AGENDA

FOR

227thOCC MEETING

Time of meeting: 10:30 Hrs.

Date of meeting: 20thJune, 2025 (Friday)

Venue: NERPC Conference Hall, Shillong

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NORTH EASTERN REGIONAL POWER COMMITTEE

AGENDA FOR 227TH OCC MEETING TO BE HELD ON 20.06.2025 (FRIDAY) AT 10:30 HRS

1. PART-A: CONFIRMATION OF MINUTES

1.1. Confirmation of Minutes of 226thMeeting of OCC Sub-Committee of NERPC

The minutes of 226thmeeting of OCC Sub-committee held on20.05.2025 at NERPC Conference Hall, Shillong were circulated vide letter No.NERPC/SE (O)/OCC/2025/ 951-993dated 28th May, 2025.

No comments were received from constituents

Sub-committee may confirm the minutes of 226th OCCM

2. PART-B: ITEMS FOR DISCUSSION

AGENDA FROM NERPC

2.1. Outage planning

I. Generation Planning (ongoing and planned outages)

a. In 217thOCCM, NEEPCO informed that they would provide daily inflow data for storage-type Hydro PS. NHPC also agreed to provide inflow data as per the NER operational data format. Based on that data provided from NEEPCO and NHPC present per day MU and projected number of days of operation.

Plants	Reservoir Level in meters (as on 17/05/2025)	MU Content	Present DC (MU)	No of days as per current Generation
Khandong STG II	716.8	19.58	0.555	35
Kopili	606.95	80	1.210	66
Doyang	306.95	1.3	0.102	13
Loktak	766.57	15	0.318	47

The outage of other generating stations may be approved considering the present water levels in reservoirs. CEA has approved the generation outage plan for FY 2025-26. All the utilities may take note of it and in case of any modification from the Approved Planned Outages, the same may be finalized in consultation with GM Division

b. Outage Planning of Transmission elements

As per the Outage planning procedure of NER the planned outages approved in the OCC forum has to be reconfirmed by the availing utilities on 10:00hrs. of D-4 to 12:00 hrs. of D-3) to NERLDC in order to either avail the approved shutdown or cancel it.

If an outage is to be availed on say 10th of the month, the shutdown availing agency would reconfirm to NERLDC between 10 hrs. of 6th of the month to 1200 hrs. of 7th of the month. This practice is necessary to ensure optimal capacity utilization and the time required for associated system study/coordination by/amongst RLDC/NLDC.

Subsequently NER stakeholders have provided shutdown request for transmission elements for the month of June-2025.

Utilities have submitted the shutdown proposals for the month of July'25 (annexure 2.1), for discussion in OCC shutdown discussion meeting.

Forum may deliberate on the shutdown proposals.

AGENDA FROM NERLDC

2.2. Operational Performance and Grid discipline during May 2025:

NERLDC may present the Operational Performance and Grid Discipline Report for the month of May 2025.

2.3. Restoration of 132 kV Sonabil-Gohpur and 132 kV Sonabil-Pavoi line to its original configuration

In the 186th OCC meeting held on 6th March 2020 at Guwahati, it was decided to temporarily bypass the Sonabil substation and operate the 132 kV Pavoi–Sonabil and 132 kV Sonabil–Gohpur lines as a single 132 kV Pavoi–Gohpur circuit. This arrangement was intended as a temporary measure until the 132 kV Biswanath Chariali–Itanagar line was LILO at Gohpur.

As of July 2023, the LILO of the 132 kV Biswanath Chariali–Itanagar line at Gohpur has been successfully completed. Furthermore, the 132 kV Pare–North Lakhimpur double circuit line has also been commissioned in August 2023, significantly strengthening the network in the region. Given these developments, it is now proposed to restore the original configuration of the lines as follows after deliberation:

- 132 kV Sonbil–Gohpur
- 132 kV Sonabil–Pavoi

Considering the significant evolution of the network in this area, it is recommended that a committee be constituted to evaluate the proposal for restoring the original configuration. The committee should assess the technical and operational advantages and disadvantages of the restoration, taking into account both current system conditions and future network expansion plans.

2.4. Updation of upper Assam Islanding scheme

Due to the integration of the 220 kV Kathalguri–Namsai D/C line on 1st June 2025, the network topology of the Upper Assam system has undergone significant changes. For the survival of the Islanding scheme, it is essential that the island is formed by isolating specific elements at the designated frequency. Accordingly, the 220 kV Kathalguri–Namsai D/C line must be disconnected when the system frequency falls to 48.2 Hz, facilitating the formation of the island.

In view of the revised topology, it is requested that PGCIL implement the necessary settings at the Kathalguri end to enable isolation of the 220 kV Kathalguri–Namsai D/C line as part of the Islanding scheme.

2.5. Periodic Testing of Power System Elements and Submission of Simulation Model Data as per IEGC 2023

As per IEGC 2023 Clause 40 (1), periodic testing of all the power system elements shall be carried out by the equipment owners for ascertaining the correctness of mathematical models used for simulation studies as well as ensuring desired performance during an event in the system.

These tests must be conducted once every five (5) years or after major retrofits by the equipment owners. The owners shall also submit a testing plan for the next year to the concerned RPC by 31st October to ensure proper coordination during testing. This matter also stand discussed in various earlies OCC meetings.

In this context, all utilities are hereby requested to update and submit their periodic testing plans at the earliest via the link provided in the previous email to both NERPC and NERLDC.

2.6. Mandatory Submission of OCC Shutdown Requests in Outage Software – Implementation from Next Month

As you are aware, the NER region now has an active Outage Software platform, which is being utilized by all utilities for D-3 consent processes. In

alignment with the practices followed in other regions, all outage-related activities in the NER will henceforth be managed exclusively through this platform.

Until now, shutdown details were being submitted to NERPC in Excel format. Transitioning to the Outage Software will bring a more structured and standardized approach across the region.

Effective from the upcoming month, it will be mandatory for all utilities to submit OCC Shutdown (SD) Requests via the Outage Software. For example, shutdown requests for Month M+2 must be submitted during the designated window, i.e., from the 25th day of Month M to the 5th day of Month M+1.

To ensure smooth transition and clarity on the new procedure, a detailed demonstration of the shutdown request submission process will be conducted during the online outage coordination meeting. The demonstration will cover all key steps including request creation, editing, submission, and common issues faced during entry.

All utilities are requested to ensure:

- Relevant personnel are familiar with the software interface.
- Entries are submitted within the specified time window.
- Timely coordination with internal teams to identify and finalize shutdowns to be proposed for upcoming OCC month.

In case of any technical issues related to login credentials, access rights, or problems in submitting entries, concerned officials are advised to promptly contact the NER Outage Coordinators for assistance.

Compliance with the above guidelines is essential to ensure effective outage planning and system reliability across the region.

2.7. PTCC Clearance for electric supply line of voltage level 11 kV or above

As per the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2022, Clause 80 (in Chapter VII): "Protection against electromagnetic interference - The owner of every electric supply line of voltage level 11 kV or above shall obtain the clearance of Power Telecommunication Co-ordination Committee to ensure the safety of the personnel and telecommunication line as per the requirement of section 160 of the Act."

Hence, Regulations mandate seeking PTCC clearance for all electric supply line of voltage level 11 kV and above irrespective of it being underground cable or overhead line. Further, Power Communication Development (PCD) Division of CEA is taking up the matter for waiving off the Induced Voltage (IV) calculations on underground cables of 33kV and below during central level PTCC meetings. Until further notice from the CEA, all utilities must obtain PTCC clearance for overhead line and underground cables of 11 kV or above, in compliance with applicable CEA Regulations.

For information of all the members please.

2.8. Submission of Bays charging Status Information – ISGS and ISTS Elements

During the recent online element shifting exercise, several utilities encountered difficulties in live switching of elements. A major issue identified was the non-alignment of isolators, which significantly impacted operations.

To monitor and ensure the healthiness of isolators, a Google Sheet format has been shared with all concerned utilities. Some data entries have been pre-filled by NERLDC, which need to be verified by the respective utilities, while the remaining fields are to be completed by the utilities themselves.

It is noted that KMTL has completed the data submission, and NEEPCO has partially updated the required information. The remaining ISTS and ISGS entities are hereby requested to complete the data entry (if not already done), and verify and correct the details already provided, as applicable.

We kindly request all ISTS and ISGS entities to furnish and verify the isolator status details for the elements under their jurisdiction as per the prescribed format available at the link below:

🔗 **Document Link:** https://docs.google.com/spreadsheets/d/1tCwXxM1fEhcaTGEK5O-_qxef7-rWE_JIUxG5xVnQsfc/edit?usp=sharing

The following specific data points are to be provided for each relevant element:

1. **Bus 1 Side Isolator:**
    - Charged Status (Yes/No)
    - Date and Time since it has been in the current state
2. **Bus 2 Side Isolator:**
    - Charged Status (Yes/No)
    - Date and Time since it has been in the current state
3. **Bus Scheme Information:**
    - Details of connected bus schemes
4. **Transfer bus Isolator Status:**
    - Date and Time since it has been in the current non-charged state
5. **Element Side Isolator:**
    - Charged Status (Yes/No)
    - Date and Time since it has been in the current state
6. **Tie bay Side Isolator:**
    - Charged Status (Yes/No)
    - Date and Time since it has been in the current state

We urge all utilities to fill in the required information in the Google Sheet at the earliest.

2.9. Request for Expedited Registration on NOAR Portal by NER Intra-State Generating Utilities:

The Ministry of Power, Government of India, has launched the National Open Access Registry (NOAR) to streamline short-term open access transactions in the electricity sector. As such, all such transactions, whether inter-state or intra-state must be routed through the NOAR portal.

Data received from Grid India indicates that a large number of intra-state generating stations in the NER region are still unregistered on the portal. It is crucial to note that unregistered generating plants are ineligible to participate in short-term open access transactions via NOAR.

This concern was highlighted during the 6th Meeting of the High-Level Committee on implementation of the Late Payment Surcharge (LPS) Rules, 2022. The Committee strongly recommended that all generating companies (GENCOs) should promptly register their intra-state generation units on the NOAR portal to ensure regulatory compliance and enable seamless scheduling.

NERLDC had previously communicated this requirement through letters dated 03.10.2024 and 03.12.2024 to all NER states. The issue was further emphasized in the 55th Commercial Committee Meeting.

Despite these communications, several intra-state generating utilities from Meghalaya, Tripura, Mizoram, Arunachal Pradesh, and Nagaland are yet to complete the registration process. At present, only the intra-state generating plants of Assam have successfully registered, while others are reportedly in the process.

In line with NLDC's directive (Annexure-2.9.1), we strongly urge all concerned utilities to prioritize and expedite the NOAR registration process

at the earliest. This will ensure readiness for upcoming power transactions and avoid any operational or regulatory non-compliance.

Annexure-2.9.2 contains the current status of registration efforts across the region.

2.10. Checklist/Requirements for trial run/commissioning of Pumped Storage Plants (Hydro):

A meeting was held under the Chairmanship of Chairperson, Central Electricity Authority (CEA) on 19th May 2025 to review the status of trial run/commissioning of Pinappuram Pumped Storage Plant (Andhra Pradesh in Southern Region). Vide Minutes of Meeting dated 21-Jun-2025 shared by CEA, Grid-India was directed to formulate and update all checklist/requirements and maintain standard procedures/formats uniformly in all the RLDCs for trial run/commissioning of generating stations specifically for PSPs.

In line with the above, a Checklist was formulated by NLDC in consultation with all RLDCS for issuance of FTC approval and successful trial run certificate for Pumped Storage Plants (Hydro). Any PSPs in future may refer to this checklist for submission of data along with any additional data that may be requested by RLDCs.

NERLDC vide email dated 09-06-025 circulated the checklist to all the utilities in NER and the same is also available at

https://www.nerldc.in/first-time-charging-procedure/?lang=en

For the information of all the members please.

2.11. Secure Access to Web Based Energy Scheduling (WBES) System:

To enhance security and protect against potential cyber threats, physical IP-based access for the WBES system and data retrieval via API has been implemented effective from 11:00 Hrs on 9th June 2025. Accordingly, access and data fetching will now be permitted only through systems or networks

with whitelisted IP addresses. Meetings were also held with NER users to facilitate the whitelisting process and ensure seamless access to the WBES system at their respective locations.

For the information of all the members please.

Agenda from NEEPCO

2.12. Review of FRP (Frequency Response Performance) for ROR Plants of NEEPCO.

NERLDC vide its letter no Ref: NERLDC/S.O./20/7780 Dated 16-05-2025 suggested Kameng HPS to take all necessary steps to improve the Frequency Response Performance (FRP) of its control area based on the Median FRP of Kameng HPS (KaHPS) as mandated by **IEGC 2023 Reg 30(10)(q).** The letter mentioned that the calculated median FRP of KaHPS is 0.21 (Poor as FRP <0.5) based on the 20 reportable events notified by NLDC in FY 2024-25.

In this context, this is to state that out of 18 nos. events (for another 02 events Units were not on bar) considered for FRP calculation, FGMO of Kameng units were in "OFF" condition in 08 (eight) nos. of reportable events and hence, there were no primary response during those 08 (eight) nos. of reportable events.

In this context it is to mention that as per provision of **IEGC-2023 cl.-30.10(h)** sub cl.-2, the hydro generating stations (with pondage up to 3 hours or **run of the river** projects) are exempted from mandatory primary response.

In line with this, the ***Draft NLDC Methodology for computation of Average Monthly FRP, Beta 'ß'*** circulated NLDC/SO/FRP/2024 dated 28.05.2024 videalso mentioned "Hydro generating stations shall not be considered for FRP calculations during high inflow periods, as notified by the respective RPC in accordance with CERC (IEGC) Regulations, 2023 to avoid spillage" as per the clause 4.5 (c), which was subsequently omitted from the final ***NLDC Methodology for computation of Average Monthly***

FRP, Beta 'ß' circulated vide File No. L-1/268/2022/CERC Date: 23rd October, 2024.

Further, as per **Clause 45.10. (a) and (b)** under Optimum Utilization of Hydro Energy,

(a) During high inflow and water spillage conditions, for Storage type generating station and Run–of-River Generating Stations with or without Pondage, the declared capacity for the day may be up to the installed capacity plus overload capability (up to 10% or such other limit as certified by the OEM and approved by CEA) minus auxiliary consumption, corrected for the reservoir level. In case, the overload capability of such a station is more than 10% as approved, such a station shall declare the overload capability in advance.

(b) During high inflow and water spillage conditions, the concerned RLDC shall allow scheduling of power from hydro generating stations for overload capability up to 10% of Installed Capacity or any other limit as per sub-clause (a) of this clause without the requirement of additional GNA for such overload capacity, subject to the availability of margins in the transmission system.

Considering this, the KaHPS FGMO was switched OFF after taking due permission and requisite code from NERLDC in order to optimal utilisation of hydro energy and minimize spillage to the extent possible.

Therefore, in pursuant of all the Clauses and points mentioned above, it is to further state that if such conditions of IEGC are applied, the reportable events for which the FGMO was ON comes down to only 10 (ten) nos. for KaHPS, for which if the median FRP is calculated it comes to 2.58 which is "Excellent".

In context to this, it is to mention that –

1. The LOW median FRP should not be attributed to the ability and effectiveness of Primary Control of Governor Response of KaHPS or for any other ROR Plants like PLHPS, PHPS etc.

2. It is also to request for kind re-consideration and reinstatement of the Clause 4.5 (c) of the ***Draft Methodology for computation of Average Monthly FRP, Beta 'ß'***.

Agenda from Mizoram

2.13. Exemption/reduction of NPV for projects within the North Eastern States to make the project commercially viable.

According to India State of Forest Report (ISFR) 2023, Ministry of Environment, Forest and Climate Change, the total coverage of Forest area in India is 21.76% which is 7,15,343sq km. Also, the Forest coverage area in the North Eastern State is 53.77 % and 66.52% including Tree coverage area. The Coverage of the Forest Area in the North Eastern State is still very high as compared with other States of India. The Coverage of Forest Area can be seen from the enclosed table from ISFR 2023(Annexure-2.13).

However, in spite of the higher forest coverage of the State, the rates of NPV to be realised in lieu of diversion of forest land have been fixed the same for the whole country which put burden and cost to those States with higher Forest coverage than those with lesser Forest Coverage. For instance, States with lesser Forest coverage will have to pay lesser NPV in spite of the State having less Forest area. However, in a State like North Eastern States with 70 % to 80 % forest coverage, large amount of NPV have to be paid in spite of the State almost fully covered by the Forest Area. With the NPV come into picture, the project cost shoots up which make the project not commercially viable and ultimately detract developers. If this is not corrected, the development in the North Eastern States will come to a standstill due to the State being rich in Forest, trees and biodiversity.

There are provision for certain projects in the order No. 5-3/2011-FC(Vol-I) dated 6th January, 2022 from Ministry of Environment, Forest and Climate Change to charge NPV with half the rate with prescribed conditions such as Wind projects and Small Hydel Projects. However, these prescribed

conditions are rarely meet to reduce NPV with the current forest condition of these North Eastern States.

Therefore, it is suggested that Ministry of Environment, Forest and Climate Change to exercise

(1) Exemption of NPV for the North Eastern State for boosting the overall development of the States or

(2) May devise a way of charging of NPV in accordance to the composition (deficiency or surplus) of Forest area within the State or

(3) To segregate the NPV from the overall cost of the project and meet the NPV cost from the Central Government to make projects viable commercially in order to attract project developer and to pave way for the North Eastern States (with high forest coverage) to grow in other sectors.

Sub-committee may deliberate

Agenda from Manipur

2.14. CONSTRUCTION OF NEW 2X50 MVA, 132/33kV S/S AT AWANG POTSANGBAM WITH ASSOCIATED 132 kV LILO ON YUREMBAM-YAINGANGPOKPI 132 kV LINE ANDii. CONSTRUCTION OF NEW 2X25 MVA, 132/33 kV S/S AT NAMREI, UKHRUL DISTRICT ALONG WITH THE ASSOCIATED 132 kV DC LINE FROM 132/33kV HUNDUNG SUBSTATION

In the 26th TCC and NERPC meeting held on the 4th and 5th of July, 2024 respectively at Sonapur, Guwahati, the forum opined that the proposals of MSPCL for **i) Construction of 2x50 MVA, 132/33kV S/s at Awang Potsangbam with associated 132 kV LI-LO on Yurembam-Yaingangpokpi 132 kV line** and **ii) Construction of 2x25 MVA, 132/33 kV S/S at Namrei, Ukhrul District along with associated 132kV DC line from Hundung Substation** are to be further discussed in Sub-Committee meeting(s) for detailed study/deliberation/clarification and is therefore referred to the Sub Committee(s) of NERPC.

Meanwhile, the proposals were included in the "Intra State Transmission Resource Adequacy Plan for Manipur by the year 2034-35" of CEA and it has been recommended to complete the works for construction of 132/33kV substation at Awang Potsangbam and construction of 132/33kV substation at Namrei along with the associated lines by 2028-29.

Relevant portion of the **"Report on the Intra State Transmission Resource Adequacy Plan for Manipur by the year 2034-35"** of April 2025 is also enclosed for reference

Considering the above facts and circumstances, the Committee may kindly approve the -

i) Construction of new 2x50 MVA, 132/33kv S/S at Awang Potsangbam with associated 132 kV LILO on Yurembam- Yaingangpokpi (II) 132 kv line and

ii) Construction of new 2x25 MVA, 132/33 kV S/S at Namrei, Ukhrul district along with the associated 132 kV DC line from 132/33kV Hundung Substation

Sub-committee may deliberate

2.15. CONSTRUCTION OF 2X12.5 MVA 132/33 kV SUBSTATION AT KAMJONG ALONG WITH ASSOCIATED 132Kv DC LINE FROM 132/33kV HUNDUNG SUBSTATION

In the 27th TCC and NERPC meetings held at Guwahati on the 7th and 8th of November, 2024, the forum had deliberated that the proposal of MSPCL for "Construction of 2x12.5 MVA 132/33kV substation at Kamjong along with associated 132kV DC line from 132/33kV Hundung Substation" is to be further discussed in Sub-Committee meeting(s) for detailed study/deliberation/clarification and is therefore referred to the Sub-Committee(s) of NERPC.

Meanwhile, the proposal was included in the "Intra State Transmission Resource Adequacy Plan for Manipur by the year 2034-35" of CEA and it has been recommended that the work be completed by 2032-33.

Relevant portion of the "Report on the Intra State Transmission Resource Adequacy Plan for Manipur by the year 2034-35" of April 2025 is also enclosed for reference

Considering the above facts and circumstances, the Committee may kindly approve the construction of 132/33kV substation at Kamjong along with associated 132kV DC line from 132/33kV Hundung Substation.

Sub-committee may deliberate

2.16. RECONDUCTORING AND STRENGTHENING OF 132kV S/C TRANSMISSION LINE FROM 132/33kV JIRIBAM SUBSTATION TO 132/33 kV RENGPANG SUBSTATION

The 132/33kV Substation at Rengpang was constructed with 132kV LI-LO transmission line on the then existing 132kV Jiribam-Leimatak line. At present, power to the substation is fed from the Leimatak side which is also a generating station under NHPC. The extremely challenging terrain, frequent landslides and ever growing vegetations (especially bamboos) has left the other alternate source of supply i.e. 132kV Jiribam-Rengpang transmission line into disuse. The area being susceptible to the recent public unrest in Manipur, timely maintenance of the said line had also been impossible.

The issue was discussed in the 28th TCC and NERPC meeting with MSPCL proposing to re-string the line. It was also discussed in the same meeting that the long outage of the 132kV Jiribam-Rengpang line is also causing the overloading of 132kv Loktak-Ningthoukhong line. The forum also stressed upon the early restoration of 132 kV Rengpang - Jiribam line.

However, the forum opined that the item for "Re-conductoring and Strengthening of 132kv S/C transmission line from 132/33kV Jiribam substation to 132/33 kV Rengpang substation" is to be further discussed in Sub-Committee meeting(s) for detailed study/deliberation/clarification and is therefore referred to the Sub-Committee(s) of NERPC.

The proposal was included in the "Intra State Transmission Resource Adequacy Plan for Manipur by the year 2034-35" of CEA.

Relevant portion of the "Report on the Intra State Transmission Resource Adequacy Plan for Manipur by the year 2034-35" of April 2025 is also enclosed for reference.

Considering the above facts and circumstances, the Committee may kindly approve the reconductoring and strengthening of 132kV S/C transmission line from 132/33kV Jiribam substation to 132/33kV Rengpang substation.

Sub-committee may deliberate

PART-C: METERING ITEMS

3.1. Time Drift Issues:

Time drift in SEMs may result in computational errors in Regional energy accounts & Weekly Loss. All constituents in whose premises the meters are installed are required to take corrective action for the same.

Time drift of more than 2 mins observed in the following meters:

S No.	ENTITY	FEEDER NAME	METER NO.	TIME DRIFT	REMARKS
1	MANIPUR	132 kV Ningthoukhong-PGCI-3	NE-0152-A	Around 04 mins 51 secs	
2	MANIPUR	132 kV Ningthoukhong-PGCI-2	NE-0151-A	Around 2 mins 34 secs	
3	MANIPUR	132 kV Ningthoukhong-PGCI-1	NP-9946-A	Around 05 mins	Line Under Shutdown
4	POWERGRID	220 kV Salakati-Alipurduar line Ckt#1	NP-7581-A	Around 02 mins 29 secs	

3.2. Issue in SEM data of 132 kV Dharmanagar end of Dullavcherra Feeder:

It has been observed that the data received from Dharmanagar end is erroneous and the same neither matches with SCADA data nor with data from Dullavcherra end. Several follow ups have been initiated regarding the matter with utility; however, matter is yet to be resolved.

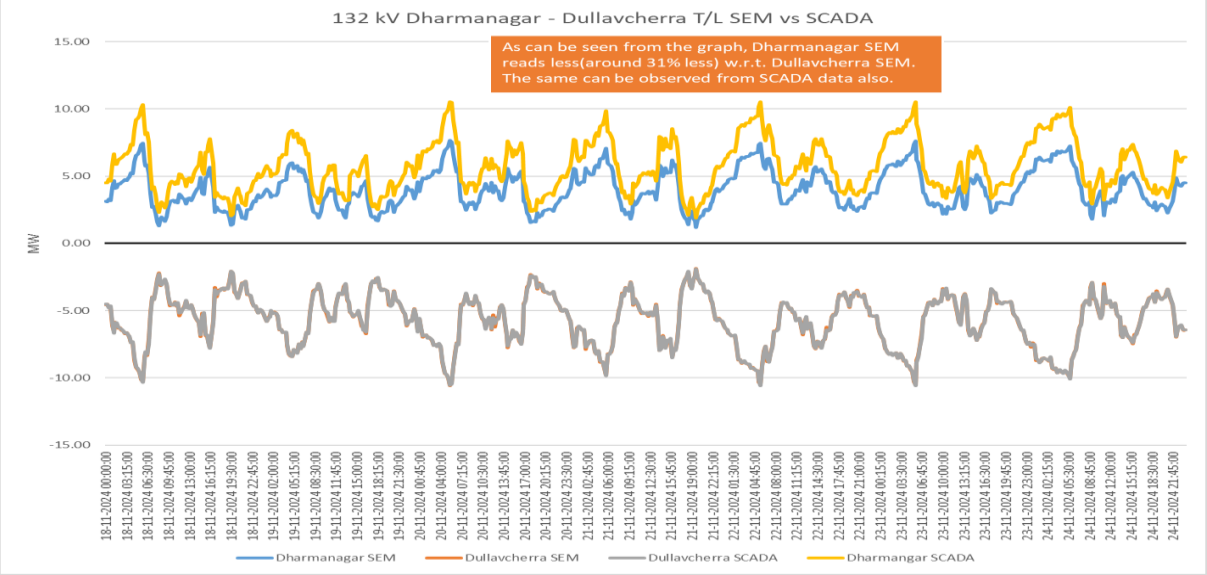
It is also to be noted that since 222nd OCCM, data from Dharmanagar S/S has not been received by NERLDC from said substation. Issue with Vinplus Software had been mentioned by Tripura in the previous OCCM.

In the 225th OCCM, Tripura apprised the forum that DCD data have been received at Ambassa and Dharmanagar substations. However, due to technical issue with Vinplus software, SLDC Tripura is unable to transfer the data to laptop. The forum advised Tripura to carry the laptop along with DCD data to Kumarghat substation where PGCIL will help Tripura to resolve the issue.

In the 226th OCCM, Tripura updated that issue will be tentatively resolved by next week.

However, the same is yet to be resolved. Tripura is hereby requested to provide updates on the issue and also provide contact details of personnel stationed at Dharmanagar S/S for future communication.

Forum may please Discuss.



3.3. Issue in receipt of data from 132 kV Tipaimukh S/S

Weekly SEM data from 132 kV Tipaimukh (Manipur) S/S is essential for accounting of Manipur Drawal. However, SEM data for said substation is

not being received. On query, downloading data from DCD to laptop has been failing.

In 223rd OCCM, Forum requested Powergrid to assist Manipur to rectify the issue. Manipur to send Laptop along with DCD available at Tipaimukh to Aizawl PG S/S for the same.

In the 224th OCCM, Manipur informed that the equipment is ready to be dispatched but due to Law-and-Order condition in the state, movement is restricted. They are unable to send laptop along with DCD to Aizawl S/S. Manipur agreed to do the same as soon as possible.

In the 225th OCCM, Manipur apprised the forum that the DCD data and the laptop are in Manipur and are inaccessible due to the current law and order situation in Manipur. Manipur further apprised the forum that the laptop has developed technical problems and is not functional currently. Member Secretary, NERPC advised Manipur to repair the laptop and resolve the issue at the earliest.

In the 226th OCCM, Manipur updated that the Laptop issue will be resolved by next week. However, data from said Substation is yet to be received at NERLDC end.

Status of the same may be reviewed.

3.4. Issue in Receipt of Data data from Udaipur S/S:

Weekly SEM data from 132 kV Udaipur(Tripura) Substation is not being received since replacement of old LnT Meter with Secure Make Meter on 23-12-2024(for 132 kV Udaipur end of Palatana T/L). In 222nd OCCM, the forum advised Tripura to resolve the issue by next OCC meeting. Data from the replaced meter is yet to be received by NERLDC.

In the 225th OCCM, Tripura apprised the forum that DCD data has been received at Udaipur substation. However, due to technical issue with Vinplus software, SLDC Tripura is unable to transfer the data to laptop. The

forum advised Tripura to carry the laptop along with DCD data to Kumarghat substation where PGCIL will help Tripura to resolve the issue.

In the 226th OCCM, Tripura updated that the issue will be resolved by next OCC meeting. Tripura may intimate present status of the same.

3.5. Receipt of SEM data from 132 kV Budhjungnagar, 132 kV Ambassa, 132 kV Dharmanagar, 132 kV PK Bari & 132 kV SM Nagar (TSECL) Substations:

As per 175th OCCM dated 18th Feb 2021 agenda D.12, Indigrid and Powergrid NERTS were given responsibility to collect and send SEM data on weekly basis for Tripura owned substations viz 132kV Ambassa S/s,132kV Budhjungnagar S/s, 132 kV PK Bari S/s and 132 kV SM Nagar S/s for the interim period, due to shortage of DCDs. The relevant extracts are furnished below

Quote:

"The forum noted that due to the existing shortage of DCDs, the same cannot be provided to Tripura for some time for new locations. This creates difficulty in getting SEM data from Budhjangnagar, Ambasa, PK Bari and SM Nagar. The Matter was discussed and it was decided that during the interim period Powergrid NERTS will provide readings from PK Bari and SM Nagar of Tripura and Sterlite will provide readings from Budhjangnagar and Ambassa of Tripura."

Unquote

As per IEGC 2023 Clause 49(12)(e) entity shall be responsible to send weekly meter data to RLDC. The relevant extracts are furnished below

Quote:

"Entities in whose premises the IEMs are installed shall be responsible for (i) monitoring the healthiness of the CT and PT inputs to the meters, (ii) taking weekly meter readings for the seven day period ending on the preceding Sunday 2400 hrs and transmitting them to the RLDC by Tuesday noon, in

case such readings have not been transmitted through automatic remote meter reading (AMR) facility (iii) monitoring and ensuring that the time drift of IEM is within the limits as specified in CEA Metering Regulations 2006 and (iv) promptly intimating the changes in CT and PT ratio to RLDC."

Unquote

In 221st OCCM, Tripura confirmed the receipt of 3 nos. of DCDs and that the same have been dispatched to Dharmanagar, Ambassa and SM Nagar(State) S/Ss. Tripura further intimated that the remaining works shall be completed by 21/12/2024 and the meters shall be reporting successfully from 23/12/24.

In the 226th OCCM, Tripura updated that the issue will be resolved by next OCC meeting.

However, data is yet to be received from concerned utilities on weekly basis.

Tripura may Update Status.

PART-D: ITEMS FOR UPDATE/FOLLOW-UP

4.1 Assessment of ERS requirement in NER at different voltage level in compliance with MoP/CEA guidelines

As per the direction of MoP (in 2014) ERS has to be arranged by Transmission Utiltiy as per the following criteria -

- One (1) set of ERS for Transmission Line Lengths upto 5,000 Ckt-kms
- Two (2) set of ERS for Transmission Line Lengths of about 5,000 to 10,000 Ckt-kms
- Three (3) set of ERS for Transmission Line Lengths of about 10,000 to 15,000 Ckt-kms and so on.

Note: Transmission Utility with line length less than 500 Ckt kms (of 400 kV) may be given option either to procure ERS or have arrangement with other Transmission utilities for providing ERS on mutually agreed terms, when need arises.

In this context assessment of ERS requirement for NER may be deliberated upon.

Deliberation of the sub-committee

Some utilities provide the status in the table below –

	Utility/state	Total ckt Km	No. of ERSs set required as the guideline	Availability of the ERS set
	Powergrid	9000	2	2
	KMTL	254	1	NIL
	Sterlite (NBTL+MUML)			
	NTL (Indigrid)			
	NETC			
	Ar. Pradesh			
	Assam	5426	2	2

	Manipur			
	Meghalaya	1048	1	NIL
	Mizoram			
	Nagaland			
	Tripura			

MS NERPC instructed all the remaining utilities to fill up the table and take necessary actions to procure the ERS or have arrangement with other Transmission utilities as the guideline above. Further he apprised the state utilities that PSDF funding can be availed for the ERS and requested them to prepare DPR for the same.

Utilities to update

4.2 Implementation/Review of Islanding schemes of NER:

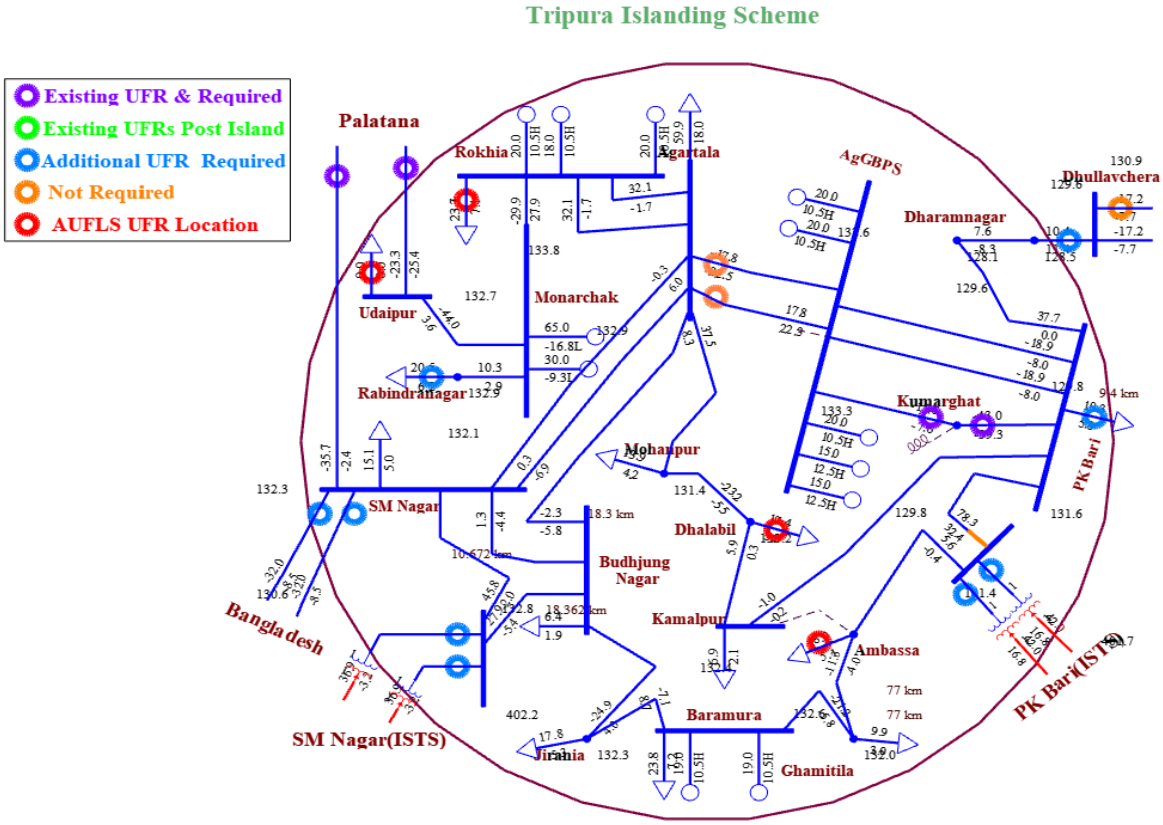
As per Clause 10 of the Central Electricity Authority (Grid Standards), Regulations, 2010: "Islanding Schemes- (1) The Regional Power Committees shall prepare Islanding schemes for separation of systems with a view to save healthy system fromtotal collapse in case of grid disturbance. (2) The Entities shall ensure proper implementation of the Islanding Schemes". In this regard the Islanding schemes which are being planned/have been implemented in NER are mentioned below, along with the updates from 226th OCCM.

A. Guwahati Islanding Scheme

Being discussed in TESG meetings. Queries raised by TESG being replied

B. Tripura/Agartala Islanding Scheme

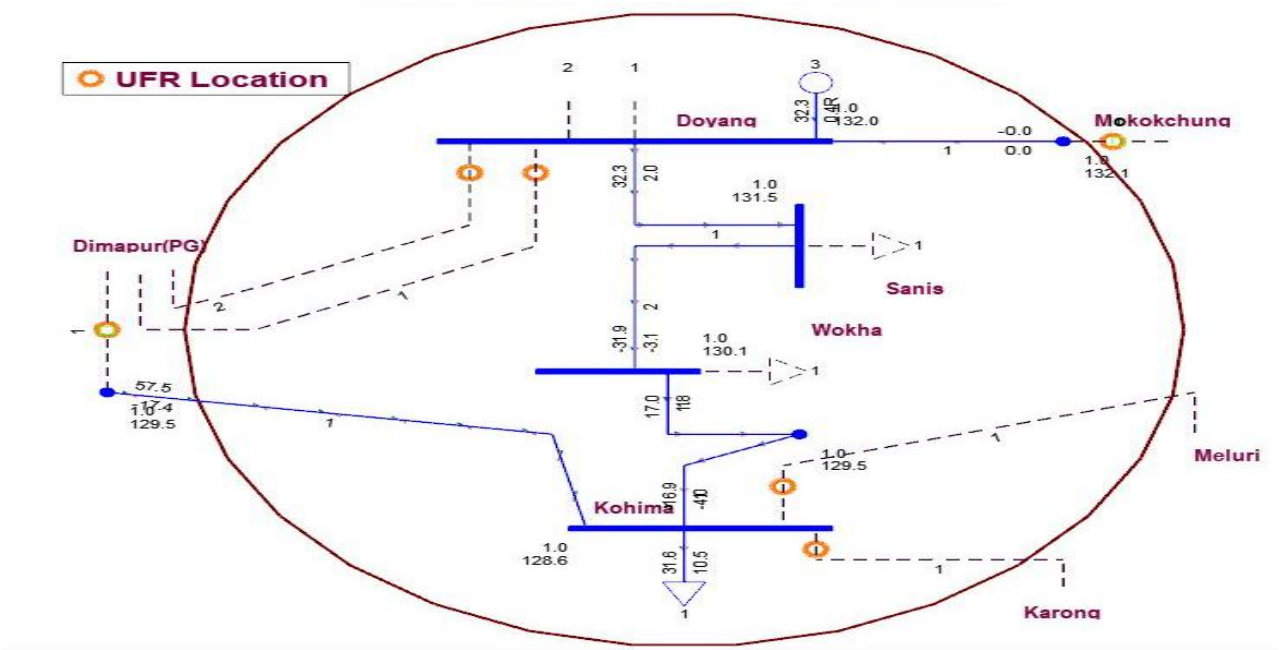
Scheme finalised in meeting held on 16.05.2025. Implementation to be done by Stakeholders



C. <u>Kohima Islanding scheme</u>

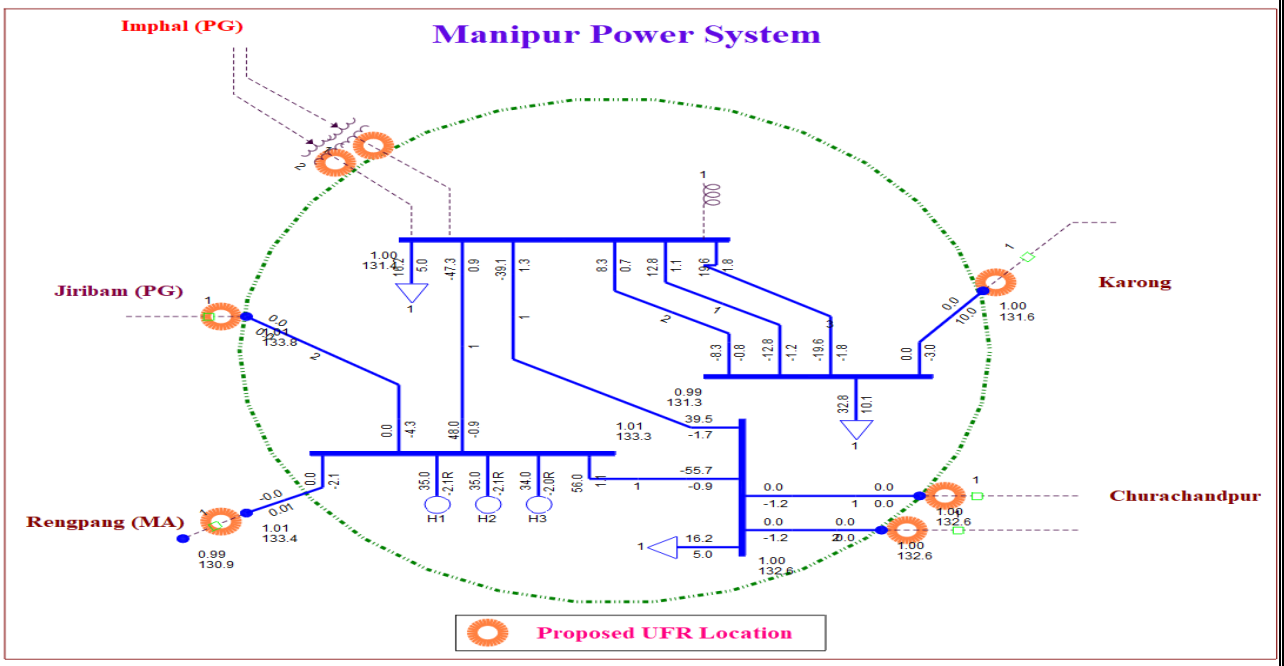
DoP Nagaland updated that the DPR preparation was underway, as they have not received budgetary offer from vendor. MS, NERPC urged DoP Nagaland to take the budgetary offer from a vendor at the earliest so that the same may be got approved in the upcoming RPC meeting.

NEEPCO apprised the forum that dynamic data for Doyang generator has been submitted to NERLDC. NERLDC further apprised that dynamic study yet to be done. Stability issue observed due to small units



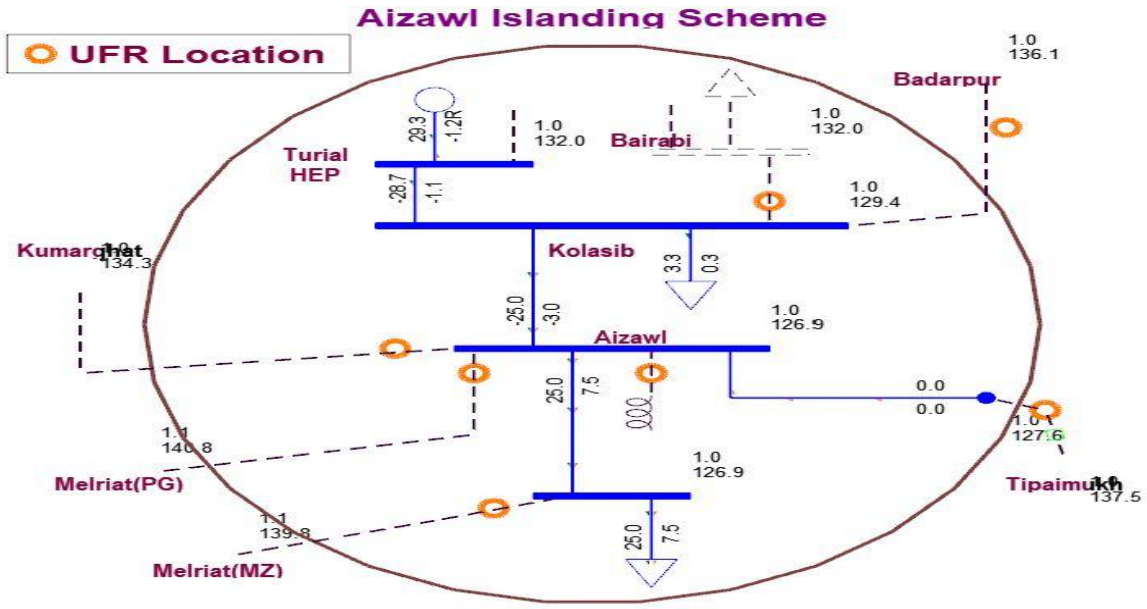
D. Imphal Islanding scheme

NERLDC apprised the forum that data from NHPC Loktak has been received. Dynamic study is going on and is expected to be completed shortly



E. Aizawl Islanding scheme

It was informed that the scheme has been finalised in meeting held on 08.05.2025. Implementation to be done by Stakeholders



F. Meghalaya/Shillong Islanding Scheme

NERLDC informed that Stability issues observed due to small units. Kopili may considered at the place of Umiam generators

Utilities may further update

4.3 Automatic Under Frequency Load shedding (AUFLS) scheme of NER:

Status as updated in 226th/225thOCCM

Name of the State/utility	Installation of UFRs	Status of mapping
Ar. Pradesh	Completed	DoP Arunachal Pradesh stated that mapping of feeder at Lekhi SS (Industry feeder, stage 1) completed For rest of the feeders and substations, coordination with GE is underway and will be taken up gradually.
Assam	Completed	Completed
Manipur	UFR installed but not enabled as system integration work is pending with GE. To be completed by June'25 end	Mapping is pending from substations end, which is being hampered due to Law & Order situation in the State. Also, system integration work is

		pending due to payment issue with M/s GE.
Meghalaya	Completed	Completed
Mizoram	Completed	Coordination with GE is underway for mapping.SCADA integration of Shimui completed but mapping left due to fibre issue. Coordination with PGCIL required. Mizoram further apprised that there is problem with SCADA display at Luangmualsubstation due to RTU issue. Issues to be resolved shortly
Nagaland	Completed	Completed
Tripura	Completed	Tripura apprised the forum that that mapping at Ambassa is completed but integration is left, to be completed by next OCCM

Forum noted the status updated as provided in the above table. NERPC informed that AUFLS quantum has been revised for NER for the FY 2024-25 and presented the revised quantum for load shedding to the forum, which is provided below: –

UFR load shedding for NER States for the FY 2024-25

State	**stg I (MW)**	**Stg II**	**Stg III**	**Stg IV**
Ar. Pradesh	8.659594937	10.39151392	12.12343291	12.12343291
Assam	112.3419494	134.8103392	157.2787291	157.2787291
Manipur	11.54612658	13.8553519	16.16457722	16.16457722
Meghalaya	18.85556962	22.62668354	26.39779747	26.39779747
Mizoram	7.542227848	9.050673418	10.55911899	10.55911899
Nagaland	8.100911392	9.721093671	11.34127595	11.34127595
Tripura	16.85362025	20.2243443	23.59506835	23.59506835

Total	183.9	220.68	257.46	257.46

For FY 2023-24 (already under operation)

State	stg I (MW)	Stg II	Stg III	Stg IV
Ar. Pradesh	10	14	12	10
Assam	90	125	113	115
Manipur	10	10	10	10
Meghalaya	25	25	25	25
Mizoram	5	5	5	5
Nagaland	10	10	10	10
Tripura	15	12.2	21.2	30
Total	165	201	196	205

Regarding implementation of revised quantum, Manipur, Mizoram and Tripura left, to be done shortly.

Utilities may further update

4.4 Monthly Review of LGBR

PARTICULARS (Peak Demand in MW as per LGBR vs Actual)	Mar-25 (LGBR)	Mar-25 (Actual)	Apr-25 (LGBR)	Apr-25 (Actual)	May-25 (LGBR)	May-25 (Actual)
Arunachal Pradesh	180.30	180	200	172	217	184
Assam	1979.00	1917	2203	2081	2629	2336
Manipur	246.39	213	234	228	247	248
Meghalaya	445.00	343	455	340	439	339
Mizoram	149.00	151	143	138	141	138
Nagaland	180.00	164	185	176	192	187

Tripura (exc. Bangladesh)	304.90	317	384	334	423	347
NER DEMAND (exc. Bangladesh)	3302.70	3273	3689	3344	4066	3606

PARTICULARS (Energy Requirement in MU as per LGBR vs Actual)	Mar-25 (LGBR)	Mar-25 (Actual)	Apr-25 (LGBR)	Apr-25 (Actual)	May-25 (LGBR)	May-25 (Actual)
Arunachal Pradesh	109.61	94.48	82	86.37	82	97.2
Assam	1012.00	945.66	1108	1012.34	1108	1135.9
Manipur	98.00	90.43	94	86.13	94	96.9
Meghalaya	223.00	172.39	195	164.13	195	167.8
Mizoram	78.76	100.81	62	59.72	62	59.9
Nagaland	82.00	73.06	76	75.51	76	82.3
Tripura (excl. Bangladesh)	132.23	108.88	180	165.99	180	169.1
NER DEMAND (exc. Bangladesh)	1735.60	1586.32	1797	1650	1797	1809

LGBR projection for June'25, July'25 and August'25

PARTICULARS (Peak Demand in MW as per LGBR)	Jun-25 (MW)	Jun-25 (MU)	July-25 (MW)	July-25 (MU)	Aug-25 (MW)	Aug-25 (MU)
Arunachal Pradesh	185	93	204	99	214	111
Assam	2586	1312	2787	1543	2835	1521
Manipur	247	105	229	91	261	85
Meghalaya	370	183	401	191	384	190
Mizoram	136	58	141	65	164	59
Nagaland	200	95	205	105	203	92
Tripura (exc. Bangladesh)	380	179	394	205	381	237
NER DEMAND (exc. Bangladesh)	3899	2025	4158	2300	4265	2294

Sub-committee may deliberate

4.5 Non-Functionality of online transfer of elements at Kameng HEP

It has been observed that Kameng HEP reported the inability to perform online transfer of elements at their 400 kV substation, which operates under a Double Main Bus cum Transfer bus scheme, this issue came to light during an emergency shutdown for attending a hotspot on the Bus Coupler isolator connected to Bus-B.

As per the standard protocol, NERLDC Control Room instructed Kameng HEP to carry out the online transfer of all associated elements and proceed with the shutdown of the affected isolator on Bus-B R-phase. However, Kameng HEP expressed its inability to execute the transfer online, citing safety concerns due to high sparking observed in previous attempts. In view of the above, Kameng HEP requested a complete shutdown of both 400 kV buses to facilitate the maintenance activity.induction voltage of approximately 2.2 kV was reported, further reinforcing the safety risk to personnel and equipment.

It is important to note that the Kameng HEP switchyard is configured under a Double Main Bus cum Transfer Bus scheme, which is typically designed to allow seamless transfer of elements between buses without compromising the continuity of supply to healthy elements. The current limitation in transferring elements online is a cause for concern and needs to be addressed promptly.

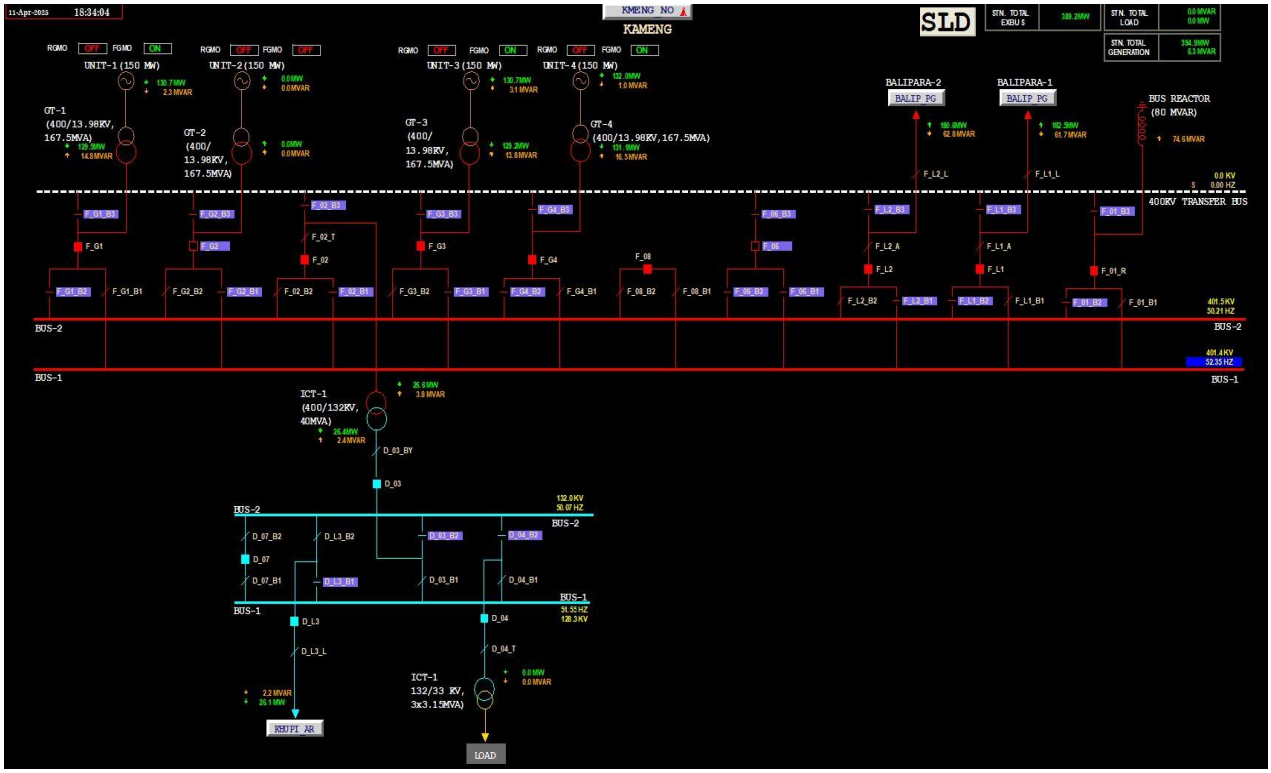


Fig: Kameng HEP Switchyard

Therefore, we request Kameng HEP to take appropriate corrective measures to ensure the reliable and secure operation of the Kameng 400/132 kV switchyard. Given that the Khupi area of the Arunachal Pradesh power system is interconnected with the Kameng system, any unplanned or forced outages at Kameng HEP could severely affect the reliability and stability of the entire North Eastern Region (NER) power grid.

In 225th OCCM, NEEPCO apprised the forum that flashover across isolators have been observed in the previous attempts which may cause safety risks to persons and equipment. He added that the humid weather, which is persistent in the area, is the main reason for the flashover.

NEEPCO requested that online transfer may be attempted during sunny weather in coordination with NERLDC. Forum agreed to the suggestion of NEEPCO. The matter will be taken up the OEM if the issue persists after trial in sunny weather.

In 226th OCCM, the forum noted that as discussed in the 225th OCC

meeting,NEEPCO was to first attempt the transfer in Sunny weather and if the issue persisted, OEM had to be consulted. Further, MS NERPC requested NEEPCO to carry out the exercise at the earliest and the matter will be taken up regularly in the OCC meeting.

NEEPCO may update

4.6 Status Update and Revival Plan for Long-Outage NER Generators & Transmission Lines

The following NER generators & transmission lines have been under outage since long time. Considering the increasing demand trend and reliable power supply in the Region, respective utilities are requested to intimate the updated expected date of revival & take necessary action to restore the mentioned units & lines at earliest:

Generating Units:

As updated in 226th OCC meeting

S. No.	Element Name	Outage time	Reason	Expected date (as updated in 226th OCCM)
1	Khandong Unit I	10:45 Hrs of 26-03-2022	Flash flood of reservoir causing submergence of the Khandong station	Khandong Unit I-May 2025
2	Khandong Unit II	10:45 Hrs of 26-03-2022		Khandong Unit II-July 2025
3	LTPS Unit 7 (20 MW)	17:08 hrs of 08-04-2024	High Vibration issue in Bearing Block-4 turbine bearing of gas turbine	Spare not available, waiting for OEM reply. Process may take significant time.
4	Baramura Unit 5 (21MW)	20:17 Hrs of 26-03-2024	Outage due to low gas pressure.	Machine Ok. Gas availability issue.

5	Baramura Unit 4	23:20 Hrs of 05-06-2024	gear box issue, leakage in auxiliary of gear box, display of control unit is not working due to suspected card issue	Baramura Unit 4. Tripura apprised that there is technical problem in rotor. Nonfunctional due to non-availability of gas. Forum advised to resolve rotor issue in the unit.
6	Rokhia Unit 8	22:13 Hrs of 02-05-2024	Hand Tripped due to low Gas Pressure. Issue of turbine bearing leakage observed.	In service. Gas constraint issue. Advised to swap units and confirm the healthiness of all machines. Machines may run alternatively in order to maintain healthiness
7	Rokhia Unit - 7	14:06 Hrs of 06-11-2024	Leakage in Heat Chamber	In service. Gas constraint issue
8	Kameng Unit 2	07:31 Hrs of 17-06-2024	Damage in the stator core & bar, and also on rotor poles due to dislodging of 1no. V-block	June-2025

Transmission Lines:

As updated in 226th OCC meeting

S	Element Name	Outage	Reason	Expected date (as

. No.		**time**		**updated in 226th OCCM)**
1	400 kV Imphal - Thoubal I	18-10-2021	Tripped on DP, ROW issue.	RoW issue. Law and order situation is fragile.
2	132 kV Kohima - Meluri	27-09-2023	S/D taken by Kohima trans. Div. for dismantling of Tower no. AP 130	Line charged 26.04.2025
3	132 kV Jiribam-Rengpang	17-11-2023	Tripped on Earth fault	Tower shifting required due to NHIDCL work. Resurvey done in 1st week of May'25. 16 towers affected. Revival will take significant time.
4	132kV Ningthoukhong - Churachandpur ckt 1	04-08-2024	Z-1, 18.5 km, O/C	Elements under outage for more than 6 months and as elements is under intra-state jurisdiction, SLDC may follow their FTC procedure (SIO etc may be obtained) and copy may be given to NERLDC.
5	132 kV Imphal-Ningthoukhong	13-02-2025	Stringing and termination of	However. PTCC clearance pending

	line 1		diverted SC 132kV Leimatak-Mao line (MSPCL) from existing tower no. 83 to tower no. 101 (to avoid infringement with proposed Imphal Railway Station under Jiribam-Imphal New Railway line on turnkey basis). The Railway diversion reference is for the old line namely 132kV Leimatak-Ningthoukhong-Yurembam-Mao which is now 132kV Leimatak-Ningthoukhong-Imphal PG-Yurembam-Karong line. The diversion portion presently considered is from tower loc no. 83 to 101 of 132kV Imphal PG - Ningthoukhong line ckt 1.	from Defence department. Letter sent to Delhi.
6	132kV Srikona	14-01-	-	Survey for rerouting

	– Panchgram	2019		in process.

Utilities may further update

4.7 Submission of Dynamic Model for ±800 kV MTDC Agra-BNC-Alipurduar

As you are aware, GRID-INDIA is responsible for ensuring the secure and reliable operation of the Indian power system. A critical aspect of this responsibility involves conducting system studies and power system stability simulations to proactively implement measures for grid security.

In this regard, the submission of the dynamic model for the ±800 kV Agra-BNC-Alipurduar HVDC MTDC has already been communicated by NLDC, GRID -INDIA.

However, we have not yet received the required dynamic model. ***This data is crucial for islanding formation studies, especially considering that the ±800 kV MTDC Agra-BNC-Alipurduar operates in frequency control mode.***

In 226th OCC meeting, NERTS updated that the response is still awaited from the corporate office and requested NERLDC to take up the matter with NLDC.

MS NERPC stated that NERPC will write a letter to NDLC to facilitate testing of ±800 kV MTDC Agra-BNC-Alipurduar in frequency control mode.

Sub-committee may deliberate

4.8 Mock Black Start of Units in compliance with IEGC:

As per IEGC Clause 34 (3), The user shall carry out a mock trial run of the procedure for different sub-systems including black-start of generating units along with grid forming capability of inverter based generating station and VSC based HVDC black-start support **at least once a year** under intimation to the concerned SLDC and RLDC.

Accordingly, Mock Black Start of the following generating plants were conducted for the FY 2024-25:

Sl. No.	**Name of Power station**	**Date of Mock exercise**
1	AGBPS GTG 4	14-05-2024
2	Kopili Unit 1, 3 & 4	Completed (U I & III 09th March 25 & U II & IV 10th March 25)
3	AgGBPS GTG 2	11-09-2024

All utilities are requested to submit the latest status of planning related to mock black-start trials of ***all units*** that are pending or yet to be conducted and to complete these activities within FY 2024-25 to ensure compliance with IEGC.

Mock Black Start of the following generating plant are pending:

Sl. No.	**Name of Power station**	**Last date of Mock exercise**	**Expected date of Mock exercise**
1	Doyang HEP	12-05-2023	Unit II Completed on 04/04/2025.
2	Khangdong Stg-2 HEP	-	November-2025
3	Kameng HEP	-	November-2025
4	Loktak HEP	31-07-2023	May-2025
5	Pare HEP	10-01-2024	November-2025
6	Panyor HEP	30-05-2023	May-2025
7	Turial HEP	-	Completed on 08/04/2025.

In 226th OCCM, MS NERPC exhorted the concerned generating utilities to carry out the exercise as early as possible.

Generating utilities to update

4.9 Urgent Review of Online Element Transfer at PLHPS

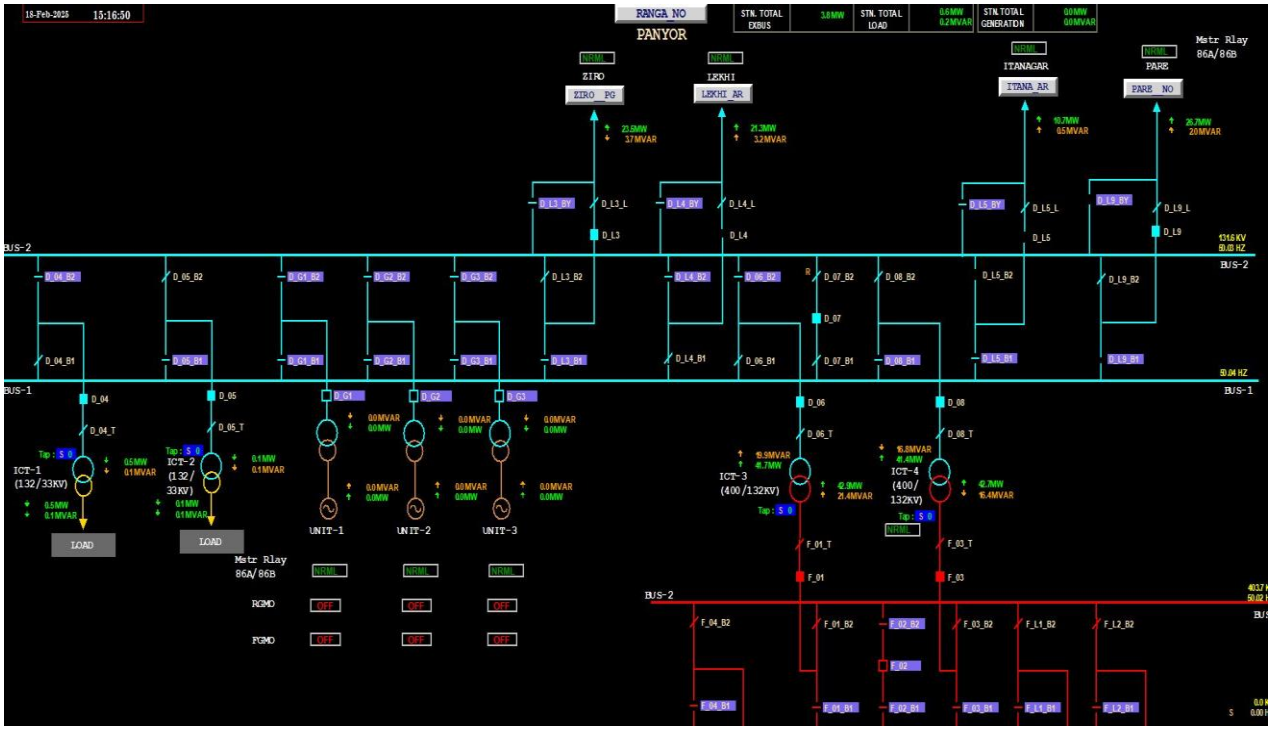
The Bus Scheme of PLHPS at the 132 kV level is a Double Main scheme, as confirmed via email. In this type of bus arrangement, the online transfer of elements from one bus to another can be performed seamlessly without any interruption in power flow.

As per the decision of the previous OCC forum, NERLDC requested PLHPS to transfer of an element to another bus on January 28, 2025, to facilitate the testing and verification of the healthiness of the non-energized element. However, in response to this request, Panyor NEEPCO stated that the existing scheme of PLHPS does not permit the online switching of isolators and that such an operation has never been carried out since the commissioning of the station.

This issue has already been raised with the NEEPCO team, highlighting that online bus transfers of elements are being successfully performed at multiple stations within the NER Grid, including AgGBPS, which is also owned by NEEPCO. However, PLHEP executives have consistently denied such operations, citing that they have never been practiced at their station.

It is important to note that with the commissioning of the 132 kV Roing-Chapakhowa D/C line and the increasing industrial load in the Pasighat area, the 132 kV Panyor-Ziro-Daporijo-Basar-Along-Pasighat-Roing-Chapakhowa link has become vital for Arunachal Pradesh and Assam power systems.

Given the importance of ensuring system reliability, a review of the non-transfer of elements at PLHPS is strongly recommended. If online element transfers are indeed not feasible under the current setup, experienced personnel should be consulted to explore possible solutions and address the issue effectively.



In 225th OCC meeting, NEEPCO informed that there is alignment issue with isolator which is hampering online transfer of the elements. He added that they are expediting the resolution of the matter at the earliest.

In 226th OCCM, forum opined that ensuring the online element transfer facility at the station is critical for reliable operation of the grid and urged NEEPCO to present a plan for rectification/replacement of the isolators before next OCC meeting.

NEEPCO to update

4.10 Compliance with Annual Measurement of Harmonics, DC Injection, and Flicker as per CEA Regulations

As per the CEA (Technical Standards for Connectivity to the Grid) Regulations, Clause B1(4), Measurement of harmonic content, DC injection and flicker shall be done at least once in a year in presence of the parties concerned and the indicative date for the same shall be mentioned in the connection agreement;

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

In accordance with this regulation, all Wind generating stations and generating stations using inverters connected to the grid are required to perform this test annually and submit the test report to the relevant utility authorities. All utilities are requested to provide an update on the current status of test reports and outline their future testing plans as per CEA guidelines.

In 224th OCC meeting, NERLDC apprised that no wind generators or inverter-based generators have provided any test reports so far. Forum requested the SLDCS of the states where such plants are located, to take up the matter with developers of such plants to and provide a testing plan and reports to NERPC and NERLDC at the earliest.

Further, MS NERPC informed that regarding the uniform guidelines on Harmonics measurement by transmission and generating utilities, matter has been put for discussion in the upcoming NPC meeting.

As per 225th OCC meeting, forum noted that agenda for uniform procedure has been put up in NPC for further deliberations. Moreover, the forum advised SLDCs to update the status of the harmonic content contribution from solar and wind generators.

Deliberation of the 226th OCCM

NERLDC informed that a mail has been sent by NERPC to the concerned states to provide testing details and reports for the Solar, Wind and IBR based generators but the reply is still awaited.

Assam informed that the matter is being taken up with the Solar developers.

Mizoram informed that price quotation has been asked from various agencies to carry out the tests at Selrui Solar plant and the reply is still awaited.

Forum exhorted the Asam and Mizoram to provide the required details at the earliest to NERPC and NERLDC. Also, the forum requested state SLDCs to provide the charging clearance for Solar, wind and IBR based plants only after ensuring compliance with CEA regulations on testing of Harmonics, DC injection and flicker. SLDs agreed to the same.

States to update

4.11 Submission of Healthiness Status of Under Frequency Relays (UFRs)

The North Eastern Region (NER) grid incorporates multiple islanding schemes, which are critical for maintaining grid stability during contingencies. These schemes are primarily based on the operation of Under Frequency Relays (UFRs).

For the successful operation of the islanding schemes and protection scheme, it is imperative that the designated UFRs are in a healthy condition and functioning correctly. In this regard, all utilities are kindly requested to submit the healthiness status of their respective UFRs, based on recent tests conducted to assess their performance. Please ensure the following while submitting report to NERPC and NERLDC:

- Clearly indicate the location and identification of each UFR.
- Mention the date and methodology of the last healthiness test.
- Include test results and any corrective actions taken (if applicable)

In 226th OCC meeting, Forum requested all the utilities to periodically test the healthiness of UFRs, used in AUFLS scheme and Islanding schemes, under their domain and send the reports to NERPC and NERLDC. The

Forum also advised NERLDC to prepare a testing calendar for UFR testing, which may be jointly witnessed by NERPC and NERLDC.

NERLDC to update

4.12 Performance of online network estimation tools at RLDC:

IEGC mandates RLDCs and SLDCs to utilize the network estimation tool integrated in their EMS and SCADA systems for the real time operational planning study. Also, performance of the online estimator tools shall be reviewed in monthly operational meetings as per IEGC Regulation 33(2). Quote:

"*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 telemetryrelated issues impacting the online network estimation tool shall be monitored by RPC for their early resolution.*"

Unquote:

The performance of online network estimation tools at NERLDC is shown below:

14-May-2025 10:32:50

Difference & % Error of RTCA and RTNET

Constituents	SCADA	RTCA		RTNET	
		Difference	Error %	Difference	Error %
NER Generation	1495	386	13.00	29	1.00
NER Load	2140	338	12.00	29	12.00
Tripura	231	85	35.00	85	35.00
Assam	1272	553	31.00	553	31.00
Meghalaya	201	29	12.00	29	12.00
Manipur	141	27	23.00	27	23.00
Arunachal	129	41	30.00	41	30.00
Nagaland	84	37	30.00	37	30.00
Mizoram	82	14	12.00	14	12.00

Similarly, SLDC's are requested to present their online network estimation tool performance in the monthly operational meeting of RPC to comply with IEGC regulation 33(2).

In 226th OCCM, NERLDC informed that workshop will be conducted between 4 to 6thJune'25.All concerned officers of the SLDCs are requested to participate in the workshop, as the faculty will include industry professionals as well as experts from GRID-INDIA.

NERLDC to update

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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)]
राष्ट्रीय भार प्रेषण केन्द्र / National Load Despatch Centre

आज़ादी का अमृत महोत्सव

कार्यालय : बी-9, प्रथम एवं द्वितीय तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
Office : 1st and 2nd Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016
CIN : U40105DL2009GOI188682, Website : www.grid-india.in, E-mail : gridindiacc@grid-india.in, Tel.: 011- 42785855

Ref: NLDC/SO-I/ 298

Date: 21st Mar 25

To,
Executive Director
NRLDC/WRLDC/SRLDC/ERLDC/NERLDC

Subject: Expeditious Registration of Intra-State Generating Stations in NOAR

Dear Sir,

As you may be aware, a High-Level Committee (HLC) has been constituted under the Chairmanship of the Additional Secretary (Power) to monitor the offering of power by generators and load shedding by distribution licensees. The registration status of GENCOs in the National Open Access Registry (NOAR) has been a recurring point of discussion.

Despite earlier communications to the respective states, advising GENCOs to register in NOAR, no significant progress has been observed. In the last HLC meeting held on 3rd March 2025, Grid-India was directed to request all Managing Directors (MDs) of GENCOs to expedite the registration process on the NOAR portal. Additionally, GENCOs were asked to provide detailed reasons for the delay in registration despite continuous follow-ups.

It is pertinent to mention that registration is also essential for compliance with the Late Payment Surcharge (LPSC) Rules. In this regard, it is requested to kindly ask from each GENCO the following:

- Completion of registration of all generating stations on the NOAR portal at the earliest.
- Reasons for non-registration of the plants until now and a timeline and relevant details (expected date of registration, issues faced, etc.)

As per the minutes of the meeting (annexure-I), Grid-India is asked to present the above details in the next HLC meeting, which is expected to be scheduled soon. Therefore, consolidated inputs from all GENCOs in your region may please be forwarded to NLDC at the earliest, and latest by 28.03.2025 to facilitate compilation for the meeting.

A plant-wise list of stations, not yet registered on the NOAR portal, is attached as an annexure-II for reference.

Your cooperation in ensuring the timely submission of the required details will be highly appreciated.

Regards

S. Usha
Executive Director, NLDC

Encl.: As above

For kind information:

1. Chairman and Managing Director, Grid India
2. Director (SO/MO), Grid India

ANNEXURE-I

No.20/1/2024-DS(271942)
Government of India
Ministry of Power
******

Shram Shakti Bhawan, Rafi Marg
New Delhi, Date:7th March, 2025

MINUTES OF MEETING

Subject: Minutes of the 6th Meeting of the Committee to monitor offering of power by Generators and load shedding by Distribution Licensees.

The undersigned is directed to forward herewith the Minutes of 6th Meeting of the Committee to monitor offering of power by Generators and load shedding by Distribution Licensees, held on 03.03.2025 under the Chairmanship of Additional Secretary (Power), for information and necessary action.

Encl. as above

Vkumar
7/3/2025

(Vikash Kumar)
Under Secretary (Distribution)
Tel: 011-23705268
Email: vikash.69@gov.in

To:

All Committee Members

Minutes of 6th meeting of the High-Level Committee to monitor offering of power by Generators and load shedding by Distribution Licensees.

The 6th Meeting of the High-Level Committee was held under the chairmanship of Additional Secretary (Power) on 03.03.2025. The list of participants is at **Annexure I.**

2. Deputy Secretary (Distribution), Ministry of Power welcomed all committee members and other participants from various departments of Ministry of Power, Grid -India, RECPDCL, PFC and Officials from DISCOMs.

3. ATR of 5th Meeting was presented during the meeting. The deliberations during the meeting are summarised below.

3.1. **Formation of monitoring cells and automatic compensation process**

(i) It was informed that out of 36 States/UTs, monitoring cells have been formed in 5 States/UTs (Gujarat, Madhya Pradesh, Andhra Pradesh, J&K, Ladakh), and remaining States/UTs will constitute monitoring cells by March '25.

3.2. **Offering of power by GENCOs under LPS rules.** It was informed that 3 new gas plants have been registered on the NOAR portal.

3.3. **NFMS report on power outages**

It was informed that out of 2.52 lakh feeders, 2.04 lakh feeders are now monitored across all States/UTs. Further, hours of supply data is now shared with the DISCOMs on a daily basis for necessary action.

3.4. **Discussion on PIB Reports on Power Outages**

(i) **Telangana:** It was informed that outages were due to tree branchs falling on lines and routine maintenance of LT lines. Supply was restored the next day.

(ii) **Haryana:** Representative of DISCOM informed that the outage was due to fire in the 220kV Substation, which led to a 36-hour power outage in some sectors of Gurugram.

4. After detailed deliberations, the following recommendations were made:

a. SERCs/JERCs may be followed up to expedite the formation of monitoring cells. **(Action by: RCM Div)**

b. States/UTs may be followed up to expedite the registration of GENCOs on NOAR portal. Grid India may write to MDs of GENCOs for registration in the portal and present a report in next meeting highlighting the reasons for non-registration. **Action by: GRID-INDIA, RCM Div)**

c. Correct hours of supply data may be acquired from Rajasthan DISCOMs (JdVVNL, JVVNL) **(Action by: RECPDCL)**

d. Balance approximately 50,000 feeders may be integrated with NFMS portal expeditiously. **(Action by: RECPDCL)**

The meeting ended with a vote of thanks to all participants.

****

Annexure-I

List of Participants

S. No.	Name	Designation
Ministry of Power		
1.	Sh. Srikant Nagulapalli	Additional Secretary (Power)
2.	Sh. Sunil Kumar Sharma	Director (RCM)
3.	Sh. Praveen Kumar Dudeja	Director (OM)
4.	Sh. Aravind Kumar M.K.	Deputy Secretary (Distribution)
Grid-India		
5.	Sh. Suhas Dambhare	CGM, NLDC
6.	Sh. Anoop Sharma	Deputy Manager
RECPDCL		
7.	Sh. T. S. C. Bosh	CEO (RECPDCL)
8.	Sh. Jaspal Kushwah	GM, RECPDCL
PFC		
9.	Sh. Mayank Sharma	DGM (PFC)
DISCOMs		
10	Officials from the DISCOMs of state of Haryana and Telengana through VC.	

ANNEXURE-II

Status as on 03-03-25

Intra-state* Coal (inc. lignite) Plants			
State	**Total No.**	**Registered in NOAR**	**Name of the plants NOT registered**
Haryana	4	0	Panipat, Rajiv Gandhi, Yamuna Nagar, Mahatma Gandhi
Punjab	5	0	Lehra Mohabbat, Ropar, Goindwal Sahib, Rajpura, Talwandi Sabo
Rajasthan	12	3	Chhabra-II, Chhabra-I Ph-1, Chhabra-I Ph-2, Kalisindh, Kota, Suratgarh STPS, Suratgarh TPS, Giral
Uttar Pradesh	16	4	Anpara, Harduaganj, Jawaharpur, Obra, Parichha, Lalitpur, Rosa Ph-I, Barkhera, Khambarkhera, Kundarki, Maqsoodpur, Utraula
Chhattisgarh	5	0	DSPM, Korba-West, Marwa, Katghora, Swastik Korba
Gujarat	12	9	Sabarmati (D-F Stations), Akrimota (Lignite), Surat (Lignite)
Madhya Pradesh	6	2	Amarkantak Ext., Sanjay Gandhi, Satpura, Shree Singaji
Maharashtra	18	13	Bela, Dahanu, Butibori, Mihan, GEPL Ph-I
Andhra Pradesh	5	1	Dr. N. Tata Rao, Rayalaseema, Damodaram Sanjeevaiah, Vizag
Karnataka	6	2	Bellary, Raichur, Yermarus, Adani Power Limited Udupi
Tamil Nadu	8	1	Mettur, Mettur-II, North Chennai, Tuticorin, Neyveli(Z), Tuticorin St-IV, Tuticorin(P)
Telangana	6	0	Singareni, Bhadradri, Kakatiya, Kothagudem (New), Kothagudem (Stage-7), Ramagundem-B
Jharkhand	2	0	Tenughat, Jojobera
Odisha	3	1	IB Valley, Vedanta/Sterlite
West Bengal	12	0	D.P.L., Bakreswar, Bandel, Kolaghat, Sagardighi, Santaldih, Budge Budge, Haldia, Hiranmaye, Southern, Titagarh, Dishergarh
DVC	7	6	Bokaro `A` Exp.
TOTAL	**127**	**42**	85 non-registered

*incl. state IPP and plants scheduled by the state (SLDC)

Status as on 03-03-25

Intra-state* Hydro Plants			
State	**Total No.**	**Registered in NOAR**	**Name of the plants NOT registered**
Himachal Pradesh	12	4	Bassi, Giri Bata, Larji, Sanjay, Integrated Kashang, Shanan, Chanju-I, Baspa
Jammu & Kashmir	6	2	Lower Jhelum, Upper Sindh-II, Chutak, Nimoo Bazgo
Punjab	7	0	Anandpur Sahib-I, Anandpur Sahib-II, Mukerian-I, Mukerian-II, Mukerian-III, Mukerian-IV, Ranjit Sagar
Rajasthan	4	0	Jawahar Sagar, Mahi Bajaj-I, Mahi Bajaj-II, R P Sagar
Uttarakhand	15	1	Chibro (Yamuna), Chilla, Dhakrani, Dhalipur, Khatima, Khodri, Kulhal, Maneri Bhali-I, Maneri Bhali-II, Ramganga, Vyasi, Shrinagar, Vishnu Prayag, Khara
Uttar Pradesh	3	0	Matatila, Obra, Rihand
Madhya Pradesh	11	0	Indira Sagar, Omkareshwar, Bansagar Tons-I, Bansagar Tons-II, Bansagar Tons-III, Bargi, Gandhi Sagar, Rana Pratap Sagar, Jawahar Sagar, Madhikhera, Rajghat
Maharashtra	13	0	Bhira Tail Race, Koyna DPH, Koyna-I&II, Koyna-III, Koyna-IV, Tillari, Vaitarna, Pench, Bhandardhara St-II, Bhira, Bhivpuri, Khopoli, Ghatgarh
Chhattisgarh	1	0	Hasdeobango
Gujarat	2	0	Ukai, Kadana
Andhra Pradesh	5	0	Lower Sileru, N J Sagar RBC & Ext., Srisailam, Upper Sileru-I&II, Srisailam LBPH, Machkund^
Telangana	6	0	Priyadarshini Jurala, Pochampad, N'Sagar, N J Sagar LBC, Lower Jurala, Pulinchinthala
Karnataka	16	0	Almatti, Gerusoppa (Sharavathy Tail Race), Ghat Prabha, Mahatma Gandhi (Jog), Kadra, Kalinadi (Nagjhari), Kalinadi (Supa), Kodasali, Lingnamakki, Munirabad, Sharavathy, Sivasamundrum, Varahi, Bhadra, T B Dam, Hampi
Kerala	14	0	Idamalayar, Idukki, Kakkad, Kuttiyadi, Kuttiyadi Extn., Kuttiyadi Additional Extn., Lower Periyar, Nariamangalam, Pallivasal, Panniar, Poringalkuttu, Sabirigiri, Sengulam, Sholayar
Tamil Nadu	27	0	Kadamparai, Aliyar, Bhavani Kattalai Barrage-I, Bhavani Kattalai Barrage-II, Bhavani Kattalai Barrage-III, Kodayar-I, Kodayar-II, Kundah-I, Kundah-II, Kundah-III, Kundah-IV, Kundah-V, Lower Mettur-I, Lower Mettur-II, Lower Mettur-III, Lower Mettur-IV, Mettur Dam, Mettur Tunnel, Moyar, Papanasam, Parson'S Valley, Periyar, Pykara, Pykara Ultimate, Sarakarpathy, Sholayar-I, Suruliyar
DVC	4	0	Maithon, Panchet, Subernrekha-I, Subernrekha-II
West Bengal	5	0	Purulia, Jaldhaka, Rammam, Teesta Low Dam-III, Teesta Low Dam-IV
Odisha	6	0	Balimela, Hirakud (Burla), Hirakud (Chiplima), Rengali, Upper Indravati, Upper Kolab
Arunachal Pradesh	2	0	Dikshi
Assam	2	0	Karbi Langpi, Myntreng
Meghalaya	9	0	Umaim St-III, Umiam St. I, New Umtru, Umiam St. IV, Myntdu St-I, Ganol, Lakroh, Sonapani, Umiam St-II
Mizoram	1	0	Serlui-B
Nagaland	1	0	Likimro
Tripura	1	0	Gumti
TOTAL	**173**	**7**	166 non-registered

*incl. state IPP and plants scheduled by the state (SLDC) ^Scheduling Jointly with Odisha

Status as on 03-03-25

Intra-state* Gas Plants			
State	**Total No.**	**Registered in NOAR**	**Name of the plants NOT registered**
Haryana	1	1	
Delhi	4	3	Rithala
Rajasthan	2	0	Dholpur, Ramgarh
Uttarakhand	2	2	
Gujarat	10	6	Hazira, Baroda, Essar, Peguthan
Maharashtra	3	2	Mangaon
Andhra Pradesh	10	1	Jegurupadu Ph-I, Gautami, Grel, Jegurupadu Ph-II, Konaseema, Kondapalli, Peddapuram, Vemagiri, Vijjeswaram
Tamil Nadu	6	0	Kovikalpal, Kuttalam, Valuthur, Karuppur, P. Nallur, Valantarvy
Puducherry	1	0	Karaikal
Assam	3	3	
Tripura	3	0	Baramura GT, Rokhia GT, Monarchak
TOTAL	**45**	**18**	30 non-registered

*incl. state IPP and plants scheduled by the state (SLDC)

Annexure 2.9.2

Sl. NO	Name of Power Station	Name of the State	Installed Capacity (MW)	Developer	Connectivity (Intra-stste/ISTS)	Jurisdiction	Registration Status on NOAR
1	LAKWA GT	ASSAM	80.4	Assam Power	Intra-state	SLDC	**YES**
2	LAKWA REPLACEMENT	ASSAM	69.8	Assam Power	Intra-state	SLDC	**YES**
3	NAMRUP CCPP	ASSAM	139.4	Assam Power	Intra-state	SLDC	**YES**
4	Karbi Langpi	Assam	100	Assam Power Generation Corporation	Intra-state	SLDC	**YES**
5	DIKSHI HEP (3*8)	Arunachal Pradesh	24	Arunachal Pradesh Generation Corporation	Intra-state	SLDC	Under discussion
6	MYNTRENG HEP (3*1.5+3*3)	Assam	13.5	Assam Power Generation Corporation	Intra-state	SLDC	**YES**
7	Kyrdemkulai/Umaimst-III	Meghalaya	60	Meghalaya Power Generation Corporation	Intra-state	SLDC	Under discussion
8	Umiam St. I	Meghalaya	36	Meghalaya Power Generation Corporation	Intra-state	SLDC	Under discussion
9	New Umtru	Meghalaya	40	Meghalaya Power Generation Corporation	Intra-state	SLDC	Under discussion
10	Umiam St. IV	Meghalaya	60	Meghalaya Power Generation Corporation	Intra-state	SLDC	Under discussion
11	Myntdu St-I	Meghalaya	126	Meghalaya Power Generation Corporation	Intra-state	SLDC	Under discussion
12	GANOL HEP (3*7.5)	Meghalaya	22.5	Meghalaya Power Generation Corporation	Intra-state	SLDC	Under discussion
13	LAKROH (1*1.5)	Meghalaya	1.5	Meghalaya Power Generation Corporation	Intra-state	SLDC	Under discussion
14	SONAPANI HEP (1*1.5)	Meghalaya	1.5	Meghalaya Power Generation Corporation	Intra-state	SLDC	Under discussion
15	UMIAM ST II (2*10)	Meghalaya	20	Meghalaya Power Generation Corporation	Intra-state	SLDC	Under discussion
16	SERLUI-B (4*3)	Mizoram	12	Mizoram Generation Corporation	Intra-state	SLDC	**COD Certificate of plant not available, few other documents pending, under process**
17	LIKIMRO HEP (3*8)	Nagaland	24	nagaland Generation Corporation	Intra-state	SLDC	**Under process; documents signing pending from Plant head**
18	Gumti (3*5)	Tripura	15	Tripura Generation Corporation	Intra-state	SLDC	No
19	BARAMURA GT	TRIPURA	42	Tripura Power	Intra-state	SLDC	In Process
20	ROKHIA GT	TRIPURA	63	Tripura Power	Intra-state	SLDC	In Process
21	MONARCHAK CCPP	TRIPURA	101	Tripura Power	Intra-state	SLDC	In Process

Table: Forest Cover in North Eastern States

(in km²)

State	Geographical Area	Inside RFA/GW				Outside RFA/GW					Total Forest and Tree Cover (A+B)	Percent (%)	Scrub
		VDF	MDF	OF	Total (A)	VDF	MDF	OF	Tree Cover	Total (including Tree Cover) (B)			
Arunachal Pradesh	83,743.22	19,637.05	26,699.94	11,836.97	58,173.96	1,348.27	2,915.15	3,444.19	1,201.63	8,909.24	67,083.20	80.11	1,058.98
Assam	78,438.00	2,833.31	8,333.78	8,529.64	19,696.73	356.40	1,430.76	6,829.66	2,101.46	10,718.28	30,415.01	38.78	240.93
Manipur	22,327.00	893.52	5,744.86	8,152.43	14,790.81	10.53	472.69	1,311.43	209.82	2,004.47	16,795.28	75.22	973.65
Meghalaya	22,429.00	547.93	7,502.05	6,600.87	14,650.85	46.91	1,521.76	747.32	720.56	3,036.55	17,687.40	78.86	620.41
Mizoram	21,081.00	259.83	8,438.53	8,931.24	17,629.60	1.69	197.23	161.94	567.80	928.66	18,558.26	88.03	314.54
Nagaland	16,579.00	1,156.13	3,168.30	4,195.60	8,520.03	100.25	1,293.51	2,308.68	394.02	4,096.46	12,616.49	76.07	667.27
Sikkim	7,096.00	831.08	879.76	349.79	2,060.63	272.23	676.13	349.41	48.33	1,346.10	3,406.73	48.01	303.49
Tripura	10,486.00	393.77	3,719.84	1,242.58	5,356.19	220.66	1,210.15	797.77	247.56	2,476.14	7,832.33	74.69	173.27
Total	**2,62,179.22**	**26,552.62**	**64,487.06**	**49,839.12**	**1,40,878.80**	**2,356.94**	**9,717.38**	**15,950.40**	**5,491.18**	**33,515.90**	**1,74,394.70**	**66.52**	**4,352.54**

** Change in Forest Cover has been calculated from the revised figure of ISFR 2021.*

Shutdown Proposed for the month of July - 2025

SN	Name of Element	Jul-25																													Proposed Time	Reason	Category
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
	SHUTDOWNS PROPOSED BY PGCIL																																		
1	132kV KUMARGHAT -KARIMGANJ(ASSAM)																																0900 Hrs to 1800 Hrs	For vegetation clearance by Kumarghat TLM.	Normal Maintenance related shutdown.
2	132kV SM NAGAR(TSECL)-PALATANA(OTPC)-1																																0800 Hrs to 1700 Hrs	For AMP works By Agratala	Normal Maintenance related shutdown.
3	132kV RC NAGR(NEEPCO)-AGARTLA(TRIPURA)-1																																0800 Hrs to 1700 Hrs	For AMP works of Bay equipments By Agratala	Normal Maintenance related shutdown.
4	132kV RC NAGR(NEEPCO)-AGARTLA(TRIPURA)-2																																0800 Hrs to 1700 Hrs	For AMP works of Bay equipments By Agratala	Normal Maintenance related shutdown.
5	132kV JIRIBAM-TIPAIMUKH(MANIPUR)																																0800 Hrs to 1600 Hrs	For replacement of conventional porcelain insulators by composite long rod polymer insulators at Power/Deep valley/River/SH/NH crossing locations	Existing system improvement related shutdown.
6	132kV AIZWAL-MELRIAT																																0800 Hrs to 1400 Hrs	AMP WORKS	Normal Maintenance related shutdown.
7	132kV MOKOKCHUNG-MOKOKCHUNG(NAGALAND)-1																																0900 Hrs to 1700 Hrs	Rectification of CB Phase to Phase Trip time (max) pole discrepancy violation. 02. Evacuation, Vacuuming and refilling of SF6 gas of CB Y-ph due to dew point violation.	Normal Maintenance related shutdown.
8	132kV MOKOKCHUNG-MOKOKCHUNG(NAGALAND)-2																																0900 Hrs to 1600 Hrs	Rectification of damaged Bottom B-Phase conductor between Loc 5-6 of 132kV Mokokchung-Mokokchung (Nagaland) TL-2 by using repair sleeve.	Normal Maintenance related shutdown.
9	132kV BADARPUR-KHLIEHRIAT-1																																0900 Hrs to 1700 Hrs	AMP of Bay equipments at Badrapur & Khelrihat	Normal Maintenance related shutdown.
10	AR of 400kV MISA- MARIANI-2																																0800 Hrs to 1600 Hrs	For replacement of conventional porcelain insulators by composite long rod polymer insulators at Power/Deep valley/River/SH/NH crossing locations	Existing system improvement related shutdown.
11	AR of 132KV Dimapur Imphal line																																0700 Hrs to 1800 Hrs	NON - AUTO MODE required for OPGW installation works under Reliable Communication Scheme.	Construction activities related shutdown.

SN	Name of Element	Jul-25																													Proposed Time	Reason	Category
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
	400kV Transmission lines																																		
12	400 KV Silchar - Byrnihat TL																																0900 Hrs to 1700 Hrs	Upgradation of Insulator base for LA for avoiding of the fallen of LA due the Heavy Wind.	Existing system improvement related shutdown.
13	400 KV Silchar - Azara TL																																0900 Hrs to 1700 Hrs	Upgradation of Insulator base for LA for avoiding of the fallen of LA due the Heavy Wind.	Existing system improvement related shutdown.
14	400 KV BALIPARA - MISA-1 LINE																																0900 Hrs to 1300 Hrs	For Modification OF LBB RELAY scheme (Seperation of Single phase and 3 Phase Intiation to Tie LBB Relay during fault in the line after replacemnet of electro mechanical relay with numerical Relay)	Existing system improvement related shutdown.
15	400KV BALIPARA BNC-1 LINE																																1400 Hrs to 1700 Hrs	For Modification OF LBB RELAY scheme (Seperation of Single phase and 3 Phase Intiation to Tie LBB Relay during fault in the line after replacemnet of electro mechanical relay with numerical Relay)	Existing system improvement related shutdown.
16	400 KV BALIPARA - MISA-1 LINE																																1000 Hrs to 1400 Hrs	For Modification OF LBB RELAY scheme (Seperation of Single phase and 3 Phase Intiation to Tie LBB Relay during fault in the line after replacemnet of electro mechanical relay with numerical Relay)	Existing system improvement related shutdown.
17	400KV BALIPARA BNC-1 LINE																																1000 Hrs to 1400 Hrs	For Modification OF LBB RELAY scheme (Seperation of Single phase and 3 Phase Intiation to Tie LBB Relay during fault in the line after replacemnet of electro mechanical relay with numerical Relay)	Existing system improvement related shutdown.
18	400kV MISA- MARIANI-1																																0800 Hrs to 1600 Hrs	For replacement of conventional porcelain insulators by composite long rod polymer insulators at Power/Deep valley/River/SH/NH crossing locations	Existing system improvement related shutdown.

SN	Name of Element	Jul-25																													Proposed Time	Reason	Category
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
	400 KV Bongaigaon SS																																		
19	TIE Bay of 400KV BONGAIGAON-BTPS#2 & BR#3 , Bay No 426 at Bongaigaon SS																																0900 Hrs to 1700 Hrs	AMP of Bay equipments .	Normal Maintenance related shutdown.
20	TIE Bay of 400KV BONGAIGAON-NSLG#2 &BR#1 , Bay No 408 at Bongaigaon SS																																0900 Hrs to 1700 Hrs	AMP of Bay equipments .	Normal Maintenance related shutdown.
21	TIE Bay of 400KV BONGAIGAON-BYRNIHAT & BTPS#1 , Bay No 423 at Bongaigaon SS																																0900 Hrs to 1700 Hrs	AMP of Bay equipments .	Normal Maintenance related shutdown.
22	TIE Bay of 400KV BONGAIGAON-BR#5&ICT#2 , Bay No 403 at Bongaigaon SS																																0900 Hrs to 1700 Hrs	AMP of Bay equipments .	Normal Maintenance related shutdown.
23	TIE Bay of 400KV BONGAIGAON-BR#2&BLP#2 , Bay No 411 at Bongaigaon SS																																0900 Hrs to 1700 Hrs	AMP of Bay equipments .	Normal Maintenance related shutdown.
24	415 Bay (Main Bay of 400KV Bongaigaon - Alipurduar # 1 line) at Bongaigaon SS																																0900 Hrs to 1700 Hrs	AMP of Bay equipments .	Normal Maintenance related shutdown.
	400/132 KV Imphal SS																																		
25	50MVA,132/33kV ICT-2 AT IMPHAL SS																																0800 Hrs to 1600 Hrs	AMP works of ICT	Normal Maintenance related shutdown.
26	20MVAR,BUS REACTOR-1 AT IMPHAL SS																																0800 Hrs to 1600 Hrs	AMP works of Reactor	Normal Maintenance related shutdown.
27	125MVAR,BUS REACTOR-2 AT IMPHAL SS																																0800 Hrs to 1600 Hrs	AMP works of Reactor	Normal Maintenance related shutdown.
28	315MVA,400/132kV ICT-1 AT IMPHAL SS																																0800 Hrs to 1700 Hrs	AMP works of ICT & Hot spare changeover with Yph Transformer	Normal Maintenance related shutdown.
	400 KV Balipara SS																																		
29	Main Bay of 400KV Balipara - BNC-3 MAIN BAY (BAY-413) at Balipara SS																																09:00 TO 17:00 Hrs	AMP of Bay equipments .	Normal Maintenance related shutdown.
30	400KV BALIPARA BONGAIGAON-3 FSC																																09:00 TO 17:00 Hrs	Maintenance of Upkeep of FSC (Line will be inservice)	Normal Maintenance related shutdown.
31	400KV BALIPARA BONGAIGAON-4 FSC																																09:00 TO 17:00 Hrs	Maintenance of Upkeep of FSC (Line will be inservice)	Normal Maintenance related shutdown.
32	Tie Bay of 400KV MISA-1 AND BNC-1 (BAY-411) at Balipara SS		⟷	⟷																													***CSD*** 09:00 TO 17:00 Hrs	For Modification OF LBB RELAY scheme	Existing system improvement related shutdown.
	400 KV Silchar SS																																		
33	200MVA,400/132kV ICT-1 AT SILCHAR SS																																0800 Hrs to 1600 Hrs	Replacement of PRV contacts, rectification of improper verticality of surge arrester.	Existing system improvement related shutdown.
34	Tie Bay of ICT 03 AND FUTURE bay , 414 Bay at Silchar SS																																0900 Hrs to 1700 Hrs	AMP works	Normal Maintenance related shutdown.
	400 KV Misa SS																																		
35	80MVAR, BUS REACTOR-2 AT MISA																																0900 Hrs to 1300 Hrs	AMP works	Normal Maintenance related shutdown.
36	315 MVA, ICT-2 at Misa SS																																0900 Hrs to 1700 Hrs	Replacement of LV OC/EF relay	Existing system improvement related shutdown.

	132 KV Dimapur SS																																							
37	100MVA,200/132kV ICT-3 AT Dimapur SS																																				0800 Hrs to 1500 Hrs	AMP works of ICT	Normal Maintenance related shutdown.
	132 KV Mokokchung SS																																							
38	31.5MVAR,BUS REACTOR-1 at MOKOKCHUNG SS																																				0900 Hrs to 1700 Hrs	AMP works	Normal Maintenance related shutdown.
SN	**Name of Element**	**Jul-25**																																			**Proposed Time**	**Reason**	**Category**
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**			
	Interregional/International																																							
39	132kV SM.NAGAR(TSECL)-COMILLA(BANGLAD)-1																																				0800 Hrs to 1700 Hrs	For AMP works	Normal Maintenance related shutdown.
SN	**Name of Element**	**Jul-25**																																			**Proposed Time**	**Reason**	**Category**
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**			
	SHUTDOWNS PROPOSED BY ASSAM																																							
1	132kV GOLAGHAT-MARIANI																																				09:00-16:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
2	132kV GOLAGHAT-SARUPATHAR																																				09:00-16:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
3	132kV BOKAJAN-DIMAPUR																																				09:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
4	132kV BOKAJAN-SARUPATHAR																																				09:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
5	220kV SAMAGURI-SONABIL-1																																				08:00-16:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
6	220kV SAMAGURI-SONABIL-2																																				08:00-16:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
7	220kV AMGURI-MARIANI																																				08:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
8	220kV AMGURI-MARIANI																																				08:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
9	220kV SAMAGURI-MARIANI-II																																				08:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
10	220kV SAMAGURI-MARIANI-II																																				08:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
11	220kV SAMAGURI-MARIANI-II																																				08:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
12	220kV AMGURI-NTPS																																				08:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
13	220kV AMGURI-NTPS																																				08:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
14	220kV AMGURI-NTPS																																				08:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
15	220kV TINSUKIA-KATHALGURI-I																																				10:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
16	220kV TINSUKIA-KATHALGURI-II																																				10:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
17	220kV TINSUKIA-NTPS																																				10:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
18	220kV TINSUKIA-NRPP																																				10:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
19	132kV RUPAI-CHAPAKHOWA																																				09:00-17:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
20	132kV TINSUKIA-RUPAI																																				09:00-17:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
21	132kV TINSUKIA-MARGHERITA																																				08:30-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
22	132kV TINSUKIA-MARGHERITA																																				08:30-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
23	132kV RUPAI-MARGHERITA																																				08:30-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
24	132kV RUPAI-MARGHERITA																																				08:30-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
25	220kV SALAKATI-RANGIA-II																																				07:00-16:00	PREVENTIVE MAINTENANCE & STRINGING OF CONDUCTOR IN BETWEEN LOC NO.- 438-440	Normal Maintenance related shutdown.
26	220kV SALAKATI-RANGIA-II																																				07:00-16:00	PREVENTIVE MAINTENANCE & STRINGING OF CONDUCTOR IN BETWEEN LOC NO.- 438-440	Normal Maintenance related shutdown.
27	220kV SALAKATI-RANGIA-I																																				07:00-16:00	PREVENTIVE MAINTENANCE & STRINGING OF CONDUCTOR IN BETWEEN LOC NO.- 438-440	Normal Maintenance related shutdown.
28	220kV SALAKATI-RANGIA-I																																				07:00-16:00	PREVENTIVE MAINTENANCE & STRINGING OF CONDUCTOR IN BETWEEN LOC NO.- 438-440	Normal Maintenance related shutdown.
29	132kV BNC-GOHPUR -I																																				08:30-17:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
30	132kV BNC-GOHPUR -I																																				08:30-17:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
31	132kV BNC-GOHPUR -I																																				08:30-17:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
32	132kV BNC-GOHPUR -II																																				08:30-17:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
33	132kV BNC-GOHPUR -II																																				08:30-17:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
34	132kV BNC-GOHPUR -II																																				08:30-17:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
35	132kV BNC-GOHPUR-I																																				08:30-17:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
36	132kV BNC-GOHPUR-II																																				08:30-17:00	CORRIDOR CLEANING	Normal Maintenance related shutdown.
37	220kV SONABIL-BALIPARA-I																																				09:30-15:00	CORRIDOR CLEANING & BAY NUTS & BOLTS TIGHTENING	Normal Maintenance related shutdown.
38	220kV SONABIL-BALIPARA-II																																				09:30-15:00	CORRIDOR CLEANING & BAY NUTS & BOLTS TIGHTENING	Normal Maintenance related shutdown.
39	132kV PAILAPOOL-JIRIBUM																																				09:00-16:00	CORRIDOR CLEANING & JUNGLE CUTTING	Normal Maintenance related shutdown.
40	132kV SRIKONA-SILCHAR-I																																				9:30-11:00	INSTALLATION OF SAMAST COMPLIANCE ENERGY METER	Existing system improvement related shutdown.
41	132kV SRIKONA-SILCHAR-II																																				11:30-13:00	INSTALLATION OF SAMAST COMPLIANCE ENERGY METER	Existing system improvement related shutdown.
42	132kV KARIMGANJ-BADARPUR																																				11:00-12:00	INSTALLATION OF SAMAST COMPLIANCE ENERGY METER	Existing system improvement related shutdown.
43	132kV KARIMGANJ-KUMARGHAT																																				12:00-13:00	INSTALLATION OF SAMAST COMPLIANCE ENERGY METER	Existing system improvement related shutdown.
44	132 KV PANCHGRAM-PGCI (BADARPUR)																																				09:00-16:00	INSTALLATION OF .2S CLASS ENERGY METER AGAINST 132 KV PANCHGRAM-PGCI (BADARPUR) LINE AT 132KV PANCHGRAM GSS	Existing system improvement related shutdown.

45	132 KV PANCHGRAM-HAILAKANDI																																09:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	Normal Maintenance related shutdown.
46	132 KV PANCHGRAM-LUMSHNONG																																09:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	Normal Maintenance related shutdown.
47	132 KV PANCHGRAM-LUMSHNONG																																09:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	Normal Maintenance related shutdown.
48	132 KV HAILAKANDI-DULLAVCHERRA																																09:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	Normal Maintenance related shutdown.
49	132 KV SRIKONA-PAILAPOOL																																09:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	Normal Maintenance related shutdown.
50	132 KV SRIKONA-PAILAPOOL																																09:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	Normal Maintenance related shutdown.
51	132 KV DULLAVCHERRA-DHARMANAGAR																																09:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	Normal Maintenance related shutdown.
52	132kV HAFLONG-HAFLONG(PGCIL)																																09:00-15:00	INSTALLATION OF SAMAST COMPLIANCE ENERGY METER	Existing system improvement related shutdown.
53	220kV AGIA-BTPS-I																																09:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
54	220kV AGIA-BTPS-I																																09:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
55	220kV AGIA-BTPS-II																																09:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
56	220kV AGIA-BTPS-II																																09:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
57	220kV AGIA-BOKO																																09:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
58	220kV AGIA-BOKO																																09:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
59	220kV MIRZA-AGIA																																09:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
60	220kV MIRZA-AGIA																																09:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
61	220kV MIRZA-BOKO																																08:30-16:30	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
62	220kV MIRZA-BOKO																																08:30-16:30	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
63	132kV AGIA-HATSINGIMARI																																09:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
64	132kV HATSINGIMARI-AMPATI-I																																09:00-14:00	INSTALLATION OF ABT METER	Existing system improvement related shutdown.
65	132kV HATSINGIMARI-AMPATI-II																																09:00-14:00	INSTALLATION OF ABT METER	Existing system improvement related shutdown.
66	220kV SAMAGURI-JAWAHARNAGAR																																08:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
67	220kV SAMAGURI-JAWAHARNAGAR																																08:30-16:30	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
68	220kV SAMAGURI SONAPUR																																08:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
69	220kV SAMAGURI SONAPUR																																08:00-16:00	CORRIDOR CLEARANCE	Normal Maintenance related shutdown.
70	220kV SARUSAJAI-SONAPUR																																08:30-16:30	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
71	220kV SARUSAJAI-SONAPUR																																08:30-16:30	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING	Normal Maintenance related shutdown.
72	220kV BTPS-NTPC-I & 220kV BUS-I AT BTPS																																09:00-16:00	REPLACEMENT OF BUS CONDUCTOR	Existing system improvement related shutdown.
SN	**Name of Element**	**Jul-25**																															**Proposed Time**	**Reason**	**Category**
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**			
	SHUTDOWNS PROPOSED BY Meghalaya																																		
1	132KV Umtru-Kahilipara D/C lines																																08:00hrs to 16:00hrs	For line maintenance works	Normal Maintenance related shutdown.
2	220KV Killing-Mawphlang D/C Lines																																09:00hrs to 16:00hrs	From T/Loc No. 148 at Lawsiej to T/Loc No. 262 at Mawphlang. For tightening of jumpers nuts & bolts at T/Loc No. 229-241 For tightening of jumpers nuts & bolts at T/Loc No. 242-250	Normal Maintenance related shutdown.
3	132KV Khliehriat Bus																																10:00hrs to 16:00hrs	Maintenance of 132kV Bus side equipments	Normal Maintenance related shutdown.
4	132kV Ampati Bus																																08:00hrs to 12:00hrs	For stringing of Bus conductor	Existing system improvement related shutdown.
SN	**Name of Element**	**Jul-25**																															**Proposed Time**	**Reason**	**Category**
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**			
	SHUTDOWNS PROPOSED BY NEEPCO																																		
1	Agartala Gas Based Power Stations (AgGBPS),GTG#1																																00-00 Hrs to 23:59 Hrs	GT Compressor off line washing.	Normal Maintenance related shutdown.
2	Agartala Gas Based Power Stations (AgGBPS),GTG#2																																00-00 Hrs to 23:59 Hrs	GT Compressor off line washing.	Normal Maintenance related shutdown.
SN	**Name of Element**	**Jul-25**																															**Proposed Time**	**Reason**	**Category**
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**			
	SHUTDOWNS PROPOSED BY Arunachal																																		
1	220 kV Kathalguri-Deomali EHV Line																																0700Hrs to 1600 Hrs	Vegetation Clearance	Normal Maintenance related shutdown.
SN	**Name of Element**	**Jul-25**																															**Proposed Time**	**Reason**	**Category**
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**			
	SHUTDOWNS PROPOSED BY NLDC																																		
1	400KV-BINAGURI-BONGAIGAON-2																																0800 Hrs to 1700 Hrs	S/D for Replacement of flashover damaged insulator due to lightening	Existing system improvement related shutdown.
2	400KV-BINAGURI-BONGAIGAON-1																																0800 Hrs to 1700 Hrs	S/D for Replacement of flashover damaged insulator due to lightening	Existing system improvement related shutdown.

3	HVDC 800KV-AGRA-BNC-2																																0800 Hrs to 1700 Hrs	Low Jumper clearance correction work at at severe ROW area	Existing system improvement related shutdown.
4	HVDC 800KV-AGRA-BNC-1																																0800 Hrs to 1700 Hrs	Earth Wire SAG rectification at severe ROW area	Existing system improvement related shutdown.