Eastern Regional Power Committee

AGENDA

FOR

240th OCC MEETING

Venue: ERPC Secretariat, Kolkata

Date: 12.06.2026

Contents

EASTERN REGIONAL POWER COMMITTEE

AGENDA FOR 240th OCC MEETING TO BE HELD ON 12.06.2026 (FRIDAY) AT 10:30 HRS

1. PART-A: CONFIRMATION OF MINUTES

1.1. Confirmation of Minutes of 239th OCC Meeting held physically at ERPC Secretariat on 13th May 2026

The Minutes of 239th Operation Coordination Sub-Committee meeting held on 13.05.2026 was circulated vide letter dated 18.05.2026.

Members may confirm the minutes of 239th OCC meeting.

2. PART-B: ITEMS FOR DISCUSSION

2.1 Update on follow up agenda: ERPC

a) Intrastate Transmission Network Assessment & Mitigation-Odisha

Reference:
Implementation of the Under Voltage Load Shedding (UVLS) scheme in the Odisha system has been under review since the 231st, 232nd, 233rd, and 234th OCC Meetings held on 22.09.2025, 24.10.2025, 22.11.2025, and 23.12.2025 respectively.
The matter was also discussed in the recently concluded 55th TCC/ERPC meeting held on 16.12.2025 and 17.12.2025 at Kalimpong, West Bengal. As per deliberation in 55th TCC Meeting, **300MW load** has been identified and it will be operationalized before **Summer '26**.

The continued delay in implementation is posing increasing risks not only to the Odisha system but also to the Eastern Region as a whole during the forthcoming Summer-2026 period.

- During a review meeting held on 30.04.2026, OPTCL and SLDC Odisha informed that the quotation from the existing ADMS vendor had been received and was under examination. Further, 31 feeders of TPCODL and 23 feeders of TPNODL have been identified under the scheme. The target date for completion was indicated as June-2026.

As per 239th OCC:
Odisha representative updated:
The vendor of ADMS has been entrusted for implementation of the UVLS in Odisha system and the same will be operational by end of June 2026.

239th OCC Decision
- OCC expressed serious concern over inordinate delay in implementation of UVLS in Odisha system, especially amid demand surge in ongoing Summer that renders intra-state network of Odisha vulnerable to low voltage condition.

- SLDC Odisha was advised to share weekly update on the status of implementing UVLS for identified loads around Bhubaneswar to ERLDC & ERPC
- OCC referred the matter to TCC for deliberation.

As per 56thTCC meeting:
Odisha updated that 400 MW load has been identified for UVLS scheme & the scheme will be implemented by June-2026.

During deliberation, ERLDC highlighted the transmission constraints in Odisha network and stated that the reconductoring of 400 kV OPGC-Lapanga-Meramundali section shall be completed as long-term solution to mitigate the transmission constraint issue in Odisha system.

CEA also pointed out that in transmission RA plan of Odisha, the reconductoring of intra-state lines will be completed by OPTCL in the timeframe of 2026-27. However there is no progress in this regard. CTUIL also submitted the delay in strengthening of intra-state networks by OPTCL will result in ISTS system vulnerable in future.

56th TCC Decision:

Forum advised OPTCL to implement the UVLS scheme by June-2026 without any further delay.

OPTCL would submit a timeline for carrying out reconductoring of their intra-state networks as finalized in the resource adequacy plans.

As per 56th ERPC meeting:
Odisha officials were not present in the preceding (ERPC) discussion.

ERLDC highlighted the urgency of early completion of this scheme for voltage stability of Bhubaneswar region.

56th ERPC Decision:

ERPC forum advised OPTCL to implement the UVLS scheme by June-2026 without any further delay. Detailed work plan for reconductoring of intrastate transmission line shall be shared with ERPC & ERLDC within two weeks.

SLDC Odisha and OPTCL may update. Members may discuss.

b) Status of ER ULDC Phase-III SCADA/EMS Upgradation Project (SCOD 18 months from date of LOA)

POWERGRID is executing the Project for upgradation of Main and Backup SLDCs under implementation of ULDC Phase-III Project in Eastern Region. NOA is issued to M/s. GE Vernona T&D India Ltd. on **02.08.2024** for execution of this work.

Supply is completed for majority of control centers except WBSETCL control centers which are undergoing Functional & Integrated FAT with ERLDC System by Grid-India. Installation works are also completed at some of the sites and undergoing at the remaining sites based on site readiness by constituents.

19th TeST Deliberation:

ERPC enquired about the progress of the SCADA upgradation work in the Eastern region. M/S GE Vernova presented the updated progress status as given below:

ERLDC :

- ERLDC apprised the forum regarding the continuous delay in execution of the project and conflicts concerning allocation of responsibilities within the project implementation team. It was observed that ambiguity and misunderstanding regarding the scope of work at the time of project award have been the major reasons for the delay in project execution.
- ERLDC further emphasized that upgradation of the ERLDC system is required on priority for seamless integration with all entities and proper functioning of the overall system. Since the AMC of the existing system is not being renewed further, it is essential to execute the work in mission mode to ensure commissioning of the upgraded system before complete stoppage of the current system.
- POWERGRID and M/S GE Vernova expressed willingness to explore the possibility of establishing ICCP link connectivity with the existing ERLDC system till the ERLDC system upgradation is completed by GE.
- In this regard, ERLDC apprised that such an arrangement may lead a contractual deviation. However, feasibility of the same may be explored, ensuring that the existing system which is running without OEM support must remain operational without impacting real-time grid operation activities.
- It was informed that at the Backup Control Centre, NR-UPS is already commissioned, following which load shifting activities shall be carried out by 20th May 2026.. Subsequently, ER-UPS is targeted to be commissioned by 5th June 2026.
- The forum requested ERLDC to ensure site readiness at both Main Control Centre (MCC) and Backup Control Centre (BCC), before May 2026.
- M/S GE Vernova is directed to bring the system live by 31st Aug, 2026 without further delay.
- M/S GE Vernova requested for timely payment may be provided so that the project execution can be completed within the stipulated timeline.

WBSLDC:

- M/S GE Vernova appraised the forum that the MCC system is dispatched on 11th May 2026 and must be arrived by 20th May, 2026 at the site.
- Installation & commissioning, ICCP integration with ERLDC, SAT are targeted to be finished by Aug,2026.
- WBSLDC stressed to integrate weather forecasting API with newly upgraded system which was committed to be finished by Aug' 2026.
- It is also suggested to incorporate skilled software team along with residential team under AMC to the site for each state.

Sikkim: M/S GE Vernova updated that MCC will be functional by July, 2026 & BCC by Aug 2026, as work is in advanced stage without major challenges at present.

DVC: M/S GE Vernova informed that the MCC at Kolkata was inaugurated on 30th March 2026 and the complete handover is likely to be done by August 2026.

Bihar:
Bihar raised query regarding migration of historian data to the new system for smooth & efficient operation.
GE, Vernova apprised that team is working on conversion tool which can translate old historian data from OSI to new SCADA system of GE. The work is in progress and shall be confirmed to all states and ERLDC within fortnight.

Odisha: raised queries about deployment of efficient skilled manpower at the site for expedition of the work. Further, availability of DG set at site shall also be ensured by end of May,2026.

19th TeST Decision

- ✓ The forum advised POWERGRID, M/S GE Vernova, and ERLDC to jointly examine the feasibility of the proposed arrangement and take necessary action in a coordinated manner without affecting real-time grid operations.
- ✓ The forum further emphasized that no further extension shall be granted to M/S GE Vernova for completion of the project, as the execution is already significantly delayed beyond the stipulated timeline by around six months (half a year) and must be operational by 31st August, 2026.
- ✓ M/S GE Vernova was advised to deploy adequate skilled manpower at site for faster execution of the work.

As per 56thTCC meeting
TCC raised serious concern over the inordinate delay in commissioning of SCADA at ERLDC and at SLDCs.

56thTCC Decision:

- ✓ TCC Forum advised Powergrid to form a working level group consisting of representatives from ERPC, Powergrid, M/s GE, ERLDC, concerned SLDC & Chemtrol for speedy implementation of the project and smooth transfer of data from old system to new system.
- ✓ Forum suggested that the matter may be followed up in the forthcoming OCC meetings.

As per 56th ERPC meeting

Member GO&D highlighted the importance of ULDC-III for grid security and reliability.
Further, MS, ERPC emphasized the requirement of new SCADA system for all SLDCs/ERLDC as the existing AMC is going to expire soon.

56th ERPC Decision:

- ✓ ERPC Forum advised Powergrid to form a working group and ensure completion of new SCADA system before the expiry of the existing AMC and to submit the progress report to Member Secretary ERPC on weekly basis.

✓ Further, Forum strongly recommended that M/s GE Vernova to ensure deployment of sufficient manpower at ERLDC and SLDCs for speedy completion of the SCADA system and smooth transition to new system.

POWERGRID & ERLDC may update. Member may discuss.

c) Upgradation of 220kV Network in Kolkata Region

Vide **217th OCC** dated 24.07.24 Due to persistent N-1 violation, Upgradation of these 220 KV feeders to be planned:

☐ 220kV Subhasgram (WB)-Lakshmikantpur D/C
☐ 220 kV Jeerat-Barasat D/C
☐ 220 kV Barasat-Kasba D/C

- In **229th OCC** Meeting, WBSETCL updated that the approval for PSDF grant has not yet been received.
  They also apprised that only the following lines have been listed for upgradation.
  ✓ 220 kV Jeerat-Barasat D/C
  ✓ 220 kV Barasat-Kasba D/C
  ✓ 220 kV Subhasgram-Kasba
  ✓220KV Kolaghat-Foodpark
  ✓ 220KV Foodpark-Jangalpur

➢ OCC advised WBSETCL to expedite the upgradation work of above lines since it has already been delayed by more than 2 years and in case PSDF grant is not possible then other avenues of funding maybe explored since the loading of the above lines are going to be critical in the coming summer months.

As per 55th TCC meeting:
WBSETCL updated that tender has been done for upgradation of following lines:
✓ 220 kV Barasat-Kasba D/C
✓ 220 kV Subhasgram-Kasba D/C
✓ 220 kV Rajarhat-KLC S/C

- For remaining lines, the upgradation work will be taken up progressively as per the system requirement.
- They updated that the tentative timeline to complete the upgradation work of above three lines is **9(nine) months**.

As per 239th OCC:
WBSETCL updated:
➢ The tendering process was delayed due to restrictions during the State Assembly election period.
➢ Tendering process has already been issued for 220 kV Barasat–Kasba, 220 kV Subhashgram–Kasba, and 220 kV Rajarhat–KLC.
➢ Upgradation of 220 kV Kodalghat–Food Park and 220 kV Food Park–Jamalpur lines is still under internal approval.

239th OCC Decision

- ✓ WBSETCL was advised to submit the exact tender issuance dates along with revised timeline for upgradation i.r.o all the concerned 220 kV lines.
- ✓ Progress of the reconductoring works shall be henceforth reviewed in OCC meetings.

WBSETCL may update. Member may discuss.

d) Spare Reactor procurement under Eastern Regional Pool as per CEA norms

In **52nd ERPC** meeting, estimated expenditure of **Rs. 55.67 Crores** (exclusive of GST but including transportation cost) was concurred towards procurement of spare reactors in ER pool by Powergrid ER-II as per CEA spare norms.

STATE	VOLTAGE	SIZE	STORAGE PLACE
WEST BENGAL	400 KV	125 MVAR	DURGAPUR SS
		80 MVAR	BINAGURI SS
SIKKIM	220 KV	31.5 MVAR	NEW MELLI SS
JHARKHAND	400 KV	125 MVAR	NEW RANCHI SS
ODHISSA	400 KV	63 MVAR	ROURKELLA SS

In **54th TCC** meeting, Powergrid intimated that the tender evaluation is on progress.

As per 55th TCC meeting:

- ✓ POWERGRID updated that tender has been awarded for the reactors except 31.5 MVAR reactor.
- ✓ Since the 31.5 MVAR reactor is seldom used at present, hence they have segregated it from the rest of the population and it will be done separately.

As per 239th OCC:

Powergrid apprised the details as follows:

STATE	VOLTAGE	SIZE	STORAGE PLACE	UPDATE
WEST BENGAL	400 KV	125 MVAR	DURGAPUR SS	Evaluation under progress and final award to be placed shortly.
		80 MVAR	BINAGURI SS	Procurement to be completed by July 2026
SIKKIM	220 KV	31.5 MVAR	NEW MELLI SS	In bidding stage.
JHARKHAND	400 KV	125 MVAR	NEW RANCHI SS	No update received
ODHISSA	400 KV	63 MVAR	ROURKELLA SS	No update received

239th OCC Decision

- ✓ Powergrid was advised to expedite procurement and update on progress to be shared henceforth in OCC meetings.
- ✓ Powergrid was also advised to share the current status in procurement of 125 MVAR & 63 MVAR reactors at New Ranchi & Rourkella substations respectively.

POWERGRID may update. Members may discuss.

e) Restoration of 220KV FSTPP LALMATIA Line.

The line is out of service since long due to tower collapse. Presently 220 kV Farakka-Lalmatia line is charged(from loc no 241 to loc 84) at 132 kV voltage level for anti-theft purpose by tapping at loc. No. 100-101.

As per 239th OCC:

JUSNL updated:

- The delay in restoration of the line is mainly attributed to ROW issues, administrative constraints, and impacts during the COVID period.
- Line charging has been completed up to location no. 24. Foundation works is pending at one location while erection of three towers remains pending.
- Approximately 3.74 km of stringing work is left for execution.
- The line is expected to be ready by June 2026.

239th OCC Decision

- ✓ JUSNL was advised to ensure completion of the balance works and commissioning of the line within the targeted timeline (June 2026).
- ✓ This was referred to upcoming TCC meeting for information.

As per 56th TCC :

- ✓ JUSNL informed that the line will be completed by 10th June.
- ✓ ERLDC suggested that JUSNL may take all requisite FTC clearances beforehand so that the line may be charged at the earliest.

56th TCC Decision:

TCC noted the work progress by JUSNL and advised NTPC to check healthiness of the bay equipment of the line at Farakka end.

56th ERPC Decision:

ERPC noted.

JUSNL may update. Member may discuss.

f) Update on islanding schemes in ER.

The list of existing Islanding schemes in ER is as under:

Eastern Region (ER)		
1	Kolkata (CESC) IS	City/Major Town/ Strategic Load
2	Howrah (Bandel) IS	City/Major Town/ Strategic Load
3	Bakreswar TPS IS	Industrial and Railway load
4	Haldia (Tata Power) IS	Industrial areas of Haldia and Port
5	Chandrapura (CTPS DVC) IS	Industrial areas

As per 238th OCC:

OCC suggested for formation of a sub group committee under chairmanship of S.E. (Operation), ERPC comprising members from ERPC, ERLDC, concern SLDC and Generating company for regular monitoring of islanding scheme formation and implementation in the ER States. **The committee shall coordinate with stakeholders and submit progress report in OCC.**

A special sub-group has been constituted for the identification and implementation of islanding schemes in the capital cities of ER states.

56th ERPC Decision:
The forum advised that the matter may be regularly followed up in OCC meetings.

1. Ranchi Islanding Scheme

- ☐ Nomination for ER sub-group of islanding scheme implementation was received from JUSNL.
- ☐ The kick-off meeting for the implementation of the Ranchi City Islanding Scheme was held on **23rd April 2026** under chairmanship of ERPC.
- ☐ To accurately define the electrical boundaries and load behaviour of the island, SLDC Jharkhand was requested to share:

- **Island Boundary & Feeder Logic:** Clearly define the islanded area and provide a comprehensive list of feeders that must be disconnected to ensure successful island formation.
- **Load Profiles:** Node-wise load data (Maximum, Minimum, and Average) for the identified area to ensure generation-load balancing.
- **Defense Mechanism Data:** Current node-wise loads of Jharkhand that are already covered under **AUFLS** (Automatic Under Frequency Load Shedding) and **ADMS** (Automatic Demand Management System).
- **Infrastructure Timeline:** Confirmation of the expected commissioning date for the **400kV Latehar New – Patratu New D/C** line, as this must be integrated into the islanding model.

As per 239th OCC:

SLDC Jharkhand apprised:

- ➢ Approximately 500 MW minimum islanded load zone has already been identified.
- ➢ Patratu generating station has been identified as the source generation station for the islanding scheme.

239th OCC Decision

- ✓ SLDC Jharkhand shall submit all pending details of line feeders and feeder segregation plan by 18.05.2026. Essential loads should not be included in UFLS operation.
- ✓ The proposal shall be prepared and to be shared with ERPC at the earliest.

As per 56th TCC meeting
JUSNL informed that they have already provided data regarding Ranchi islanding scheme.

SLDC Jharkhand may update. Members may discuss.

2.Patna Islanding Scheme under PSDF

- In 54th TCC meeting held on 23.06.2025, BSPTCL had proposed to implement Patna Islanding Scheme through Internal Resource Fund.
- However, a meeting was held on 24th June 2025 under the chairmanship of the Hon'ble Minister of Power and Housing & Urban Affairs, wherein the matter of Islanding Patna city was discussed. In the meeting, it was decided that the State of Bihar would submit a proposal for funding the Islanding scheme by the Ministry of Power).
- In compliance to minutes of the meeting held on dt. 24.06.2025, Board of Directors, BSPTCL has approved for implementation of Patna Islanding Scheme through PSDF in 131st BOD meeting held on dt. 17.07.2025 vide its resolution no. 131-06.
- In line with the above, a proposal has been submitted for Implementation of Patna Islanding Scheme under PSDF to NLDC vide this office letter no. 549 dt. 18.07.2025 along with all the required documents in compliance to minutes of meeting held on dt. 24.06.2025.
- Further, Chief Engineer (Generation), CEA has requested the recommendation of ERPC for implementation of Patna Islanding Scheme through PSDF.

As per 239th OCC:

SLDC Bihar apprised:

- L1 bidder has already been finalized.
- Revised Board approval for 70% PSDF funding was obtained on 16 March.
- The proposal has been submitted to NLDC on 26 March for sanction of funds.

239th OCC Decision

OCC opined that the issue may be pursued with PSDF committee to expedite approval process. This is referred to TCC for information.

As per 56th TCC meeting

SLDC Bihar informed that the PSDF Appraisal committee approved the PSDF grant proposal of Patna islanding scheme and the approval from the PSDF monitoring committee is awaited.

SLDC Bihar may update. Members may discuss.

3. IB Valley TPS Islanding Scheme (Odisha)

IB valley TPS Islanding scheme has also been put on hold for long time. The status regarding the same has been sought on urgent basis by Ministry of Power (Govt of India).

As per 55th TCC meeting

Director(Op), OPTCL stated that they need a clarification regarding load quantum required for islanding operation and as per their assessment load of 140-160 MW can be arranged at Budhipadar end for islanding operation.

OPGC representative replied that minimum load of 150 MW is required for islanding operation with one unit of IB TPS.

55th TCC decision

- After deliberation, it was finalized that the scheme will be implemented with minimum load quantum of 140 MW at Budhipadar along with one unit of IB TPS generation.
- TCC pointed out the inordinate delay in implementing the scheme and opined that OPTCL & OPGC shall take necessary steps to implement the scheme within six months.

As per 239th OCC:
OPTCL updated:

An MoU has been signed with OPGC. Approximately 140 MW load has been identified. Discussions regarding some minor loads are also underway.

ERLDC informed that base case for the revised study of IB Valley TPS islanding scheme with one-unit configuration has been sought from SLDC Odisha.

239th OCC Decision

OCC advised ERLDC & SLDC Odisha to share the revised study in upcoming OCC.

As per 56th TCC meeting
OPGC informed that those necessary lines have been identified for Ib valley islanding scheme but base data is required from SLDC Odisha for further action.

OPGC/SLDC Odisha may update. Members may discuss.

4.Bhubaneswar Islanding Scheme (Odisha)

Nomination for sub-group of islanding scheme implementation in ER is still awaited.

As per 239th OCC:

Odisha representative updated that:

- BPBL (Bhubaneswar Power Limited) units (65X2=130 MW) have been identified for islanding of the capital city of Bhubaneswar. Bhubaneswar islanding is slightly challenging due to absence of nearby generating stations.
- PRDC is carrying out feasibility studies in connection with the proposed Bhubaneswar Islanding Scheme.

239th OCC Decision

OCC advised SLDC Odisha and OPTCL to send nominations for recently constituted islanding sub-group of ER positively by the next week.

OPGC/SLDC Odisha may update. Members may discuss.

5. Farakka islanding scheme

This is presently not in service due to long outage of 220 kv Farakka-Lalmatia line.

☐ **Continuous monitoring & Testing of Islanding schemes.**

- Ensuring the uninterrupted operation of critical services during emergencies is of paramount important, Islanding Schemes are one of the measures which prevent total blackout and enable quicker restoration of grid at the time of grid disturbances.

- As per Central Electricity Authority (Grid Standards)Regulation,2010,"(1) *The Regional Power Committees shall prepare Islanding Schemes for separation of systems with a view to save healthy systems from total collapse in case of grid disturbance. (2) The Entities shall ensure proper implementation of the Schemes referred to in sub-regulation (1).*
- During the Conference of Power Ministers held in 2025, all regions agreed upon the following measures regarding islanding schemes and system protection mechanisms:

  a) Periodic review and testing (simulation-based or filed-based) of all schemes shall be undertaken.

  b)AUFLS and df/dt protection system shall be tasted to ensure reliability.

  c)Real-time visibility and monitoring of system parameters for the islanding schemes shall be concemed RLDCS/SLDCS.

  D)Embedded generation forming part of islanding schemes shall be operated as required,including during off-merit situations.Appropriate compensation mechanisms for such minimum generation levels shall be developed,with the SERCS/CERC determining the methodology to ensure financial viability.

  In view of the above, the following actions required to be done on priority:

  a)A **Comprehensive review** of all the Islandind Schemes and LGB to be monitored continuously with the participating generators and loads.Specifically, the critical loads such as Airport,Defence & Critical loads within the Islands are to be reviewed.

  b)**Testing and Validation of Islanding Schemes** : Periodic testing of the implemented islanding schemes must be carried out to ensure their readiness and functional health.

ERLDC and all SLDCs may update. Members may discuss.

g) Review of AUFLS in Eastern Region: SCADA Integration & Data Updation

- Based on the recommendation and decisions in 14th NPC meeting held on 05.02.24, 214th OCC meeting and special meeting on 10.07.2024, a load relief quantum of 6916 MW was finalized for Eastern Region. UFR Feeders real time monitoring has been discussed in NPC as well as various fora of ERPC.
- Further, with new IEGC 2023 the same has been mandated as quoted below: IEGC 2023, Clause 13.d: "SLDC shall ensure that telemetered data of feeders (MW power flow in real time and circuit breaker status) on which UFR and df/dt relays are installed is available at its control centre. SLDC shall monitor the combined load in MW of these feeders at all times.
- SLDC shall share the above data with the respective RLDC in real time and submit a monthly exception report to the respective RPC. RLDC shall inform SLDCs as well as the concerned RPC on a quarterly basis, durations during the quarter when the combined load in MW of these feeders was below the level considered while designing the UFR scheme by the RPC. SLDC shall take corrective measures within a reasonable period and inform the respective RLDC and RPC, failing which suitable action may be initiated by the respective RPC."

As per 239th OCC meeting:

Both Bihar & Jharkhand updated to Complete AUFLS implementation as well as SCADA integration by end of May 2026.

As per 56th TCC meeting

Both Bihar & Jharkhand updated that they will Complete AUFLS implementation as well as SCADA integration by end of June 2026.

56th TCC Decision:

TCC urged early completion of AUFLS implementation as well as SCADA integration.

56th ERPC Decision:

ERPC advised concerned ER states for early completion of AUFLS as well as SCADA integration.

All SLDCs may update. Members may discuss.

Update:

The load relief quantum to be implemented at each stage of AUFLS for FY 2026-27 is computed by NPC based on the regional peak demand met in FY 2025-26.Details enclosed in **Annex B.2.1.i.**

Stage-wise Load relief= Stage-wise relief (%)*RPRegion*AP/RP

AP: All India Peak Demand Met in MW

RP: Regional Peak Demand Met

As per this methodology, total load relief quantum for ER comes out as 7195 MW against 6916 MW in preceding year.

This 7195 MW of load relief has to be distributed among all ER states as per methodology to be finalized in OCC forum.

All SLDCs may update. Members may discuss.

2.2 Issues for follow-up: ERLDC

a) Replacement of CLR insulators of PMJTL lines

- ☐ Replacement of faulty Decan make CLR insulators in the 765 kV New Ranchi–Medinipur–New Jeerat corridor and associated 400 kV PMJTL lines has been under discussion in various OCC/TCC meetings owing to the strategic importance of these transmission corridors for reliable power supply to Kolkata and adjoining areas of South Bengal. While replacement activities in the 400 kV system have substantially reduced outage incidences, frequent shutdown requests continue to be received for the 765 kV corridors.
- ☐ During FY 2025-26, POWERGRID availed 63 shutdowns on the 765 kV New Ranchi–Medinipur–New Jeerat corridor for replacement of failed CLR insulators. Further, during the ongoing summer period, several additional emergency shutdown requests have already been processed. Such frequent outages, particularly during periods of high demand in West Bengal, pose operational challenges and increase the risk to reliability and security of power supply to Kolkata and

surrounding areas. Shutdown of one circuit followed by any contingency on the parallel circuit may lead to a highly stressed system condition.

As per 239th OCC meeting:

ERLDC submitted:

- During the last financial year, 63 emergency shutdown requests were processed while from March onwards(this year), around 15 emergency shutdown requests had already been received.
- Frequent emergency shutdowns are creating operational difficulties during high-demand conditions in West Bengal.Moreover,coordination with NLDC is required for every 765 kV shutdown.
- Shutdown of any one circuit of the 765 kV New Ranchi – Medinipur – New Jeerat corridor and subsequent forced outage of the parallel ckt (during the ongoing summer period when West Bengal demand is consistently above 10 GW), poses a serious threat to the reliability/ security of power supply to Kolkata and adjoining areas of S. Bengal.
- As a **short term measure**, it was suggested that the entire 765 kV New Ranchi – Medinipur – New Jeerat corridor may be patrolled on a fast-track basis and list of defective insulators/strings requiring urgent replacement may be detailed and shared with ERLDC / ERPC to facilitate a more structured and coordinated shutdown planning process.

SLDC West Bengal reiterated the concerns raised above and commented that several shutdown requests are being sought on emergency basis under near-breakdown conditions citing damaged insulator strings may collapse the line at that point any time. It was further highlighted that simultaneous outage of both circuits could seriously impact reliability of supply to Kolkata and South Bengal areas.

POWERGRID clarified that most shutdowns are being sought based on patrolling and identification of damaged insulators before actual tripping/failure occurs. It was informed that immediate shutdowns are sometimes unavoidable due to safety concerns arising from damaged suspension/tension strings and the possibility of conductor snapping.

As a **long term mesasure**, POWERGRID informed:

- Around 5000nos. Of faulty (decan make) clr insulators in various 400 kv lines have already been replaced and subsequently, tripping/shutdown incidences of those 400 kv lines have reduced significantly compared to last year.
- Supply of new insulators for 765 kv lines expected by March 2026, has been delayed due to limited availability of suppliers in India and is now expected by June 2026. However, POWERGRID confirmed that replacement of faulty insulators in the identified 765 kv corridors shall be completed by October 2026.
- Replacement of faulty Decan make insulators in both 400 kv and 765 kv systems is being carried out using Decan make insulators from different manufacturing batches to avoid recurrence of similar failures.

239th OCC Decision

- Powergrid shall carry out detailed patrolling & online condition monitoring of lines and shall submit a detailed report to ERLDC/ERPC/SLDCs, encompassing work already completed,identified defective locations along with remaining locations vulnerable to the impact of Nor'Wester storms/rain , thermovision scanning details, PID assessment of the entire length of line and planned

replacement methodology. Tower footing resistance checking should be integrated with insulator replacement activities.

- POWERGRID was also advised to expedite the insulator replacement activities and adhere to the committed timelines for completion of balance works in 400 kV and 765 kV systems.
- Shutdown planning should be improved by Powergrid to reduce frequency of emergency shutdowns. Instead of seeking shutdowns for isolated locations on a day-to-day basis, POWERGRID may identify and compile all faulty insulator locations requiring emergency shutdowns over a weekly horizon and plan such shutdowns preferably during weekends or low-demand periods, so as to minimise system reliability risks.
- Multiple locations should be covered during any shutdown period by deploying multiple gangs to maximise replacement works and expedite completion of activities within the allowed shutdown opportunity.Railway crossings and public safety-sensitive locations should continue to receive priority.
- Weekly planned shutdowns should be preferred over repeated emergency shutdowns wherever feasible while Emergency shutdowns can be availed only for genuinely critical cases.To avail emergency shutdowns during the summer months, efforts shall be made to consolidate such requirements on a weekly basis and to avail the same preferably during weekends or other low-demand periods.

Update:

✦ No comprehensive assessment & condition report received to ERLDC.

Similar, simultaneous outage of 765 kV New Jeerat – Medinipur-1 (04:28Hrs-16:15hrs) & 400 kV Subhasgram-New Jeerat-2 (06:01hrs-15:34hrs) had happened due to insulator damage on 05.06.2026. At the same time, 765 kV bus 2 at New Jeerat (11:28 hrs to 02:15hrs of 6th June) & 765/400 kV ICT – 1 (11:28 hrs to 02:20hrs of 6th June) were also under outage due to damaged Jack bus jumper of ICT-1, which made the system around Kolkata more vulnerable.

ERLDC may explain.POWERGRID may update. Members may discuss.

b) Review of UFR/PFR Performance during Low Frequency Event of 13.05.2026

☐ On 13th May 2026, the Indian grid experienced its largest generation loss event so far, following outage of evacuation corridors associated with the Khavda RE Complex (KPS-1, 2 & 3) in Gujarat. The disturbance resulted in sudden loss of more than 9 GW of generation, causing grid frequency to dip sharply from 49.95 Hz to 49.39 Hz. Nation-wide automatic under frequency relay installed for shedding load under stage-1 (UFR Stage 1<=49.4Hz) operated resulted load disconnection of approx. 6.5 GW. Frequency subsequently settled to 49.59 Hz, due to the combined action of primary response, automatic under frequency relay (UFR) based load shedding and AGC (SRAS) response. Analysis of constituent wise response during the low-frequency event indicated noticeable load relief due to AUFLS/UFR operation and Primary Frequency Response (PFR) by generators across the country.

☐ ERLDC highlighted analysis of the event and performance of AUFLS/UFR, PFR and AGC schemes installed at different constituents in the Eastern Region in 56th TCC meeting, dated 24.05.26. However, the event highlighted the need for further strengthening of defence mechanisms, improvement in frequency response from generating stations and enhancement of response via AUFLS.

- ☐ The forum advised regular follow-up in OCC regarding the readiness of UFR and PFR schemes in ER and emphasized compliance of LVRT/HVRT requirements by RE generators.

ERLDC may explain.Members may share status update.

c) SPS for ACCP-II/JSPL

- ☐ Following the 233rd OCC meeting, a special meeting was held on November 26, 2025, to discuss the implementation of System Protection Schemes (SPS) for the new ACPP-II plant, during which OPTCL was advised to assess existing protection adequacy at the JSPL site.
- ☐ Although the site visit was eventually conducted on January 11, 2026, the overall implementation remains significantly delayed. While JSPL has implemented one SPS for injection control, a second scheme designed to restrict drawal at the Meramandali end is currently pending the transmission of Talcher-Meramandali power flow data from OPTCL. Consequently, OPTCL has apprised that installing the necessary RTU at Meramandali for data visibility will require approximately two months.
- ☐ In **235th OCC** meeting, forum directed both JSPL and OPTCL to expedite the finalization and implementation of the remaining scheme to ensure grid stability. 237th OCC meeting, it was advised to SLDC/OPTCL to expedite the implementation.

As per 239th OCC meeting:

OPTCL apprised:

- ➢ Injection restriction SPS has already been implemented while Drawal restriction SPS related to 400 kV Talcher–Meramundali overload condition is pending due to RTU installation requirements.
- ➢ RTU procurement order has already been placed and materials are in delivery stage. The RTU will be installed within 10 days after its receipt.
- ➢ Subsequently, implementation of the SPS for shedding JSPL load to limit 400 KV TSTPS-MMND flow on sudden loss of ACPP-II generation, will be completed.

239th OCC Decision

OCC advised OPTCL to coordinate with JSPL so that the proposed SPS gets implemented as per submitted timeline.

ERLDC may explain. OPTCL may update Member may discuss.

2.3 Shutdown of Talcher-Kolar bi-pole: ERLDC

- ☐ Simultaneous shutdown of the HVDC Talcher–Kolar Bipole was initially requested by POWERGRID, Odisha Projects from 04.03.2026 to 18.03.2026 (15 days) for diversion of transmission lines associated with the NH Bypass Road project at Nayagarh, Odisha. Since the shutdown pertains to the ER–SR inter-regional corridor, the proposal was deliberated in the 235th SR OCC Meeting held on 10.02.2026, wherein it was decided that the shutdown could be facilitated only after May 2026, considering the prevailing system conditions, election-related constraints and anticipated peak demand scenario in the SR.

- ☐ Subsequently, in the 239th SR OCC outage Meeting held on 09.06.2026, revised shutdown proposal for the period 01.07.26 to 15.07.2026 (15 days) has been proposed by POWERGRID. As gathered, the shutdown has been concurred from 17.07.2026 to 31.07.2026 along with replacement of Pole-I Bph converter transformer at Talcher. It was also discussed that the shutdown would coincide with the planned outage of NTPC Talcher Unit #6 scheduled from 10.06.2026 onwards.
- ☐ In this regard, it is pertinent to note that NTPC Talcher (6 × 500 MW) is a major generating station in ER, with approximately 2000 MW of its generation normally evacuated to the SR through the HVDC Talcher–Kolar link. In the absence of the HVDC link, the remaining generation (considering outage of Unit #6) would have to be evacuated through the associated AC transmission network in the ER, resulting in significant loading on the 400 kV Talcher–Meramundali D/C lines.
- ☐ System studies indicate that, following the outage of the HVDC Talcher–Kolar Bipole, substantial generation curtailment would be required to maintain N-1 security for the Talcher–Meramundali corridor. Required curtailment quantum could, at times, necessitate backing down NTPC Talcher units up to their technical minimum limits. Such a measure may not be desirable considering that Talcher is a low-cost generating station and the All-India demand during June–July 2026 is expected to remain in the range of 240–250 GW. Further, to facilitate the shutdown, the ER–SR TTC/ATC may need to be curtailed by around 2000 MW, which could impose additional stress on other inter-regional corridors and adversely impact overall grid operation and transfer flexibility.
- ☐ Additionally, almost all beneficiaries in the ER have allocation from NTPC Talcher, the impact of such curtailment would be shared proportionately among them. Share allocation in % of Talcher is as follows:

TSTPP Stg I	BIHAR	ODISHA	WB	Jharkhand	DVC	Sikkim
2x500MW	41.404	33.065	10.085	6.831	0.2	2.438

In view of the above operational challenges and system security considerations, the shutdown proposal placed in the 240th ER OCC Outage Meeting for July 2026 may be deliberated further to arrive at an appropriate way forward.

ERLDC may explain.Members may discuss.

2.4 400 kV Bus-1 & Bus-2 Shut down at Malda SS for CRP Upgradation work under ADDCAP of Chukha Transmission System: POWERGRID

Reason for Shutdown - Shutdown of 400 kV Bus-I & Bus-II at Malda SS is required for commissioning of 400 kV Bus Bar Protection system along with various associated works requiring shutdown of 400 kV Bus-I and Bus-II.

Following Works are planned to be carried out during shutdown of 400 kV Bus-I & Bus-II :

a) CT primary injection for Busbar stability checking.

b) Testing and commissioning of 400KV Busbar -I&II and Transfer Bus.

c) Removing old cables from 400KV Bus -I & II CVT JB.

d) Termination and dressing of new cables in 400 KV Bus-I&II CVT JB.

e) Sag adjustment for 400KV Bus Conductor for isolator alignment of Bus-2 Isolator (408 89B) of 400KV Farakka Ckt-I.

f) Isolator alignment and adjustment of fixed hanging contact of Bus-1 Isolator (404 89A) of 400KV Farakka Ckt-II.

g) Removal of old jack bus of 400 KV Malda-Farakka-1 along with removal of hardware fittings (Require both bus shut down).

h) Replacement of 01 span of bus conductor (400KV Bus-I).

i) Completion of wiring of mutual compensation for D/C 400KV Malda-Purnea Ckt-I&II and Malda-Farakka Ckt-I&II.

- ☐ After Completion of CRP upgradation work of all the 400 kV Bays with last being 400 kV Bus Coupler Bay which was taken into service on 21.03.2026 , the shutdown of 400 kV Bus-I & Bus-II were earlier planned on **22.03.2026**.However, due to last minute cancellation of the 400 kV Bus-I & Bus-II shutdown, all the planned work associated with 400 kV Bus -I & Bus-II Shutdown had to be deferred.
- ☐ Since the 400 kV Bus -I & Bus-II shutdown was not approved, the 400 KV Bus Coupler at Malda has been kept open after due concurrence from ERLDC/SLDC, w.e.f, 24.03.26. Further, the Z-4 timing of all the 400 kV Line feeders and 400 kV ICTs have been kept 250ms considering the 400 kV Bus bar protection is out of service at Malda SS.
- ☐ The ongoing Split Bus operation of 400 kV Bus -I & Bus-II at Malda SS needs to be restored at the earliest possible considering system reliability.
- ☐ Accordingly, it is proposed that shutdown of 400 KV Bus-I & Bus-II at Malda SS may kindly be approved for 01 day during the month of July-2026 for CRP Upgradation work under ADDCAP of Chukha Transmission System.

Work Flow-March SD details- Last minute cancellation- Split Bus operation- Earliest Restoration.

Name of Element	**S/D Start Date**	**S/D End Date**	**Remarks**	
Busbar Protection of 220 kV System was kept out of service from 26.11.2025 during commencement of CRP upgradation of individual 220 KV Bays.				
220/132 KV ICT-II	26.11.25	11.12.25	CRP upgradation work.	
220 KV TBC				
132 KV Manikchak-1	12.12.25	13.12.25	BCU Software upgradation.	
220/132 kV ICT-I	13.12.25	19.12.25	CRP upgradation work.	
220/132 kV ICT-4	19.12.25	24.12.25		
132 kV Manikchak-2	26.12.25	26.12.25	BCU Software upgradation.	
132 kV WBSETCL-1	27.12.25	27.12.25		
132 kV WBSETCL-2	28.12.25	28.12.25		
220 kV Bus Coupler	27.12.25	30.12.25	CRP upgradation work.	
220 kV Gazole-2	02.01.26	02.01.26	For PLCC dismantling.	
220 kV Gazole-1	04.01.26	08.01.26	CRP upgradation work.	
220 kV Gazole-2	10.01.26	14.01.26		

400 KV Bus Bar Protection kept out of service after necessary Z-4 setting changes on 16.01.26.				
400 kV TBC	16.01.26	19.01.26	CRP upgradation work.	
400/220 kV ICT-III	21.01.25	25.01.26		
400/220 kV ICT-V	27.01.26	01.02.26		
Testing & Commissioning of 220 KV Bus Bar Protection carried out 30.01.2026 and 220 KV Bus Bar protection taken into service.				
400 kV Farakka-2	09.02.26	13.02.26	CRP upgradation work.	
400 kV Purnea-1	14.02.26	25.02.26		
400 kV Farakka-1	27.02.26	07.03.26		
400 kV Purnea-2	09.03.26	17.03.26		
400 kV Bus Coupler	18.03.26	21.03.26		

- ☐ After Completion of CRP upgradation work of all the 400 kV Bays with last being 400 kV Bus Coupler Bay which was taken into service on 21.03.2026 , shutdown for 400 kV Bus- I & Bus -II was applied on 22.03.2026 for testing & commissioning of 400 kV Bus Bar Protection. However, the shutdown was denied by ERLDC due to upcoming West Bengal Election.
- ☐ Considering, non-allowing the bus sd, 400 KV Bus Coupler at Malda kept open after due concurrence from ERLDC/SLDC, w.e.f, 24.03.26.
- ☐ Further, in subsequent discussions in 238th OCC SD meeting, both ERLDC/WB-SLDC, disagreed for above bus bar SD during high demand period uptill June-26 and will be reviewed during load relief in Monsoon period.
- ☐ Considering high power flow at Malda corridor, it is expected that after peaking of hydro generation, 01 Day SD will be given by Grid Operator for commissioning of 400 KV BUS BAR PROTECTION (S/D time period is flexible and can be done in night hours also).

POWERGRID may explain.Members may discuss.

2.5 Establishment of 400kV substations at Katihar and Chopra under ISTS: ERPC

As per information received from **CTU**:

In order to strengthen the ISTS system in the Siliguri – Kishanganj – Dalkhola – Malda corridor and to meet the upcoming load demand of West Bengal, a new 400kV substation is being planned at Chopra, West Bengal. Along with the same, 400kV substation at Katihar shall also be required.

Accordingly, BSPTCL and WBSETCL may confirm/provide the following:

a. **BSPTCL:** Need for establishment of 220kV level at this stage or only space provision is required to be kept. If 220kV level is to be established, details of 220kV downstream system may be provided.

b. **WBSETCL:** Kishanganj – Dalkhola line shall be disconnected from Dalkhola and connected to Chopra. WBSETCL may indicated the details of 220kV downstream system from Chopra to meet its upcoming demand in the surrounding area including TCF.

After receipt of inputs, updated study files shall be shared for further deliberations in the joint study meeting.

BSPTCL and WBSETCL may update.Members may discuss.

2.6 Present status of the configuration update in Secure Meter Midnight Reactive high/low data parameter logic (from Export – Import to Import – Export): POWERGRID

- ☐ In the 238th OCC meeting, it was highlighted regarding certain logic mismatch in the newly supplied Secure Meters. In ER, the net midnight reactive high/low data logic is followed as Import - Export (I-E) and the same logic has been implemented in all the Meters of L&T and Genus make. However, in the Secure make Meters, the logic of Net reactive data calculation was initially mapped as Export – Import (E-I).
- ☐ After this issue was highlighted and discussed at various forums, POWERGRID had conducted multiple meetings with the Meter OEM and in a joint meeting, OEM demonstrated on how to change the logic of Net Reactive calculation. Further PGCIL conducted training sessions at RHQ, and the concerned station Engineers are being trained to carry out the Meter logic change activities at Substation Level. This activity started in April 2026.
- ☐ Total number of Secure meter count was 176, where the logic correction was required. As on 09th Jun 26, the count of Meters where the configuration has been changed successfully is 136. After completing the configuration changes, all the stakeholders are being informed about the change, over email. M/S TCS team checked and confirmed the applied changes in Meter by analyzing the midnight data. Further checking was done by ERLDC MO team.
- ☐ Following is the utility wise status of the Secure Meter logic change in ER.

Utility	Total Secure Meter	Logic Changes done	Logic Changes pending
Powergrid	157	134	23
West Bengal	4	0	4
Sikkim	4	0	4
Jharkhand	1	0	1
Odisha	1	0	1
IPP/Generator	9	2	7
Total	176	136	40

***** the detailed information with Meter SL no. & Feeder-wise is mentioned in Annexure- B.2.6.***

- ☐ POWERGRID initially conveyed the expected completion date as 15th Jun 26. The required activities have been nearly completed & expected to be completed very shortly.

It is requested to ERLDC to verify concerned Reactive data further, if any meter is/are, still to be attended.

POWERGRID may explain.ERLDC may update.Members may discuss.

2.7 AMR system Data Sharing with SLDCs & DVC- present status: POWERGRID

- ☐ In the Eastern Region, the AMR system is in operation for the last 12 years and the SEM data is being accessed by ERLDC team. It was a requirement from all SLDCs to have access to this SEM data to help reduce their DSM penalties and other operational improvements.
- ☐ In the 54th ERPC meeting, the AMR data sharing project was approved for 05 SLDCs (West Bengal, Sikkim, Odisha, Bihar & Jharkhand) and DVC. The scopes and requirements were finalized by the respective utilities. LOA was awarded to M/S TCS on 17.09.2025. The LOA scopes were procurement of two Servers and Application development for 6 utilities, with a timeline of 09 months implementation and 06 months warranty support for stabilization.
- ☐ The 1st phase pilot development was initiated for West Bengal utility. The required developments testing and UAT was conducted with the team concerned. Application was hosted in the Live environment of WB SLDC. Subsequently the development was started for the other utilities. Servers' delivery was completed in Nov-2025.
- ☐ The present status of the project is as below:

Utility	Application Development Completed	Separate NW port arranged for application access	Live Demo Completed	Live Demo Date	System arranged	Go-Live declared
WB	YES	YES	YES	12-Dec-2025	YES	YES
DVC	YES	YES	YES	19-Feb-2026	YES	YES
SIKKIM	YES	YES	YES	27-Feb-2026	YES	YES
JHARKHAND	YES	YES	YES	26-Feb-2026	WIP	TBD
BIHAR	YES	YES	YES	09-Mar-2026	WIP	TBD
ODISHA	YES	YES	YES	12-Mar-2026	WIP	TBD

- ☐ Considering the baseline requirements which were initially agreed upon, the application development part was completed. Live demonstration was given to the respective utilities physically at respective offices.
- ☐ Till date, system arrangements and the Go-Live have been declared for three utilities i.e. WB, SIKKIM & DVC. It is further requested to the other three utilities to expedite the system arrangement process and plan for the application Go-live.
- ☐ Considering the original LOA timeline, the development and Go-live was supposed to be completed on 17th Jun 2026. Due to unavailability of required infrastructure, Go-Live is under progress for three utilities. Hence it is proposed to extend the timeline till 31-Aug-26. Remaining three utilities are requested to complete the required arrangements and the go-live process within this period.
- ☐ As this is an external dependency which is not in control of the system integrator (M/S TCS), it is hereby requested to allow further time extension of the placed LOA till 30-08-2026, such that all remaining SLDC's can provide requisite system for online display and package could be completed.

POWERGRID may explain.Members may discuss.

2.8 Security and Redundancy enhancements of the AMR system solution in ER: POWERGRID

- ☐ In the existing solution architecture of AMR system, the entire data communication is happening through the Fiber Optical Network. The initial level of Layer2 network has been upgraded to the higher Level of Layers (Layer3/Layer4) to enforce more security protocols. Zone based routers are

installed and configured to isolate and protect utility level AMR system from the other zones/utilities. This Layer3/Layer4 network upgradation project went live in Jun-25.

- ☐ When the AMR Data Center refreshment was being carried out, one CISCO Firewall was procured and configured with the policies and protocols. This was done in Jun23 time. After that, the AMR Network upgradation project started where Network Routers are installed, and this has been in operation since Jun25.
- ☐ As members may appreciate, security measures and policies are very dynamic and those need to be upgraded in a regular interval. Also, we must think through the redundancy of the system to be prepared with any un-precedent scenarios. Considering the criticality, necessity and complexity of the AMR solution, it is recommended to adopt the following additional requirements in the AMR solution.

Item	Current Version	New Requirement	New Version	Advantages
AMR Firewall	CISCO-FPR 1140	Procurement of 01 additional Firewall.	CISCO-FPR 3105	• One Backup Firewall. • High Availability Pair. • Host Standby. • Additional Maleware protection.
AMR Router	CISCO 8200L	Procurement of 04 additional Routers.	CISCO 8200L	• Backup Redundancy of Routers, of AMR upgraded network. • Hot standby, any issue with the existing Routers happens, will be replaced immediately.
AMR Firewall – Threat protection licenses upgradation	FTD 7.0.1 (build 84) VDB:338	Procurement of new licenses	FTD 7.4+ or 7.6	• This is kind of patch upgrade. • The same is suggested in the recent VAPT assessment. • More stringency in the Network policies.
AMR Switch OS upgrade	HP Aruba 6200F	Procurement of new licenses	Aruba OS-CX 10.13.0001	• This is kind of patch upgrade. • The same is suggested in the recent VAPT assessment.

- ☐ The above-mentioned items are required on an immediate basis. The new Firewall which will be procured, will be the higher version of the existing one. This will give more redundancy and flexibility to ensure security and smooth AMR operations. There will be an additional cost implication for this, and the detailed cost breakup will be shared in subsequent meetings. (an approximate estimate is 80-95 lacs including hardware & services).

It is requested for technical concurrence at OCC level and subsequently details pertaining to financial implications shall be provided in the next CCM.

POWERGRID may explain.Members may discuss.

2.9 Frequency Response Performance of Eastern Region for May 2026 events: ERLDC

- ☐ In accordance with Clauses 30.8 and 30.10(a) to 30.10(q) of the IEGC, 2023, generating stations in the Eastern Region are required to submit the prescribed information to ERLDC within two days of notification of a reportable frequency event.
- ☐ Further, as stipulated under Clause 30.10(n), all control areas in the Eastern Region are required to evaluate their frequency response characteristics and submit the assessment, along with high-resolution operational data, to ERLDC. The frequency response performance of generating stations and control areas during the reportable frequency events of May 2026 is summarized below:
- ✓ Event 1: Reporting of Generation loss event of 8613 MW in RE Generation Complex, NR at 14:09 hrs. on 13.05.2026.
- ✓ Event 2: Reporting of Generation loss event of 1698 MW in JSW Mahanadi, WR at 16:16 hrs. on 13.05.2026.
- ✓ Event 3: Reporting of Generation loss event of 2394 MW in 220kV Bhadla, NR at 11:06 hrs. on 15.05.2026.
- ☐ Generator wise performance summary is given below:

Name of Generator	Event 1			Event 2			Event 3		
	Percentage response as per 5% droop considering saturation at 5% of MCR	FRP	Grading	Percentage response as per 5% droop considering saturation at 5% of MCR	FRP	Grading	Percentage response as per 5% droop considering saturation at 5% of MCR	FRP	Grading
FSTPP I&II	94.60 %	1.63	Excellent	88.12 %	7.32	Excellent	181.33 %	10.58	Excellent
FSTPP III	104.14 %	1.83	Excellent	22.34 %	1.77	Excellent	272.56 %	12.75	Excellent
KhSTPP I	-14.17 %	-0.27	Poor	40.14 %	3.64	Excellent	-35.14 %	-1.90	Poor
KhSTPP II	110.98 %	2.55	Excellent	70.26 %	5.57	Excellent	235.69 %	7.71	Excellent
TSTPS-I	-3.17 %	-0.08	Poor	-61.36 %	-4.80	Poor	96.19 %	4.77	Excellent
BARH ST-1	29.19 %	0.94	Good	37.51 %	3.65	Excellent	70.14 %	7.12	Excellent
BARH ST-2	85.09 %	1.51	Excellent	76.38 %	6.43	Excellent	51.49 %	2.57	Excellent
BRBCL	126.33 %	3.57	Excellent	152.92 %	10.53	Excellent	424.98 %	21.36	Excellent
DARLIPALLI	24.71 %	0.67	Below Average	36.03 %	2.73	Excellent	99.54 %	4.34	Excellent
NORTH KARANPURA	31.24 %	0.70	Below Average	38.21 %	2.58	Excellent	351.06 %	20.06	Excellent
NPGC	156.77 %	2.27	Excellent	5.10 %	0.29	Poor	386.70 %	18.79	Excellent
GMR	17.53 %	0.46	Poor	66.44 %	4.99	Excellent	5.60 %	0.39	Poor
MPL	79.40 %	1.60	Excellent	74.30 %	6.23	Excellent	61.44 %	3.14	Excellent
Adhunik	94.12 %	2.22	Excellent	15.23 %	1.28	Excellent	178.09 %	8.62	Excellent
JITPL	1.47 %	0.03	Poor	9.64 %	0.73	Below Average	83.64 %	5.59	Excellent
INDBHARAT	44.35 %	0.82	Average	55.54 %	2.95	Excellent	-149.52 %	-7.37	Poor
DIKCHU	141.25 %	3.94	Excellent	387.96 %	14.49	Excellent	34.78 %	2.93	Excellent
PVUNL	28.39 %	0.62	Below Average	24.55 %	2.06	Excellent	152.63 %	8.20	Excellent

Name of State	Event 1		Event 2		Event 3	
	FRP	Grading	FRP	Grading	FRP	Grading
Bihar	1.46	Excellent	0.31	Poor	3.43	Excellent
Jharkhand	0.43	Poor	0.09	Poor	-5.94	Poor
DVC	1.87	Excellent	11.16	Excellent	3.15	Excellent
OPTCL	-5.65	Poor	-1.72	Poor	1.93	Excellent
WB	1.11	Excellent	2.81	Excellent	-0.37	Poor

All concerned generating stations and entities are requested to review their frequency response performance and take necessary corrective measures to enhance frequency response performance during future frequency events.

ERLDC may explain. Members may discuss.

2.10 ADMS Operation in Eastern Regional States: ERLDC

- ☐ As mandated by IEGC (IEGC-2023 Regulation 36.2), Implementation of Automatic Demand Management Scheme (ADMS) is one of the defence mechanisms intended for ensuring Grid security especially during low frequency and minimizing deviations by automatically shedding load under predefined system conditions.
- ☐ For the last one month (1st May 2026 to 3rd June 2026), the summary of events to trigger ADMS operation in individual states are as follows:

Sl No	State/Utility	Logic for ADMS operation	Total Implemented Quantum	Events (Nos.)	Duration (Minutes)
1	**Jharkhand**	System Frequency < 49.9 Hz AND deviation > 12 % or 25/50/75 MW. Block I, II & III feeders will be selected for load shedding depending on the O/D.	150 MW	198	1738
2	**DVC**	F <49.9 Hz AND deviation > 12 % or 150 MW	280 MW	124	1051
3	**Odisha**	1. System Frequency < **49.9** Hz 2. Odisha over-drawl > 150 MW,3. Discom OD >40 MW	400 MW	36	253
4	**West Bengal**	F <49.7 AND deviation > 12 % or 150 MW Block I, II, III&IV feeders will be tripped sequentially.	225 MW	6	90
5	**Bihar**	F <49.7 AND deviation > 12 % or 150 MW	400 MW	4	28

Although, the criteria were satisfied, the actual ADMS operation did not occur or not reported in ER. The very purpose of ADMS implementation is failing. Hence, it is requested to review and submit a report to ERLDC and ERPC after due verification. States shall review the following:

1. Whether all the load feeders included in the ADMS have healthy communication signals till end load point.
2. Exact quantum (in MW) of the total feeders which are actually reporting to the frequency and deviation signals as indicated in the logic above may be informed to ERLDC.
3. DISCOM OD related logics may be removed from the ADMS logic since the idea for ADMS is to minimize the states deviation which is not serving the purpose.
4. Healthiness of scheme and its operation to be ensured with proper testing.
5. Uniformity of logic for ADMS operation across all states in ER

The scenarios where ADMS should have been triggered / actually operated in last 1 month for each state is shown in **Annex B.2.10**.Only the days where for maximum duration the criteria had satisfied has been shown for better visibility purpose.

ERLDC may explain. States may update and Members may discuss.

2.11 High MVAR and Limiting Generating Capability in both units of MTPS: NTPC

- ☐ Recently (from mid-May 2026 onwards), it has been observed that during evening peak hours (2000 Hrs to 0100 Hrs), both units of MTPS Kanti have been operating with high reactive power output in the range of 90–102 MVAr. This is adversely impacting the active power generation capability of the units. Simultaneously, the 220 kV grid voltage has been observed to drop to around 216 kV during evening peak hours as against approximately 230 kV during daytime operation.
- ☐ Real-time communications highlighting such instances are regularly being sent by MTPS-II to ERLDC and SLDC, Patna. Copies of the communications are enclosed at **Annex B.2.11**.
- ☐ The trends of 220 kV grid voltage, reactive power generation and unit load for 01.06.2026, 02.06.2026 and 03.06.2026 are enclosed at **Annex B.2.11**for reference.
- ☐ It may be noted that on 01.06.2026, during peak hours, the reactive power output of Unit #3 reached 105 MVAr, resulting in generator operation beyond its capability curve. Consequently, active power generation had to be reduced to control the reactive power output. During the same period, 220 kV Motipur lines were opened by SLDC for reactive power management.
- ☐ Further, GT tap position has already been raised from Tap Position 3 to 4 during previous overhaul schedules. Any further increase in GT tap position is not considered advisable, as the 220 kV grid voltage remains in the higher range (~230 kV) for most of the operating period and may lead to under excitation during off-peak hours.
- ☐ Similar issue of High MVAR was also reported at NTPC Barauni since last 02 weeks.
- ☐ In view of the above, the matter may be deliberated in the OCC, and ERLDC/SLDC, Patna may be requested to take suitable measures for maintaining the 220 kV grid voltage within the prescribed limits, particularly during evening peak hours, so as to facilitate optimum active power generation from MTPS-II and ensure reliable power supply to the beneficiaries.

NTPC may update and Members may discuss.

2.12 Shutdown proposal of Thermal generating units: ERPC

Shutdown request of NTPC Barh: NTPC

- ☐ NTPC Barh Stage-I comprises three units of 660 MW each. Unit-2 achieved Commercial Operation Date (COD) on 01.08.2023 and has been in continuous operation since commissioning. No annual maintenance or major overhauling outage has been undertaken in the unit since declaration of COD.
- ☐ As per the approved Load Generation Balance Report (LGBR) Programme for FY 2026-27, Unit-4 of Barh Stage-II was scheduled for a planned outage from **27.06.2026 to 31.07.2026**. However, the said outage is now being deferred.
- ☐ Considering the availability of the outage window arising from the deferment of the Unit-4, Barh Stage-II outage, it is proposed to undertake the overhauling of Unit-2, Barh Stage-I during the period from **01.07.2026 to 14.08.2026**.
- ☐ As per the approved LGBR Programme, Unit-1 of Barh Stage-I is scheduled for overhauling from **01.11.2026 to 15.12.2026**. In view of the proposed advancement of Unit-2 overhauling, the overhauling of Unit-1 shall be deferred. The outage period from **01.11.2026 to 15.12.2026** shall instead be utilized for carrying out the planned maintenance outage of Unit-4, Barh Stage-II.

NTPC may explain. Members may discuss.

Reschedule NTPC Darlipalli Unit #1 OverHauling : NTPC

Unit-1 Annual Overhaul was approved in the 238th OCC meeting from 20.08.2026 for a duration of 45 days. It is requested to reschedule the OH from 10.08.2026 for 45 days, considering the availability of the Turbine OEM.

NTPC may explain. Members may discuss.

Shutdown request of BRBCL Unit-3: BRBCL

- ☐ In the LGBR, BRBCL Unit-3 is presently reflected under planned shutdown from 08.01.2027. However, approval for overhauling of Unit-3 has already been accorded in the 238th OCC meeting for carrying out the overhauling from 13.07.2026 for a period of 35 days.
- ☐ In view of the above, it is requested that BRBCL may kindly be permitted to undertake the scheduled overhauling of Unit-3 from 13.07.2026 to 16.08.2026. Further, permission may also be accorded for carrying out the statutory licence renewal activities from 13.08.2026 onwards during the shutdown period.

BRBCL may explain. Members may discuss.

Other ER thermal generating utilities may also update on schedule of planned shutdown. Members may discuss/update.

2.13 Agenda by NTPC Darlipalli

☐ **Reactive Charges revision for the week 30.03.2026 to 05.04.2026**

Abnormal VAR reading was observed in meter ER 2054-A on 05.04.2026 resulting in Var charges payment 5.39 lacs. The same was cross-verified with the station meter and found to be normal. Main and check meter reading may be cross checked.

☐ **SG Ramp rate violations**

a. Approximately 40 incidents of ramp rate violations were observed from Apr-2026, resulting in a DSM loss of around 6 lacs.
b. Relevant CERC Clause as" TRAS operation by NLDC should not result in below tech minimum or ramp rate violations as per " CERC Detailed Procedure for Security Constrained Unit Commitment (SCUC), Unit Shut Down (USD) and Security Constrained Economic Despatch (SCED) at Regional Level"

NTPC may explain. Members may discuss.

2.14 Status of Periodic Testing of Generating Units under IEGC 2023: ERLDC

☐ Regulation 40 [40(2)(b) & 40(2)(c)] of the CERC (IEGC) Regulations, 2023 mandates utilities to undertake periodic testing of power system elements **every five years** or after major retrofitting and to submit annual testing plans to RPC.
☐ Regulation 40(3) specifies the tests required for different power system elements as follows:

Power System Element	Tests Required	Applicability
Synchronous Generator	1. Real and Reactive Power Capability Assessment. 2. Assessment of Reactive Power Control Capability as per CEA Technical Standards for Connectivity 3. Model Validation and Verification Test for complete Generator and Excitation System Model including PSS. 4. Model Validation and Verification of Turbine/Governor and Load Control or Active Power/Frequency Control Functions. 5. Testing of Governor Performance and Automatic Generation Control (AGC)	Individual generating units rated: • 100 MW and above (Coal/Lignite) • 50 MW and above (Gas Turbine) • 25 MW and above (Hydro)
Non-Synchronous Generators (Solar/Wind)	1. Real and Reactive Power Capability Test. 2. Power Plant Controller (PPC) Function Test. 3. Frequency Response Test4. Active Power Set-Point Change Test. 4. Reactive Power (Voltage/Power Factor/Q) Set-Point Change Test	Applicable as per CEA Technical Standards for Connectivity
HVDC / FACTS Devices	1. Reactive Power Controller (RPC) Capability Test. 2. Filter Bank Adequacy Assessment based on prevailing grid conditions in consultation with NLDC. 3. Validation of response of FACTS devices as per settings	Applicable to all ISTS HVDC systems and intra-State HVDC/FACTS installations, as applicable

The matter was raised in 217th OCC meeting dated 24.07.2024, where OCC advised all applicable generators and HVDC/FACTS device owners to strictly adhere to the IEGC 2023 guidelines and submit the required testing data and plans to ERPC. The same matter was again discussed in 220th OCC to 224th ER OCC meeting, schedule for testing from all generating stations were collected and it was decided that generators will follow the schedule strictly and share the report subsequently.

The compiled details of generating units, HVDC/FACTS elements and their respective testing status are available at the link provided below:

https://docs.google.com/spreadsheets/d/1m6KCkONdObMhre9-1me1kvHTEBYUdXUOISYdn5FR4fM/edit?gid=690780910#gid=690780910

It has been observed that several generating units are yet to complete the periodic testing planned under Regulation 40 of IEGC 2023. In several cases, the previously proposed testing dates have already elapsed, while revised testing schedules have not been received. Additionally, some generating units have indicated tentative testing plans, which are yet to be executed. After completion of the testing, plants are requested to share the report along with relevant data to ERLDC.

After notification IEGC-2023 within 5 years each unit has to undergo periodic testing and few (as tabulated below) of the units have only done testing till now, this will pose an overburden as now all remaining Units has to be tested within these two years. This is to ensure that the testing schedule may be staggered as accommodation of too many units within short period may not be possible to maintain reliability.

	PFR	**PSS**	**Reactive**
JIPL	Done	Not Done	Done
Talcher St-1	Not Done	Not Done	Done
Darlipalli	Not Done	Not Done	Done
Barh-II	Not Done	Not Done	Done
Tashiding	Not Done	Done	Not Done
Jorethang	Not Done	Done	Not Done

All the ISGS, IPP, intra-state generators and owners of the transmission elements as mentioned in the link as per regulation 40(3) are requested to update the status of testing. If periodic testing has been completed by any stakeholder, then they may kindly update the status and share the testing reports along with relevant data with ERPC and ERLDC.

If test is yet to be conducted or the previously anticipated dates of test are surpassed, a fresh proposed date may be submitted to ERPC, and timeline is to be strictly followed.

ERLDC may explain.Members may discuss.

2.15 Submission of Resource Adequacy Data: ERLDC

- ☐ As per the IEGC, 2023, each SLDC/utility is required to furnish Day-Ahead, Week-Ahead, Month-Ahead, and Year-Ahead Resource Adequacy (RA) data, including demand forecast, generation availability, reserve margins, and procurement plans, in accordance with the NLDC/RLDC Operating Procedure.
- ☐ Grid-India, in compliance with the Hon'ble CERC's Order dated 07.10.2024 in Petition No. 9/SM/2024, had submitted that all Eastern Region States are furnishing Day-Ahead Resource Adequacy information. Further, the Day-Ahead reporting format was revised in 2025 to incorporate reserve-related information (attached as **Annexure.B.2.15.**).

- ☐ Latest Forecast and Resource Adequacy Data receipt status at ERLDC is attached as **Annexure.B.2.15.**
- ☐ However, a review of the data being submitted through the Resource Adequacy Portal indicates that complete information is not being furnished by all States/utilities. In particular, reserve details and proposed procurement information are not being submitted in several cases. Further, variations observed between projected and actual demand and resource positions highlight the need for periodic review and improvement of forecasting methodologies to enhance the accuracy and reliability of Resource Adequacy assessments.
- ☐ In view of the above, all States/utilities are requested to ensure timely submission of complete, accurate, and updated Resource Adequacy data through the Resource Adequacy Portal. States/utilities may also review and strengthen their forecasting practices and furnish reserve and procurement details in the prescribed format to facilitate reliable resource planning, operational preparedness, and effective assessment of resource adequacy across all time horizons.

ERLDC may explain and all SLDCs may update. Members may discuss.

2.16 State-wise Peak Demand during Non-Solar Hours & Solar Hours: ERPC

- ✓ In view of the discussions held during PSP meeting at the Ministry of Power (MoP), the forum may discuss the methodology and data requirements for capturing state-wise peak demand during non-solar hours from April 2026 onwards.
- ✓ For the purpose of data compilation, solar hours may be considered as **06:00 hrs to 18:00 hrs** and the remaining period as non-solar hours. During the winter season, solar hours may be considered as **07:00 hrs to 17:00 hrs,** in line with the methodology adopted in NLDC reports.
- ✓ The constituents may provide state-wise data on peak demand during solar & non-solar hours for further analysis and consolidation.

Members may discuss.

2.17 Submission of Self Audit Compliance Report: ERLDC

- ☐ As per Clause 55 of IEGC 2023, the performance of all users, CTU, STUs, NLDC, RLDCs, SLDCs and RPCs, power exchanges, QCAs, SNAs with respect to compliance of these regulations shall be assessed periodically. IEGC mandates all entities to undertake self-audit and submit a report containing compliances, non-compliances (if any) along with sufficient information to understand how and why the non-compliance occurred, extent of damage caused by such non-compliance, steps and timeline planned to rectify the same, steps taken to mitigate any future recurrence etc., with regard to various regulations of IEGC to the respective nodal agency.
- ☐ Further as per clause 56 (2) of IEGC, to ensure compliance, all users, CTU, STUs, NLDC, RLDCs, RPCs and SLDCs, power exchanges, QCAs, SNAs shall conduct annual self-audits to review compliance of these regulations and submit the reports by 31st July of every year. Accordingly, all users of the Eastern Regional Load Despatch Centre (ERLDC) are required to submit their Self-Audit Report for FY 2025-26 to ERLDC by 31st July 2026.

ERLDC may explain.Members may note.

2.18 Deputation of SLDC officials to Grid - India for Short Term Exposure Programme: ERLDC

- ☐ As part of the Ministry of Power's broader initiative to enhance system operations and capacity building at Load Despatch Centres, a short-term knowledge-sharing exchange programme (2 to 10 days) between RLDCs and SLDCs covering areas of System Operation, Market Operation, System Logistics and Cyber security function was introduced to foster cohesion and knowledge exchange. The objective of this programme is to facilitate peer-to-peer learning from each other and propagate best practices through hands on exposure of real time working of other LDCs.
- ☐ In this regard, SLDCs are requested to depute officials to ERLDC for the short-term exposure programme.

ERLDC may explain.Members may note.

3. PART-C: ITEMS FOR INFORMATION

3.1. ER Grid performance during May 2026

The average and maximum consumption of Eastern Region and Max/Min Demand (MW), Energy Export for the month May-2026 were as follows:

AVERAGE CONSUMPTION (MU)	MAXIMUM CONSUMPTION(MU)/ DATE	MAXIMUM DEMAND (MW)	MINIMUM DEMAND (MW)	SCHEDULE EXPORT	ACTUAL EXPORT
		DATE / TIME	DATE / TIME	(MU)	(MU)
632 MU	750.7 MU, 22.05.2026	34875 MW, 22.05.2026 at 23:23 Hrs.	17389 MW, 05.05.2026 at 04:16 Hrs.	2617	3054

ERLDC/ERPC may highlight the performance of the ER grid.

3.2. Non-Submission of FRC data in stipulated time-frame: ERLDC

Adhering to IEGC clauses 30.8 and 30.10.(a) to 30.10.(q), generating stations within the Eastern region are required to submit essential data to ERLDC within two days of receiving a notification regarding a reportable frequency event. Additionally, according to clause 30.10.(n), all control areas within the eastern region must assess their frequency response characteristics and share the evaluation, along with high-resolution data, with the ERLDC. Therefore, timely submission of primary response data is crucial for compliance with the IEGC.
Hence all are again requested to follow the stipulated timeline and submit the data to ERLDC and also fill the google sheet below to include the email address where notifications of reportable events should be sent.

The latest data receipt status is given below: (as on **01.06.2026)**:

STATIONS		14.01.2026 13:38 hrs	14.01.2026 14:05 hrs	14.01.2026 14:09 hrs	30.01.2026 11:08 hrs	13.02.2026 12:14 hrs	22.02.2026 22:56 hrs	22.02.2026 23:00 hrs	03.03.2026 11:42 hrs	13.04.2026 11:00 hrs	13.05.2026 14:09 hrs	13.05.2026 16:16 hrs	15.05.2026 11:06 hrs
FSTPP #STG 1 & 2	ISGS												
FSTPP # STG 3	ISGS												
KhSTPP #STG 1	ISGS												
KhSTPP #STG 2	ISGS												
TSTPP #STG 1	ISGS												
Barh stage-1	ISGS												
Barh stage-2	ISGS												
BRBCL	ISGS												
Darlipalli	ISGS												
North Karanpura	ISGS												
NPGC	ISGS												
TEESTA V	ISGS												
PVUNL	ISGS												
Dikchu	IPP												
IBEUL (JSW UTKAL)/INDBHARAT	IPP												
GMR	CPP												
MPL	CPP												
ADHUNIK	CPP												
JITPL	CPP												
TEESTA III	CPP												
Bihar	STATE												
Jharkhand	STATE												
DVC	STATE												
OPTCL	STATE												
WB	STATE												

Updated as on	01.06.2026
	Received
	Not Received
	Plant Out
	Data freeze at plant

Hence all are again requested to follow the stipulated timeline and submit the data to ERLDC and also fill in the google sheet below to include the email address where notifications of reportable events should be sent.

https://docs.google.com/spreadsheets/d/1slvAOmQIEQVlMn0LnB78eKMa2sz2QYICZ-sPEpeV_jk/edit?usp=sharing

239th OCC Decision: -

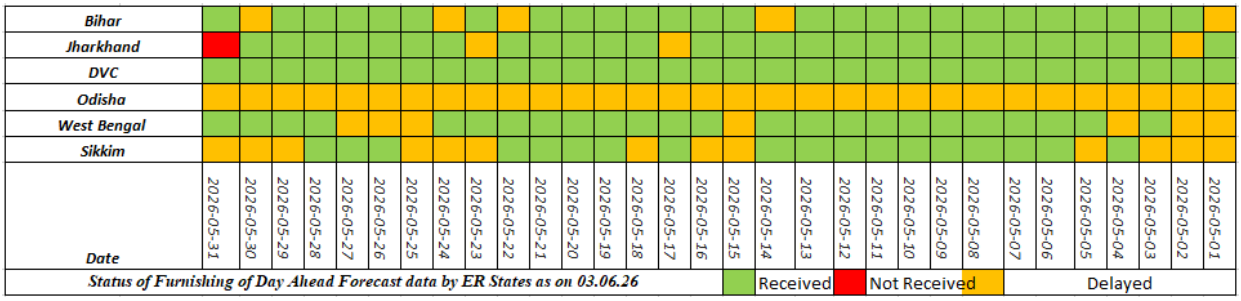
- All generators were advised to regularly share high resolution data against each reportable frequency event with ERLDC on time to facilitate accurate assessment of FRP for respective control areas.
- All generating utilities were also urged to update the google sheet (link mentioned above) with email address where notifications of reportable events will be shared.

ERLDC may explain and all SLDCs may update. Members may discuss.

3.3. Regarding Non-Submission of Forecasting Data from States: ERLDC

Clause 2 of **Regulation 31** of **IEGC 2023** has mandated all the SLDCs to timely submit the demand estimate data to the respective RLDC and RPC.

Current data submission status is given in the table below: Hence it is again requested to all the concerned for timely submission of demand estimation data to ERLDC. This collaboration is essential for effective planning and preparedness to meet the region's electricity demands efficiently and reliably. Latest Forecast and Resource Adequacy Data receipt status at ERLDC is shown below:



	Status of Furnishing of Week Ahead Forecast data by ER States					Status of Furnishing of Week Ahead Resource Adequacy data by ER States				
Bihar										
Jharkhand										
DVC										
Odisha										
West Bengal										
Sikkim										
Date	2026-05-25 to 2026-05-31	2026-05-18 to 2026-05-24	2026-05-11 to 2026-05-17	2026-05-04 to 2026-05-10	2026-04-27 to 2026-05-03	2026-05-25 to 2026-05-31	2026-05-18 to 2026-05-24	2026-05-11 to 2026-05-17	2026-05-04 to 2026-05-10	2026-04-27 to 2026-05-03
	RECEIVED					NOT RECEIVED				DELAYED RECEIVED

	Status of Furnishing of Month Ahead Forecast data by ER States	Status of Furnishing of Month Ahead Resource Adequacy data by ER States
Bihar		
Jharkhand		
DVC		
Odisha		
West Bengal		
Sikkim		
Date	01-05-2026 to 31-05-2026 (May 2026)	01-05-2026 to 31-05-2026 (May 2026)
	RECEIVED	NOT RECEIVED / DELAYED RECEIVED

239th OCC Decision: -

- ✓ OCC advised all SLDCs for strictly adhering to the schedule of demand estimation as mandated in IEGC 2023, timely sharing with ERLDC in specified format as well as uploading of forecasting error on their respective websites.
- ✓ SLDCs who are submitting day ahead forecast was advised to also share the forecasting data for their respective control areas on weekly as well as monthly basis with ERLDC.
- ✓ All SLDCs were urged to regularly furnish resource adequacy data besides demand forecast.

ERLDC may explain and all SLDCs may update. Members may discuss.

4. PART-D: OPERATIONAL PLANNING

4.1. Major Thermal Generating Units/Transmission Element outages/shutdown in ER Grid (as on 04-06-2026)

SL No	STATION	STATE	AGENCY	UNIT NO	CAPACITY (MW)	REASON(S)	OUTAGE DATE
1	JIPL	ODISHA	JIPL	1	600	BOTTOM SCRAPPER PROBLEM.	04-Jun-2026
2	BARH	BIHAR	NTPC	3	660	Boiler Tube Leakage	01-Jun-2026
3	SANTALDIH TPS	WEST BENGAL	WBPDCL	6	250	Loss of evacuation path	04-Jun-2026
4	SANTALDIH TPS	WEST BENGAL	WBPDCL	5	250	Boiler Tube Leakage	03-Jun-2026
5	SAGARDIGHI	WEST BENGAL	WBPDCL	5	660	Problem in AHP	31-May-2026
6	BARAUNI TPS	BIHAR	NTPC	9	250	Boiler tube leakage	04-May-2026
7	RTPS	DVC	DVC	2	600	High Turbine Vibration	14-Apr-2026

All Generating stations are requested to update expected restoration time and reason outage to ERLDC/ERPC on weekly basis in case of any change at their end.

Major Generating stations Out on Reserve Shutdown due to low system demand:

SL No	STATION	STATE	AGENCY	UNIT NO	CAPACITY (MW)	REASON(S)	OUTAGE DATE
NA							

Hydro Unit Outage Report: -

S. NO	STATION	STATE	AGENCY	UNIT NO	CAPACITY (MW)	REASON(S)	OUTAGE DATE
1	BURLA HPS/HIRAKUD I	ODISHA	OHPC	5	43.65	Annual Maintenance	19-Jan-2026
2	BALIMELA HPS	ODISHA	OHPC	5	60	Repair and maintenance work	16-Jan-2025
3	BALIMELA HPS	ODISHA	OHPC	6	60	Initially unit was out due to Severe water leakage from turbine, later unit was taken under Repair and maintenance work from 00:00 hrs of 16.01.25	06-Jan-2025
4	TEESTA HPS	SIKKIM	NHPC	1	170	Sudden cloudburst at glacier fed LOHNAK Lake followed by huge	04-Oct-2023

5	TEESTA HPS	SIKKIM	NHPC	2	170	inrush of water in Teesta River and damage of Teesta III Dam & downstream Powerhouses	04-Oct-2023
6	TEESTA HPS	SIKKIM	NHPC	3	170		04-Oct-2023
7	TEESTA STG III Hep	SIKKIM	TUL	1	200		04-Oct-2023
8	TEESTA STG III Hep	SIKKIM	TUL	2	200		04-Oct-2023
9	TEESTA STG III Hep	SIKKIM	TUL	3	200		04-Oct-2023
10	TEESTA STG III Hep	SIKKIM	TUL	4	200		04-Oct-2023
11	TEESTA STG III Hep	SIKKIM	TUL	5	200		04-Oct-2023
12	TEESTA STG III Hep	SIKKIM	TUL	6	200		04-Oct-2023
13	U. KOLAB	ODISHA	OHPC	2	80	Heavy Leakage in guide vane	22-Jan-2026
14	BALIMELA HPS	ODISHA	OHPC	4	60	Could not be brought back into service due to profuse oil leakage in Cable Gland box bath at the inlet of RTT/DTT cable	04-Jun-2026
15	SANTALDIH TPS	WEST BENGAL	WBPDCL	6	250	Loss of evacuation path	04-Jun-2026
16	SANTALDIH TPS	WEST BENGAL	WBPDCL	5	250	Boiler Tube Leakage	03-Jun-2026

4.2. Long outage report of transmission Element (MORE THAN 01 WEEK) (As on 04.06.2026):

Transmission Element / ICT	Outage From	Reasons for Outage
220KV-FSTPP-LALMATIA-I	21-04-2021	Two nos. of tower collapsed on 29.05.2024 near to Lalmatia GSS in the Loc. No. 246 & 247. 220KV S/C Farakka-Lalmatia Transmission Line is in anti-theft charging condition from Loc no 248 (Lalmatia end) to Loc no 33. Foundation, erection, and stringing progress from loc 1 to 32
132KV-BARHI-RAJGIR-1	25-03-2023	Dismantling of tower no. 227, 228, and 229 crossing the premises of Mahabodhi Cultural centre along with Destringing of conductor of both circuits and Earth wire between tension tower no. 218-237 in same line. The lines from Barhi (DVC) will be terminated at Barachatti (BH) and new line to be constructed from Barachatti to Rajgir (BH)
132KV-NALANDA-BARHI(DVC)-1	25-03-2023	Dismantling of tower no. 227, 228, and 229 crossing the premises of Mahabodhi Cultural centre along with Destringing of conductor of both circuits and Earth wire between tension tower no.

		218-237 in same line. The lines from Barhi (DVC) will be terminated at Barachatti (BH) and new line to be constructed from Barachatti to Nalanda (BH)
400KV-RANGPO-TEESTA-V-1	04-10-2023	Tower near gantry of Teesta V HEP collapsed during GLOF event in Oct 2023 also leading to damage in powerhouse. Tower subsequently erected on 15.06.2024. Teesta V HEP GIS damaged due to hill sinking on 20.08.2024. Presently, GIS under restoration and generation expected by July 2026.
400KV-RANGPO-TEESTA-V-2	04-10-2023	Tower near gantry of Teesta V HEP collapsed during GLOF event in Oct 2023 also leading to damage in powerhouse. Tower subsequently erected on 15.06.2024. Teesta V HEP GIS damaged due to hill sinking on 20.08.2024. Presently, GIS under restoration and generation expected by July 2026.
400KV/220KV 315 MVA ICT 1 AT NORTH KARANPURA	12-09-2024	Tripped on Differential protection
400KV/220KV 315 MVA ICT 1 AT TSTPP	01-11-2024	Tripped on PRD protection. The failed transformer has reached the vendor, the repair scope has been finalized, with the ICT likely to be available by 30.06.2026.
400KV/220KV 315 MVA ICT 2 AT MEJIA-B	20-01-2025	315 MVA ICT-2 at MTPS-B got damaged while charging from 220kV GIS bay. New procurement of ICT has been taken up & installation of the same may complete by end of Mar'28.
400KV-DIKCHU-RANGPO-2	05-08-2025	Shutdown taken for damaged insulator replacement work. While charging the line, bus bar protection operated at Dikchu. Issue in GIS chamber of Y ph Isolator between line CB and bus 2. Powder formation inside isolator chamber has occurred. Restoration work delayed.
400KV MAIN BUS - 2 AT DIKCHU	05-08-2025	Bus bar protection operated while charging 400kV Dikchu-Rangpo 2. Issue in GIS chamber of Y ph. Isolator between Rangpo ckt 2-line CB and bus 2. Powder formation inside isolator chamber has occurred. Restoration work delayed.
220KV-PATNA-KHAGAUL-1	24-09-2025	LBB relay operated during rectification of DC grounding defect by M/S KRR at GSS Khagaul. Earlier w.e.f 02-08-2025 12:06 Hrs, Tower No. 63 has bent significantly on one side.
220KV-BIDHANNAGAR-WARIA-1	29-10-2025	To control loading of 220 kV Waria-Mejia D/C (Anti-theft charged from Waria end.)
220KV-BIDHANNAGAR-WARIA-2	29-10-2025	Initially line was opened to control line loading. In between B-phase CT Blast at Bidhannagar end. Now Line is charged as anti-theft from Waria end to control loading of 220 kV Waria-Mejia D/C.
220KV-BALIMELA-UPPER SILERU-1	21-11-2025	Idle charged from U. Sileru end. Power drawl by Odisha halted due to non-concurrence by Andhra Pradesh.
400KV/220KV 315 MVA ICT 1 AT KODERMA	10-02-2026	ICT out due to rising acetylene trend.

132KV-RANGIT-SAGBARI-1	28-02-2026	Necessary jumpering modification at Sagbari station (EPDS).
400KV-TEESTA-III-RANGPO-1	15-03-2026	Rangpo: B_N, DEF, 0.68 kA
400KV/220KV 315 MVA ICT 2 AT LAPANGA	14-04-2026	Differential Protection Operated causing tripping of ICT. As reported multiple bushings damaged. Expected restoration timeline yet to be intimated by OPTCL.
220KV-RAJARHAT-NEW TOWN(AA-II)-1	18-04-2026	Shutdown to attend smoke detected from underground cable
132KV-ARRAH (PG)-JAGDISHPUR-1	23-04-2026	Site initiated Hand Trip
220KV-BUDHIPADAR-KORBA-2	24-04-2026	For modification/diversion work between loc. No. 77 (A+3m) – 80 (A+0m) (RL – 1.032 KM). Erection of 04 No. BN60 type towers and Dismantling 02 No. existing towers- 78 & 79 on request of M/s IRCON Ltd Bilaspur due to construction of new BG Urga- Dharamjaigarh Rail Corridor.
400KV/220KV 315 MVA ICT 2 AT DSTPS(ANDAL)	03-05-2026	To be dismantled and shifted to KTPS
400KV-PATNA-NAUBATPUR(BH)-2	09-05-2026	For Destringing of Quad from AP-01 TO Ext. MC-02 OF 400kV Naubatpur -Patna (PG) ckt-02, residual quad jumpering work from AP-01 TO AP-78, Twin stringing from AP -78A to Ext MC-02 .
400KV-BUXAR-NAUBATPUR-2	12-05-2026	For stringing of twin moose conductor in 400KV Naubatpur - Buxar ckt-2 from AP- 78A/0 to M/C -2 AP-78/0
400KV-JEYPORE-GAZUWAKA-1	15-05-2026	NH-130CD NHAI Diversion work at location 131,133, 151-153 and 179-180
400KV-JEYPORE-GAZUWAKA-2	15-05-2026	NH-130CD NHAI Diversion work at location 131,133, 151-153 and 179-180
765KV-DHARAMJAIGARH-JHARSUGUDA-2	21-05-2026	For diversion of existing 765kV D/C Jharsuguda – Dharamjaygarh Ckt 1&2, due to upcoming railway line of IRCON.
765KV-DHARAMJAIGARH-JHARSUGUDA-1	21-05-2026	For diversion of existing 765kV D/C Jharsuguda – Dharamjaygarh Ckt 1&2, due to upcoming railway line of IRCON.
220KV-KHAGARIA-NEW PURNEA-2	25-05-2026	Khagaria: RYB Fault , Ir-2.821kA ,Iy-3.130kA ,Ib-2.992kA : New Purnea :R-Y-B FAULT, Z1, FD-84.2KM, FC: IR- 2.99KA, IY- 3.07KA, IB- 3.04KA; 03 Nos of towers at Loc Nos- 320(DA+0 type), 321(DA+0 type) and 322(DB+0 type) has collapsed and 01 Nos of tower at Loc No- 323 (DB+6 type) has bent from first Cross arm during heavy cyclonic storm on 25-05-2026
220KV-KHAGARIA-NEW PURNEA-1	25-05-2026	NPRN(SITE): R-N, FD- 86.20KM, FC- 2.26KA : Khagaria :,Y ph , Zone 1, 2.322 KA; 03 Nos of

		towers at Loc Nos- 320(DA+0 type), 321(DA+0 type) and 322(DB+0 type) has collapsed and 01 Nos of tower at Loc No- 323 (DB+6 type) has bent from first Cross arm during heavy cyclonic storm on 25-05-2026
400/220 KV 315 MVA ICT 4 AT ARAMBAGH	29-05-2026	Tripped
400KV-NEW PURNEA-MUZAFFARPUR-1	29-05-2026	Pile Foundation TN 348

Transmission licensees/ Utilities are requested to update expected restoration date & work progress regarding restoration regularly to ERPC/ERLDC on monthly basis by 5th of each month so that status of restoration can be reviewed in OCC. Utilities are also requested to update outage of any elements within their substation premises like isolator/breaker to ERPC/ERLDC regularly. (Reported as per Clause 5.2(e) of IEGC).

Members may note.

4.3. Commissioning of new units and transmission elements in Eastern Grid in the month of May-2026

The details of new units/transmission elements commissioned in the month of May-2026 based on the inputs received from beneficiaries:

NEW ELEMENTS COMMISSIONED DURING May, 2026							
उत्पादन इकाइयाँ / GENERATING UNITS							
क्र. सं. Sl. No.	स्थान Location / Pooling Station	मालिक/यूनिट का नाम OWNER/UNIT NAME	यूनिट संख्या/स्रोत Unit No/Source	संकलित क्षमता (मेगावाट) Capacity added (MW)	कुल/स्थापित क्षमता (मेगावाट) Total/Installed Capacity (MW)	दिनांक DATE	टिप्पणी Remarks
1	Chausa, Buxar, Bihar	SJVN Thermal Pvt. Ltd/BUXAR TPP	2/Coal	660	1320	08-05-2026	First Time sync.
आई.सी.टी/जी.टी/एस.टी / ICTs/ GTs / STs							
क्र. सं. Sl. No.	एजेंसी/ मालिक Agency/ Owner	उप-केन्द्र SUB-STATION	आईसीटी संख्या ICT NO	वोल्टेज (केवी) Voltage Level (kV)	क्षमता (एमवीए) CAPACITY (MVA)	दिनांक DATE	टिप्पणी Remarks
1	SJVN Thermal Pvt. Ltd	BUXAR TPP	GT-02	400/20 kV	825	08-05-2026	
प्रेषण लाइन / TRANSMISSION LINES							

क्र. सं. Sl. No.	एजेंसी/ मालिक Agency/ Owner	लाइन का नाम LINE NAME	लंबाई (किमी) Length (KM)	कंडक्टर प्रकार Conductor Type	दिनांक DATE	टिप्पणी Remarks
NIL						
लिलो / प्रेषण लाइन की पुनर्व्यवस्था / LILO/RE-ARRANGEMENT OF TRANSMISSION LINES						
क्र. सं. Sl. No.	एजेंसी/ मालिक Agency/ Owner	लाइन का नाम / लिलो पर Line Name/LILO at	लंबाई (किमी) Length (KM)	कंडक्टर प्रकार Conductor Type	दिनांक DATE	टिप्पणी Remarks
1	JUSNL	220KV-DHANBAD (NKTL)-DUMKA-1	106	Single Zebra	07-05-2026 18:18	LILO of 220 KV Dumka-Govindpur Circuit-I at 400/220 KV GSS Dhanbad (NKTL)
2	JUSNL	220KV-DHANBAD (NKTL)-GOVINDPUR-1	36	Single Zebra	07-05-2026 17:55	LILO of 220 KV Dumka-Govindpur Circuit-I at 400/220 KV GSS Dhanbad (NKTL)
3	UPPTCL, JUSNL	132KV-NAGARUNTARI-MYORPUR-1	68.68	ACSR Panther	27-05-2026 23:59	LILO of 132 kV Rihand–Nagaruntari line at 132 kV Myorepur S/S:
बस/लाइन रिएक्टर / BUS/LINE REACTOR						
क्र. सं. Sl. No.	एजेंसी/ मालिक Agency/ Owner	एलेमेंट का नाम Element Name	उप-केन्द्र SUB-STATION	रेटिंग (एमवीएआर) Rating (MVAr)	दिनांक DATE	टिप्पणी Remarks
NIL						
एच.वी.डी.सी/ए.सी फिल्टर बैंक/फैक्ट्स डिवाइस संबद्ध प्रणाली / HVDC /AC Filter bank / FACTS DEVICE associated System						
क्र. सं. Sl. No.	एजेंसी/ मालिक Agency/ Owner	एलेमेंट का नाम Element Name	उप-केन्द्र SUB-STATION	वोल्टेज (केवी) Voltage Level (kV)	दिनांक DATE	टिप्पणी Remarks
NIL						
बस - बे / BUS - BAYS						
क्र. सं	एजेंसी/ मालिक	एलेमेंट का नाम	उप-केन्द्र	वोल्टेज (केवी)	दिनांक	टिप्पणी

.Sl.No.	Agency/ Owner	Element Name	SUB-STATION	Voltage Level (kV)	DATE	Remarks
1	BSPTCL	400KV MAIN BAY OF BUXAR TPP-1 AT NAUBATPUR(BH)	NAUBATPUR (BH)	400 KV	02-05-2026 20:49	
2	SJVN Thermal Pvt. Ltd	400KV MAIN BAY OF GT-02 AT Buxar TPP	Buxar TPP	400 KV	08-05-2026 12:30	

Members may note.

4.4. UFR operation during the month of May 2026

Frequency profile for the month as follows:

MONTH	MAX (DATE/TIME)	MIN (DATE/TIME)	% LESS IEGC BAND	% WITHIN IEGC BAND	% MORE IEGC BAND
May 2026	50.42 (on 03-May-26 at 08:14 Hrs.)	49.47 (on 13-May-26 at 14:09 Hrs.)	6.5	77.3	16.2

UFR details for the month as follows:

Constituent	UFR Stage	Quantum Approved in MW	Quantum Installed in MW	Quantum Operated	(Quantum Not Operated)
JUSNL	Stage 1	87	85	54	31
BSPTCL	Stage 1	315	292	93	199
ODISHA	Stage 1	306	316	205	111
West Bengal (WBSEDCL)	Stage 1	377	440	226	214
West Bengal (CESC)	Stage 1	120	120	72	48
DVC	Stage 1	172	173	150	23
Total ER		**1377**	**1427**	**800**	**627**

Hence, no report of operation of UFR has been received from any of the constituents.

Members may note.

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Annex B.2.1.i.

The quantum of load shedding in different stages of AUFLS has been calculated based on the peak demand met of the region in the financial year (2025-26)

Sr. No.	Stage	Frequency	Demand Disconnection	NR		WR		SR		ER		NER	
AUFLS Set Points and Percentage Quantum of Relief				Peak Demand Met in 2025-26 (in MW)	Quantum of LS (in MW)	Peak Demand Met in 2025-26 (in MW)	Quantum of LS (in MW)	Peak Demand Met in 2025-26 (in MW)	Quantum of LS (in MW)	Peak Demand Met in 2025-26 (in MW)	Quantum of LS (in MW)	Peak Demand Met in 2025-26 (in MW)	Quantum of LS (in MW)
1	Stage 1	49.4 Hz	5.00%	90,772	3905	83,081	3574	73,805	3175	33,452	1439	4,157	179
2	Stage 2	49.2 Hz	6.00%	90,772	4685	83,081	4288	73,805	3810	33,452	1727	4,157	215
3	Stage 3	49.0 Hz	7.00%	90,772	5466	83,081	5003	73,805	4445	33,452	2015	4,157	250
4	Stage 4	48.8 Hz	7.00%	90,772	5466	83,081	5003	73,805	4445	33,452	2015	4,157	250

Note:Formula as mentioned in the report of the task force :Stage-wise relief (%)*RP_{Region}*AP/RP

All India Peak Met in MW (AP)	**245416**
Regional Peak Met - NR in MW	**90772**
Regional Peak Met - WR in MW	**83081**
Regional Peak Met- SR in MW	**73805**
Regional Peak Met - ER in MW	**33452**
Regional Peak Met - NER in MW	**4157**
Sum of Regional Peaks in MW = (RPNR+ RPWR + RPSR + RPER +RPNER) (RP)	**285267**
AP/RP	**0.860302804**

Annexure- B.2.6.

Annexure-1

List of Secure Meters – for the midnight reactive high/low logic change

Utility	Substation	Feeder Name	Meter SL No	Status (Completed/WIP)
JHARKHAND	NAGARUNTARI (JH)	132 KV NAGARUNTARI(JSEB) - RIHAND(NR)	NS-3192-A	WIP
ODISHA	JODA (GRIDCO)	132 KV JODA (GRIDCO)-KENDPOSI (JSEB)	NS-3200-A	WIP
IPP/Generator	RONGNICHU	220 KV SIDE OF 220/11 KV ST-1 OF RONGNICHU(MBPCL) HEP	NS-3292-A	WIP
IPP/Generator	TALCHER (NTPC)	400 KV TALCHER (NTPC)-MERAMUNDALI(GRIDCO)-2(CHK)	NS-3246-A	WIP
IPP/Generator	TALCHER (NTPC)	400 KV TALCHER (NTPC)-MERAMUNDALI(GRIDCO)-1(CHK)	NS-3242-A	WIP
IPP/Generator	TALCHER (NTPC)	400 KV TALCHER(NTPC) STG-I - STG-II-2 (CHECK)	NS-3223-A	WIP
IPP/Generator	TALCHER (NTPC)	400 KV SIDE OF TALCHER(NTPC) GT-1	NS-3222-A	WIP
IPP/Generator	TALCHER (NTPC)	400 KV TALCHER(NTPC) STG-I - STG-II-1 (CHECK)	NS-3221-A	WIP
IPP/Generator	TALCHER (NTPC)	400 KV TALCHER (NTPC)-RENGALI (PG)-2(CHK MTR)	NS-3208-A	WIP
POWERGRID	JEYPORE	400 KV JEYPORE (PG) TO JAGDALPUR(WR) LINE-2	NS-3244-A	WIP
POWERGRID	JEYPORE	400 KV JEYPORE (PG) TO JAGDALPUR(WR) LINE-1	NS-3202-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)-MAITHON(PG)	NS-3406-A	WIP
POWERGRID	RANCHI	33 KV SIDE OF 33/0.415 RANCHI(PG) TERTIARY TRF(PG)	NS-3405-A	WIP
POWERGRID	RANCHI	220 KV RANCHI(PG) - HATIA (JSEB)-2	NS-3404-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)-ROURKELA (PG)-2	NS-3403-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)-RTPS(DVC)	NS-3402-A	WIP
POWERGRID	RANCHI	220 KV RANCHI(PG) - HATIA (JUVNL)-3	NS-3401-A	WIP
POWERGRID	RANCHI	400 KV SIDE OF RANCHI(PG) 315MVA ICT-2	NS-3399-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)- DHANBAD(NKTL)-I	NS-3398-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)-RTPS(DVC)-3	NS-3397-A	WIP
POWERGRID	RANCHI	220 KV RANCHI(PG) - CHANDIL (JUVNL)-1	NS-3396-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)-RTPS(DVC)-2	NS-3395-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)-SIPAT-1 (WR)	NS-3394-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)-ROURKELA (PG)-1	NS-3392-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)- DHANBAD(NKTL)-II	NS-3389-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)- RANCHI NEW(PG) LINE-1	NS-3387-A	WIP
POWERGRID	RANCHI	220 KV SIDE OF RANCHI(PG) 315MVA ICT-1	NS-3386-A	WIP
POWERGRID	RANCHI	220 KV SIDE OF RANCHI(PG) 315MVA ICT-2	NS-3385-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)- RANCHI NEW(PG) LINE-2	NS-3383-A	WIP
POWERGRID	RANCHI	400 KV SIDE OF RANCHI(PG) 315MVA ICT-1	NS-3382-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)-SIPAT-2 (WR)	NS-3380-A	WIP
POWERGRID	RANCHI	400 KV RANCHI(PG)- RANCHI NEW(PG) LINE-4	NS-3377-A	WIP
SIKKIM	LEGSHIP POOL (SK)	220 KV LEGSHIP POOL(SIKKIM)-TASHIDING(SIGHA)	NS-2955-A	WIP
SIKKIM	LEGSHIP POOL (SK)	220 KV LEGSHIP POOL(SIKKIM)-NEW MELLI(PG)	NS-2943-A	WIP

SIKKIM	MELLI (SK)	132 KV MELLI (SIKKIM) - SILIGURI (PG)	NS-3330-A	WIP
SIKKIM	MELLI (SK)	132 KV MELLI (SIKKIM) - RANGPO (PG)	NS-3320-A	WIP
WEST BENGAL	FALAKATA (WB)	220 KV FALAKATA (WB) - BIRPARA (PG) LINE-1	NS-3338-A	WIP
WEST BENGAL	FALAKATA (WB)	220 KV FALAKATA (WB) - ALIPURDUAR (PG) LINE-2	NS-3328-A	WIP
WEST BENGAL	FALAKATA (WB)	220 KV FALAKATA (WB) - BIRPARA (PG) LINE-2	NS-3327-A	WIP
WEST BENGAL	FALAKATA (WB)	220 KV FALAKATA (WB) - ALIPURDUAR (PG) LINE-1	NS-3307-A	WIP
IPP/Generator	SITAMARHI	220 KV SIDE OF SITAMARHI(PMTL) 500MVA 400/220/33KV ICT-1	NS-3091-A	Completed
IPP/Generator	SITAMARHI	220 KV SIDE OF SITAMARHI(PMTL) 500MVA 400/220/33KV ICT-2	NS-3081-A	Completed
POWERGRID	ANGUL	400 KV ANGUL(PG)-GMR LINE-1 (CHECK)	NS-3248-A	Completed
POWERGRID	ANGUL	765 KV SIDE OF ANGUL(PG) 1500 MVA 765/400 ICT-2	NS-3238-A	Completed
POWERGRID	ANGUL	415 V SIDE OF 33/0.415 ANGUL(PG) TERT TRF(PG)	NS-3236-A	Completed
POWERGRID	ANGUL	400 KV ANGUL(PG)-GMR LINE-2 (CHECK)	NS-3229-A	Completed
POWERGRID	ANGUL	400 KV ANGUL(PG)-JITPL LINE-2 (CHECK)	NS-3219-A	Completed
POWERGRID	ANGUL	400 KV ANGUL(PG)-JITPL LINE-1 (MAIN)	NS-3217-A	Completed
POWERGRID	ANGUL	400 KV ANGUL(PG)-BOLANGIR(PG) LINE	NS-3216-A	Completed
POWERGRID	ANGUL	765 KV SIDE OF ANGUL(PG) 1500 MVA 765/400 ICT-3	NS-3213-A	Completed
POWERGRID	ANGUL	765 KV SIDE OF ANGUL(PG) 1500 MVA 765/400 ICT-4	NS-3211-A	Completed
POWERGRID	ANGUL	400 KV ANGUL(PG)-JITPL LINE-2 (MAIN)	NS-3206-A	Completed
POWERGRID	ANGUL	400 KV ANGUL(PG)-JITPL LINE-1 (CHECK)	NS-3203-A	Completed
POWERGRID	ARAH	132 KV ARAH (PG)- DUMRAON (BSPHCL)	NS-3078-A	Completed
POWERGRID	ARAH	132 KV ARAH (PG)-ARAH (BSPHCL)	NS-3129-A	Completed
POWERGRID	ARAH	132 KV ARAH(PG)- JAGDISHPUR(BSPHCL)-2	NS-3124-A	Completed
POWERGRID	ARAH	220 KV ARA(PG)- DUMRAON NEW(BSPHCL) LINE-1	NS-3120-A	Completed
POWERGRID	ARAH	220 KV ARA(PG)- DUMRAON NEW(BSPHCL) LINE-2	NS-3130-A	Completed
POWERGRID	ARAH	220 KV SIDE OF ARAH(PG) 220/132 KV 100 MVA ICT-2	NS-3126-A	Completed
POWERGRID	ARAH	132 KV ARAH(PG)- JAGDISHPUR(BSPHCL)-1	NS-3125-A	Completed
POWERGRID	ARAH	220 KV ARAH (PG)-NAUBATPUR(BSPHCL)-1	NS-3123-A	Completed
POWERGRID	ARAH	220 KV ARAH (PG)-NAUBATPUR(BSPHCL)-2	NS-3127-A	Completed
POWERGRID	BARIPADA	400 KV BARIPADA (PG)-KHARAGPUR (WBSETCL)	NS-3237-A	Completed
POWERGRID	BARIPADA	400 KV BARIPADA(PG)- TATA JAMSHEDPUR(DVC)	NS-3226-A	Completed
POWERGRID	BARIPADA	400 KV SIDE 500 MVA 400/220 BARIPADA(PG) ICT-3	NS-3215-A	Completed
POWERGRID	BARIPADA	400 KV SIDE OF BARIPADA(PG) 400/220 315 MVA ICT-2	NS-3210-A	Completed
POWERGRID	BARIPADA	400 KV BARIPADA(PG)-JAMSHEDPUR(PG)	NS-3205-A	Completed
POWERGRID	BARIPADA	400 KV BARIPADA(PG)-DUBURI(GRIDCO)	NS-3201-A	Completed
POWERGRID	BIHARSHARIF	400 KV BIHARSHARIFF(PG)-BALIA (NR)-2	NS-3132-A	Completed
POWERGRID	BINAGURI	400 KV BINAGURI(PG) - BONGAIGAON (NER)-2	NS-3287-A	Completed
POWERGRID	BINAGURI	400 KV BINAGURI (PG)-TALA (THP)-2	NS-3344-A	Completed
POWERGRID	BINAGURI	400 KV BINAGURI(PG)-PURNEA(PG)-2	NS-3325-A	Completed
POWERGRID	BINAGURI	220 KV BINAGURI (PG) - JALPAIGURI (WBSETCL)-I	NS-3343-A	Completed
POWERGRID	BINAGURI	400 KV BINAGURI(PG)-ALIPURDUAR(PG)-3	NS-3326-A	Completed
POWERGRID	BINAGURI	400 KV BINAGURI(PG)-PURNEA(PG)-1	NS-3352-A	Completed
POWERGRID	BINAGURI	400 KV BINAGURI(PG)-KISHANAGNJ(PG)-1	NS-3260-A	Completed
POWERGRID	BINAGURI	400 KV BINAGURI (PG)-MALBASE(PG)	NS-3362-A	Completed
POWERGRID	BIRPARA	220 KV BIRPARA (PG) - MALBASE	NS-3252-A	Completed

POWERGRID	BIRPARA	220 KV SIDE OF BIRPARA(PG) 220/132 ICT-1	NS-3310-A	Completed
POWERGRID	BIRPARA	220 KV SIDE OF BIRPARA(PG) 220/132 ICT-2	NS-3261-A	Completed
POWERGRID	GANGTOK	132 KV SIDE OF GANGTOK(PG) 132/66 KV 50MVA ICT-3	NS-3304-A	Completed
POWERGRID	GANGTOK	66 KV SIDE OF GANGTOK(PG) 132/66 KV 50 MVA ICT-3	NS-3356-A	Completed
POWERGRID	GAYA	400 KV GAYA(PG)-NORTH KARANPURA(NTPC)-2	NS-3063-A	Completed
POWERGRID	GAYA	400 KV GAYA(PG)-NORTH KARANPURA(NTPC)-1	NS-3059-A	Completed
POWERGRID	KEONJHAR	220KV TURUMUNGA -2 (AT PGCIL END)	NS-3241-A	Completed
POWERGRID	KEONJHAR	220KV TURUMUNGA -1 (AT PGCIL END)	NS-3240-A	Completed
POWERGRID	KISHANGANJ	400 KV KISHANGANJ(PG)-SAHARSHA(PMTL)-1	NS-3083-A	Completed
POWERGRID	KISHANGANJ	400 KV SIDE OF KISHANGANJ(PG) 500 MVA 400/220 ICT-2	NS-3197-A	Completed
POWERGRID	KISHANGANJ	220 KV KISHANGANJ(PG)-SILIGURI(PG)-1	NS-3190-A	Completed
POWERGRID	KISHANGANJ	400 KV KISHANGANJ(PG)-BINAGURI(PG)-1	NS-3189-A	Completed
POWERGRID	KISHANGANJ	400 KV KISHANGANJ(PG)-PURNEA(PG)-1	NS-3176-A	Completed
POWERGRID	KISHANGANJ	400 KV SIDE 500 MVA 400/220 KISHANGANJ(PG) ICT-1	NS-3154-A	Completed
POWERGRID	KISHANGANJ	220 KV KISHANGANJ(PG)-KISHANGANJ(BSPTCL)-4	NS-3133-A	Completed
POWERGRID	KISHANGANJ	220 KV KISHANGANJ(PG)-KISHANGANJ(BSPTCL)-1	NS-3102-A	Completed
POWERGRID	KISHANGANJ	400 KV KISHANGANJ(PG)-SAHARSHA(PMTL)-2	NS-3092-A	Completed
POWERGRID	LAKHISARAI	400 KV LAKHISARAI(PG)-KAHALGAON(NTPC)-2	NS-3075-A	Completed
POWERGRID	LAKHISARAI	132 KV LAKHISARAI(PG)-LAKHISARAI(BSPHCL)-2	NS-3073-A	Completed
POWERGRID	LAKHISARAI	400 KV LAKHISARAI(PG)-KAHALGAON(NTPC) LINE-1	NS-3070-A	Completed
POWERGRID	LAKHISARAI	400 KV LAKHISARAI(PG)-BIHARSHARIFF(PG)-2	NS-3068-A	Completed
POWERGRID	LAKHISARAI	33 KV SIDE OF 33/0.415 LAKHISARAI(PG) TERT TRF(PG)	NS-3066-A	Completed
POWERGRID	LAKHISARAI	132 KV LAKHISARAI(PG)-LAKHISARAI(BSPHCL)-1	NS-3065-A	Completed
POWERGRID	LAKHISARAI	132 KV LAKHISARAI(PG)-JAMUI(BSPHCL)-1	NS-3064-A	Completed
POWERGRID	MALDA	132 KV MALDA(PG)-MANIKCHAK(WBSETCL) LINE-1	NS-3026-A	Completed
POWERGRID	MALDA	132 KV MALDA(PG)-MANIKCHAK(WBSETCL) LINE-2	NS-2974-A	Completed
POWERGRID	MEDINIPUR	400 KV MEDINIPUR(PG)-CHANDITALA(WB)-1	NS-3348-A	Completed
POWERGRID	MEDINIPUR	400 KV MEDINIPUR(PG)-KHARAGPUR(WB)-2	NS-3347-A	Completed
POWERGRID	MEDINIPUR	765 KV SIDE OF MEDINIPUR(PG) 765/400KV 1500 MVA ICT-2	NS-3334-A	Completed
POWERGRID	MEDINIPUR	400 KV MEDINIPUR(PG)-KHARAGPUR(WB)-1	NS-3333-A	Completed
POWERGRID	MEDINIPUR	400 KV MEDINIPUR(PG)-CHANDITALA(WB)-2	NS-3324-A	Completed
POWERGRID	MEDINIPUR	400 KV SIDE OF MEDINIPUR(PG) 765/400KV 1500 MVA ICT-1	NS-3308-A	Completed
POWERGRID	MEDINIPUR	765 KV SIDE OF MEDINIPUR(PG) 765/400KV 1500 MVA ICT-1	NS-3301-A	Completed
POWERGRID	MEDINIPUR	400 KV SIDE OF MEDINIPUR(PG) 765/400KV 1500 MVA ICT-2	NS-3298-A	Completed
POWERGRID	MEDINIPUR	33 KV SIDE OF MEDINIPUR(PG) 765/400/33KV 1500 MVA ICT-1(TERTIARY)	NS-3288-A	Completed
POWERGRID	MUZAFFARPUR	220 KV MUZAFFARPUR(PG)-GORAUL(BSPHCL)-2	NS-3047-A	Completed
POWERGRID	MUZAFFARPUR	220 KV MUZAFFARPUR(PG)-GORAUL(BSPHCL)-1	NS-3046-A	Completed
POWERGRID	MUZAFFARPUR	220 KV MUZAFFARPUR(PG) - KANTI(BSEB)-2	NS-3045-A	Completed
POWERGRID	MUZAFFARPUR	220 KV MUZAFFARPUR(PG) - KANTI(BSEB)-1	NS-3044-A	Completed
POWERGRID	MUZAFFARPUR	415 V SIDE OF 33/0.415 MUZAFFARPUR(PG) TERT TRF(PG)	NS-3042-A	Completed
POWERGRID	MUZAFFARPUR	400 KV SIDE OF MUZAFFARPUR(PG) 500 MVA ICT-4	NS-3040-A	Completed
POWERGRID	MUZAFFARPUR	400/220 KV MUZAFFARPUR(PG) 315MVA ICT-2	NS-3039-A	Completed
POWERGRID	MUZAFFARPUR	400/220 KV MUZAFFARPUR(PG) 315MVA ICT-1	NS-3037-A	Completed

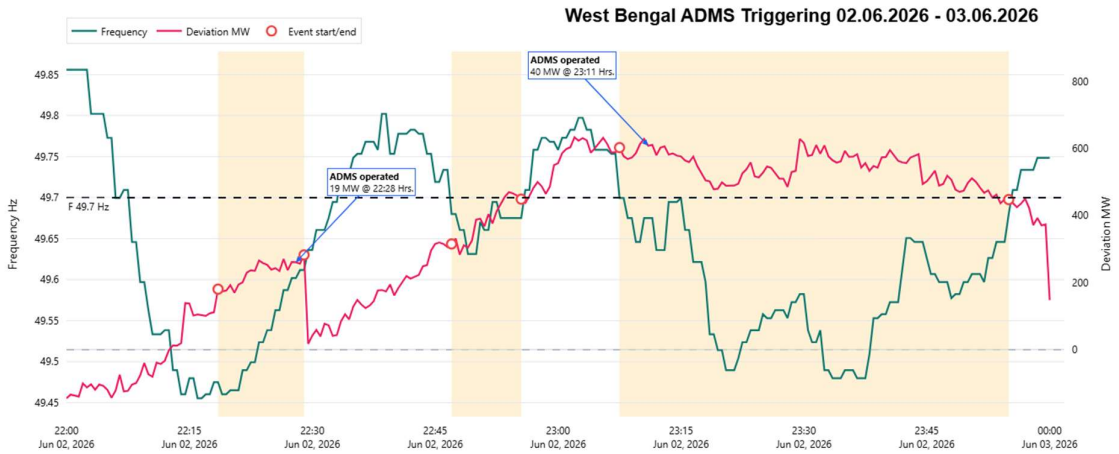
POWERGRID	MUZAFFARPUR	400 KV MUZAFFARPUR(PG)-DARBHANGA(DMTCL)-2	NS-3036-A	Completed
POWERGRID	MUZAFFARPUR	400 KV MUZAFFARPUR(PG) - PURNEA(PG)-2	NS-3035-A	Completed
POWERGRID	MUZAFFARPUR	400 KV MUZAFFARPUR(PG) - PURNEA(PG)-1	NS-3034-A	Completed
POWERGRID	MUZAFFARPUR	400 KV MUZAFFARPUR (PG)-GORAKHPUR(NR)-2	NS-3031-A	Completed
POWERGRID	MUZAFFARPUR	400 KV MUZAFFARPUR (PG)-GORAKHPUR(NR)-1	NS-3029-A	Completed
POWERGRID	MUZAFFARPUR	400 KV MUZAFFARPUR (PG)-BIHARSHARIFF(PG)-2	NS-3028-A	Completed
POWERGRID	MUZAFFARPUR	400 KV MUZAFFARPUR (PG)-BIHARSHARIFF(PG)-1	NS-3027-A	Completed
POWERGRID	RANGPO	400 KV RANGPO(PG)- DICKCHU LINE	NS-3316-A	Completed
POWERGRID	RANGPO	400 KV RANGPO(PG)- TEESTA-III LINE	NS-3286-A	Completed
POWERGRID	RANGPO	400 KV RANGPO(PG)-BINAGURI(PG) LINE-1	NS-3303-A	Completed
POWERGRID	RANGPO	400 KV SIDE OF RANGPO(PG) 315 MVA 400/220 ICT-3	NS-3284-A	Completed
POWERGRID	RANGPO	220 KV RANGPO(PG)-NEW MELLI(PG) LINE-2	NS-3335-A	Completed
POWERGRID	RANGPO	220 KV RANGPO(PG)-NEW MELLI(PG) LINE-1	NS-3315-A	Completed
POWERGRID	RANGPO	220 KV SIDE OF RANGPO(PG) 100 MVA 220/132 ICT-2	NS-3342-A	Completed
POWERGRID	RANGPO	220 KV SIDE OF RANGPO(PG) 220/132 100 MVA ICT-1	NS-3339-A	Completed
POWERGRID	RANGPO	220 KV SIDE OF RANGPO(PG) 220/132KV 100 MVA ICT-4	NS-3282-A	Completed
POWERGRID	RANGPO	132 KV RANGPO(PG)-MELLI(SIKKIM)	NS-3299-A	Completed
POWERGRID	RANGPO	132 KV RANGPO(PG)-CHUZACHEN(GATI) LINE-2	NS-3294-A	Completed
POWERGRID	RANGPO	132 KV RANGPO(PG) - CHUZACHEN(GATI) (CHECK)-1	NS-3280-A	Completed
POWERGRID	RANGPO	132 KV RANGPO(PG) - CHUZACHEN(GATI) (CHECK)-2	NS-3281-A	Completed
POWERGRID	RANGPO	132 KV RANGPO(PG)-GANGTOK(PG) LINE-2	NS-3332-A	Completed
POWERGRID	RANGPO	132 KV RANGPO(PG)-RANGIT(NHPC) LINE	NS-3312-A	Completed
POWERGRID	RANGPO	415 V SIDE OF 33/0.415 RANGPO(PG) TERT TRF(PG)	NS-3319-A	Completed
POWERGRID	RANGPO	415 V SIDE OF 11 KV RANGPO(PG) AUX TRF(PG)	NS-3318-A	Completed
POWERGRID	SUBHASHGRAM	400 KV SIDE OF SUBHASGRAM(PG) ICT-6	NS-2973-A	Completed
POWERGRID	SUBHASHGRAM	220 KV SIDE OF SUBHASGRAM(PG) ICT-6	NS-2996-A	Completed
POWERGRID	SUBHASHGRAM	220 KV SUBHASGRAM(PG)-SUBHASGRAM(WBSETCL)-1	NS-2942-A	Completed
POWERGRID	SUBHASHGRAM	220 KV SUBHASGRAM(PG)-KLC BANTALA(WB)	NS-2921-A	Completed
POWERGRID	SUBHASHGRAM	400 KV SUBHASGRAM(PG)-JEERAT(WB)	NS-3013-A	Completed
POWERGRID	SUBHASHGRAM	220 KV SUBHASGRAM(PG)-SUBHASGRAM(WBSETCL)-2	NS-2937-A	Completed
POWERGRID	SUBHASHGRAM	400 KV SUBHASHGRAM(PG)-HALDIA CESC(WB) LINE-2	NS-2992-A	Completed
POWERGRID	SUBHASHGRAM	400 KV SUBHASHGRAM(PG)-HALDIA CESC(WB) LINE-1	NS-2959-A	Completed
POWERGRID	SUBHASHGRAM	400 KV SUBHASHGRAM(PG)-NEW JEERAT(PMJTL)-2	NS-2950-A	Completed
POWERGRID	SUBHASHGRAM	400 KV SUBHASHGRAM(PG)-NEW JEERAT(PMJTL)-1	NS-2920-A	Completed
POWERGRID	SUBHASHGRAM	220 KV SUBHASHGRAM(PG)-BARUIPUR(WB)-2	NS-2940-A	Completed
POWERGRID	SUBHASHGRAM	220 KV SUBHASHGRAM(PG)-BARUIPUR(WB)-1	NS-3077-A	Completed
POWERGRID	SUBHASHGRAM	220 KV SIDE OF 400/220 315 MVA SUBHASGRAM(PG) ICT-2	NS-2939-A	Completed
POWERGRID	SUBHASHGRAM	220 KV SIDE OF 400/220 315 MVA SUBHASGRAM(PG) ICT-1	NS-3020-A	Completed
POWERGRID	SUBHASHGRAM	220 KV SIDE OF 400/220 KV 500 MVA SUBHASHGRAM(PG) ICT-5	NS-2958-A	Completed
POWERGRID	SUBHASHGRAM	400 KV SIDE OF 400/220 KV 500 MVA SUBHASHGRAM(PG) ICT-5	NS-2935-A	Completed
POWERGRID	SUBHASHGRAM	400 KV SIDE OF 400/220 KV 315 MVA SUBHASGRAM(PG) ICT-4	NS-2930-A	Completed
POWERGRID	SUBHASHGRAM	400 KV SIDE OF 400/220 KV 315 MVA SUBHASGRAM(PG) ICT-3	NS-3000-A	Completed
POWERGRID	SUBHASHGRAM	400 KV SIDE OF 400/220 KV 500 MVA SUBHASGRAM(PG) ICT-7(INTERIM)	NS-2919-A	Completed
POWERGRID	SUNDERGARH	400 KV SUNDERGARH(PG)-RAIGARH(WR) LINE-2	NS-3250-A	Completed

POWERGRID	SUNDERGARH	400 KV SUNDERGARH(PG)-RAIGARH(WR) LINE-1	NS-3247-A	Completed
POWERGRID	SUNDERGARH	765 KV SUNDERGARH(PG)-RAIPUR PG(WR)-2	NS-3245-A	Completed
POWERGRID	SUNDERGARH	765 KV SIDE OF SUNDERGARH(PG) 1500 MVA 765/400 ICT-3	NS-3243-A	Completed
POWERGRID	SUNDERGARH	765 KV SIDE OF SUNDERGARH(PG) 1500 MVA 765/400 ICT-4	NS-3239-A	Completed
POWERGRID	SUNDERGARH	765 KV SUNDERGARH(PG)-ANGUL(PG) LINE-4	NS-3233-A	Completed
POWERGRID	SUNDERGARH	765 KV SIDE OF SUNDERGARH(PG) 1500 MVA 765/400 ICT-2	NS-3227-A	Completed
POWERGRID	SUNDERGARH	765 KV SUNDERGARH(PG)-RAIPUR PG(WR)-1	NS-3225-A	Completed
POWERGRID	SUNDERGARH	765 KV SUNDERGARH(PG)-ANGUL(PG) LINE-3	NS-3218-A	Completed
POWERGRID	SUNDERGARH	400 KV SUNDERGARH(PG)-ROURKELA(PG)-LINE-1	NS-3212-A	Completed
POWERGRID	SUNDERGARH	765 KV SIDE OF SUNDERGARH(PG) 1500 MVA 765/400 ICT-1	NS-3209-A	Completed
POWERGRID	SUNDERGARH	400 KV SUNDERGARH(PG)-ROURKELA(PG)LINE-2	NS-3207-A	Completed

Annex B.2.10.

Scenarios for each state where ADMS should have been triggered / actually operated

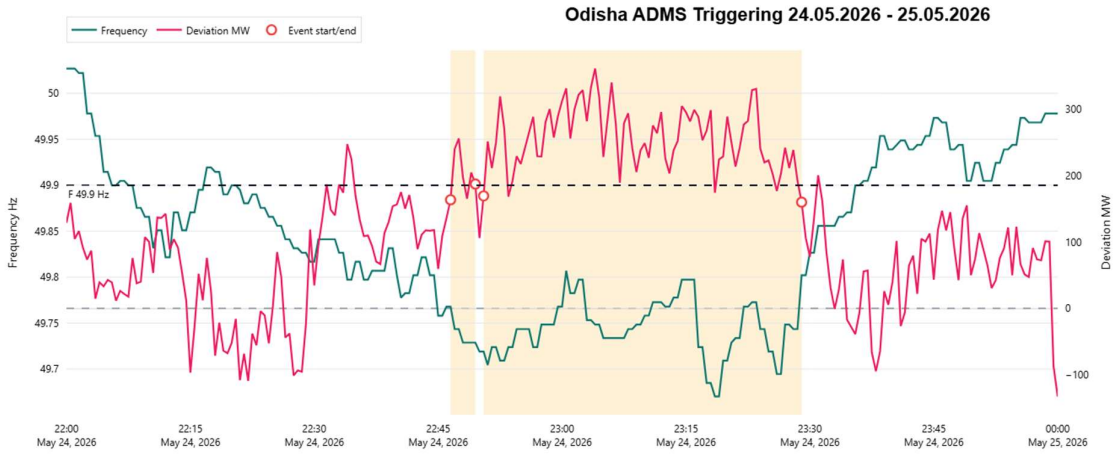
West Bengal (2nd June 2026):

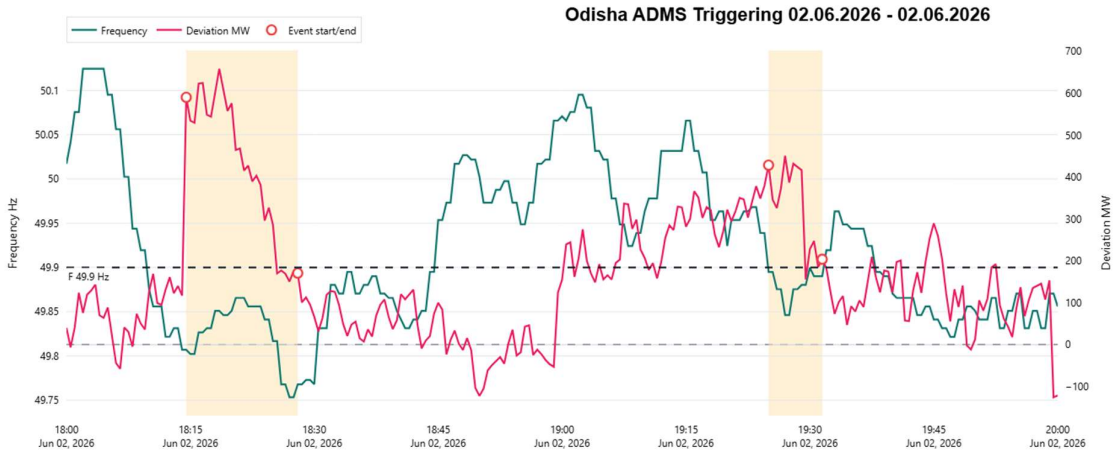


Start	End	Duration Min	Max Positive Deviation MW	Mode	Min Frequency
2026-06-02 22:18:30	2026-06-02 22:29:00	11	282.39	OD	49.46
2026-06-02 22:47:00	2026-06-02 22:55:30	9	469.48	OD	49.631
2026-06-02 23:07:30	2026-06-02 23:55:00	48	628.5	OD	49.48

Odisha (24th May and 2nd June 2026):

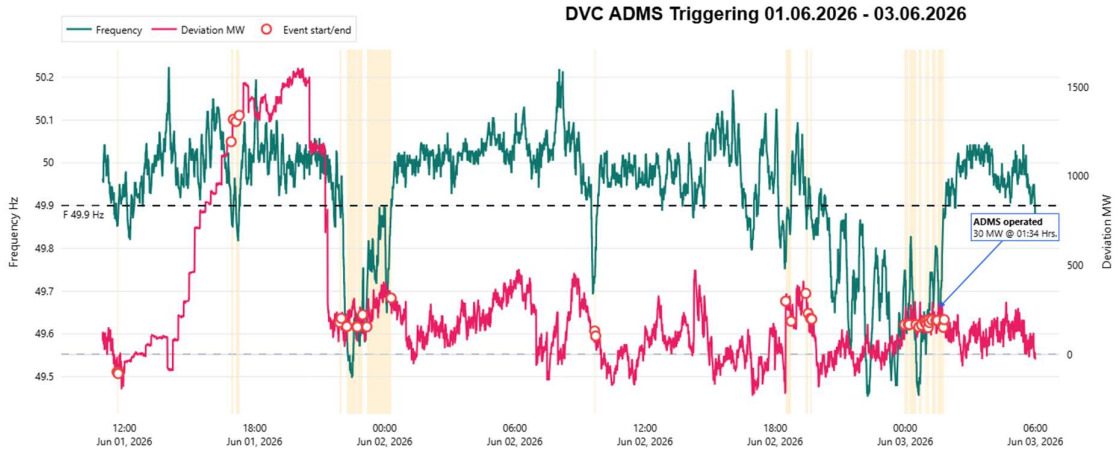
**DISCOM OD > 40 MW is not included in the logic.*





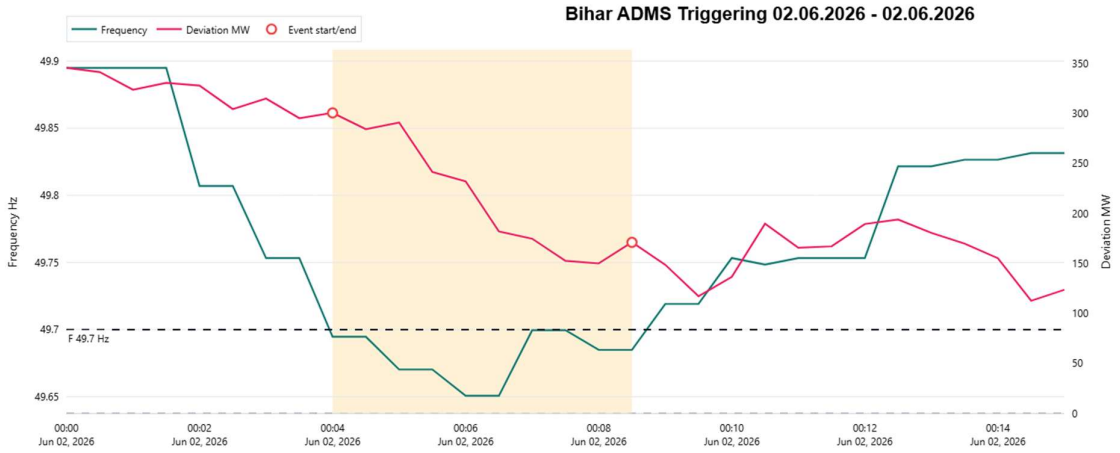
Start	End	Duration Min	Max Positive Deviation MW	Mode	Min Frequency
2026-05-24 22:46:30	2026-05-24 22:49:30	3.5	256.15	OD	49.729
2026-05-24 22:50:30	2026-05-24 23:29:00	39	361.44	OD	49.67
2026-06-02 18:14:30	2026-06-02 18:28:00	14	658.95	OD	49.753
2026-06-02 19:25:00	2026-06-02 19:31:30	7	451.03	OD	49.846

DVC (1st June to 3rd June 2026):



Start	End	Duration Min	Max Positive Deviation MW	Mode	Min Frequency
2026-06-01 11:40:00	2026-06-01 11:43:00	3.5	-84.3	UI	49.851
2026-06-01 16:55:30	2026-06-01 17:01:30	6.5	1319.86	OI	49.851
2026-06-01 17:09:00	2026-06-01 17:18:00	9.5	1348.68	OI	49.817
2026-06-01 21:55:30	2026-06-01 22:00:00	5	209.93	OI	49.871
2026-06-01 22:15:30	2026-06-01 22:42:30	27.5	315.93	OI	49.499
2026-06-01 22:44:30	2026-06-01 22:59:00	15	268.52	OI	49.573
2026-06-01 23:11:00	2026-06-02 00:18:00	67.5	409.27	OI	49.651
2026-06-02 09:41:00	2026-06-02 09:44:00	3.5	137.8	OI	49.734
2026-06-02 18:29:30	2026-06-02 18:44:30	15.5	341.04	OI	49.768
2026-06-02 19:25:00	2026-06-02 19:31:30	7	348.97	OI	49.846
2026-06-02 19:38:00	2026-06-02 19:41:30	4	259.99	OI	49.866
2026-06-02 23:58:30	2026-06-03 00:08:30	10.5	268.63	OI	49.602
2026-06-03 00:11:30	2026-06-03 00:30:00	19	298.54	OI	49.577
2026-06-03 00:37:30	2026-06-03 00:45:30	8.5	296.14	OI	49.455
2026-06-03 00:55:00	2026-06-03 00:57:30	3	220.93	OI	49.553
2026-06-03 00:59:00	2026-06-03 01:03:30	5	214.44	OI	49.612
2026-06-03 01:04:30	2026-06-03 01:07:00	3	204.59	OI	49.636
2026-06-03 01:14:00	2026-06-03 01:25:00	11.5	295.67	OI	49.66
2026-06-03 01:29:30	2026-06-03 01:44:30	15.5	287.28	OI	49.612
2026-06-03 01:45:30	2026-06-03 01:48:00	3	195.31	OI	49.871

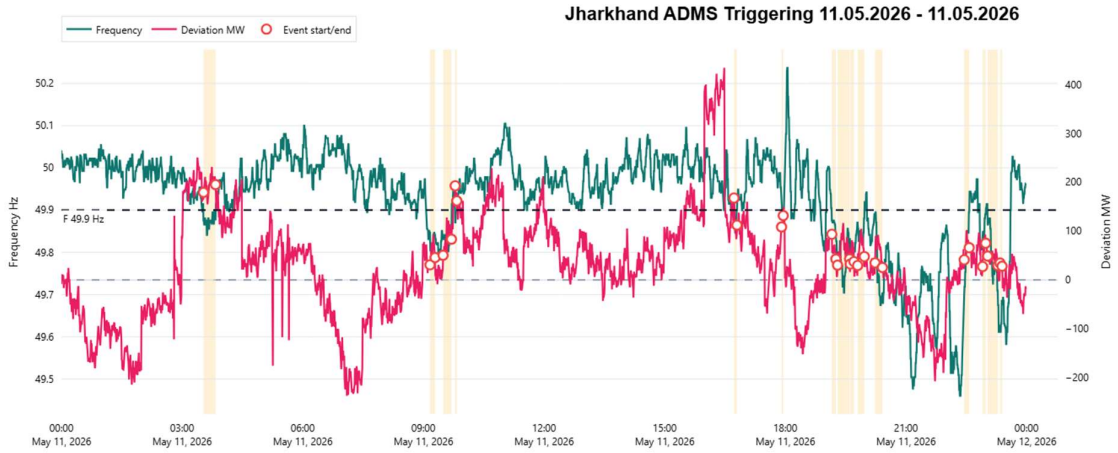
Bihar:



Start	End	Duration Min	Max Positive Deviation MW	Mode	Min Frequency
2026-05-04 15:09:30	2026-05-04 15:14:00	5	-511.85	UD	49.656
2026-05-13 21:02:30	2026-05-13 21:13:30	11.5	-917.52	UD	49.612
2026-05-17 00:03:30	2026-05-17 00:10:00	7	312.37	OD	49.524
2026-06-02 00:04:00	2026-06-02 00:08:30	5	300.83	OD	49.651

- Triggering criteria satisfied for very small time in last 1 month as shown in the table above.

Jharkhand (11th May 2026):



Start	End	Duration Min	Max Positive Deviation MW	Mode	Min Frequency
2026-05-11 03:32:00	2026-05-11 03:50:00	18.5	231.48	OD	49.841
2026-05-11 09:10:00	2026-05-11 09:17:30	8	93.8	OD	49.783
2026-05-11 09:29:30	2026-05-11 09:42:00	13	127.93	OD	49.802
2026-05-11 09:47:30	2026-05-11 09:50:00	3	192.84	OD	49.871
2026-05-11 16:43:30	2026-05-11 16:48:00	5	167.84	OD	49.846
2026-05-11 17:54:30	2026-05-11 17:57:00	3	131.93	OD	49.89
2026-05-11 19:09:30	2026-05-11 19:15:30	6.5	93.65	OD	49.841
2026-05-11 19:18:00	2026-05-11 19:36:00	18.5	116.48	OD	49.704
2026-05-11 19:37:00	2026-05-11 19:42:30	6	81.1	OD	49.783
2026-05-11 19:48:00	2026-05-11 19:58:00	10.5	104.89	OD	49.822
2026-05-11 20:14:00	2026-05-11 20:25:00	11.5	92.25	OD	49.675
2026-05-11 22:27:00	2026-05-11 22:34:30	8	101.81	OD	49.7
2026-05-11 22:54:30	2026-05-11 22:59:00	5	92.84	OD	49.827
2026-05-11 23:02:00	2026-05-11 23:17:00	15.5	64.29	OD	49.709
2026-05-11 23:20:30	2026-05-11 23:23:30	3.5	37.22	OD	49.612

Annex B.2.11

Outlook

Regarding Low Grid Voltage

From Operation kbunl <opn.kbunl@gmail.com>
Date Mon 2026-05-11 19:15
To SLDC. <sldc.dept@bsptcl.bihar.gov.in>; ERLDC Control Room <erldccr@grid-india.in>
Cc Yogesh <YOGESHSINGLA@NTPC.CO.IN>; MANOJ KUMAR <MANOJKUMAR17@NTPC.CO.IN>; Anil Kumar Singh <ANILSINGH02@NTPC.CO.IN>

Dear Sir,

Grid voltage is running continuously on the lower side (218 KV).Both units MVAR at our end are running higher side. Please take necessary action

Regards

--
Shift Charge Engineer
Muzaffarpur Thermal Power Station (MTPS)
NTPC Kanti
(Previously Known as KBUNL, Kanti)
Mob no:- +917766917405 ,+917766917400
Landline (06223) -267308/330/340

Outlook

Re: Low Grid Voltage in MTPS II

From Operation kbunl <opn.kbunl@gmail.com>
Date Sun 2026-05-24 22:23
To SLDC. <sldc.dept@bsptcl.bihar.gov.in>; ERLDC Control Room <erldccr@grid-india.in>; SLDC PATNA FOR SENDING DC <biharsldc.scheduling@gmail.com>
Cc Yogesh <YOGESHSINGLA@NTPC.CO.IN>; MANOJ KUMAR <MANOJKUMAR17@NTPC.CO.IN>; Anil Kumar Singh <ANILSINGH02@NTPC.CO.IN>; Arun Kumar <ARUNKUMAR09@NTPC.CO.IN>; Debesh Kumar <DKPADHI@NTPC.CO.IN>

URGENT: Grid voltage is running continuously on the lower side below 218 KV .Both units MVAR at our end are running higher side(in
Please take necessary action

On Sun, May 24, 2026 at 7:23 PM Operation kbunl <opn.kbunl@gmail.com> wrote:

> Dear Sir,
>
> Grid voltage is running continuously on the lower side below 218 KV .Both units MVAR at our end are running higher side(in the critical zone).
> Please take necessary action
>
> --
> **Shift Charge Engineer**
> Muzaffarpur Thermal Power Station (MTPS)
> NTPC Kanti
> (Previously Known as KBUNL, Kanti)
> Mob no:- +917766917405 ,+917766917400
> Landline (06223) -267308/330/340

--
Shift Charge Engineer
Muzaffarpur Thermal Power Station (MTPS)
NTPC Kanti
(Previously Known as KBUNL, Kanti)
Mob no:- +917766917405 ,+917766917400
Landline (06223) -267308/330/340

Outlook

Re: Regarding MTPS - II Unit-3&4 MVAR higher and Generator Voltage ,220kV voltage maintaining lower side

From Operation kbunl <opn.kbunl@gmail.com>
Date Mon 2026-06-01 23:19
To SLDC. <sldc.dept@bsptcl.bihar.gov.in>; ERLDC Control Room <erldccr@grid-india.in>; SLDC PATNA FOR SENDING DC <biharsldc.scheduling@gmail.com>
Cc Yogesh <YOGESHSINGLA@NTPC.CO.IN>; MANOJ KUMAR <MANOJKUMAR17@NTPC.CO.IN>; Anil Kumar Singh <ANILSINGH02@NTPC.CO.IN>; Arun Kumar <ARUNKUMAR09@NTPC.CO.IN>; Debesh Kumar <DKPADHI@NTPC.CO.IN>

Dear sir,
Urgent: With reference to trailing email again Both Unit-3/4 MVAR shot up to 105/90 MVAR, MTPS-II KANTI 220kV voltage is running continuously on the lower side below 216 KV .Both Unit-3/4 MVAR at our end are running higher side 105/90 MVAR(in the critical zone).
Please take necessary action urgently.

On Mon, Jun 1, 2026 at 9:22 PM Operation kbunl <opn.kbunl@gmail.com> wrote:

> Dear sir,
> Urgent: MTPS-II KANTI 220kV voltage is running continuously on the lower side below 217 KV .Both Unit-3/4 MVAR at our end are running higher side 80/100 MVAR(in the critical zone).
> Please take necessary action.
>
> --
> **Shift Charge Engineer**
> Muzaffarpur Thermal Power Station (MTPS)
> NTPC Kanti
> (Previously Known as KBUNL, Kanti)
> Mob no:- +917766917405 ,+917766917400
> Landline (06223) -267308/330/340

--
Shift Charge Engineer

Muzaffarpur Thermal Power Station (MTPS)
NTPC Kanti
(Previously Known as KBUNL, Kanti)
Mob no:- +917766917405 ,+917766917400
Landline (06223) -267308/330/340

Outlook

Regarding low grid voltage and high MVAR

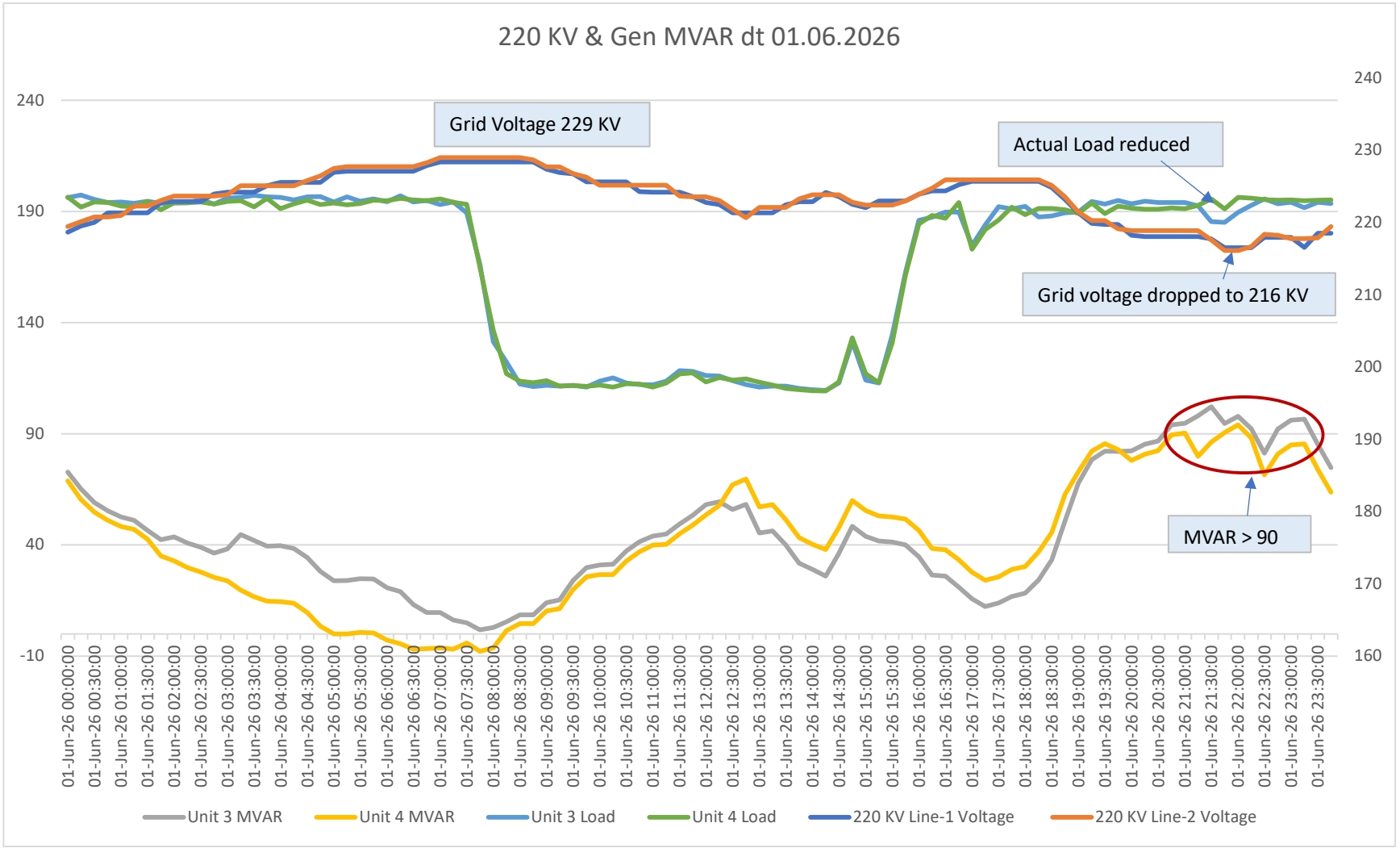
From Operation kbunl <opn.kbunl@gmail.com>
Date Thu 2026-06-04 19:38
To ERLDC Control Room <erldccr@grid-india.in>; SLDC Patna <sldc.bseb@gmail.com>; SLDC. <sldc.dept@bsptcl.bihar.gov.in>
Cc MANOJ KUMAR <MANOJKUMAR17@NTPC.CO.IN>; Debesh Kumar <DKPADHI@NTPC.CO.IN>; Yogesh <YOGESHSINGLA@NTPC.CO.IN>; Anil Kumar Singh <ANILSINGH02@NTPC.CO.IN>

Dear Sir,
MTPS II both units -3 &4 grid voltages are running low 218kv and MVAR levels are running high (approximately 85 MVAR) at MTPS end.
Kindly take the necessary action at the earliest to bring the operating parameters within the permissible range.

Regards

--
Shift Charge Engineer
Muzaffarpur Thermal Power Station (MTPS)
NTPC Kanti
(Previously Known as KBUNL, Kanti)
Mob no:- +917766917405 ,+917766917400
Landline (06223) -267308/330/340

Annexure-II


220 KV & Gen MVAR dt 01.06.2026
Grid Voltage 229 KV
Actual Load reduced
Grid voltage dropped to 216 KV
MVAR > 90
240
190
140
90
40
-10
240
230
220
210
200
190
180
170
160
01-Jun-26 00:00:00
01-Jun-26 00:30:00
01-Jun-26 01:00:00
01-Jun-26 01:30:00
01-Jun-26 02:00:00
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01-Jun-26 03:00:00
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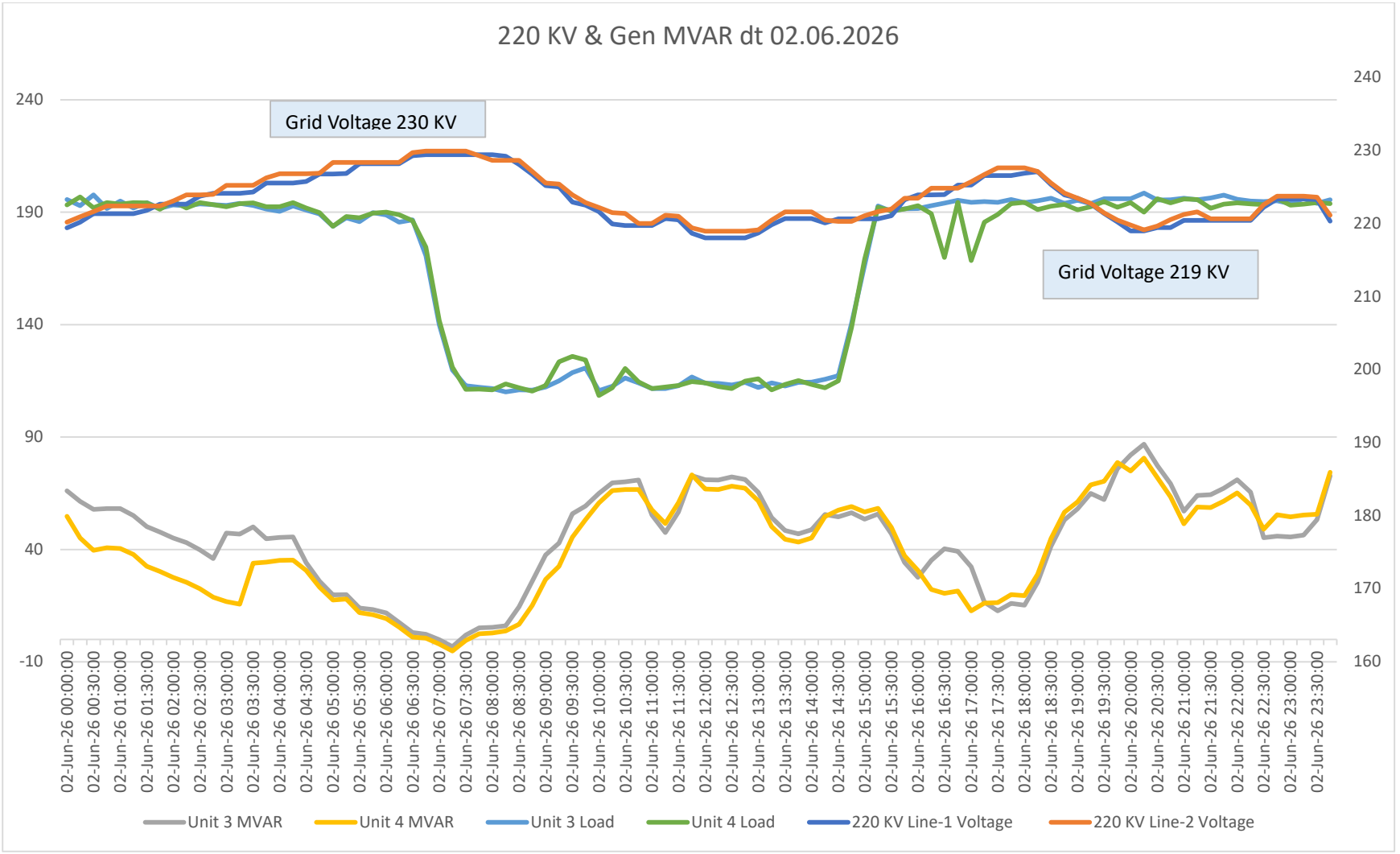
01-Jun-26 21:30:00
01-Jun-26 22:00:00
01-Jun-26 22:30:00
01-Jun-26 23:00:00
01-Jun-26 23:30:00
Unit 3 MVAR
Unit 4 MVAR
Unit 3 Load
Unit 4 Load
220 KV Line-1 Voltage
220 KV Line-2 Voltage


220 KV & Gen MVAR dt 02.06.2026
Grid Voltage 230 KV
Grid Voltage 219 KV
240
190
140
90
40
-10
240
230
220
210
200
190
180
170
160
02-Jun-26 00:00:00
02-Jun-26 00:30:00
02-Jun-26 01:00:00
02-Jun-26 01:30:00
02-Jun-26 02:00:00
02-Jun-26 02:30:00
02-Jun-26 03:00:00
02-Jun-26 03:30:00
02-Jun-26 04:00:00
02-Jun-26 04:30:00
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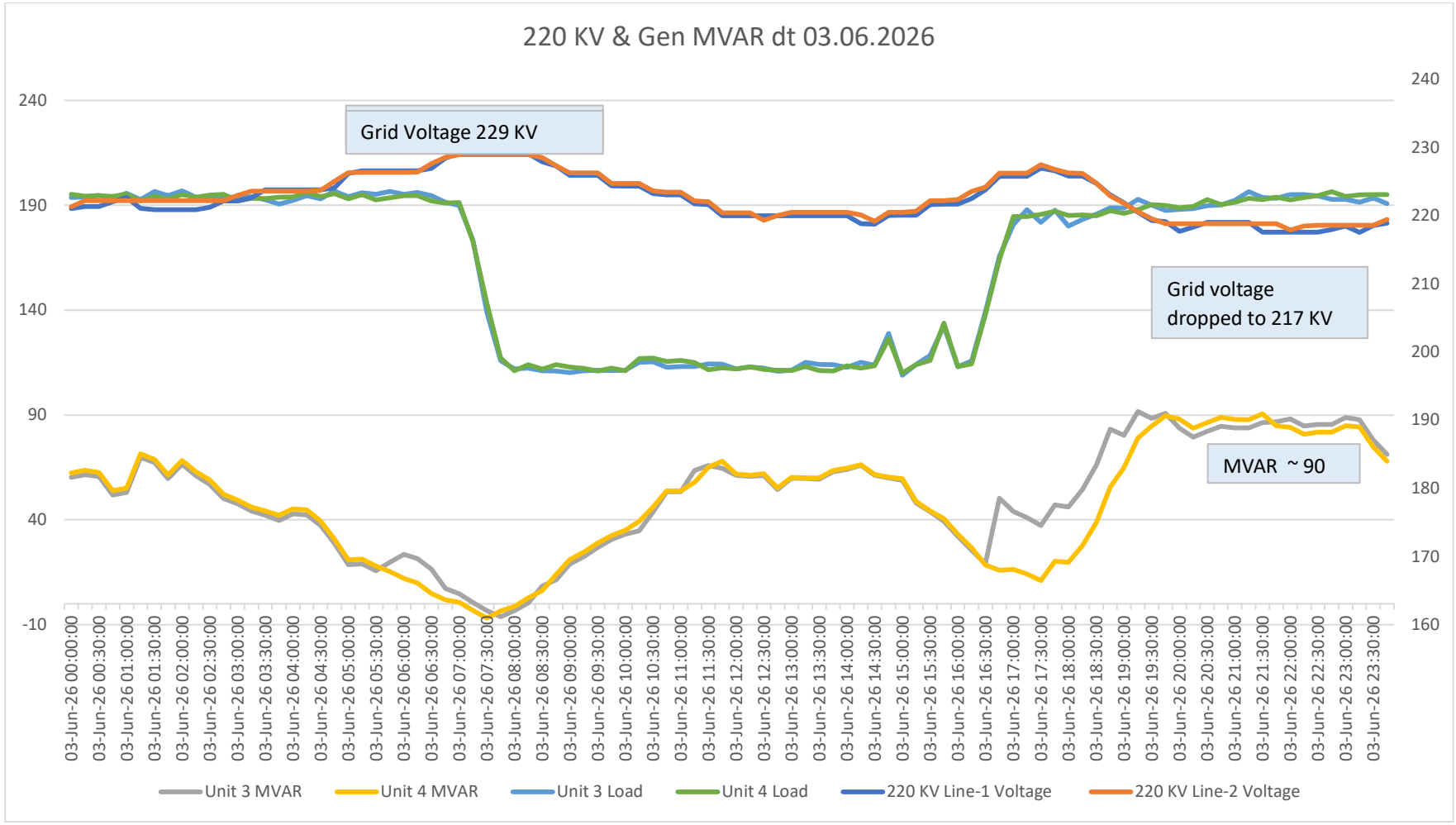
02-Jun-26 15:00:00
02-Jun-26 15:30:00
02-Jun-26 16:00:00
02-Jun-26 16:30:00
02-Jun-26 17:00:00
02-Jun-26 17:30:00
02-Jun-26 18:00:00
02-Jun-26 18:30:00
02-Jun-26 19:00:00
02-Jun-26 19:30:00
02-Jun-26 20:00:00
02-Jun-26 20:30:00
02-Jun-26 21:00:00
02-Jun-26 21:30:00
02-Jun-26 22:00:00
02-Jun-26 22:30:00
02-Jun-26 23:00:00
02-Jun-26 23:30:00
Unit 3 MVAR
Unit 4 MVAR
Unit 3 Load
Unit 4 Load
220 KV Line-1 Voltage
220 KV Line-2 Voltage


220 KV & Gen MVAR dt 03.06.2026
Grid Voltage 229 KV
Grid voltage dropped to 217 KV
MVAR ~ 90
240
190
140
90
40
-10
240
230
220
210
200
190
180
170
160
03-Jun-26 00:00:00
03-Jun-26 00:30:00
03-Jun-26 01:00:00
03-Jun-26 01:30:00
03-Jun-26 02:00:00
03-Jun-26 02:30:00
03-Jun-26 03:00:00
03-Jun-26 03:30:00
03-Jun-26 04:00:00
03-Jun-26 04:30:00
03-Jun-26 05:00:00
03-Jun-26 05:30:00
03-Jun-26 06:00:00
03-Jun-26 06:30:00
03-Jun-26 07:00:00
03-Jun-26 07:30:00
03-Jun-26 08:00:00
03-Jun-26 08:30:00
03-Jun-26 09:00:00
03-Jun-26 09:30:00
03-Jun-26 10:00:00
03-Jun-26 10:30:00
03-Jun-26 11:00:00
03-Jun-26 11:30:00
03-Jun-26 12:00:00
03-Jun-26 12:30:00
03-Jun-26 13:00:00
03-Jun-26 13:30:00
03-Jun-26 14:00:00
03-Jun-26 14:30:00
03-Jun-26 15:00:00
03-Jun-26 15:30:00
03-Jun-26 16:00:00
03-Jun-26 16:30:00
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03-Jun-26 21:30:00
03-Jun-26 22:00:00
03-Jun-26 22:30:00
03-Jun-26 23:00:00
03-Jun-26 23:30:00
Unit 3 MVAR
Unit 4 MVAR
Unit 3 Load
Unit 4 Load
220 KV Line-1 Voltage
220 KV Line-2 Voltage

Annexure.B.2.15