.	Name of state	Status of submission of Documents to PSDF	Status of construction of Back up SLDC as per 29th TCC meeting/ 31st NETeST Meeting
1	Arunachal Pradesh	Backup Control Centre will be constructed for SCADA/EMS System at the new 132 kV New Pasighat (Napit) Substation.	Land identified at Niglok substation. Proposal has been submitted to government of Arunachal Pradesh for budget provision of this year.
2	Assam	Tarriff petition is filed in AERC, which is expected to be approved in March 2025.	Assam updated that the DPR has been submitted with a budget of around 8.5 Cr. to Govt. of Assam for approval of funds for construction of a new building for Backup SLDC at Samaguri S/S premises of AEGCL. Assam clarified that the cost shall not form part of tariff as it is proposed to be part of Grant by Govt. of Assam.
3	Manipur	Site Survey with NERLDC was carried out in 400 kV Thoubal S/s on 15th January 2025.	Location identified at 400kV Thoubal SS. Space required for accommodating UPS and Battery.
4	Meghalaya	In principle board approval accorded on 24th January 2025, the LoA will be placed in six months.	Tendering under process. Space identified at Mawphlang SS.

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.	Budget amount approved; expenditure sanction expected by next month. (Meeting held on 17th and 18th July, 2025).
6	Nagaland	A new two-story building is being constructed for the Backup Control Centre at the 220/132 kV Zhadima Substation	Space ready at New Kohima S/S (New Secretariat).
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.	The proposal for modification of the existing building at S M Nagar Grid S/S (Tripura) has been submitted for approval of BOD which is expected shortly.

All the States of NER are requested to give the latest update.

3.2. Progress of SCADA-EMS upgradation/replacement systems at Regional/State level in North-Eastern Region. (Agenda 3.19 of 31st NETeST Meeting)

The extended AMC period for existing (ULDC-Phase II) of the SCADA/EMS 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.

Following multiple discussions in the 86th, 87th, 88th, and 89th TESG meetings, and based on TESG's direction, NERLDC prepared a cost estimate for the upgradation of SCADA/EMS proposals for the states of NER. This estimate was based on the latest Letter of Award (LoA) available, which was for SLDC Tamil Nadu.

NERLDC submitted these cost estimates via email on May 2, 2025, applying a 30% cost escalation on the SCADA/EMS project cost of SLDC, Tamil Nadu.

These estimates were subsequently discussed in the 90th Meeting of the TESG of PSDF, held on May 2, 2025.

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

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

NERLDC requests the forum to take up the matter appropriately so that PSDF approval can be obtained at the earliest.

As per 29th TCC/NERPC Member (GO&D), CEA, apprised the forum that the matter has been referred by monitoring committee to form a joint committee, comprising of Member (GO&D) CEA, CMD, Grid India and JS(FA), MoP. **Further he informed that the meeting of the committee will be organised shortly to resolve the matter at the earliest**

Members may deliberate.

3.3. Frequent power failure issue at Boko and Sarusajai (Agenda 2.5 in 31st NETeST Meeting)

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:

A. ICCP link between NERLDC and NLDC/Backup NLDC
B. AGC link between Loktak/Kopili and NLDC

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

Example:

1. At 16:24 hrs of 13th March 2025 Sarusajai power supply failure which led to shutdown of FOTE.
2. 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.
3. At 15:25 hrs of 18th March 2025, Sarusajai power supply failure which led to shutdown of FOTE.

In 31st NETeST meeting, SLDC Assam informed the forum that, a new battery bank is being installed at 132kV Boko S/s and also a different battery bank has been arranged for 220kV Sarusajai S/s. Battery replacement at both locations is expected to be completed by 15th April 2025.

SLDC Assam may update the status.

3.4. Inter-patching of FOTE at Assam owned Rangia s/s between Fibcom and ABB as backup path to avoid dependency on Boko-Agia node (Agenda 2.6 in 31st NETeST Meeting).

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.

In 31st NETeST meeting, ULDC-POWERGRID informed the forum that, another redundant communication path was also being established through the newly commissioned lines connecting Bongaigaon and Balipara substations which will help in mitigating the issue. However, as requested by NERLDC, ULDC team of POWERGRID assured that the inter-patching work shall also be completed within 7 days, resulting in the creation of additional redundant communication paths to NERLDC.

ULDC-POWERGRID may update the status.

3.5. Request to integrate DoP, Arunachal Pradesh Stations over OPGW (Agenda 2.7 in 31st NETeST Meeting).

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, to integrate the following stations over OPGW also apart from the available VSAT:

1. Along
2. Pasighat
3. Daporizo

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

As the agenda could not be discussed due to absence of representative from DOP, Arunachal Pradesh, the same was discussed on 225th OCC meeting agenda 2.11, where in Member Secretary, NERPC advised DoP-AP to take up the matter with the co-ordinator of M/s GE and resolve the issue by the next OCC meeting.

DOP-Arunachal Pradesh may update the status.

3.6. Data integration of Panyor and Pare in Chimpu S/s RTU (Agenda 2.8 in 31st NETeST Meeting).

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, 16th April 2025, 08th May 2025 and 05th August 2025, attached as Annexure-B.6:

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.

As the agenda could not be discussed due to absence of representative from DOP, Arunachal Pradesh, the same was discussed on 225th OCC meeting agenda 2.12, where in DoP-AP apprised the forum that MFTs and CMRs have been received at site. DoP-AP further apprised the forum that cabling work is pending and will be resolved within 2 weeks' time.

DOP-Arunachal Pradesh may update the status.

3.7. Integration of weather parameter data as per CERC guideline on Interface Requirements (as per agenda 3.4 in 31st 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.

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

In the 31st NETeST meeting, NEEPCO apprised the forum that they have incorporated the weather parameter data at Khandong Stage –II with a cost implication of approximately ₹2.5 lakhs only. **MS, NERPC requested all utilities to integrate the data as per CERC guidelines.**

All utilities may update the latest status.

3.8. Integration of protection signals and substation data as per CERC guideline on Interface (as per agenda 2.9 in 31st 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 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 submitted a checklist for central sector for compliance of the above guideline in 31st NETeST.

All utilities are requested to update the status.

3.9. Dual Connectivity between Main-1 & Main-2 NERLDC and SLDCs (additional agenda 1.4 in 31st NETeST meeting)

NERLDC currently operates under the Main-1 and Main-2 concept, with its establishments located in Shillong and Guwahati. This structure enhances operational efficiency and ensures redundancy in case of failures. To strengthen grid reliability and communication resilience, a dual independent physical connectivity path between NERLDC and State Load Despatch Centres (SLDCs) is crucial.

In case of last mile connectivity all SLDCs should ensure that the minimum two physical OPGW/underground/ADSS fiber is available between SLDC and the last mile sub-station.

ULDC-NERTS and SLDCs are requested to ensure the dual independent physical path between SLDC and Main-1 & Main-2 NERLDC.

NERLDC has submitted the preliminary map of each SLDC in 31st NETeST meeting which is attached as Annexure C 3.9 .

In 31st NETeST meeting, MS NERPC requested all SLDCs to ensure the availability of dual connectivity between SLDC and its last mile connectivity and subsequently to NERLDC. NERLDC has shown a presentation on the requirements for establishing dual connectivity.

ULDC-NERTS and SLDCs are requested to update the status.

3.10. Re-configuring RTUs of NEEPCO owned stations for reporting to NERLDC Guwahati (as per Agenda 3.2 of 31st 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.

In addition to above, NERLDC has communicated with NEEPCO via email 11th March 2025.

Members may deliberate.

3.11. Re-configuring RTUs of POWERGRID owned stations for reporting to NERLDC Guwahati (as per Agenda 3.3 of 31st 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.

With help of PGCIL-NERTS and PGCIL-ULDC ten (10) stations out of sixteen (16) stations are reporting parallelly to NERLDC Shillong and NERLDC Guwahati.

We request POWERGRID-NERTS to kindly extend further support to configure rest six (0) stations to enable them to report to NERLDC Shillong and NERLDC Guwahati. The status is tabulated below:

Sl. No.	Sub-station	Configuration required	Completion status	Bottleneck/issues faced
1	Misa	Creation of a new IEC-104 in the GE SAS Gateway. Or Alternatively old IEC-101 can be attempted to restore.	Pending	OEM support is required for Creation of new IEC-104 in the GE SAS Gateway Or Alternatively old IEC-101 can be attempted to restore.
2	Mokokchung	Creation of a new IEC-104 in the SAS Gateway.	Pending	OEM support is required for Creation of new IEC-104 in the GE SAS Gateway
3	Salakati	Network reconfiguration of D400 gateway-2 for RLDC	Pending	OEM support is required for netwrok reconfiguration of one of the Gateways.
4	Silchar	Creation of a new IEC-104 in the GE SAS Gateway.	Pending	OEM support is required for Creation of new IEC-104 in the GE SAS Gateway

5	Roing	Network reconfiguration of One of SAS Gateway and router (post OPGW link completion).	Partially Completed	Only one Gateway is reporting at a time.
6	Tezu	Network reconfiguration of One of SAS Gateway and router (post OPGW link completion).	Partially Completed	Only one Gateway is reporting at a time.

The requests emails were sent to POWERGRID on 24th June 2025 and 16th July 2025.

POWERGRID is requested to provide an update on the current status of these actions.

In the 31st NETeST meeting, POWERGRID informed the forum that, reconfiguration work has been started in a station where port is available and in the event of non-availability of the ports, SAS upgradation shall be required which shall involve cost implication.

POWERGRID may update the status.

3.12. Consolidated list of Circuit Breaker and Isolator for all utilities (as per agenda 3.5 in 31st 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 3.12 for reference.

Members may note.

3.13. Connectivity of 132 kV Hastingmari – Ampati link with existing OPGW network of NER (as per Agenda 3.9 of 31st 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	M/s Sterlite (supply), MePTCL (patching & KLM)	2-3 days after receipt of material

		and ABB FOTE within 2 days after receipt of material. Extend the KLM to Agia substation.		
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.

As per 31st NETest meeting, the SAS reconfiguration at Hastingmari is required in order to telemeter the data from Hatsignmari SAS to SLDC Assam.

SLDC Assam assured the forum that they will configure and integrate 132kV Hatsingimari S/s SAS over IEC-104 by end of April 2025.

AEGCL/SLDC Assam may update the status.

3.14. Missing link OPGW in 132 kV Karong-Kohima line (as per Agenda 3.12 of 31st 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.

In 31st NETeST meeting, DOP-Nagaland apprised the forum that they will submit a separate DPR for Mao-Kohima link for PSDF funding as the same was not included in the State Reliable Communication Scheme for Nagaland which has been recently approved by PSDF.

DoP-Nagaland may update the Status.

The proposed link connection is shown below:

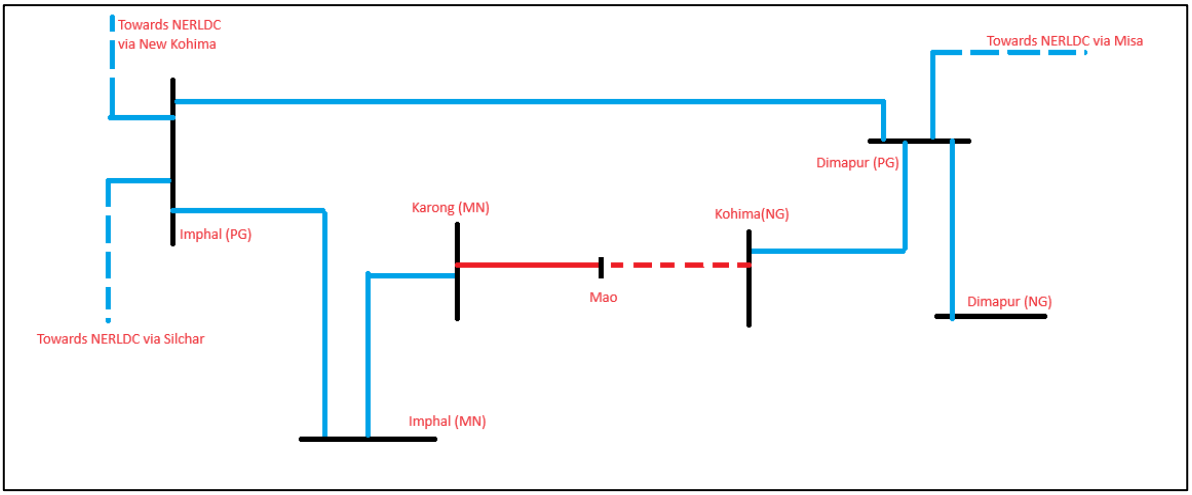


Figure 1: Connectivity Depicting Karong-Kohima

3.15. Feeble condition of State-Estimator of NERLDC SCADA system due to low availability of Real-time Telemetry. (as per Agenda 3.1 of 31st 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 3.15.

All states are requested to update the progress and status.

3.16. Non reporting of Deemed ISTS stations (as per Agenda 3.15 of 31st 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 as per 31st NETeST**
132 kV Dharmanagar (TPTL)	132 kV Dullavcheera	Tripura updated the forum that FOTE commissioning under NERPSIP project at 132kV Dharmanagar is still pending. NERPSIP-POWERGRID informed that the same will be completed by end of April 2025.
132 kV Tipaimukh (MSPCL)	132 kV Aizawl (PG)	ULDC-Powergrid mentioned that OPGW link between Aizawl and Tipaimukh is yet to be completed due to the prevailing situation of unrest in Manipur leading to withdrawal of manpower from construction sites. ULDC-Powergrid also requested MS, NERPC to take up with Ministry/ appropriate state authority for deployment of security

		forces protection in order to enable work completion.

TSECL and MSPCL may update the status.

3.17. Connectivity of 132 kV Roing, Tezu and Namsai on OPGW (as per Agenda 3.16 of 31st 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.

In 31st NETeST meeting, NERPSIP-POWERGRID apprised the forum that Rupai - Chapakhowa link will be restored within 15 days i.e., by 20th April 2025.

ULDC-POWERGRID and NERPSIP-POWERGRID may update the status.

3.18. 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 3.17 of 31st 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.

NERLDC has received reports from DoP-Nagaland and PE&D-Mizoram.

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

3.19. Status of State reliable communication scheme (Agenda 3.20 of 31st NETeST Meeting)

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.

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 31st NETeST**
Arunachal Pradesh	DoP-Arunchal Pradesh – Representative not available
Assam	DPR submitted to PSDF on March 2025.
Manipur	MSPCL – representative not available
Meghalaya	MePTCL submitted the DPR to PSDF on 11th March 2025
Mizoram	PE&D, Mizoram informed as per request from TESG revised DPR is being prepared. To be submitted by end of April 2025.
Nagaland	DoP, Nagaland informed the scheme has been recently sanctioned by 24th Meeting of the Monitoring Committee of PSDF.
Tripura	TPTL informed that they will revised the DPR with a new rate reference and submit to PSDF.

States are requested to provide latest status of the DPR.

3.20. Implementation of Guwahati Islanding Scheme (Agenda 3.21 of 31st 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.

In the 31st NETeST meeting, AEGCL/SLDC Assam informed that response from PSDF is still awaited. As per 29th TCC/NERPC Representative of Assam informed forum that on 7th July-2025 TESG has approved the funding for the Guwahati Islanding Scheme. Further He apprised the forum that TESG has not approved the funding for the Optical Fiber communication link.

Status may be updated.

3.21. Non-availability of real-time data pertaining to POWERGRID-owned bays installed at AEGCL-owned stations (Agenda 3.22 of 31st NETeST Meeting)

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

a) Silchar bays installed at Srikona station isolator data since 28th Nov - 2022.
b) Silchar bays installed at Hailakandi.
c) 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	Latest status (as per 31st NETeST meeting)
1.	Silchar bays installed at Srikona station	ULDC-NERTS informed that CMR has been handed over to Assam. Wiring to be executed by Assam.
2.	Silchar bays installed at Hailakandi.	ULDC-NERTS informed that there is gateway issue at Hailakandi
3.	132 kV BNC HVDC bays at Pavoi S/s.	ULDC-NERTS informed that wiring work has been completed and reconfiguration at RTU needs to be done by Assam

Powergrid may update.

3.22. Restoration of OPGW owned by Manipur (Agenda 3.23 of 31st 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.

In the 31st NETeST meeting, POWERGRID-ULDC informed that matter has been taken up internally by MSPCL for restoration of the OPGW link

POWERGRID-ULDC & MSPCL may update the Status may update.

3.23. Connectivity of NERLDC Guwahati with Sarusajai and Umiam bypassing Kahilipara for its redundancy. (Agenda 3.18 of 31st 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.

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).

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).

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.

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 31st NETeST meeting, Meghalaya (MeECL) informed they have shared the CEA guidelines of Fibre Sharing with their Board, and the approval of the board for the above links is still awaited and they will update the status on board approval over mail as soon as it is available. ULDC-Powergrid mentioned that as per approval of 26th NCT (MoM 4.10) meeting, all the links mentioned in point a,b,c is under tendering phase.

ULDC-POWERGRID and Meghalaya may update the status.

3.24. Establishment of redundant fibre path between NERLDC Shillong and NEHU for reliability of power system communication link till RLDC. (Agenda 3.24 of 31st NETeST Meeting)

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

1. 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.

2. 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.

In the 31st NETeST meeting, Meghalaya (MeECL) informed they have shared the CEA guidelines of Fibre Sharing with their Board, and the approval of the board for the above links is still awaited and they will update the status on board approval over mail as soon as it is available. ULDC-Powergrid mentioned that as per approval of 26th NCT (MoM 4.10) meeting, all the links mentioned in point a,b,c is under tendering phase.

ULDC-POWERGRID and Meghalaya may update the status.

3.25. Status of Fiber-Optic works under different projects (Agenda 3.25 of 31st NETeST Meeting)

S. No.	Link name	Utilities which may respond	As per 31st NETeST
I. Fiber Optic Expansion Projects			
Meghalaya State Sector			
1	132kV NEHU - NEIGRIMS	POWERGRID-NERTS	No response has been obtained from original vendor. ULDC-NERTS is trying to Partially off load the contract, so that pending work can be assigned to new contractor.
Central Sector			
2	400kV Bongaigaon (PG) - 220kV Salakati - 220kV BTPS	POWERGRID-NERTS	No response has been obtained from original vendor. ULDC-NERTS is trying to Partially off load the contract, so that pending work can be assigned to new contractor.
3	400kV Mirza (Azara) – Byrnihat (Killing)		No response has been obtained from original vendor. ULDC-NERTS is trying to Partially off load the contract, so that pending work can be assigned to new contractor.

4	400kV Silchar – Palatana		No response has been obtained from original vendor. ULDC-NERTS is trying to Partially off load the contract, so that pending work can be assigned to new contractor.

Status may be updated.

3.26. Status and details of Fiber-Optic projects approved in 17th TCC/RPC meeting (Agenda 3.26 of 31st NETeST Meeting)

A. Additional Communication Scheme: Status may be provided

Action: POWERGRID-ULDC may update the status.

B. Reliable Communication Scheme:

a. Replacement of existing fibre: Status may be provided

b. Fibre on new lines: Status may be provided

Action: POWERGRID-ULDC may update the status.

3.27. Integration of Dikshi HEP real time data and pending Voice communication (Agenda 3.27 of 31st NETeST Meeting)

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.

In the 31st NETeST meeting, the matter could not be deliberated as representative of DoP-AP was absent.

DoP-AP, Utility is requested to update the status.

3.28. Automatic Generation Control (AGC) in Indian Grid (Agenda 3.28 of 31st NETeST Meeting)

The status is tabulated below:

Station Name	**Background**	**Status as per 31st 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 mentioned that AGC cannot be implemented in STG as it is only slave to GTG. NEEPCO raised the concerned regarding the ramping UP/down for the gas/steam. MS NERPC informed to follow as per discussion with Member Technical CERC and keep the AGC system ready
Doyang	NEEPCO may update the status	Order placed for one unit and will be upgraded during 40days shutdown. After completion of one-unit, subsequent unit will be executed.
Kopili Stage -2	25 MW	NEEPCO yet to decide whether to implement AGC or

Station Name	Background	Status as per 31st NETeST Meeting
		not as the system rating has been revised to 23MW.
Khandong	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	Under progress
Kameng	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	Quotation not yet received from vendor.
Ranganadi (Panyor)	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	Quotation not yet received from vendor.
Pare	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	Upgradation of DCS required. Quotation received from vendor.
RC Nagar	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	NEEPCO mentioned that due to gas shortage 1 module is always in off condition. For rest module, same shall be followed as per discussion with member technical CERC

Station Name	Background	Status as per 31st NETeST Meeting
Palatana	As per new Ancillary Services Regulation 2022, all ISGS plant will be participating in AGC.	OTPC raised the concerned regarding the ramping UP/down for the gas/steam. MS NERPC informed to follow as per discussion with Member Technical CERC and keep the AGC system ready.

Latest status may be updated.

3.29. Pending issues of State Utilities of NER (Agenda 3.29 of 31st NETeST Meeting)

Utility	Pending issues	Status as per 31st NETeST Meeting
Assam	SAS upgradation related works may be updated.	Assam informed upgradation is completed.
Tripura	Dharmanagar	Dharmanagar: delayed due to NH diversion work in PK Bari – Kamalpur section. Inter-patching is required at PK Bari for route diversion. Tripura has requested POWERGRID NERPSIP to provide 50 Mtrs approach cable for expediting the work
	Ambassa	Work in progress.
	Chandel, Churachandpur, Rengpang, Tipaimukh,	Update yet to receive - Representative not available

Manipur	and Yiangangpokpi	
	Hundung, Yurembam, Kakching, Konga and Ningthoukhong	Update yet to receive - Representative not available
	Elangkhangpokpi, Thanlon, 132kV Thoubal, 132 kV Moreh	Update yet to receive - Representative not available
Nagaland	Kiphire	Work in progress.as State reliable scheme has been sanctioned by PSDF
Mizoram	Luangmual	Work in progress.with OEM for rectification
	Zuangtui	Work in progress.with OEM for rectification
	Kolasib	Work in progress.with OEM for rectification
Arunachal Pradesh	VSAT installation and other issues	Update yet to receive. Representative not available

Status may be provided.

3.30. Feasibility to connect Lekhi Substation over Fiber-Optic Network (Agenda 3.30 of 31st 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.

In the 31st NETeST meeting, POWERGRID-ULDC apprised the forum that the FOTE system is now connected with new battery bank, however relocation to new control room is pending. DOP- Arunachal Pradesh representative was absent.

Status may be updated.

Final Standard Operating Procedure (SoP) for Communication System Outage Planning

1. As per the following CEA and CERC Regulations, the Communication Outage for the Region shall be carried out by RPC Secretariat:
   a) Regulation 7.3 of Central Electricity Regulatory Commission (Communication System for inter-State transmission of electricity) Regulations, 2017 stipulates as below:

   Quote:

   7.3 Role of National Power Committee (NPC) and Regional Power Committee (RPC):

   ……

   (iv) 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

   b) Regulation 10 Central Electricity Authority (Technical Standards for Communication System in Power System Operations) Regulations, 2020 notified on 27.02.2020 envisages as below:

   Quote:

   10. Outage Planning: Monthly outage shall be planned and got approved by the owner of communication equipment in the concerned regional power committee, as per detailed procedure finalized by the respective regional power committee.

   Unquote

2. A Communication System Outage Planning Sub-Group/ TeST Sub Committee shall be formed in each region constituting the members from all the entities connected to ISTS including all CGS, ISGS, REGs/SPPDs/SPDs, STUs, SLDCs etc., of the respective Region, RLDC/Grid-India, PGCIL, CTUIL, Private Transmission licensees in respective region & RPC secretariat. The sub-group/ Sub Committee may co-opt any other member from any organization for facilitating the activities of the sub-group/ Sub Committee.

3. 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.

4. Communication Equipment/link within the scope of the Procedure would include :

   (i) Optic Fibre links
   (ii) Any other link being used for ISTS communication
   (iii) ICCP links between Main & Backup RLDCs, Main & Backup SLDCs & Main & Backup NLDC
   (iv) VC links between LDCs
   (v) Inter-regional AGC links
   (vi) SPS Links
   (vii) Tele-Protection
   (viii) AMR
   (ix) PMU
   (x) SDH & PDH
   (xi) DCPC
   (xii) RTU & its CMU cards
   (xiii) DTPCs
   (xiv) Battery Banks and Charging Equipment
   (xv) EPABX
   (xvi) Any other equipment/link agreed by the sub-group

5. A Web Portal named as "Communication System Outage Planning Portal" shall be developed by respective RLDCs. Log-in credentials shall be provided to all the ISTS connected entities/concerned entities.

6. Entities/Users/Owners shall add their communication links and the equipment to the Web Portal as soon as they are commissioned. The same has to be furnished to RPC Secretariat /RLDCs.

7. Entities/Users/Owners of the communication equipment shall upload the outage proposals of communication links and the equipment (in the prescribed format only) to be availed during subsequent month by 7th/8th of every month in the Web Portal.

8. RPC Secretariat consolidates the list of outage proposals received from various Entities/Users/Owners of the communication links and equipment by downloading from the Web portal and circulate the same among all the respective region entities by 15th of every month. Communication outages affecting other regions would be coordinated by respective RLDC through NLDC.

9. 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.

10. The approved outages of Communication links and equipment in the CSOP meeting shall be published in the RPC website and respective RPCs Communication Outage Portal within 3 days from the date of CSOP meeting.

11. Outage of the approved communication links and equipment shall be availed by the respective owner /entities after confirming the same with RLDC on D-3 basis.

12. 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.

13. Entities/Users/Owners shall take the code from the respective RLDC before availing the planned outage of the communication links & equipment and before restoration of the same.

14. Entities/Users/Owners of the communication links and equipment shall submit the deviation report for the approved outages (approved dates & approved period) availed during the previous month and the report on planned / forced / other outage of communication links / equipment by 10th of the month to RPC Secretariat as per the format at **Annexure-I** .

15. In the monthly CSOP meetings, communication links and equipment whose outage duration (Planned / Forced / Others) more than 48 hours for the last 12 months of rolling period shall be deliberated for the measures to be taken in future for the better outage management. The date deviations and non-availing the outages that were approved in the previous CSOP meetings shall also be deliberated in the CSOP meetings.

***

Annexure: DCOA-I

Outage Deviation Report : List of outages of Communication Links, availed / deviated during the month of June, 2021

Dated :

A Details of Communication Links (Point to Point) availed :

SL	Name of Requesting Agency	Description of Link	Source	Destination	Channel Routing	Ownership	Reason for availing outage with the details of equipment attended	Approved Start Date : Time [dd-mm-yy<>hh:mm]	Approved End Date : Time [dd-mm-yy<>hh:mm]	Approved Outage Hours	Outage availed Start Date : Time [dd-mm-yy<>hh:mm]	Outage availed End Date : Time [dd-mm-yy<>hh:mm]	Total hours of outage availed now	Deviation ? (Y/N)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	**Example**	Back up Control Center (BCC) : Data	KAYATHAR 230 kV SS	MADURAI LDC	Data will be availble throu	TANTRANSCO	Shifting of FODB panel at Kayathar 230 KV SS	10-Mar-2021 09:00	10-Mar-2021 18:00	**09:00**	10-Mar-2021 14:07	10-Mar-2021 17:30	**03:23**	**N**

Annexure: DCOA-II

Outage Deviation Report : List of outages of Communication Equipment availed / deviated during the month of June, 2021

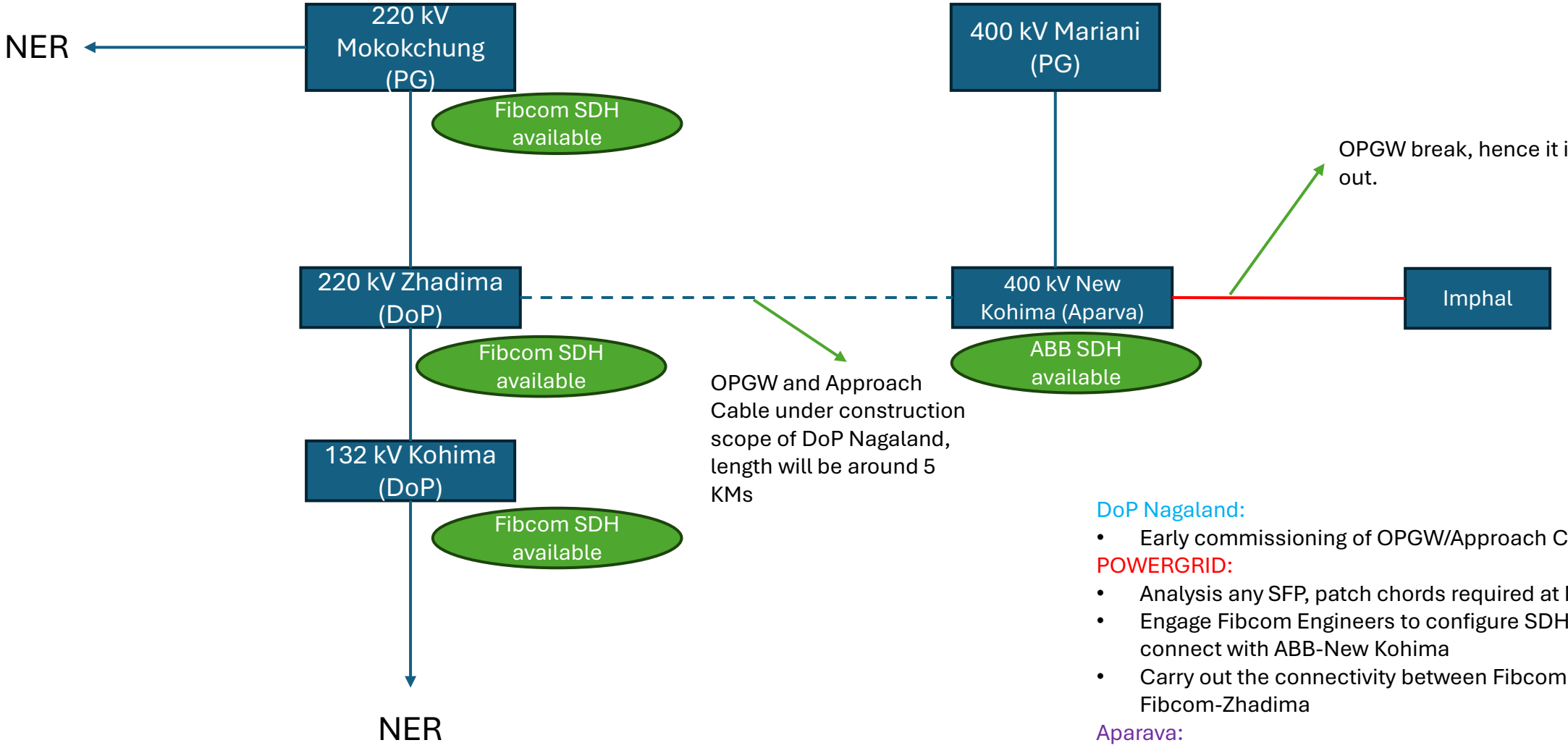
Dated : 00:00

B Details of Communication Equipment availed :

SL	Name of Requesting Agency	Name of the communication equipment	Location of the Equipment / Name of Station	Name of the Link/Channel/Path / directions affected	Alternate Channel/Path available ? (Furnish details)	Ownership	Reason for availing outage with the details of faults	Approved Start Date : Time [dd-mm-yy<>hh:mm]	Approved End Date : Time [dd-mm-yy<>hh:mm]	Approved Outage Hours	Outage availed Start Date : Time [dd-mm-yy<>hh:mm]	Outage availed End Date : Time[dd-mm-yy<>hh:mm]	Total hours of outage availed now	Deviation ? (Y/N)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	**Example**	DC Charger -2, Amararaja, 48v	Edamon	Nil	Nil	KSEBL	Monthly maintenance. No interruption as alternate chargers available	16-Mar-21, 11:00	16-Mar-21, 16:00	**05:00**	16-Mar-21, 10:30	16-Mar-21, 16:00	**05:30**	Y

Annexure A4: Proposed Connectivity of 400 kV New Kohima (Aparva) with 220 kV Zhadima (DoP, Nagaland)

Annexure B 2.6



DoP Nagaland:

- Early commissioning of OPGW/Approach Cable along with line.

POWERGRID:

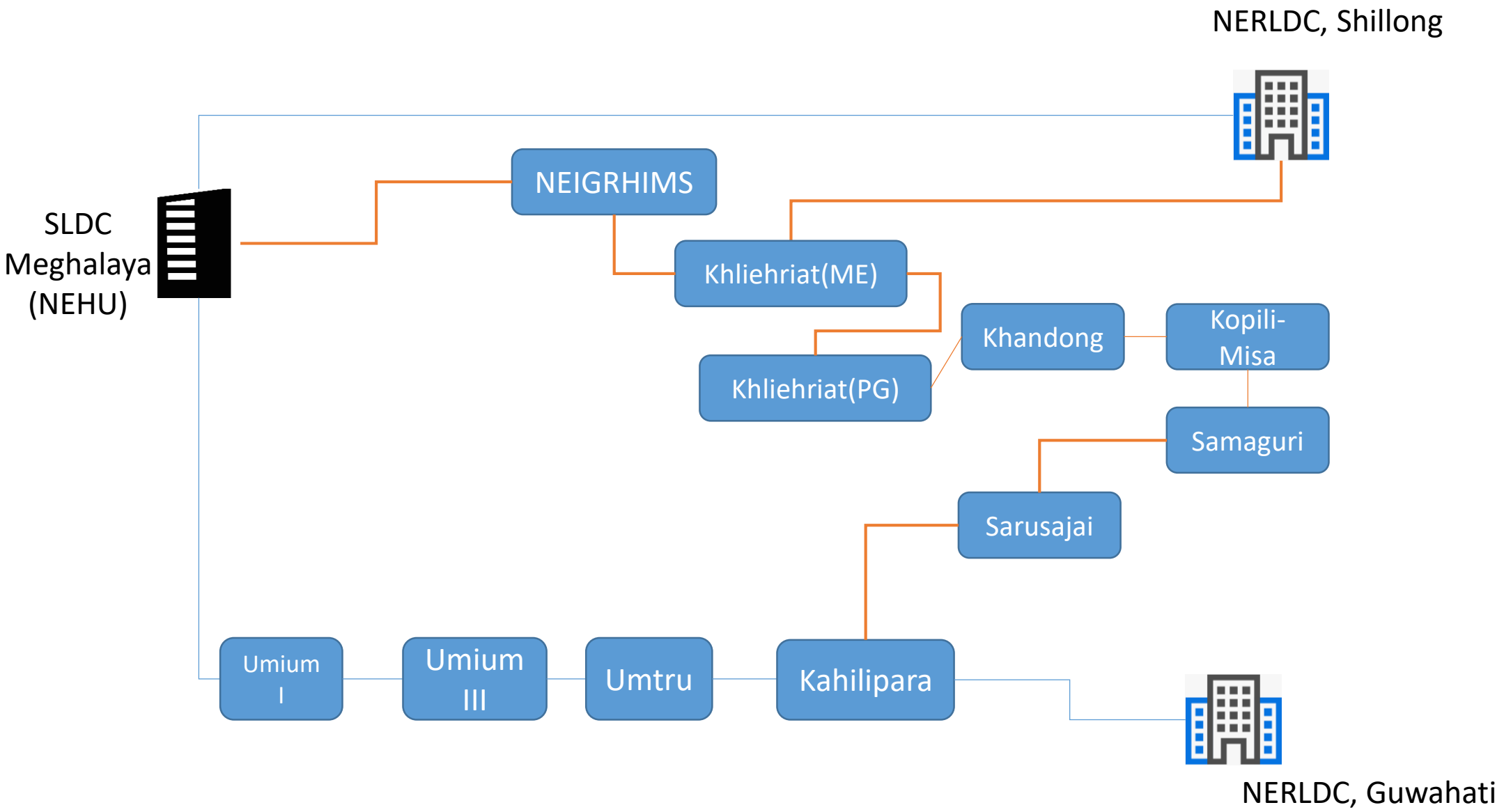
- Analysis any SFP, patch chords required at New Kohima end
- Engage Fibcom Engineers to configure SDH at Zhadima in order to connect with ABB-New Kohima
- Carry out the connectivity between Fibcom-Mokokchung and Fibcom-Zhadima

Aparava:

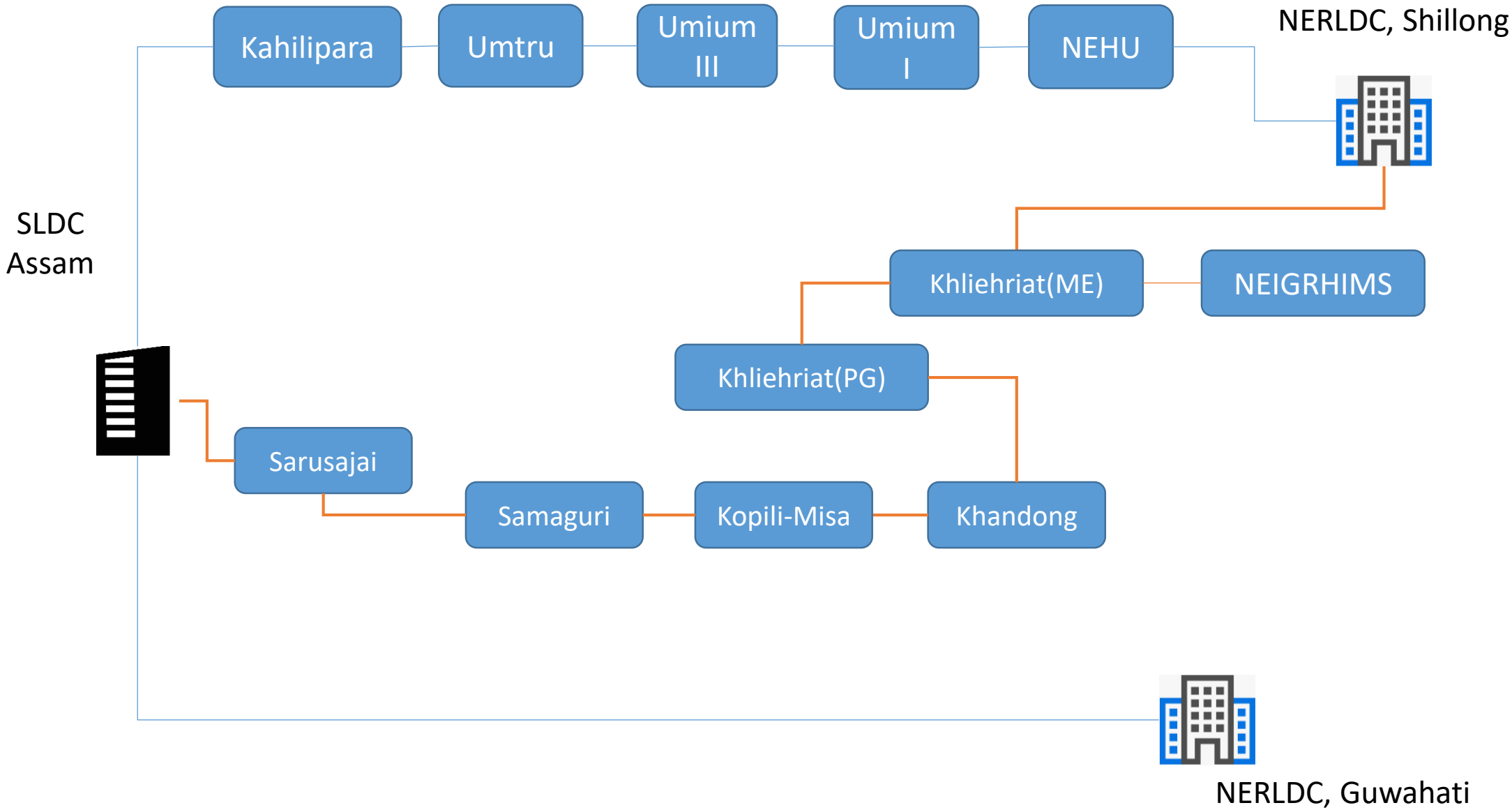
- Analysis any SFP, patch chords required at New Kohima end
- Engage ABB/Hitachi Engineers to configure SDH at New Kohima to connect Fibcom-Zhadima

Connection between NERLDC to SLDC, Meghalaya

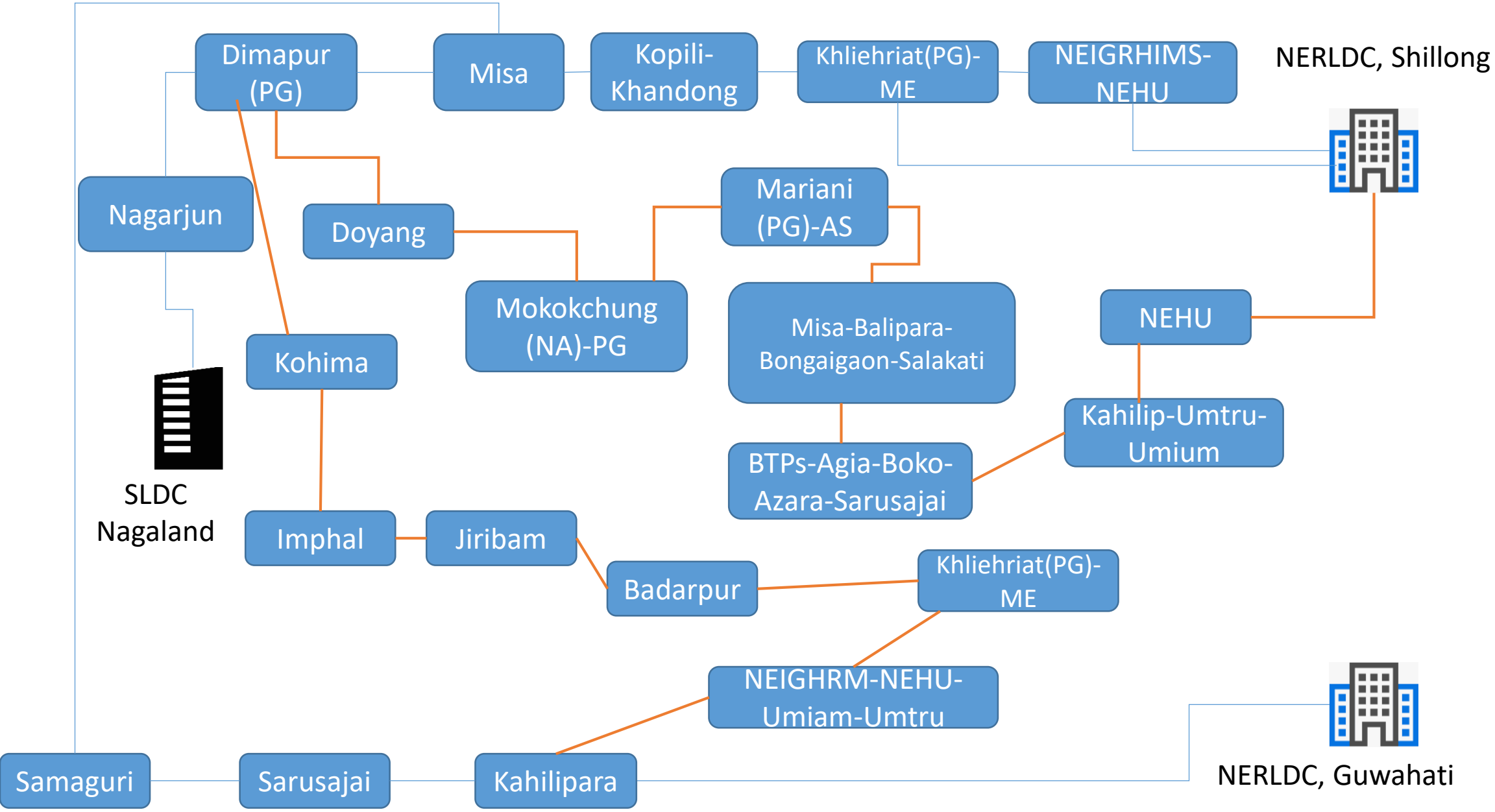
Annexure C 3.9



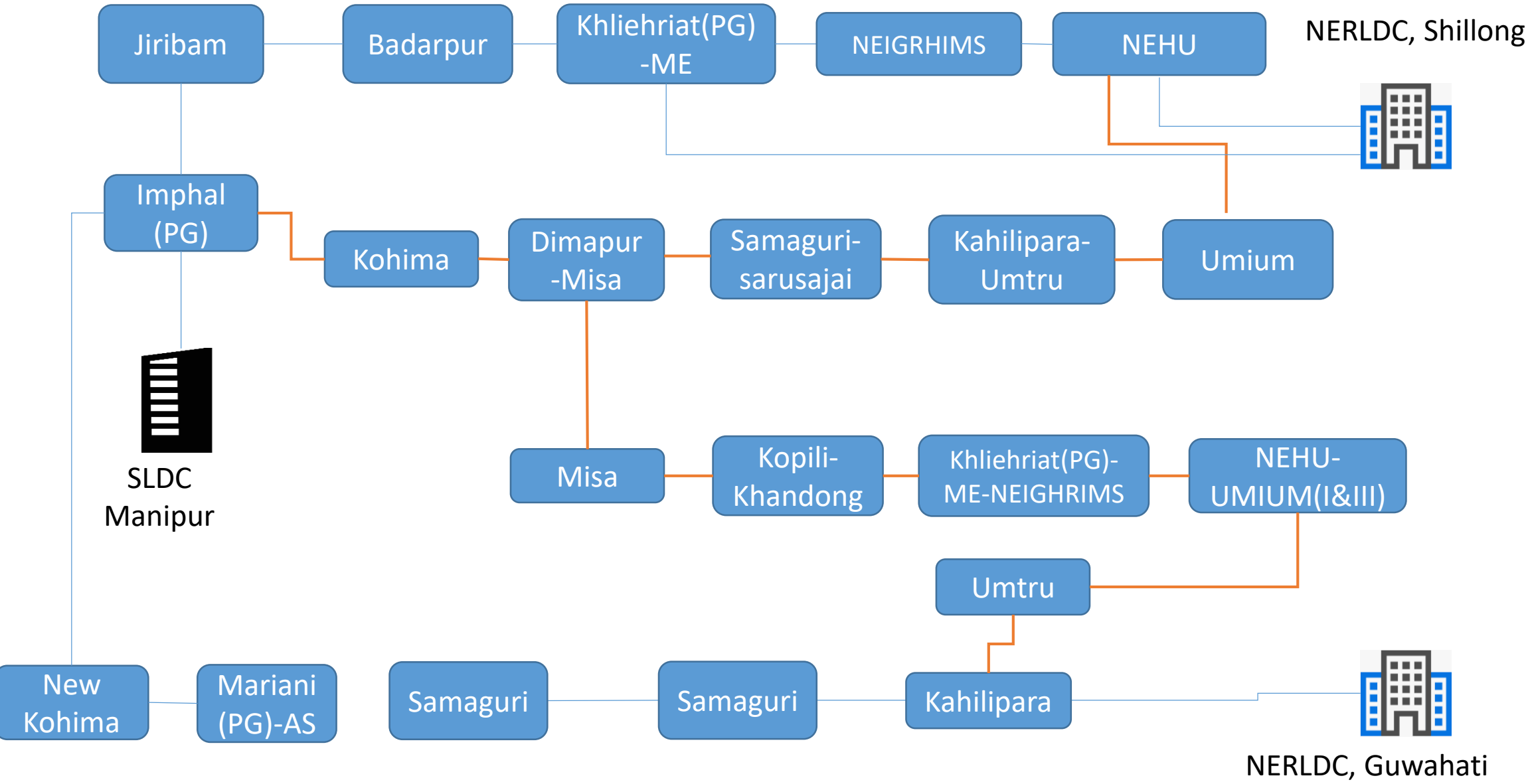
Connection between NERLDC to SLDC, Assam



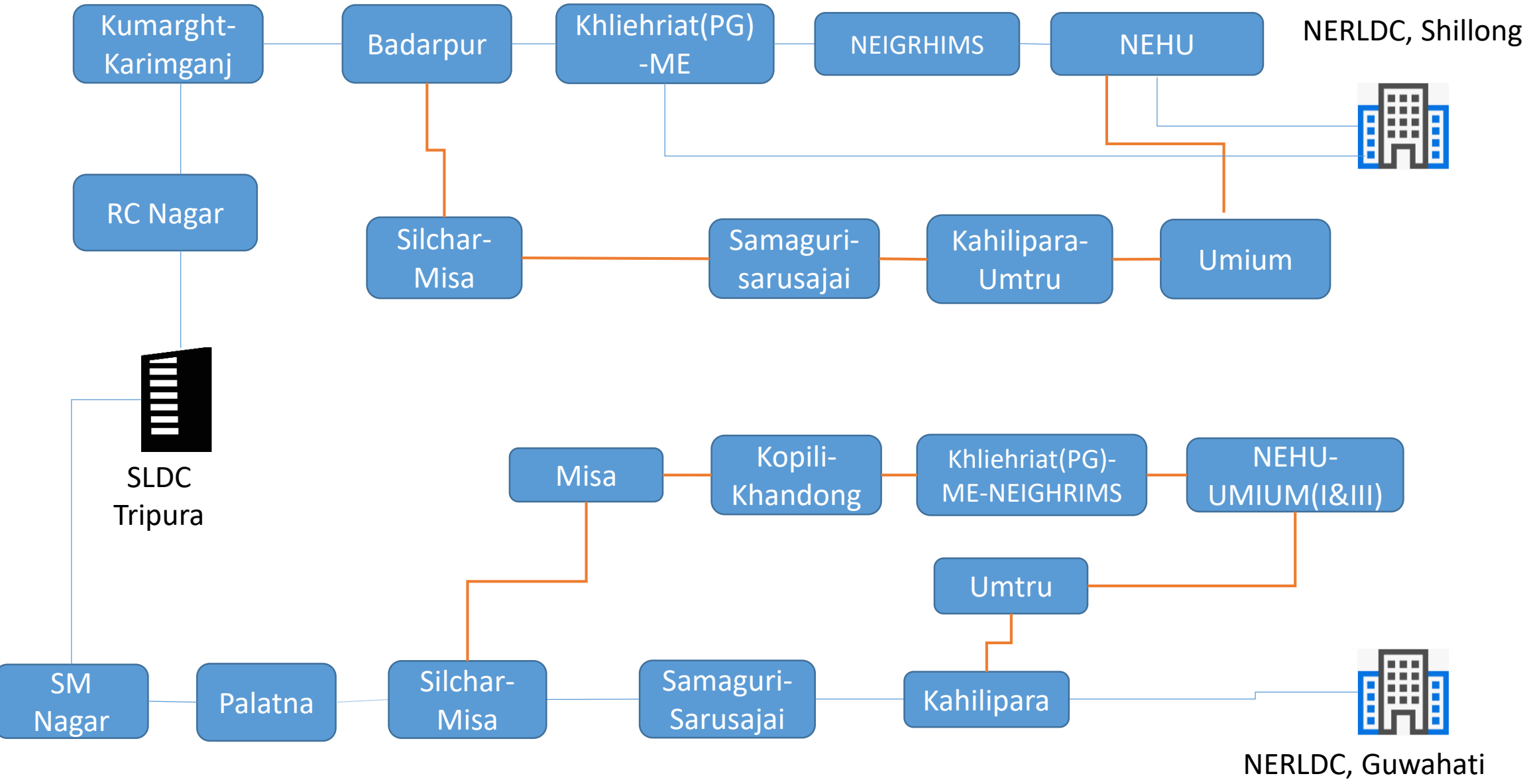
Connection between NERLDC to SLDC, Nagaland



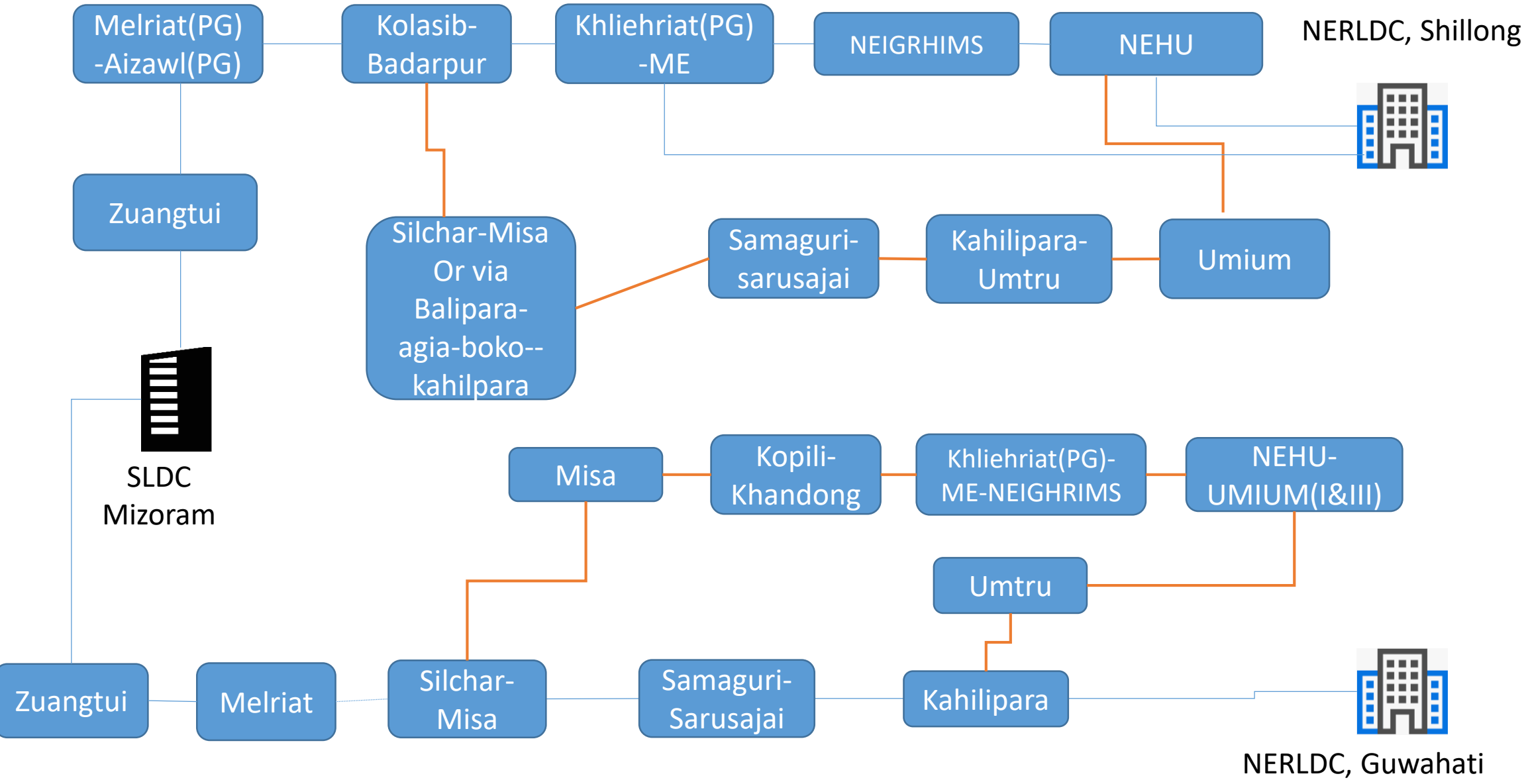
Connection between NERLDC to SLDC, Manipur



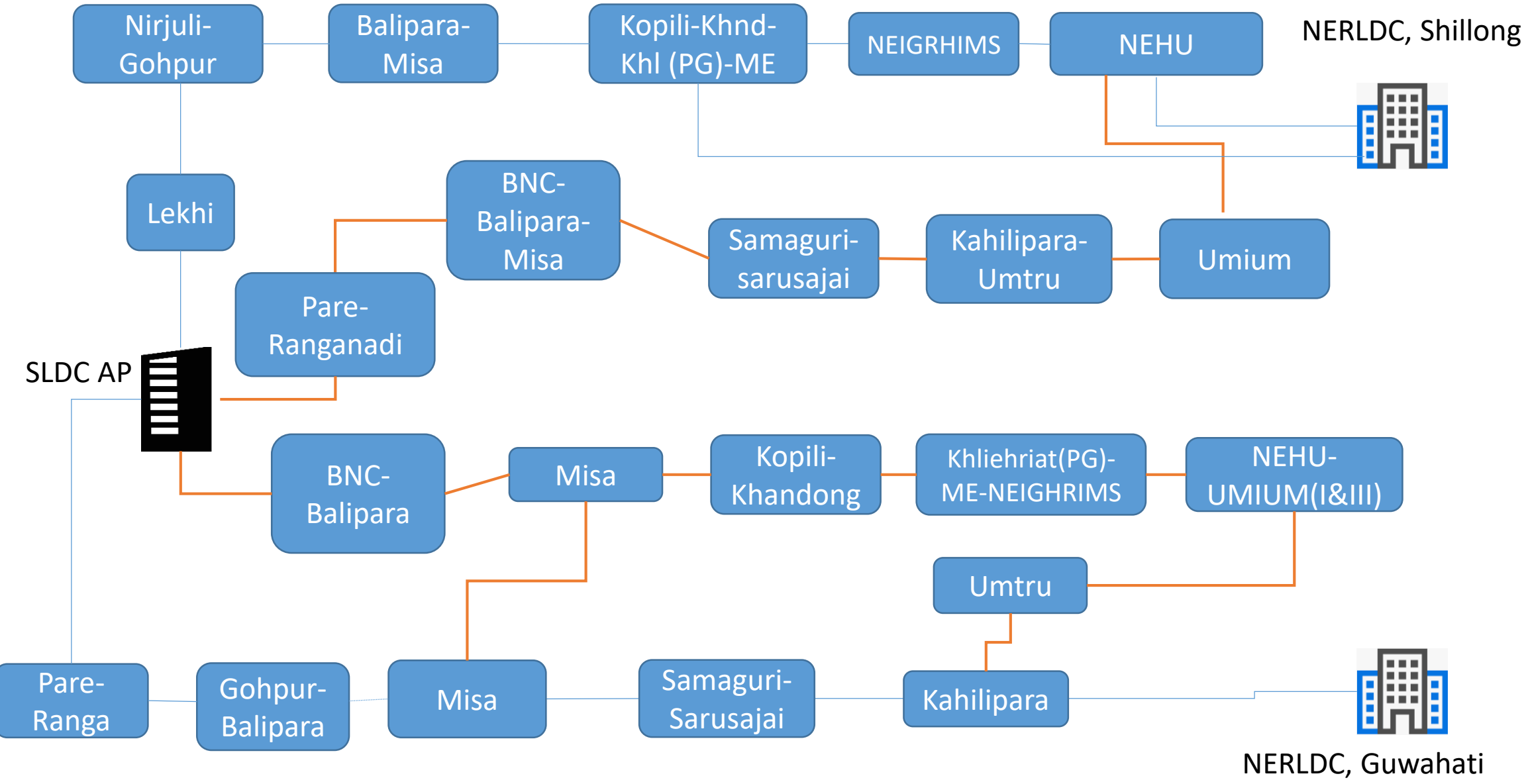
Connection between NERLDC to SLDC, Tripura



Connection between NERLDC to SLDC,Mizoram



Connection between NERLDC to SLDC,Arunachal Pradesh



ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[Formerly Power System Operation Corporation Limited (POSOCO)]
उत्तर पूर्वी क्षेत्रीय भार प्रेषण केंद्र/ North Eastern Regional Load Despatch Centre
कार्यालय: लोअर नोंगराह, लापालांग, शिलांग- 793006 (मेघालय)
Office: Lower Nongrah, Lapalang, Shillong- 793006 (Meghalaya)
CIN:U40105DL2009GOI188682, Website: www.nerldc.in, E-mail: nerldc@grid-india.in,Tel:0364-2537470/427,Fax:03642537486

Ref No: NERLDC/SL/SCADA/F/050/ **दिनांक/Date:05.08.2025**

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 (28.07.2025-03.08.2025) 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 (28.07.2025-03.08.2025).

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
सौगातों 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 04.08.2025)

A. Urgent/Important Issues of North Eastern Region :

1. Doyang to NERLDC Guwahati Communication Link is down.
2. Kopili to NERLDC Guwahati Communication Link is down.
3. New Kohima to NERLDC Shillong via Imphal link is down since June 2024.

B. Status of upcoming projects

Name of new element	Owner	Rating	Expected date of commissioning	Status of voice communication and telemetry data
Subansiri	**NHPC**	**2000 MW**	**July-2025**	**Yet to Establish**

C. Voice communication Status / Failure

a. **Voice Communication**: ULDC phones are not working at the following location.
   1. Doyang: 23640219

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	22	23	**Note:** Refer ***Annexure-I*** for details
2.	नीपको/NEEPCO	09	09	09	• Dedicated Standby data Channel yet to be established for Pare HEP. **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.	इंडीग्रिड/Indigrid	02	02	02	**Note:** Refer ***Annexure-I*** for details
8.	स्टरलाइट/STERLITE	01	01	01	**Note:** Refer ***Annexure-I*** for details
9.	असम/ASSAM	89	75	69	**Note:** Refer ***Annexure-II*** for details
10.	मेघालय/MEGHALAYA	32	29	31	• Digital Input status in majority of the stations not telemetered. • Tap position status in majority of the stations not telemetered. • Redundant communication path not available in majority of the stations. **Note:** Refer ***Annexure-III*** for details

Sl No.	संघटक / Utilities	Total No.of RTU	No. of RTU reporting last week	No.of RTU reporting	Other remarks
11.	त्रिपुरा/TRIPURA	27	11	13	• 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
12.	मणिपुर/MANIPUR	17	05	04	**Note:** Refer ***Annexure-V*** for details
13.	मिज़ोरम/MIZORAM	14	06	03	• 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
14.	नागालैंड'/NAGALAND	19	11	10	• 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
15.	अरुणाचल प्रदेश/ARUNACHAL PRADESH	17	10	10	• 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/Indigrid/ MePTCL/ AEGCL/ TSECL/ MSPCL/ P&ED Mizoram/ DoP-Nagaland/ DoP-Arunachal Pradesh) may please see relevant annexures enclosed.

Prepared By:
सुबल दास/ Subal Das
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 04.08.2025,)**

RTUs of ISGS/ISTS:

Sl. No.	आर टी यू / RTU	स्वामित्व / OWNER	Time	अनैलॉग/ ANALOG	डिजिटल / DIGITAL
1.	आइज़ोल /**AIZAWL**	PG	10:34	All analog data are available.	Following digital data not available: • Master trip relay 86A/B of 20 MVAR Reactor.
2.	बदरपुर /**BADARPUR**	PG	10:35	All analog data are available.	Following digital data not available: • Master trip relay 86A/B of Silchar-1 & 2.
3.	बालीपारा /**BALIPARA**	PG	10:37	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 & CB is in between status. • BNC 1 Tie Bay Isolators & CB are showing replaced. • 400/220/33Kv ICT-2 Main bay CB replaced status. • 220/132 KV T2 line isolator on LV side showing replaced. • Bus -2 isolator of Kameng-1 showing replaced. • Line isolator of BNC 3 showing replaced. • 400/220 KV ICT-1 Tertiary side isolators showing replaced. • Bongaigaon-1, 2 & 3 reactor side isolators showing replaced. • 125 MVAR Bus-1 Reactor isolators. • Master trip relay 86A/B of 220/132 KV T1 & T2.
4.	बोंगाईगांव/**BONGAIGAON**	PG	10:39	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 replaced. • Bus-1 & line Isolator of Balipara-3 PG replaced. • Bus-2 & line Isolators of 400Kv Alipurduar-1 line replaced. • Reactor side isolators showing replaced & CB showing in between status.

Sl. No.	आर टी यू / RTU	स्वामित्व / OWNER	Time	अनैलॉग/ ANALOG	डिजिटल / DIGITAL
					• Line isolator for Balipara-4 is suspect.
5.	बीटीपीएस/ **BGTPP (BTPS)**	NTPC	10:40	Following analog data not available: • Bus-3 Hz.	Following digital data not available: • Unit-2 AVR is suspect.
6.	बिस्वानाथ चरियाली **/BISWANATH CHARIALI (HVDC)**	PG	10:41	Following analog data not available: • Tap position of Pole converter Transformer 1 & 2.	Following digital data not available: • Master Trip Relay of 86A/86B Ranganadi 1 & 2, Balipara 1, 2, 3 & 4 Line. • Main CB Subansiri-2. • Master Trip Relay of BNC (AS) -1&2. • Pole-1 line isolator.
7.	दीमापुर **/DIMAPUR**	PG	10:42	All analog data are available.	All digital data are available.
8.	दोयांग **/DOYANG**	NEEPCO	10:43	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. • Line isolator of Mokokchung is replaced.
9.	हाफलोंग **/HAFLONG**	PG	10:43	All analog data are available.	All digital data are available.
10.	इम्फ़ाल **/IMPHAL**	PG	11:05	Following analog data not available: • 132 KV AIS Bus-1 Hz.	Following digital data not available: • Thoubal-1 Main Isolator. • 132 KV bus coupler isolator D_04_B2 is suspect.
11.	इटानगर **/ITANAGAR**	PG	10:44	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.	जिरीबाम **/JIRIBAM**	PG	10:44	All analog data are available.	Following digital data not available: • Master trip relay 86A/86B of Tipaimukh.
13.	कुमारघाट **/KUMARGHAT**	PG	10:45	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.	ख्लीहरियट **/KHLEIHRIAT**	PG	10:45	All analog data are available.	All digital data are available.

Sl. No.	आर टी यू / RTU	स्वामित्व / OWNER	Time	अनैलॉग/ ANALOG	डिजिटल / DIGITAL
15.	खांडोंग /**KHANDONG**	NEEPCO	10:46	All analog data are available.	Following digital data not available: • Master trip relay 86A or 86B of Kopli Stage-II. • Kopili St-2 Unit AGC Loc/Remote is suspect.
16. `	कोपिली/**KOPILI**	NEEPCO/ PG	10:46	All analog data are available.	All digital data are available.
17.	कठलगुरी /**KATHALGURI**	NEEPCO	10:47	Following analog data not available: • Tap position of all ICT-1 and ICT-2.	All digital data are available.
18.	लोकटक /**LOKTAK**	NHPC	10:48	Following analog data is incorrect: •Weather data reporting is incorrect.	Following digital data is incorrect: • Imphal PG Bus isolators
19.	मरियानी /**MARIANI**	PG	10:48	All analog data are available.	All digital data are reporting.
20.	मिसा /**MISA**	PG	10:50	Following analog data 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-2 Bus isolator. • Main CB of ICT-1 (400/220/132 KV) shows in between status.
21.	मेलरियट /**MELRIAT**	PG	10:50	All analog data are available.	All digital data are available.
22.	मोकोकचुंग/ **MOKOKCHUNG**	PG	10:51	Following analog data not available: • Tap Position of all ICTs.	All digital data are available.
23.	नमसाई /**NAMSAI**	PG	10:52	Following analog data not available: • Tap Position of all 132/33 KV ICTs. • Weather parameters	Following digital data not available: • Master trip relay 86A/86B of Kathalguri-1.
24.	पलाटना /**PALATANA**	OTPC	10:53	Following analog data not available: • UDAIP_TE MW replaced.	All digital data are available.
25.	पारे /**PARE**	NEEPCO	10:54	Following analog data not available: • Tap position of all ICT-1.	All digital data are available.
26.	पनयोर (रंगानदी)/**PANYOR (RANGANADI)**	NEEPCO	10:54	Following analog data not available: • Tap position of all ICTs.	Following digital data not available:

Sl. No.	आर टी यू / RTU	स्वामित्व / OWNER	Time	अनैलॉग/ ANALOG	डिजिटल / DIGITAL
				• 400 KV Bus-1 Hz.	• Reactor Isolator data of 400kV 80MVAR BR showing replaced.
27.	आर सी नगर (एजीटीसीसीपीपी) /**RC NAGAR (AGTCCPP)**	NEEPCO	10:55	Following analog data not available: • Tap position of ICTs.	Following digital data not available: • 89 L for 132kV Agartala -1, 132kV Agartala-2, 132kV Kumarghat line Isolators showing replaced. • Isolator data of HV side of ICT-1 & 2 showing replaced.
28.	रोइंग /**ROING**	PG	10:55	Following analog data not available: • Tap position of ICTs.	All digital data are available.
29.	सालाकाटी /**SALAKATI**	PG	10:55	Following analog data not available: • Tap position of 220/132 kV ICT-3.	All digital data are available.
30.	सिलचर /**SILCHAR**	PG	10:56	Following analog data not available: • Tap position of ICT-1.	Following digital data are not available: • Master trip relay of ICTs. • Master trip relay of Melriat-1. • Master trip relay of Hailakandi D/C.
31.	तेज़ू /**TEZU**	PG	10:57	All analog data are available.	Following digital data not available: Master trip relay 86A/86B of Roing & Namsai.
32.	ज़ीरो /**ZIRO**	PG	10:59	All analog data are available.	Following digital data are not available: • Main isolator of Yachu-1 showing replaced.
33.	कामेंग /**KAMENG**	NEEPCO	10:59	All analog data are available.	All digital data are available.
34.	न्यू कोहिमा /**NEW KOHIMA**	KMTL	11:00	All analog data are available.	All digital data are available.
35.	पी के बारी /**PK BARI**	Indigrid	11:01	Following analog data not available: • Tap position of ICTs.	Following digital data not available: • Master Trip relay status for Ambassa line. • Tie Bay isolators of Silchar-1 are suspect.
36.	सूरजमनी नगर /**SM NAGAR**	Indigrid	11:01	Following analog data not available: • ICT-1 tap position.	All digital data are available.

Sl. No.	आर टी यू / RTU	स्वामित्व / OWNER	Time	अनैलॉग/ ANALOG	डिजिटल / DIGITAL
37.	**नांगलबिबरा** / NANGAlBIBRA	STERLITE	11:02	Following analog data not available: • Transfer Bus KV & Hz.	All analog data are available.

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 04.08.2025)**

Sl. No.	आर टी यू स्टेशन / RTU STATION	TIME	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	अगिया /**Agia**	11:15	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. • 89B, 89L of 132 kV Mendipather line. • Transfer bus isolator of 132 kV NANGLABIBRA line showing replaced. • 220/132 kV ICT-3 HV side 89B2 & LV side 89B and 89 L isolators.
2.	एम्स /**AIIMS**	11:16	All analog data are available.	Following digital data are not available: • CB status of Kahilipara is incorrect.
3.	अमीनगाँव /**Amingaon**	11:16	Following analog data are not available: • 132 kV Main Bus-2 Hz. • 220 kV Main Bus-2 Hz.	All digital data are reporting.
4.	ए पी एम /**APM**	11:18	Following analog data are not available: • Tap position of all ICT-1. • MW & MVAR of ICT-1 on both HV & LV side. • Bus-1 KV & Hz.	Following digital data are not available: Digital data for ICT-1 are suspect.
5.	अजारा /**Azara**	11:19	Following analog data are not available. • MVAR of Mirza line 1.	Following digital data are not available: • All digital data of Mirza line-1.
6.	मिर्ज़ा /**Mirza**	11:19	Following analog data are not available:	Following digital data are not available:

			• Tap position of all ICTs.	• Bongaigoan Main Bay digital data. • 400/220 kV ICT-1 Main Bay digital data.
7.	बदरपुर/ **Panchgram**	11:20	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available: • Bus-1 isolator of Srikona showing replaced. • ICT-3 LV side isolator showing replaced.
8.	बरपेटा **/Barpeta**	11:20	Following analog data are not available: • Tap position of all T1 &T2.	Following digital data are not available: • LV side CB & Isolator of 132/33kV T1 & T2.
9.	बेहियाटिंग **/Behiating**	11:21	Following analog data are not available: • Tap position of 132/33 kV ICT- 2. • All analog data of 220 KV side.	Following digital data are not available: • LV side CB & Isolator of 220/132kV ICT- 1 & ICT-2. • 132/33 KV Bus coupler digital data. • All digital data of 220 KV side.
10.	बिस्वानाथ चरियाली **/Biswanath chariali**	11:21	Following analog data are not available: • Tap position of 132/33 kV ICT-1. • Bus-1 KV & Hz.	All digital data are reporting.
11.	बोकाजन **/Bokajan**	11:21	Following analog data are not available. • Tap Positions of ICT-1 & 2 are showing negative values.	All digital data are available.
12.	बोकाखाट **/Bokakhat**	11:22	Following analog data are not available. • Tap Positions of ICT-1 & 2 are suspect.	Following digital data are not available: • Bus coupler digital data. • 132kV ICT-1 Main Isolator showing replaced.
13.	बोको **/Boko**	11:22	Following analog data are not available. • Tap Positions of ICTs. • Bus-1 KV & Hz.	Following digital data are not available: • 132 KV Bus coupler digital data. • LV side Bus-1 Isolator of 220/132 KV ICT-2.
14.	बोंगाईगाँव **/Bongaigaon**	11:22	Following analog data are not available. • Tap Positions of both ICT-1.	Following digital data are not available: • Line Isolator of Kokrajhar-2 showing replaced.
15.	बोरदुबी **/Bordubi**	11:23	Following analog data are not available • Tap position of ICT-2. • Railway MW & MVAR.	Following digital data are not available: • 89T isolator of ICT-2.
16.	बोरनगर **/Bornagar**	11:23	All analog data are not available.	All digital data are not available.
17.	चंद्रपुर **/Chandrapur**	11:24	Following analog data are not available:	All digital data are available.

			• ICT-1 Tap position.	
18.	चपाखोवा **/Chapakhowa**	11:24	All analog data are not available.	All digital data are not reporting.
19.	दीपोता (तेज़पुर)/**Depota (Tezpur)**	11:25	Following analog data are not available: • ICTs Tap position. • Main Bus-2 KV & Hz.	Following digital data are not available: • Bus-1 Isolators of ICT-1 & Ghomari are showing replaced. • Bus-2 Isolators of ICT-3 & Dhekiajuli are showing replaced. • LV side isolator of ICT-3 showing replaced. • Isolator D_1_BS is suspect.
20.	ढालीगाँव **/Dhaligaon**	11:25	Following analog data are not available: • Tap position of all ICTs.	All digital data are reporting.
21.	धेमाजी **/Dhemaji**	11:26	Following analog data are not available: • Tap position of all ICT-3. • ICT-3 MW & MVAR on both HV & LV side.	Following digital data are not available: • Bus coupler digital data. • Line & Bus-1 isolators for Lakhi_AS. • ICT-3 all bay digital data. • Line & Bus-2 isolators for ICT-2
22.	डिब्रुगढ़ **/Dibrugarh**	11:27	Following analog data are not available: • Tap position of all ICT-1 shows negative value. • ICT-1 MW & MVAR on both LV & HV side.	Following digital data are not available: • ICT-1 all bay digital data on HV side. • ICTs LV side isolator showing replaced. • Isolator D_03_B1 is suspect. • Bus-1 Isolator for Tinsukia.
23.	दिफू **/Diphu**	11:29	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available: • Bus coupler digital data. • Bus-1 & line isolator for ICT-1 are showing replaced. • Line isolator for Lanka showing replaced.
24.	दिसपुर **/Dispur**	11:29	All analog data are not available.	All digital data are not reporting.
25.	ढेकियाजुली **/Dhekiajuli**	11:30	All analog data are not available.	All digital data are not reporting.
26.	दुल्लव्चेरा **/Dullavchera**	11:30	Following analog data are not available: • Tap position of all ICT-2.	Following digital data are not available: • ICT-2 LV side isolator & CB.
27.	गौरीपुर **/Gauripur**	11:31	All analog data are not available.	All digital data are not available.

28.	गोहपुर **/Gohpur**	11:32	Following analog data not available: • Tap position of ICTs shows negative value.	Following digital data are not available: • ICT-2 HV side bus isolator showing replaced. • North Lakhimpur-1 89B and 89L. • Isolator D_1_BS.
29.	घोरामारी **/Ghoramari**	11:32	All analog data are not available.	All digital data are not reporting.
30.	गोलाघाट **/Golaghat**	11:33	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.
31.	गोसाईगाँव **/Gossaigaon**	11:33	Following analog data are not available: • Tap position of ICT-1. • Capacitor(05 MVAR) MVAR data.	Following digital data are not available: • All digital data of Capacitor.
32.	हाफलोंग **/Haflong**	11:33	Following analog data are not available: • Tap position of ICTs.	All digital data are reporting.
33.	हैलाकांडी **/Hailakandi**	11:34	All analog data are not available.	All digital data are not reporting.
34.	जागीरोड **/Jagiroad**	11:34	All analog data are available.	Following digital data are not available: • Main CBs of Chandrapur & Sonapur-1 are showing replaced. • Bus-1 isolator for ICT-2 & HPC(Load). • Line isolator for Sonapur-1. • Isolator D_1_BS.
35.	जवाहरनगर **/Jawharnagar**	11:35	Following analog data are not available: • Tap position of ICTs. • MW & MVAR of ICTs on LV side. • Bus-1 KV & Hz.	Following digital data are not available: • Bus coupler digital data.
36.	जोरहाट **/Jorhat (Garmur)**	11:35	Following analog data are not available: • Tap position of ICTs.	All digital data are available.
37.	जोरहाट(पश्चिम)**/ Jorhat (West)**	11:36	All analog data are not available.	All digital data are not reporting.
38.	(काहिलीपारा) **/ Kahelipara**	11:37	All analog data are not available.	All digital data are not reporting.
39.	कमलपुर**/Kamalpur**	11:37	Following analog data are not available: • Tap position of ICTs. • ICTs MW & MVAR on both LV & HV side. • MVAR of Amingoan-1 & 2. • Bus-1 KV & Hz.	Following digital data are not available: • ICTs LV side isolator & CB are suspect.

40.	उत्तर लखीमपुर/ **North Lakhimpur**	11:38	Following analog data are not available: • Tap position of ICT-2 shows negative value.	Following digital data are not available: • Bus-1 & Line isolator for ICTs. • Line isolator for Majuli. • Bus-1 isolator for Dhemaji. • ICT-1 LV side isolator is suspect.
41.	लकवा/ **Lakwa**	11:40	Following analog data are not available: • Tap position of all ICTs. • Units 7MW & MVAR on HV side. • 132/3.3 KV ICT-2 MW & MVAR on HV side. • Transfer Bus KV & Hz. • 132/11 KV ICT-1 MW & MVAR on LV side. • Unit 8 MW.	Digital data of most of the bays is either suspect or reporting incorrect status.
42.	कार्बी लंगपी / **Karbi Langpi**	11:41	Following analog data are not available: • Tap position of all ICT-1. • MW of Unit-1 on both LV & HV side.	Following digital data not available: • Bus coupler digital data.
43.	करीमगंज / **Karimganj**	11:42	Following analog data are not available: • Tap position of all ICTs.	All digital data are reporting.
44.	लंका/ **Lanka**	11:45	Following analog data are not available: • Tap position of ICTs shows negative value.	Following digital data not available: • Bus coupler CB shows in between status. • 89B for ICT-1 showing replaced. • 89B & 89T for ICT-2 showing replaced
45.	माजुली / **Majuli**	11:46	Following analog data are not available: • Tap position of all ICT-1.	All digital data are reporting.
46.	मार्घेरिता/ **Margherita**	11:46	Following analog data are not available: • Tap position of all ICTs.	Following digital data not available: • 89B of Tinsukia line.
47.	मरियानी/ **Mariani**	11:47	Following analog data are not available: • Tap position of all ICTs. • Samaguri & NTPS MW & MVAR. • Loknak MW & MVAR.	Following digital data not available: • 220 KV bus coupler bus-1 isolator. • ICT-1 and ICT-2 bay HV and LV side. • 89B1 of Jorhat and 89B2 of Jorhat-2 line.
48.	मोरान / **Moran**	11:47	Following analog data are not available: • Tap position of ICTs shows negative values.	Following digital data not available: • Bus-1 isolator of Lakwa.

49.	मिन्तृयांग 1 / **Myntriang I**	11:47	All analog data are not available.	All digital data are not available.
50.	मिन्तृयांग 2/ **Myntriang II**	11:48	All analog data are not available.	All digital data are not available.
51.	खलोईगाँव/ **Khaloigaon**	11:48	Following analog data are not available: • All ICTs Tap position. • MW & MVAR on LV side of ICT-2. • MVAR of Samaguri-2.	Following digital data are not available: • Bus coupler digital data.
52.	नलबारी / **Nalbari**	11:48	All analog data are not available.	All digital data are not reporting.
53.	एनटीपीएस (नामरुप) / **NTPS (Namrup)**	11:50	Following analog data are not available: • Tap position of all 132 KV ICTs. • Generator-6 HV side MW & MVAR. • 220 KV transfer bus KV & Hz.	Following digital data are not available: • Generator 2, 3, 6 (HV side) CBs. • 132/66 KV ICT-2 CB is suspect. • 220 KV bus coupler CB shows in between status.
54.	नारंगी / **Narangi**	11:51	All analog data are not available.	All digital data are not reporting.
55.	नाज़िरा / **Nazira**	11:51	Following analog data are not available: • Capacitor 1 MVAR.	Following digital data not available: • All 33 kV Capacitor Bank CBs and isolators are suspect & showing replaced. • 89B1 of Lakwa line, 89B1 of ICT-1 bay.
56.	पैलापूल / **Pailapool**	11:52	Following analog data are not available: • Jiribam MVAR.	Following digital data not available: • Jiribam all bay digital data. • 89T of ICT-3.
57.	रंगिया / **Rangia**	11:54	Following analog data are not available: • ICT-2 Tap position shows negative value.	Following digital data not available: • All isolator data for MTNGA(Load). • Isolator D_T2_B2 & LV side digital data for ICT-2.
58.	रंगीया 220 केवी/ **Rangia 220 kV**	11:55	Following analog data are not available: • ICTs Tap position. • MVAR of Amingaon-1 & 2.	Following digital data are not available: • Amingaon-1 & 2 all bay digital data are suspect.
59.	रौता / **Rowta**	11:56	Following analog data are not available: • ICT-1 Tap position show negative value. • Depota MVAR	Following digital data are not available: • Depota all bay digital data. • Dhekhiajuli bay • 89L of Tanga bay • 89B of ICTs.
60.	रुपाई / **Rupai**	11:56	All analog data are available.	All digital data are reporting.

61.	समागुरी / **Samaguri**	11:57	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.	Following digital data are not available: • ICTs LV and HV side digital data. • 89B of Lanka-2 line. • All bay digital data on the Load side.
62.	सरुपाथर / **Sarupathar**	11:57	All analog data are available.	All digital data are reporting.
63.	सरूसजाइ / **Sarusajai**	11:59	Following analog data are not available: • Tap position of all ICTs. • 220/132 KV ICT-3 HV side MW & MVAR.	Following digital data are not available: • 220/132 KV ICT-3 LV side Isolators data & HV side digital data. • 132 KV bus coupler digital data. • 89B isolator of 132/33 KV ICT-3 is not reporting.
64.	सिबसागर / **Sibsagar**	12:00	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available: • 89T isolator of ICT-2 is not reporting.
65.	सीपाझार / **Sipajhar**	12:00	Following analog data are not available: • Tap position of all ICTs.	All digital data are reporting.
66.	शिशुग्राम/ **Sishugram**	12:01	Following analog data are not available: • Tap position of ICT-3 shows negative values.	All isolators' data are not available.
67.	सोनाबिल / **Sonabil**	12:01	Following analog data are not available: • Tap position of ICT-1 & 2.	All digital data are available.
68.	सोनारी / **Sonari**	12:02	Following analog data are not available: • Tap position of ICT-1.	Following digital data are not available: • Lakwa main CB is suspect.
69.	सिलचर / **Silchar**	12:02	Following analog data are not available: • Tap position of all ICT-2 shows negative value.	Following digital data are not available: • All isolators data for Silchar-1 are suspect. • 89L & 89B isolator for Silchar-2.
70.	टंगला / **Tangla**	12:02	Following analog data are not available: • Tap position of ICT-1.	All digital data are available.
71.	टीओक / **Teok**	12:03	Following analog data are not available: • Tap position of ICT-2.	All digital data are reporting.
72.	तेज़पुर / **Tezpur**	12:03	All analog data are not available.	All digital data are not reporting.
73.	तिनसुकिया/ **Tinsukia**	12:04	Following analog data are not available: • Tap position of all 220/132 kV ICTs. • Tap status of 132/33 kV ICT-2.	Following digital data are not available: • 220/132 KV ICT-1 LV side Bus-1 isolator. • Kathalguri-1 Bus-2 isolator showing replaced.

			• 220 KV Bus-1 KV & Hz • Rupai MVAR.	• Behiating-1 & 2 all isolators status showing suspect. • Kathalguri-2 line isolator. • 220 KV bus coupler digital data. • Rupai all bay digital data.
74.	बिलसीपारा/ **Bilasipara**	12:04	Following analog data are not available: • Bus-1 KV & Hz.	Following digital data are not available: • 132 KV Bus coupler (03) CB and Isolator. • Kokrajhar-2 line isolator showing replaced.
75.	कामाख्या/ **Kamakhya**	12:05	All analog data are not available.	All digital data are not reporting.
76.	कोकराझार /**Kokrajhar**	12:06	All analog data are available.	Following digital data are not available: • Bongaigoan-2bay isolators. • Balispara-2 line & bus-2 isolators. • Balispara-1 line isolator.
77.	मटिया / **Matia**	12:06	All analog data are not available.	All digital data are not available.
78.	एनआरपीपी (नामरुप) / **NRPP (Namrup)**	12:06	All analog data are not available.	All digital data are not available.
79.	सोनापुर / **Sonapur**	12:07	Following analog data are not available. • Tap Position of all ICTs.	Following digital data not available: • ICT-2 (132/33 KV) HV side bus isolators showing replaced.
80.	रौता सोलर प्लांट / **Rowta (Azure Solar Plant)**	12:07	All analog data are not available.	All digital data are not reporting.
81.	समागुरी सोलर प्लांट / **Samaguri (Azure Solar Plant)**	12:08	All analog data are not available.	All digital data are not reporting.
82.	बोको सोलर प्लांट / **BOKO (Azure Solar Plant)**	12:08	All analog data are not available.	All digital data are not reporting.
83.	पैलापूल सोलर प्लांट / **Pailapool (Azure Solar Plant)**	12:08	Following analog data are not available. • Tap Position of all ICTs. • 33KV Bus Hz.	Following digital data not available: • All CB status is in between.
84.	पतंजलि सोलर प्लांट / **Patanjali (RE Solar)**	12:09	All analog data are not available.	All digital data are not reporting.
85.	जैकसन सोलर प्लांट / **Jackson (RE Solar)**	12:10	Following analog data are not available: • MW of T4, T5, T7, T8, T9, T10.	Following digital data are not available: • CB A_25 & A_26 are in between status. • Bus isolators for T8 & T6 are showing garbage.

86.	महेश्वरी सोलर प्लांट / **Maheswari (RE Solar)**	12:11	Following analog data are not available: • Tap position of ICT. • Weather parameters.	All digital data are reporting.
87.	**Star Cement SNPR**	12:11	Following analog data are not available: • Tap position of ICT.	All digital data are reporting.
88.	**Umrangsho**	12:12	Following analog data are not available: • Tap position of ICT-1.	Following digital data are not available: • LV side isolators of ICTs.

❖ ***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 (04.08.2025)**

Sl. No.	आर टी यू स्टेशन / RTU STATION	TIME	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	अंपाती / **AMPATI**	15:41	Following analog data are not available: • Tap position of all ICTs. • 132 kV Main Bus & Transfer Bus Hz & KV.	All digital data are available.
2.	अमृत / **AMRIT**	15:42	All analog data are not available.	All digital data are not reporting.
3.	चेरापुंजी / **CHERA_ME**	15:42	Following analog data are not available: • Tap position of ICT-1.	All digital data are available.
4.	एपिप 1 / **EPIP1**	15:43	Following analog data are not available: • Tap position of ICT-1.	Following digital data are not available. • Main CB of EPIP-2 CKT.2 shows in between status.
5.	एपिप 2 / **EPIP2**	15:43	Following analog data are not available: • Tap position of ICT-1.	Following digital data are not available. • New Umtru main bus isolator is suspect. • Umtru-1 & 2 line & bus Isolator are suspect. • Umtru-2 main CB shows in between status. • EPIP-2 CKT.2 line & bus isolators showing replaced. • Bus isolator of ICT-1 showing replaced.
6.	गानोल / **GANOL**	15:44	All analog data are available.	All digital data are available.
7.	आईआईएम / **IIM**	15:44	Following analog data are not available: • Tap position of ICT-1.	Following digital data are not available. • Neighrims Main CB showing in between status. • ICT-1 HV side isolator showing replaced.
8.	ख्लेहरियत / **KHIEHRIAT**	15:45	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available. • Kheliriat-1 CB and 89 L status. • Kheliriat-2 Bay isolator status.
9.	किल्लिंग / **KILLING**	15:48	Following analog data are not available: • 400/220 KV ICTs Tap position. • 400 KV bus-2 KV & Hz. • Reactor MVAR.	Following digital data are not available. • Reactor isolator F_04_R is suspect.

			• 132 kV Main Bus KV. • 132 kV Transfer Bus KV & Hz. • 220/132 KV ICT-2 MVAR. • 220 KV Transfer Bus-1 KV & Hz.	• E_10_B1 & E_10_B3 isolator of Mawngap-2 showing replaced. • E_04_B3 isolator for Misa-1 showing replaced.
10.	लेस्का / **LESKA**	15:50	Following analog data are not available: • Tap position of ICT-1. • Mynkre-1 MVAR. • Unit-1 MVAR.	Following digital data are not available. • Isolator D_04_B1 & D_07_T showing replaced.
11.	लुम्श्नोंग / **LUMSHNONG**	15:50	Following analog data are not available: • JUD Load MW & MVAR.	All digital data are reporting.
12.	मावलाई / **MAWLAI**	15:51	Following analog data are not available: • Tap position of ICTs.	Most of the isolators data are showing replaced & suspect.
13.	मव्ङ्गाप / **MAWNGAP**	15:51	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available: • Transfer Bus isolator of Nongstoin showing replaced. • ICTs (132/33 KV) line isolators showing replaced.
14.	मेंडिपाथर / **MENDIPATHAR**	15:52	Following analog data are not available: • Tap position of all ICTs.	All digital data are available.
15.	मूस टेम / **MUSTEM**	15:53	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available: • CBs of all bay are showing replaced.
16.	मव्ल्यंडेप / **Mawlyndep**	15:53	Following analog data are not available: • Tap position of all ICTs.	All digital data are available.
17.	नंगलबिबरा / **NANGALBIBRA**	15:54	Following analog data are not available: • 132KV main Bus KV & Hz. • Tap position of ICT-1. • MW of ICT-1 on both LV & HV side showing replaced.	Following digital data are not available: • Main CB of ICT-1 is showing in between status. • Tie CB of Nongstoin & Mendipathar are showing in between status.
18.	नेहू / **NEHU**	15:55	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available: • Isolator D_03_B2 is suspect. • Mawlyndep main CB show in between status. • ICTs line Isolators showing replaced.
19.	नि ग्रीम्स / **NEIGRIHMS**	15:55	Following analog data are not available: • Tap position of all ICTs.	All digital data are available.
20.	नोंग्सटोन / **NONGSTOIN**	15:56	Following analog data are not available: • Tap position of all ICTs.	Following digital data are not available. • Isolator D_1_IS.
21.	रोंग्खोन / **RONGKHON**	15:57	Following analog data are not available: • Tap position of all ICTs. • MW & MVAR of ICT-4 on both HV & LV side.	Following digital data are not available. • ICT-4 all bay digital data.
22.	ऊमीयम / **UMIAM_ME**	15:58	Following analog data are not available: • Tap position of all ICTs.	All digital data are available.
23.	ऊमीयम 1 / **UMIAM 1**	15:59	All analog data are available.	Following digital data are not available: • Bus coupler CB shows in between status. • Unit-4 CB shows in between status.

				• Umiam main CB shows in between status.
24.	ऊमीयम 2 / **UMIAM 2**	16:00	Following analog data are not available: • 132 KV Main Bus KV.	Following digital data are not available: • Isolator D_51_BY & D51_L are suspect.
25.	ऊमीयम 3 / **UMIAM 3**	16:00	Following analog data are not available: • Tap position of ICT-1. • Unit-1 MW & MVAR.	Following digital data are not available: • Bus coupler CB shows in between status.
26.	ऊमीयम 4 / **UMIAM 4**	16:01	All analog data are available.	Following digital data are not available: • Bus coupler CB & Umtru-1 CB shows in between status.
27.	उमत्रु / **UMTRU**	16:02	All analog data are available.	Most of the digital data are showing replaced & suspect.
28.	न्यू उमत्रु / **NEW UMTRU**	16:03	All analog data are available.	Following digital data are not available: • Main CB of EPIP2 shows in between status.
29.	**GOLDSTONE**	16:04	All analog data are available.	Following digital data are not available: • Unit-1 HV side Isolator is suspect.
30.	**माइनक्रे / Mynkre**	16:04	Following analog data are not available: • Tap position of ICTs.	Following digital data are not available: • Main Bus & line isolators of ICT-1 showing replaced.
31.	**न्यू शिलांग / New Shillong**	16:05	Following analog data are not available: • Tap position of 220/132 KV T1 & T2.	All digital data are available.
32.	**फुलवारी / Phulbari**	16:05	All analog data are available.	All digital data are reporting.

- ***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 (04.08.2025)

Sl. No.	आर टी यू स्टेशन / RTU STATION	Time	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	अगरतला / **AGARTALA**	16:12	Following analog data not available: • Tap position of all ICTs.	Following digital data not available: • Agartala-2, Surajmani Nagar-2 & ICT-6 main CB is showing replaced. • Bus coupler digital data.
2.	अमर पुर / **AMARPUR**	16:13	All analog data are not available.	All digital data are not available.
3.	अंबस्सा / **AMBASSA**	16:13	All analog data are not available.	Most of the digital data are suspect & showing replaced.
4.	बदरघाट / **BADARGHAT**	16:14	Following analog data not available: • Tap position of all ICTs. • Rokhia line MW and MVAR. • 33 kV Bus-1 kV & Hz.	Following digital data not available: • 33 KV all digital data.
5.	बरमुरा / **BARMURA**	16:14	Following analog data not available: • Tap position of all ICTs. • 132 KV Bus-1 Hz.	Most of the digital data are showing replaced & in between status.
6.	बेलोनिया / **BELONIA**	16:15	All analog data are not available.	All digital data are not available.
7.	बोगफा / **BOGAFA**	16:15	All analog data are not available.	All digital data are not available.
8.	बोक्सानगर / **BOXANAGAR**	16:15	All analog data are not available.	All digital data are not available.
9.	बुद्ध्जंगनगर / **BUDHJUNG NAGAR**	16:16	Following analog data not available: • Tap position of all ICTs. • ICT-2 HV & LV side MW and MVAR.	Following digital data not available: • All bay isolator data of ICT-2 are showing replaced & main CB is suspect.
10.	ढालबिल / **DHALABILL**	16:16	Following analog data not available: • Tap position of all ICTs. • ICT-1 HV & LV side MW and MVAR.	Following digital data not available: • Kamalpur & Gamaitilla CBs data are showing replaced. • ICT-2 Main CB sows in between status.
11.	धरमनगर / **DHARMA NAGAR**	16:17	All analog data are not available.	All digital data are not available.
12.	गमाइतिल्ला / **GAMAITILA**	16:17	All analog data are not available.	All digital data are not available.
13	गोकुलनगर/**GOKULNAGAR**	16:17	All analog data are not available.	All digital data are not available.
14.	गौरनगर / **GOURNAGAR**	16:17	All analog data are not available.	All digital data are not available.
15.	गुमटी / **GUMTI**	16:18	All analog data are not available.	All digital data are not available.

16.	जिरनिया / **JIRANIA**	16:18	All analog data are not available.	All digital data are not available.
17.	कमलपुर / **KAMALPUR**	16:18	All analog data are not available.	All digital data are not available.
18.	मोहनपुर / **MOHANPUR**	16:19	Following analog data not available: • Tap position of all ICTs.	Following digital data not available: • Agartala line isolator showing replaced.
19.	मोनारचक / **MONARCHAK**	16:20	Following analog data not available: • Surjamaninagar-1 & Surjamaninagar-2 MW & MVAR.	Following digital data not available: • Surjamaninagar-1 & Surjamaninagar -2 main CBs. • Surjamaninagar-1 & Surjamaninagar -2 isolators are showing replaced.
20.	ओमपी / **OMPI**	16:20	All analog data are not available.	All digital data are not available.
21.	पी के बारी / **PK BARI**	16:20	Following analog data not available: • Tap position of all ICTs.	Following digital data not available: • Line isolator of ICT-1, Dharmanagar & Gournagar are showing replaced.
22.	रबीन्द्र नगर / **RABINDRNAGAR**	16:21	All analog data are not available.	All digital data are not available.
23.	रोखिया / **ROKHIA**	16:22	Following analog data not available • Tap position of all ICT-1 & 2. • All analog data of 66kV side. • 132 KV Main Bus KV & Hz. • Unit-8 MW & MVAR.	Most of the digital data are not available.
24.	सबरूम / **SABROOM**	16:22	All analog data are not available.	All digital data are not available.
25.	सतचंद / **SATCHAND**	16:22	All analog data are not available.	All digital data are not available.
26.	सुरजमानी नगर / **SURAJMANI NAGAR**	16:23	Following analog data not available • Tap position of all ICTs.	Following digital data not available: • ICT-2 Bus-1 Isolator showing replaced. • Transfer bus isolator of Budhjungnagar showing replaced. • Line & Transfer bus isolator of Agartala-1 & Agartala-2 showing replaced. • Main Isolator of Palatana showing replaced. • Line Isolators of both ICTs showing replaced.
27.	उदयपुर / **UDAIPUR**	16:24	Following analog data not available: • Tap position of all ICTs. • MW & MVAR of 132/11 KV ICTs.	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 (05.08.2025))**

Sl. No.	आर टी यू स्टेशन / RTU STATION	Time	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	चंदेल / **CHANDEL**	10:26	All analog data are not available.	All digital data are not available.
2.	चूरचंदपुर / **CHURACHANDPUR**	10:27	All analog data are not available.	All digital data are not available.
3	एलान कांग पोकपी / **ELANGKANGPOKPI**	10:27	All analog data are not available.	All digital data are not available.
4.	हुंडूंग / **HUNDUNG**	10:28	All analog data are not available.	All digital data are not available.
5.	इम्फ़ाल / **IMPHAL**	10:31	All analog data are not available.	All digital data are not available.
6.	जिरीबाम / **JIRIBAM**	10:32	All analog data are not available.	All digital data are not available.
7.	काकचिंग / **KAKCHING**	10:32	Following analog data not available: • Tap position of all ICTs. • Elangkangpokpi, 132kV Thoubal, 132kV Moreh MW & MVAR.	Following digital data not available: • Elangkangpokpi, 132kV Thoubal, 132kV Moreh all bay digital data are suspect.
8.	करोंग / **KARONG**	10:33	All analog data are not available.	All digital data are not available.
9.	कोंग्बा / **KONGBA**	10:33	All analog data are not available.	All digital data are not available.
10.	मोरेह / **MOREH**	10:33	All analog data are not available.	All digital data are not available.
11.	निंग थौ खोंग / **NINGTHOUKHONG**	10:34	Following analog data not available: • Tap position of ICT-2 & ICT-3. • ICT-2 & ICT-3 MW & MVAR of both HV & LV sides.	Following digital data not available: • Imphal-1 all bay isolators are showing replaced. • Imphal-3 & 2 Main Bus & line isolators showing replaced. • ICT-2 main CB shows in between status. • Churachadpur-1 bay isolators showing replaced.
12.	रेंग पाँग / **RENGPANG**	10:34	All analog data are not available.	All digital data are not available.
13.	थान लोन / **THANLON**	10:34	All analog data are not available.	All digital data are not available.
14.	400केवी थौबल / **400 kV THOUBAL**	10:35	Following analog data not available: • Tap position of ICT-1.	Following digital data not available: • ICT-1 Isolator on HV & LV side showing replaced.
15.	थौबल ओल्ड / **THOUBAL OLD**	10:35	All analog data are not available.	All digital data are not available.
16.	तिपाइमुख / **TIPAIMUKH**	10:35	All analog data are not available.	All digital data are not available.
17.	यियांग कांग पोकपी / **YIANGANGPOKPI**	10:36	Following analog data not available: • Tap position of ICTs show negative values. • Kongba-2 MW & MVAR.	Following digital data not available: • Kongba-2 all bay digital data. • Hundung, ICT-1 & ICT-2 CBs shows 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 (05.08.2025)

Sl. No.	आर टी यू स्टेशन / RTU STATION	Time	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	**बैराबी / BAIRABI**	10:37	All analog data are not available.	All digital data are not available.
2.	चंफई / **CHAMPHAI**	10:37	All analog data are not available.	All digital data are not available.
3.	इंडूर / **INDOOR**	10:38	All analog data are not available except Zuangtui-1 MW & MVAR.	Following digital data not available: • Zuangtui-1 & ICT-1 main CBs shows in between status. • CB B_1 show in between status.
4.	खव्ज़ वाल / **KHAWZAWL**	10:38	All analog data are not available.	All digital data are not available.
5.	लुंग लेई / **LUNGLEI**	10:38	All analog data are not available.	All digital data are not available.
6.	लुंग मुयल/ **LUANGMUAL**	10:39	All analog data are not available.	All digital data are not available.
7.	सेरचिप / **SERCHHIP**	10:39	All analog data are not available.	All digital data are not available.
8.	**MELRIAT**	10:39	All analog data are not available.	All digital data are not available.
9.	साइतुयाल / **SAITUAL**	10:40	All analog data are not available.	All digital data are not available.
10.	सिहहमुई / **SIHHMUI**	10:41	All analog data are not available.	All digital data are not available.
11.	**वांकल/VANKAL**	10:41	All analog data are not available.	All digital data are not available.
12.	ज़ुयांग तुइ / **ZUANGTUI**	10:42	All analog data are not available.	All digital data are not available.
13.	कोलासिब / **KOLASIB**	10:42	Following analog data not available: • Tap position of all ICT-1.	Following digital data not available: • Bus coupler digital data.
14.	वंकल सोलर / **Vankal Solar**	10:43	Following analog data not available: • Air Pressure, GHI & GTI parameters. • 33 KV bus-2 & 3 Hz.	All digital data are 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 (05.08.2025)

Sl. No	आर टी यू स्टेशन / RTU STATION	Time	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	चेफोबोज़ौ / CHEPHOBOZOU	10:45	All analog data are not available.	All digital data are not available.
2.	दिमापुर / DIMAPUR	10:46	Following analog data not available: • Tap position of all ICTs. • 66 KV main bus KV & Hz.	Most of the digital data are not available.
3.	गणेश नगर / GANESH NAGAR	10:46	All analog data are not available.	All digital data are not available.
4.	किफिरे / KIPHIRE	10:47	Following analog data not available: • Tap position of all ICTs. • 66 KV main bus KV & Hz. • 132 KV Main Bus KV & Hz.	Most of the isolator's data are showing replaced.
5.	कोहिमा / KOHIMA	10:47	Following analog data not available: • Tap position of all ICTs. • 132/33 KV ICT-3 MW & MVAR on both side. • Karong MW.	Following digital data not available: • ICT-3 main CB showing suspect. • Most of the isolators are showing replaced.
6.	एल एच ई पी / LHEP	10:47	All analog data are not available.	All digital data are not available.
7.	लॉन्ग नाक / LONGNAK	10:48	All analog data are not available.	All digital data are not available
8.	मेलुरी / MELURI	10:48	All analog data are not available.	All digital data are not available.
9.	मोकोक चुँग / MOKOKCHUNG	10:48	Following analog data not available: • Tap position of all ICTs except 132/66 KV ICT-1.	All digital data are available.
10.	मोन / MON	10:49	Following analog data not available: • Tap position of all ICT-1. • 66 KV Main Bus KV & Hz.	All digital data are available.
11.	नगनी मोरा / NAGNIMORA	10:49	All analog data are not available.	All digital data are not available.
12.	New Secretariate	10:49	All analog data are not available.	All digital data are not available.
13.	पावर हाउस / POWER HOUSE	10:50	All analog data are not available.	All digital data are not available.
14.	सनिस / SANIS	10:50	Following analog data not available: • Tap position of all ICT-1.	All digital data are available.
15.	टीजीट / TIZIT	10:50	All analog data are not available.	All digital data are not available.
16.	तुएन सांग / TUENSANG	10:51	Following analog data not available: • Tap position of ICT-1. • 66 KV main bus KV & Hz.	Following digital data not available: • All CBs shows in between status.

			• Mokokchung MW & MVAR.	
17.	तुली / **TULI**	10:51	Following analog data not available: • Tap position of all ICTs. • ICT-1 MW & MVAR. • 66 KV main bus KV & Hz. • Mokokchung MW & MVAR.	Following digital data not available: • CBs of Mokokchung, ICT-2 & Bus coupler shows in between status.
18.	वोखा / **WOKHA**	10:52	Following analog data not available: • Tap position of ICT-1. • 132 KV Main Bus KV & Hz.	Following digital data not available: • Most of the isolators data are showing replaced.
19.	जुहेन बोटों / **ZUHENEBOTO**	10:52	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 (05.08.2025)

Sl. No.	आर टी यू स्टेशन / RTU STATION	Time	अनैलॉग डेटा / ANALOG DATA	डिजिटल डेटा / DIGITAL DATA
1.	अलोंग / **ALONG**	10:55	All analog data are not available.	All digital data are not available.
2.	बसर / **BASAR**	10:56	Following analog data not available: • Tap position of all ICT-2. • Main Bus Hz.	All digital data are available.
3.	भालूकोंग / **BHALUKONG**	10:56	All analog data are not available.	All digital data are not available.
4.	डपोरीज़ों / **DAPORIJO**	10:57	Following analog data not available: • Tap position of all ICTs. • ICTs MW & MVAR on both HV & LV side. • Main Bus Hz. • Ziro MW & MVAR.	Following digital data not available: • Main CB of Ziro & ICT-2 are showing replaced. • Main CB of ICT-1 shows in between status.
5.	देओमाली / **DEOMALI**	10:57	Following analog data not available: • Tap position of all 132/33 KV ICTs.	Following digital data not available: • 220 Bus coupler CB showing replaced.
6.	चिंपू / **CHIMPU**	10:58	Following analog data not available: • Tap position of all ICTs. • Halongi, & Lekhi MW & MVAR. • Panyor/ RHEP & Pare-1 MVAR.	Following digital data not available: • Panyor & Pare-1 bay digital data.
7.	जयराम पुर / **JAIRAMPUR**	10:58	All analog data are not available.	All digital data are not available.
8.	खुपी / **KHUPI**	10:58	Following analog data not available: • Tap position of all 132/33 KV ICT-1.	All digital data are available.
9.	लेखी / **LEKHI**	11:00	Following analog data not available: • Tap position of all 132/33 KV ICTs. • Itanagar MW & MVAR.	Following digital data not available: • Nirjuli & Bus coupler CB showing replaced.
10.	पासी घाट /**PASIGHAT**	11:00	All analog data are not available.	All digital data are not available.
11.	दीक्षी / **DIKSHI**	11:01	All analog data are available.	All digital data are available.
12.	टेंगा / **TENGA**	11:01	Following analog data not available: • MW & MVAR of all 132/33 KV ICTs on both HV & LV side.	Following digital data not available: • All bay digital data are suspect for ICTs.
13.	होलोंगी/ **HOLONGI**	11:02	All analog data are not available.	All digital data are not available.
14.	नापित/ **NAPIT**	11:02	All analog data are not available.	All digital data are not available.
16.	निगलोक/**NIGLOK**	11:02	All analog data are not available.	All digital data are not available.
17.	सेप्पा/ **SEPPA**	11:03	Following analog data not available: • Tap position of ICT-1 shows negative value.	All digital data are available.

Note:

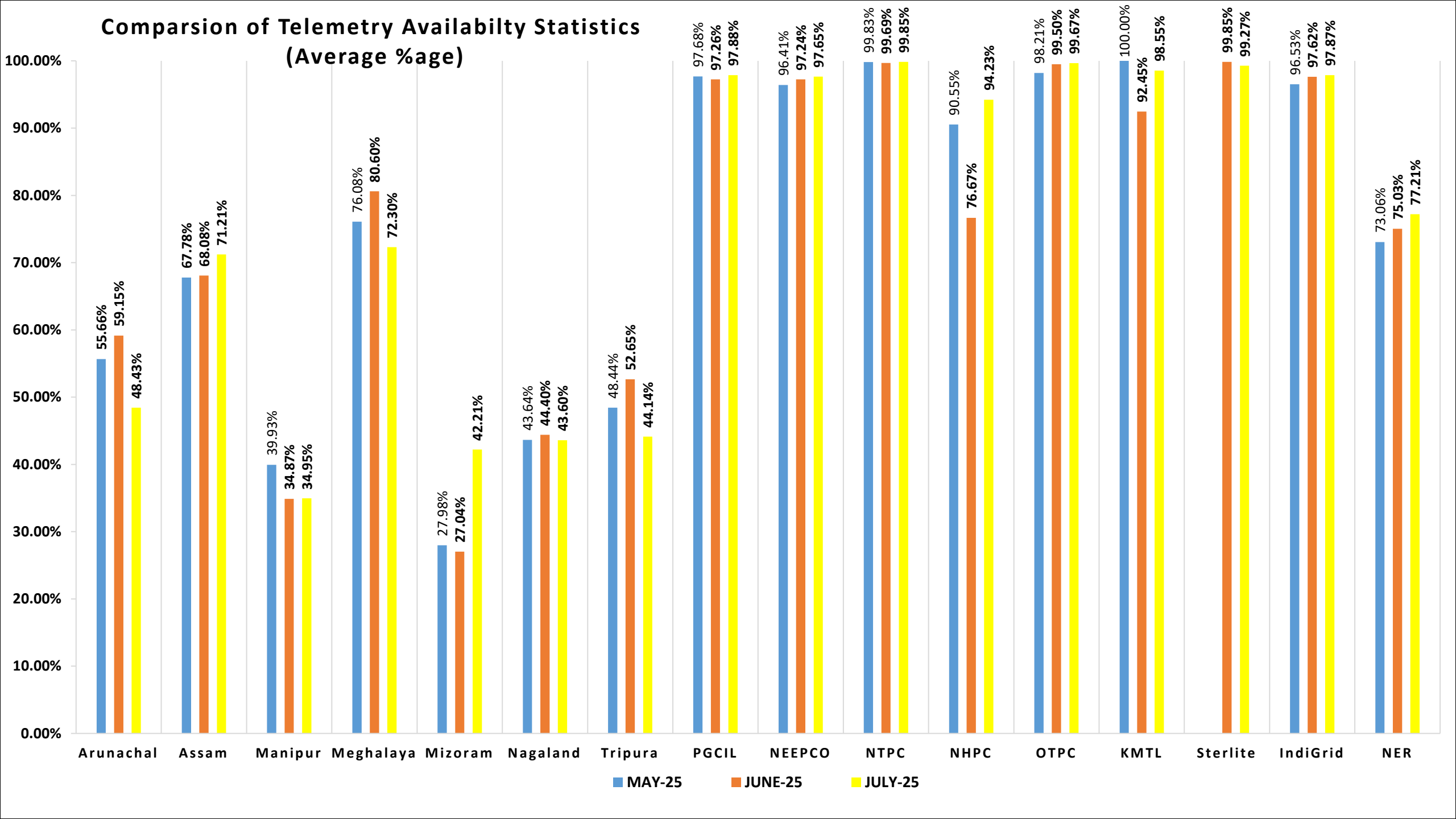
1) Jairampur is a 33kV interstate connecting substation.

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

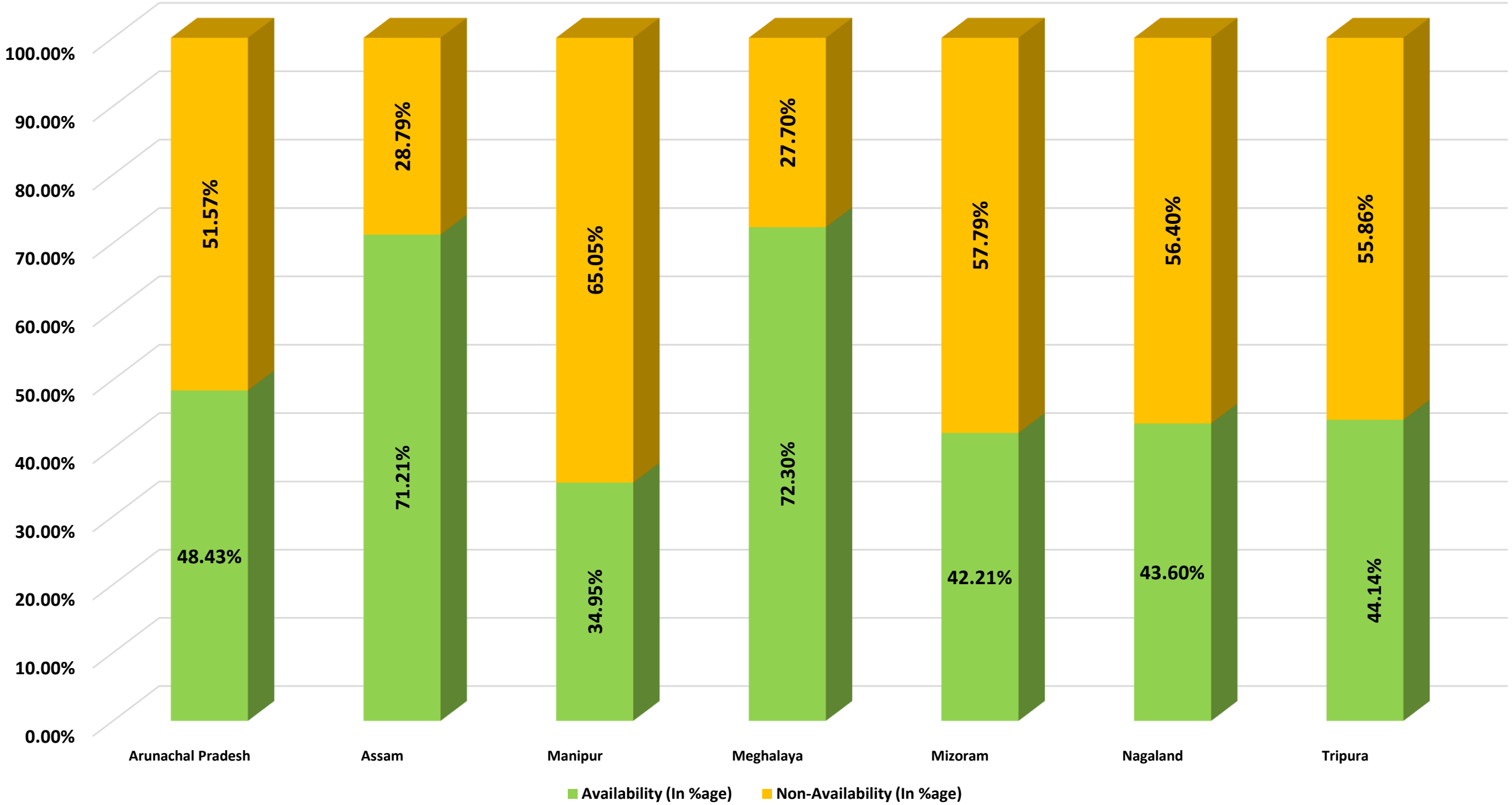
Telemetry Statistics for the month of July 2025

Annexure C 3.15

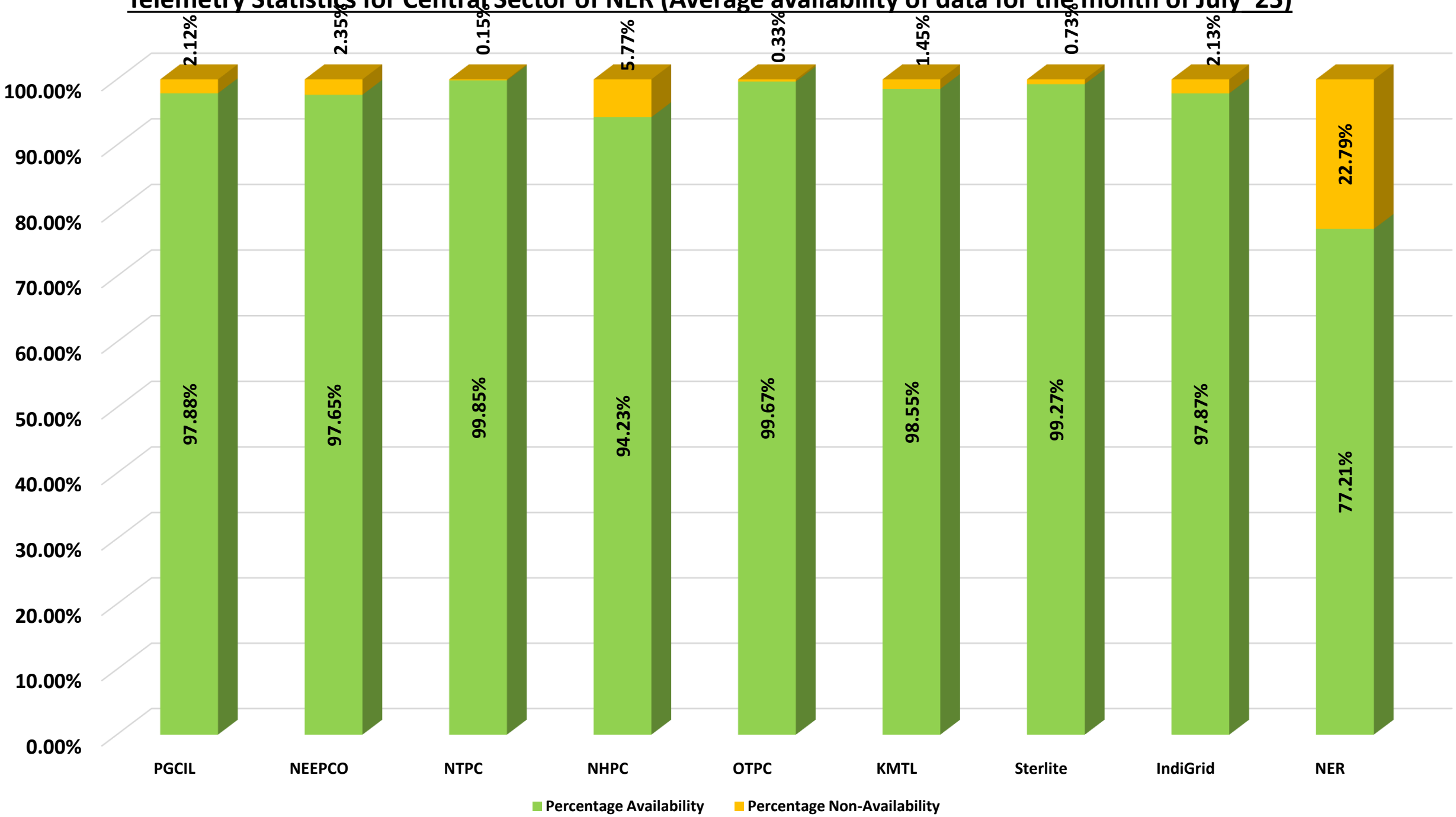
Sl. No.	Utility	Average Total Percentage	Average Analog Percentage	Average Digital Availability	Average RTU Availability	Target as per 30th NeTEST MOM
1	PGCIL	97.88	97.3	98.16	98.14	
2	NEEPCO	97.65	97.43	97.79	99.2	
3	NTPC	99.85	99.93	99.8	99.95	
4	NHPC	94.23	96.2	93.18	98.94	
5	OTPC	99.67	98.97	100	99.99	
6	KMTL	98.55	98.57	98.54	99.95	
7	Sterlite	99.27	99.25	99.28	99.25	
8	Indigrid	97.87	96.06	98.62	99.99	
9	Arunachal Pradesh	48.43	48.98	48.08	47.78	85
10	Assam	71.21	72.4	70.34	78.23	85
11	Manipur	34.95	38.73	32.7	40.65	70
12	Meghalaya	72.3	82.73	64.49	88.5	80
13	Mizoram	42.21	50.48	35.85	73.75	60
14	Nagaland	43.6	41.99	44.58	55.69	70
15	Tripura	44.14	48.27	41.46	50.87	80

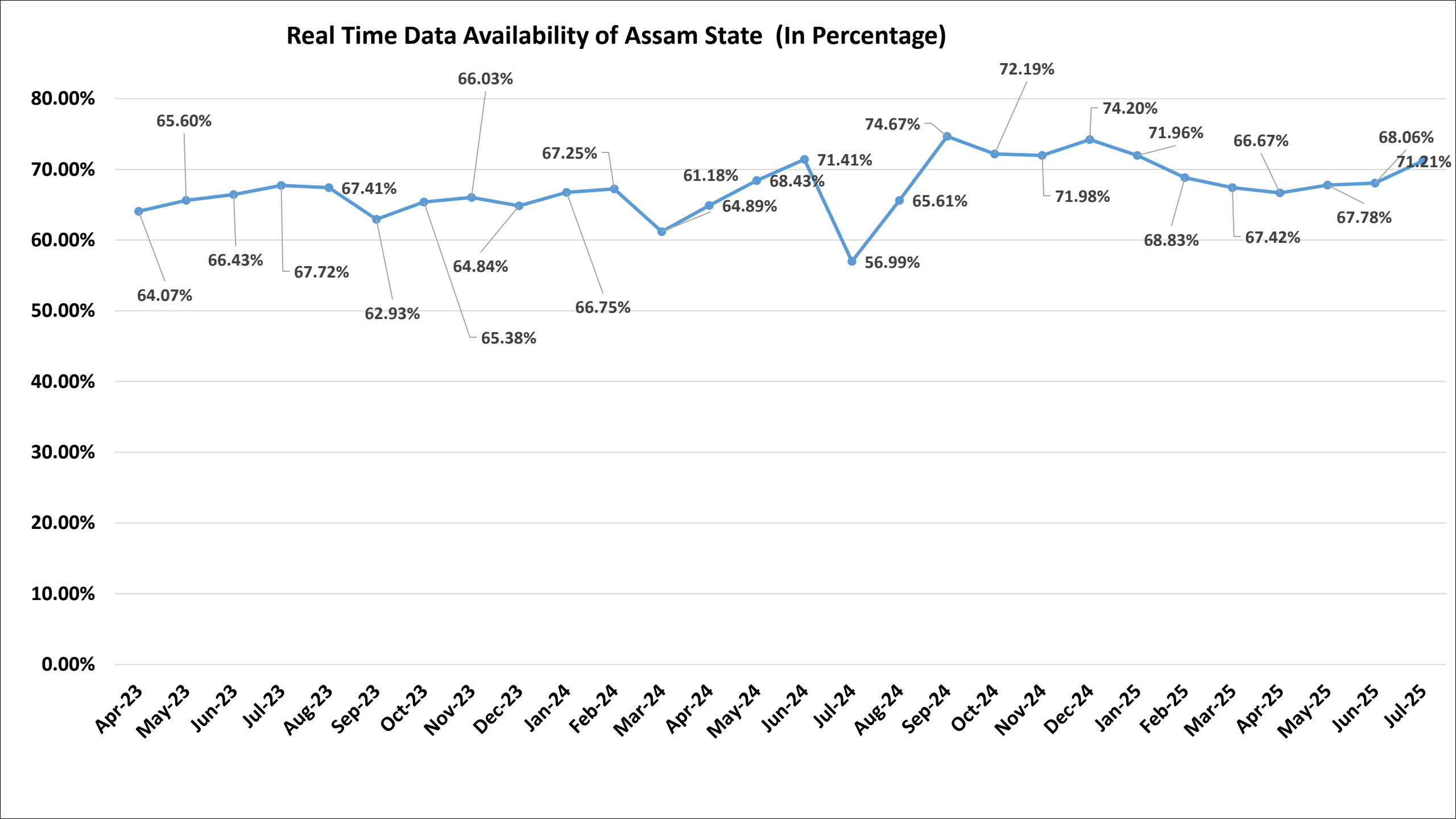

Comparsion of Telemetry Availabilty Statistics
(Average %age)
100.00%
90.00%
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
55.66%
59.15%
48.43%
67.78%
68.08%
71.21%
39.93%
34.87%
34.95%
76.08%
80.60%
72.30%
27.98%
27.04%
42.21%
43.64%
44.40%
43.60%
48.44%
52.65%
44.14%
97.68%
97.26%
97.88%
96.41%
97.24%
97.65%
99.83%
99.69%
99.85%
90.55%
76.67%
94.23%
98.21%
99.50%
99.67%
100.00%
92.45%
98.55%
99.85%
99.27%
96.53%
97.62%
97.87%
73.06%
75.03%
77.21%
Arunachal
Assam
Manipur
Meghalaya
Mizoram
Nagaland
Tripura
PGCIL
NEEPCO
NTPC
NHPC
OTPC
KMTL
Sterlite
IndiGrid
NER
MAY-25
JUNE-25
JULY-25

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



Telemetry Statistics for Central Sector of NER (Average availability of data for the month of July '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%
64.07%
65.60%
66.43%
67.72%
67.41%
62.93%
65.38%
64.84%
66.03%
67.25%
66.75%
61.18%
64.89%
68.43%
71.41%
56.99%
65.61%
74.67%
72.19%
71.98%
74.20%
68.83%
71.96%
67.42%
66.67%
67.78%
68.06%
71.21%
Apr-23
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Aug-23
Sep-23
Oct-23
Nov-23
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Feb-24
Mar-24
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May-24
Jun-24
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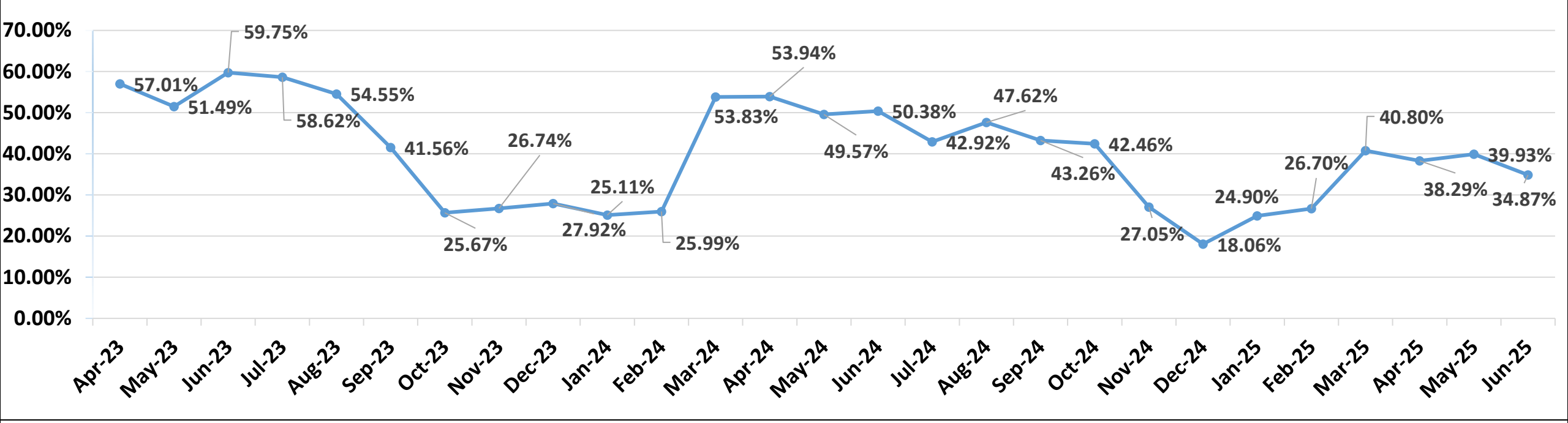
Apr-25
May-25
Jun-25
Jul-25


70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
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%
40.80%
38.29%
39.93%
34.87%
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Jul-23
Aug-23
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Nov-23
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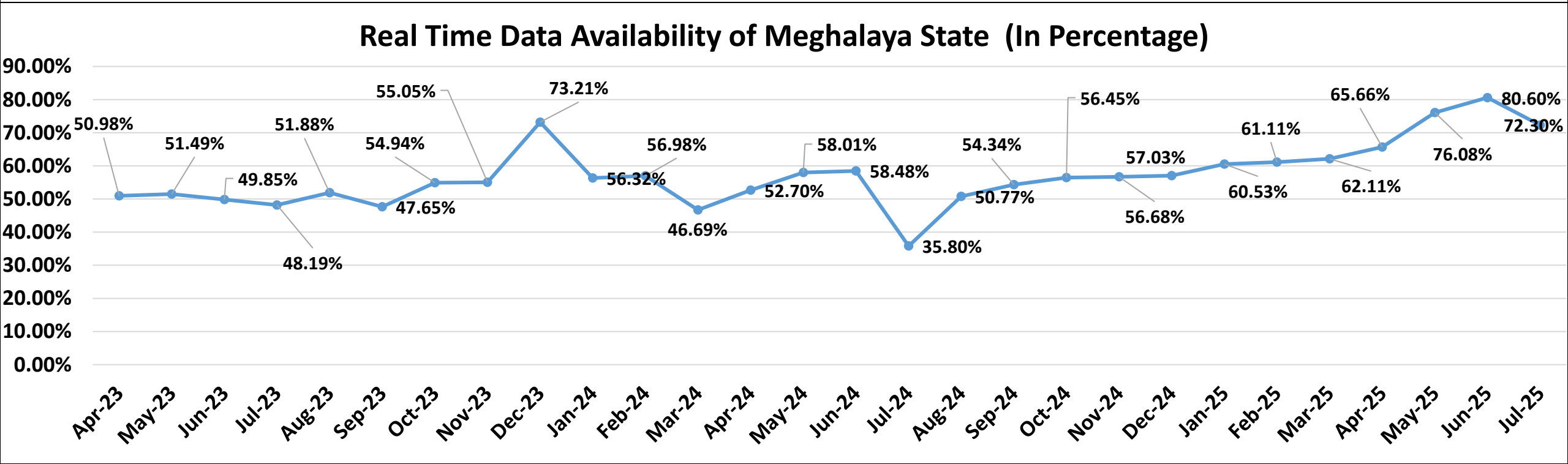
Mar-25
Apr-25
May-25
Jun-25


Real Time Data Availability of Meghalaya State (In Percentage)
90.00%
80.00%
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
50.98%
51.49%
49.85%
48.19%
51.88%
47.65%
54.94%
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%
60.53%
61.11%
62.11%
65.66%
76.08%
80.60%
72.30%
Apr-23
May-23
Jun-23
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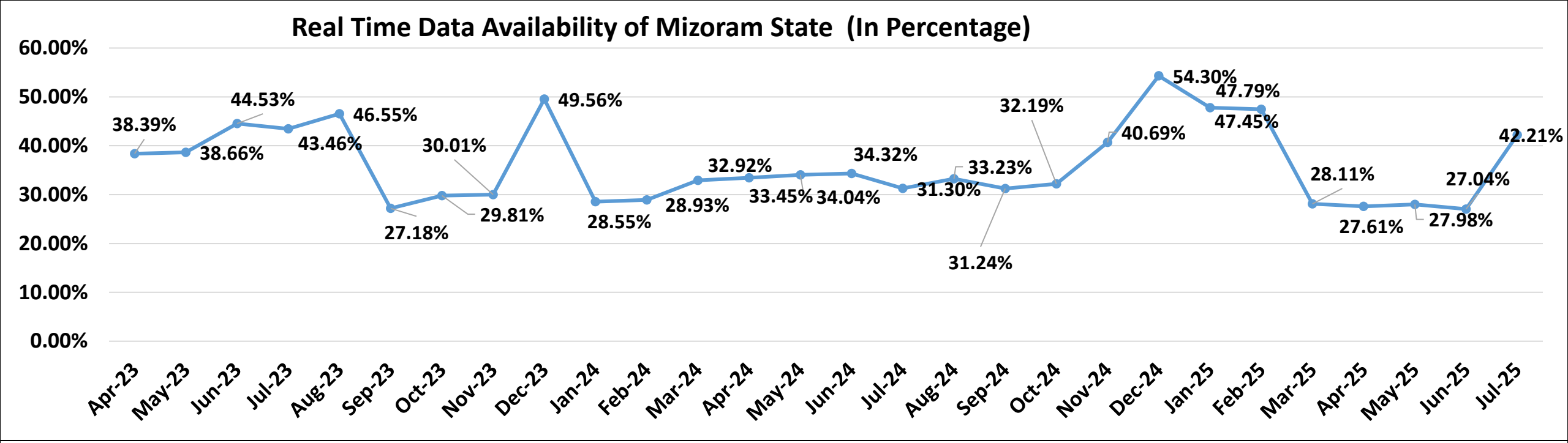
Real Time Data Availability of Mizoram State (In Percentage)
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
38.39%
38.66%
44.53%
43.46%
46.55%
27.18%
30.01%
29.81%
49.56%
28.55%
28.93%
32.92%
33.45%
34.04%
34.32%
31.30%
33.23%
31.24%
32.19%
40.69%
54.30%
47.45%
47.79%
28.11%
27.61%
27.98%
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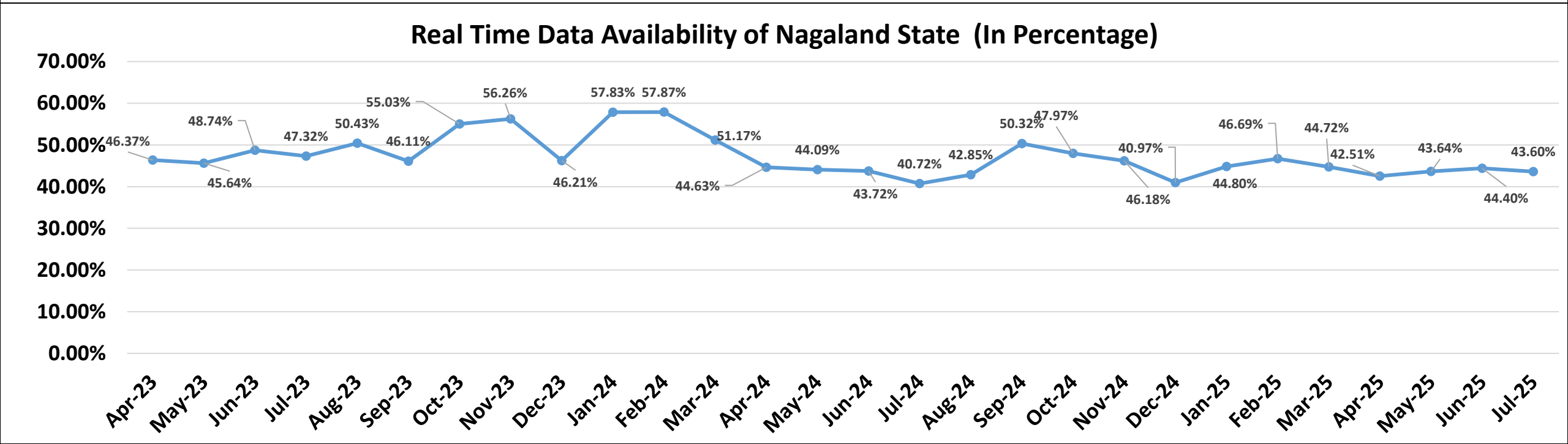
Real Time Data Availability of Nagaland State (In Percentage)
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
46.37%
45.64%
48.74%
47.32%
50.43%
46.11%
55.03%
56.26%
46.21%
57.83%
57.87%
44.63%
51.17%
44.09%
43.72%
40.72%
42.85%
50.32%
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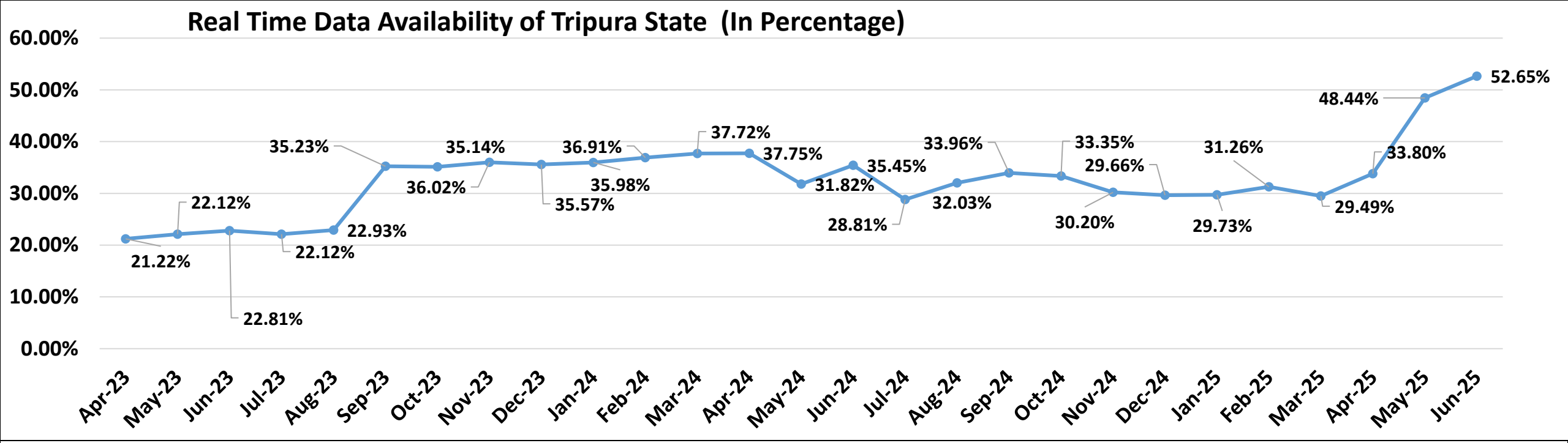
Real Time Data Availability of Tripura State (In Percentage)
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40.00%
30.00%
20.00%
10.00%
0.00%
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22.12%
22.81%
22.12%
22.93%
35.23%
36.02%
35.14%
35.57%
36.91%
35.98%
37.72%
37.75%
31.82%
35.45%
28.81%
32.03%
33.96%
30.20%
33.35%
29.66%
29.73%
31.26%
29.49%
33.80%
48.44%
52.65%
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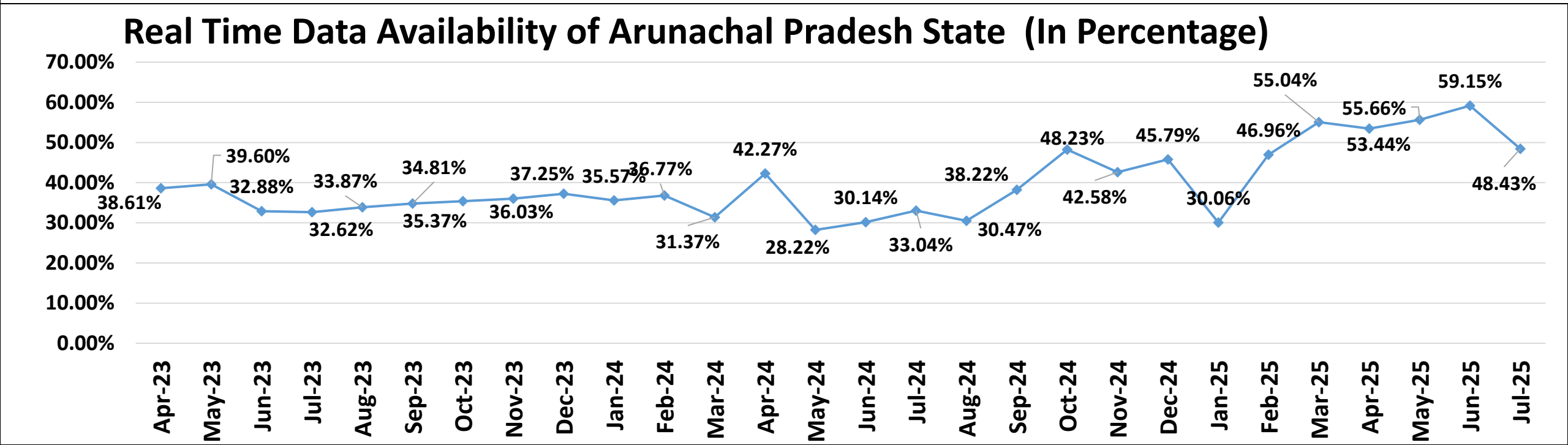
Apr-25
May-25
Jun-25


Real Time Data Availability of Arunachal Pradesh State (In Percentage)
70.00%
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
38.61%
39.60%
32.88%
32.62%
33.87%
34.81%
35.37%
37.25%
36.03%
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%
55.04%
53.44%
55.66%
59.15%
48.43%
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May-23
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Jan-25
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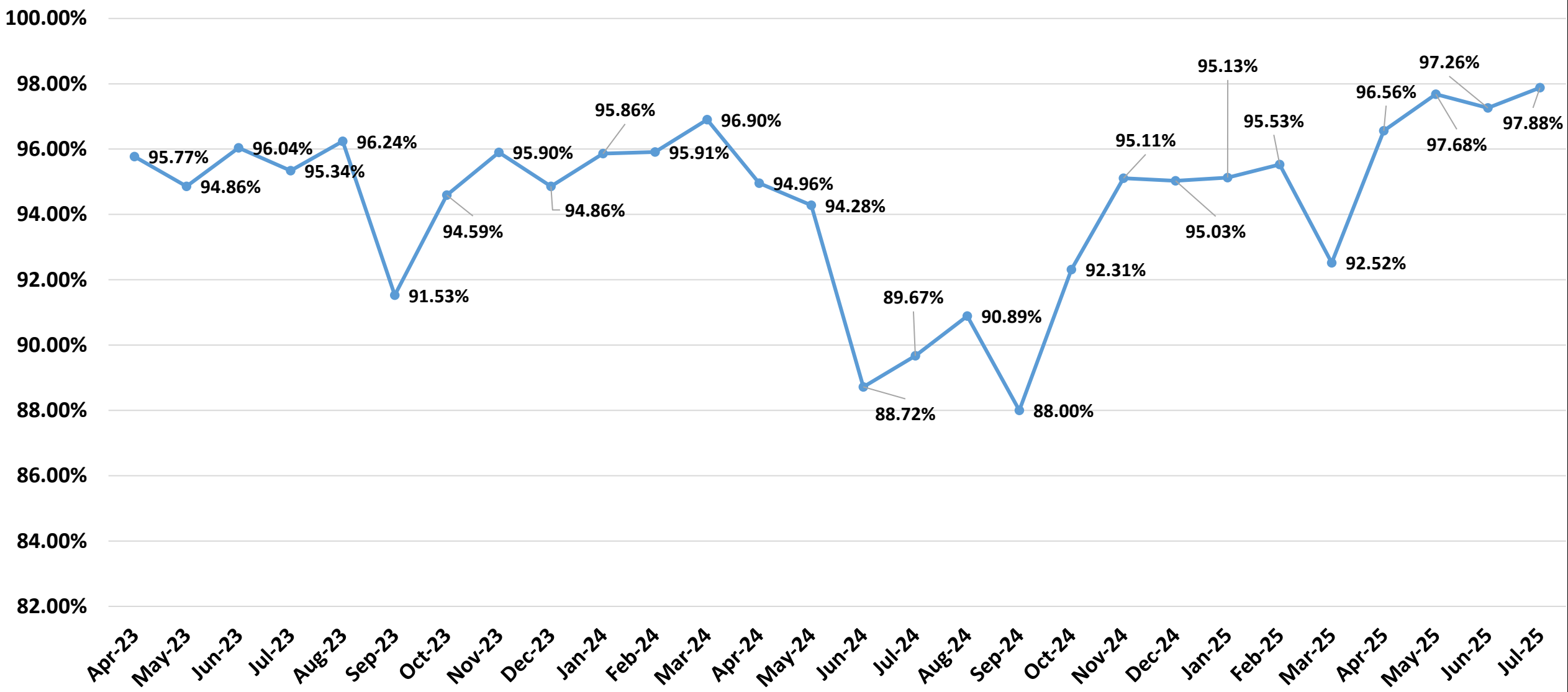
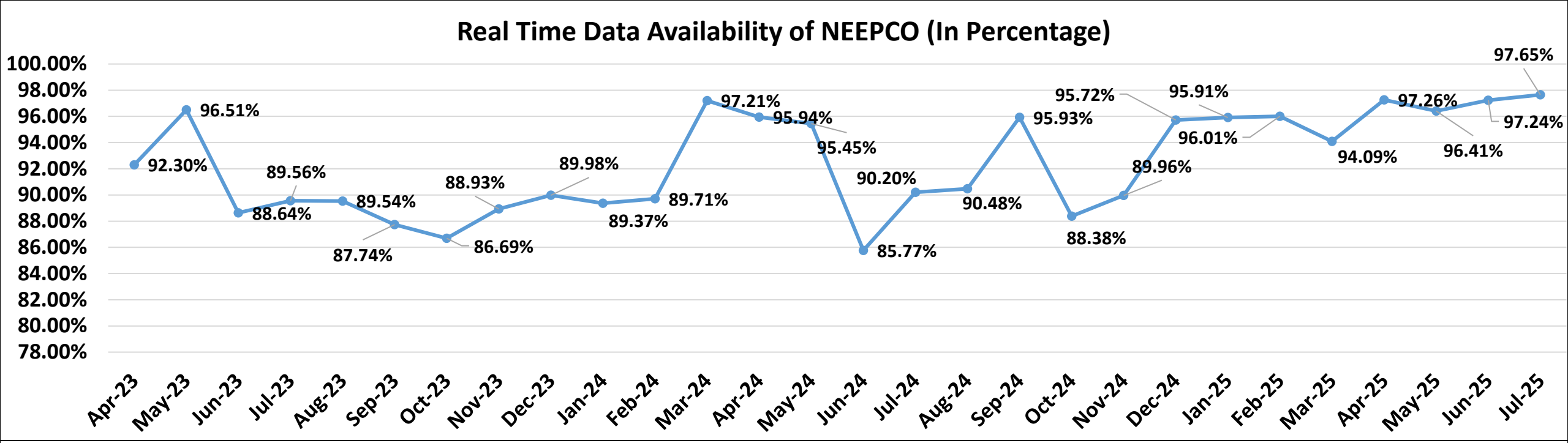
Mar-25
Apr-25
May-25
Jun-25
Jul-25

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%
78.00%
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%
95.72%
89.96%
95.91%
96.01%
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96.41%
97.65%
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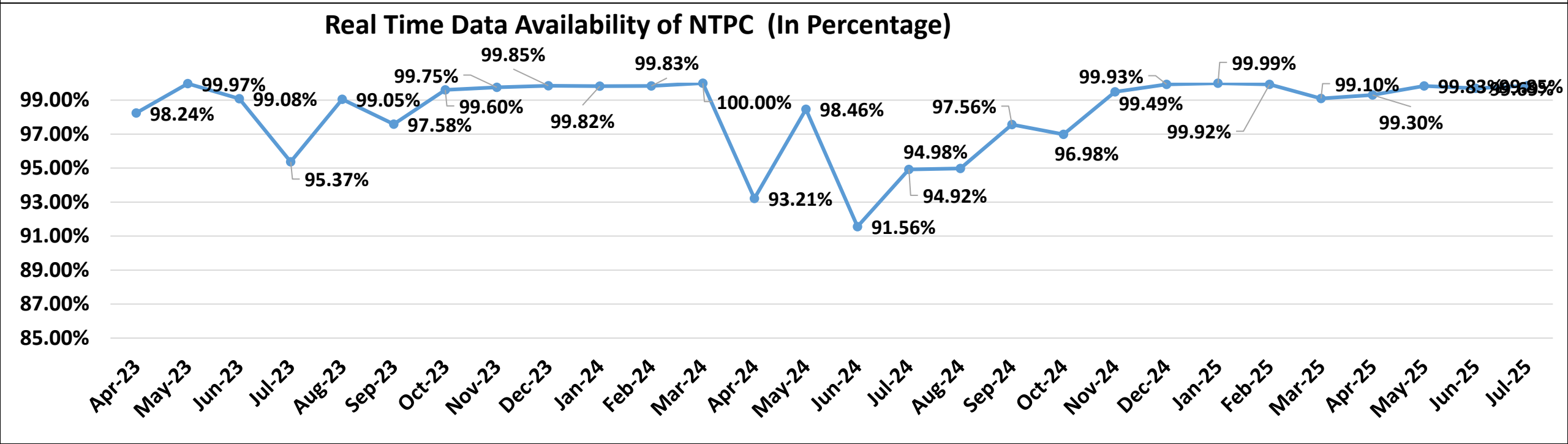
Jul-25


Real Time Data Availability of NTPC (In Percentage)
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97.00%
95.00%
93.00%
91.00%
89.00%
87.00%
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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%
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97.56%
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99.93%
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99.92%
99.99%
99.10%
99.30%
99.83%
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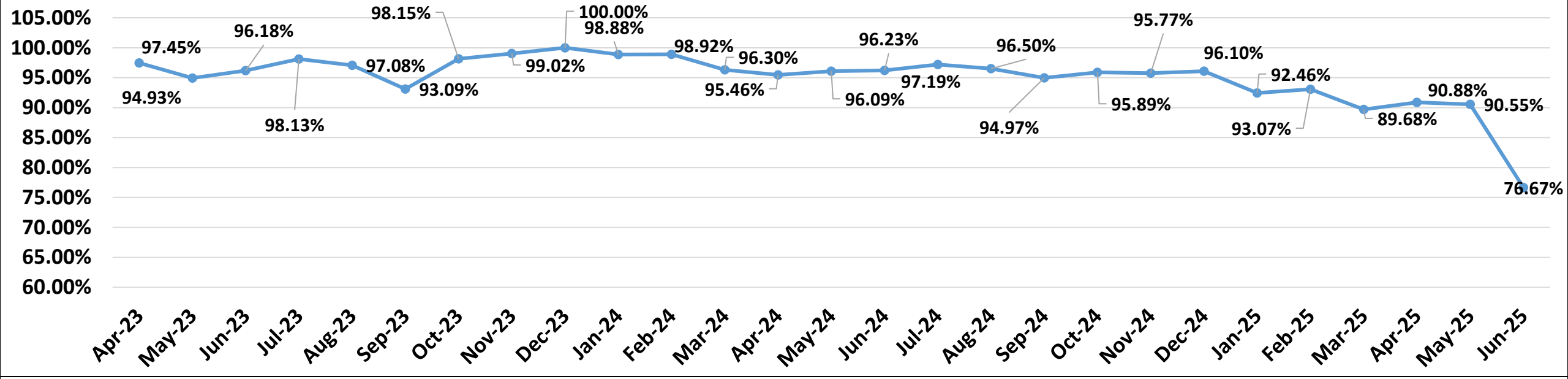
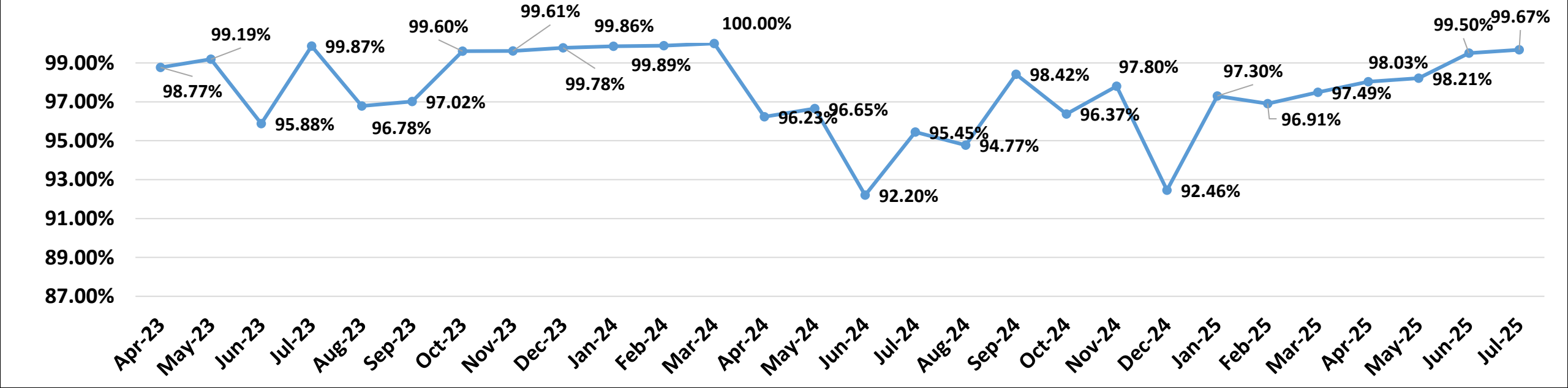
Apr-25
May-25
Jun-25
Jul-25

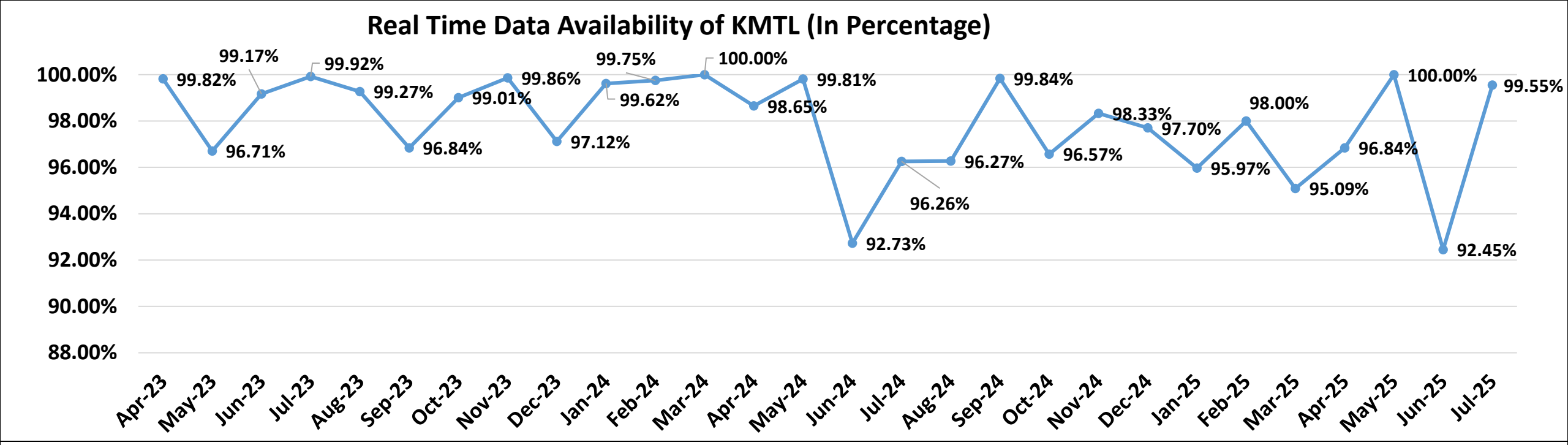
Real Time Data Availability of NHPC (In Percentage)



Real Time Data Availability of OTPC (In Percentage)



Real Time Data Availability of KMTL (In Percentage)



Real Time Data Availability of IndiGrid (In Percentage)