Eastern Regional Power Committee

AGENDA

FOR

238th OCC MEETING

Venue: ERPC Secretariat, Kolkata

Date: 17.04.2026

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EASTERN REGIONAL POWER COMMITTEE

AGENDA FOR 238TH OCC MEETING TO BE HELD ON 17.04.2026 (FRIDAY) AT 10:30 HRS

1. PART-A: CONFIRMATION OF MINUTES

1.1. Confirmation of Minutes of 237th OCC Meeting held physically at ERPC Secretariat on 17th March 2026

The Minutes of 237th Operation Coordination Sub-Committee meeting held on 17.03.2026 was circulated vide letter dated 25.03.2026.

Members may confirm the minutes of 237th OCC meeting.

2. PART-B: ITEMS FOR DISCUSSION

2.1 Update on follow up agenda: ERPC

a) Bus split operationalization at NTPC Kahalgaon

As decided in **219th OCC** Meeting, a committee comprising of members from ERPC and ERLDC visited NTPC Kahalgaon on 17-10-2024 to assess the status of Bus splitting at 400kV level and way forward for operationalization of 400 KV Bus sectionalizer.

Following works need to be done to complete the installation of ICT 3 & 4:

1. Determination of underground cable conduit path for 400/132 kV ICT-3, 4 and 5 allocated for stage 2 supply.
2. Excavating the existing cable and relaying from Stage-1 132kV to New Stage-2 132kV switchyard, where ICT 3 & 4 will be connected.
3. Laying of additional 22.8 ckt. km control cable for STs.
4. Jumpering of ICTs in 132kV & 400kV level.
5. Bay equipment testing.

As per 55th TCC:

NTPC informed the forum that, as per the current progress of works, idle charging of ICT–3 and ICT–4 is expected to be completed by **December 2025**, and bus splitting at NTPC Kahalgaon is tentatively scheduled for completion by **April 2026**.

55th TCC Decision

TCC took serious note of the inordinate delay in implementation of the bus splitting operational scheme at NTPC Kahalgaon, which is critical for reduction of fault level at Kahalgaon.

TCC advised NTPC to:

- Share weekly progress reports with ERPC and ERLDC.
- Expedite the bus splitting works to ensure completion strictly as per the submitted timeline.

Deliberation in 237th OCC:

NTPC updated:

- ✓ Both ICTs were successfully charged on 11 March 2026.
- ✓ Charging of the new 132 kV switchyard is planned within the current month, and shifting of station transformers to the new switchyard is targeted by April 2026.

CTU Connectivity and Associated Works of Godda TPS(Adani):

- ✓ It was informed by Adani Power only 7.26 km of LILO line connectivity work is yet to be completed.
- ✓ ERLDC informed that connectivity will be granted within a week after completion of Kahalagaon bus splitting.

237th OCC decision:

- OCC advised NTPC to complete the bus splitting at Kahalgaon by 25th April 2026. Further, OCC opined that the request for ISTS connectivity of Godda TPS of Adani will be taken up after completion of Kahalgaon bus splitting and completion of LILO work by Adani.

NTPC may update. Members may discuss.

b) Reconductoring of the lines of Chukha Transmission system under ERES-44 scheme

- ➢ Powergrid has been entrusted with the reconductoring work of various lines of Chukha Transmission system under ERES-44 scheme.
- ➢ The lines of Chukha Transmission System are more than 37 years old and are prone to outages. Further, reconductoring of some of the lines is critical for ensuring reliability of the supply in West Bengal system. Among the lines, reconductoring of 220 kV Malda-Gazole section(18 kM) is essential for operational flexibility of WB system and early completion of the reconductoring work on this section is critical for ensuring reliability of supply in Gazole and adjoining areas. It is worth mentioning that at present bus splitting is in operation at 220 kV Gazole S/s compromising the reliability of the supply.
- ➢ The inordinate delay in carrying out the reconductoring work of Chukha Transmission system would pose challenge to smooth & secure grid operation and reliable power supply to adjoining areas of West Bengal.

55th TCC Decision

- TCC critically noted the inordinate delay caused in carrying out the HTLS reconductoring of 220KV Malda–Gazole D/C which is very much essential to aid in operational flexibility WB.
- TCC also advised Powergrid to explore all the possibilities for diverting HTLS conductors from other projects on loan basis so that Reconductoring can be completed at the earliest and after LOA has been awarded the HTLS conductor may be returned to the concerned utility.
- TCC also opined that PowerGrid may take the help of WB for procurement of the required HTLS reconductor through a separate tender.

Deliberation in 55th ERPC meeting

Powegrid stated that LoA will be placed by Jan'26.

ERPC advised Powergrid to complete the reconductoring work before onset of coming summer.

As per 237th OCC Meeting

It was informed that the tender evaluation is still in progress and no firm date for placement of order was conveyed.

WB SLDC submitted the following:

- ✓ The tendering process has not been finalized even after significant delay (over two years).
- ✓ The delay is already causing operational difficulties, particularly in the 220 kV system, and may lead to increased congestion, higher outage risk, and supply challenges during the upcoming summer and election period.
- ✓ It was further noted that the network remains congested for a significant part of the year (~8 months), likely to worsen during peak summer, with project delays being a major contributing factor.

237th OCC Decision

OCC opined that the matter will be escalated by ERPC secretariat with Member (PS), CEA.

Latest status

A letter in this regard has been communicated to **Director(Projects), Powergrid** with information to **Member (PS), CEA** on 27.03.2026. Similar communication had been made to **Director(Projects), Powergrid** in last January 2026 as well.

Powergrid may update. Members may discuss.

c) Intrastate Transmission Network Assessment & Mitigation – West Bengal

Modification of Existing SPS Scheme at Subhasgram (PG) with Undervoltage Logic

ERLDC Proposed modification of existing SPS at Subhasgram (PG) to include undervoltage logic with time delay to prevent voltage collapse. OCC advised SLDC, West Bengal, WBSEDCL and CESC to meet after puja to discuss the proposed modified SPS scheme at Subhasgram and share the outcome in next OCC.

237th OCC Meeting:

CESC informed:

- ✦ Wiring and installation works have been completed
- ✦ Final testing is currently in progress
- ✦ The scheme is expected to be commissioned within a week.
- ✦ Proper testing and validation, including circuit checks, shall be completed before commissioning
- ✦ SPS compliance certification shall be ensured prior to operation.

237th OCC decision:

It was advised that UVLS is to be implemented within a week with coordination of concerned stakeholders.

Update:

Logic was implemented by CESC at their end on 28.03.2026 and joint testing was also done on same day.

d) Intrastate Transmission Network Assessment & Mitigation – DVC:

☐ **Restoration of Koderma ICT & SPS at Bokaro**

At Koderma TPS, ICT#1 has faced DGA violation and out of service for internal inspection. shifting of one 315 MVA ICT from Durgapur to Koderma TPS is proposed as an interim measure for improving voltage at 132 kV level, especially in the upcoming Summer months.

As per 237th OCC:

DVC informed that:

- ✓ Koderma ICT-2 was charged on 07.03.2026.
- ✓ The SPS at Bokaro will be implemented by the end of March' 26.
- ✓ NIT has been notified for shifting of ICT from DSTPS and the order will be placed within two months.

237th OCC decision:

- OCC opined that the SPS at Bokaro and shifting of ICT from DSTPS to Koderma to be expedited at the earliest.

Update:
SPS at Bokaro was implemented on **19.03.2026.**

DVC may update. Members may discuss.

e) 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.

As per 237th OCC:
OPTCL informed that:

- ✓ The scheme is proposed to be implemented through the existing ADMS (Automatic Demand Management System) infrastructure at Odisha SLDC
- ✓ The ADMS infrastructure is already in place, and additional UVLS logic will be integrated
- ✓ Necessary logic development and configuration are under progress

Further, SLDC Odisha informed that the required logic can be configured and deployed by end of April 2026.

237th OCC Decision
OCC opined that the UVLS scheme is critical for handling peak summer demand and maintaining grid stability and it is to be expedited at the earliest with coordination of concerned stakeholders.

Update:
One meeting was conducted to discuss the implementation plan of the UVLS scheme, where ERLDC, OPTCL, and SLDC Odisha were present. It was discussed & finalized that the UVLS scheme would be implemented in two stages belong to the Mendhasal / Pandiabilli fed area, utilizing the existing ADMS infrastructure, while ensuring the required load relief under under-voltage conditions.
Status of progress is yet to be received from SLDC Odisha/SLDC.

SLDC Odisha and OPTCL may update. Members may discuss.

f) Restoration of 2nd ICT at Tenughat and upgrading 400 KV PVUNL- Tenughat line end termination at Tenughat:

Reference:

- ✓ Jharkhand is meeting a maximum demand of about 2,100 MW during Winter (December 2025 and January 2026). However, on several days, shortages in the range of 200-300 MW have been reported in Jharkhand despite commissioning of the Patratu 800 MW unit.
- ✓ These shortages are primarily attributed to frequent tripping of Tenughat units and thereby load restrictions in the Dumka/Gobindpur area due to inadequate transmission capacity. The constraints are mainly due to the availability of only a single ICT at Tenughat and loading restrictions on the 400 kV PVUNL–Tenughat line (earlier charged as 220KV Tenughat-Patratu) arising from non-availability of terminal equipment at Tenughat for power evacuation at 400 kV level. Additionally with Integration of 2nd Unit of PVUNL this loading will increase further and will aggravate the situation.

The following issues need to be addressed before Summer-2026:

- **g)** Restoration of the second 400/220 kV, 315 MVA ICT at Tenughat.
- **h)** Upgradation of the 400 kV PVUNL–Tenughat line-end terminations at the Tenughat end.

As per 237th OCC:

TVNL informed that the order has been placed by JUSNL for deployment of synchronized trolley for synchronize of the HV side and charging of HV side is scheduled to be completed by end of March' 26.

237th OCC Decision

OCC advised TVNL and JUSNL to restore the 2nd ICT at the earliest.

JUSNL may update. Members may discuss.

i) Discrepancy i.r.o Reactive Energy billing at Subhasgram (PG)

During the month of December 2025, the Reactive Energy billing data indicates a reversal in the direction of MVAR flow between two groups of ICTs at Subhasgram (PG) Sub-station. One group comprising ICT-I and ICT-II shows positive MVAR flow, while the other group comprising ICT-III, ICT-IV, ICT-V, and ICT-VII shows negative MVAR flow. Since all ICTs are operated in parallel, such divergence in the direction of reactive power flow appears anomalous and technically inconsistent.

In **235th OCC** Meeting, WB SLDC briefed the observed discrepancy in energy billing data w.r.t Subhasgram (PG)and submitted:

- ✓ In two ICTs, MVAR charges are negative while in other four ICTs, the charges are positive.
- ✓ All transformers are operating in parallel, so this trend is unusual. This behaviour was not seen last year. Comparative data for the last few weeks shows a consistent anomaly.
- ✓ This discrepancy should be rectified to ensure accurate meter data and should be implemented in billing with retrospective effect.
- ✓ ERLDC apprised that the discrepancy is predominant in those ICTs where meters replaced from Genus make to Secure make.

237th OCC Decision
OCC advised POWERGRID to :

- Coordinate with Secure to obtain the final solution by 25th March 2026
- Ensure complete rectification (meter correction/replacement) within the committed timeline (~1 month)
- Further, it was agreed that:

✓ The issue shall be resolved in the affected meters, ensuring uniform sign convention across all meters

✓ After implementation of desired sign convention, reactive energy billing shall be corrected retrospectively, based on validated and standardized data.

Powergrid may update. Members may discuss.

j) Update on islanding schemes in ER.

1.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.

- In **55th CCM** meeting,
- The issue of Patna Islanding Scheme has been deliberated earlier in various forums. Though it was earlier decided by BSPTCL to implement Patna Islanding Scheme through Internal Resources but on subsequent development on the issue they have now approached the forum for approval for PSDF funding for the same.
- Committee referred the above agenda to upcoming 55th TCC & ERPC meetings for their consideration and further decision on the issue.

55th TCC deliberation:

ERPC Secretariat informed that BSPTCL has requested for appraisal report of the islanding scheme in A5 format of PSDF and the same has already been sent to them for onward submission to PSDF.

As per 237th OCC:

SLDC Bihar informed that a proposal regarding 70% funding of the islanding scheme from PSDF has been approved by the board and the revised proposal will be forwarded to the PSDF committee.

SLDC Bihar may update. Members may discuss.

2. IB Valley TPS Islanding Scheme

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).

In 233rd OCC Meeting,

OPTCL updated that DPR i.r.o IB Valley TPS Islanding Scheme is not yet prepared and the proposed scheme is under review of Director, OPTCL.

- OCC took a serious note on slow progress in implementation of IB Valley TPS Islanding Scheme since this scheme has been pursued by ERPC since last five months.
- OCC advised OPTCL to highlight the importance of IB Valley TPS Islanding Scheme at the appropriate level and revert back within fortnight of December and the matter is referred to TCC for detailed deliberations.

Deliberation in 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 237th OCC:

OPTCL informed that the islanding proposal has been discussed with OPGC and OPGC is in the process of finalizing the work order and work order will be issued within a week.

OPGC/SLDC Odisha may update. Members may discuss.

k) Status of upcoming thermal generation capacity addition in Eastern Region:

Sr. No.	Plant Name/Agency	Unit No	Capacity (MW)	Anticipated Trial Run Date as per CEA	Present Status
2	Patratu STPP (PVUNL)	2	800	Dec 2024	First synchronization expected in 2nd week of March 2026. Target COD: 30.04.2026
3	Buxer TPP (SJVN)	2	660	July 2024	First synchronization expected in 2nd week of April 2026. Target COD: 31.05.2026

Concerned GENCOs may update. Members may discuss.

l) 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 6916MW 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."

Deliberations in 237th OCC meeting

- AUFLS implementation (as per 14th NPC) was reviewed. SLDC Ranchi reported Stage-I & II completed, Stage-III largely completed, and Stage-IV in progress. Further, SLDC Bihar highlighted ongoing feeder mapping, will be completed by April 2026.
- MS ERPC emphasised on accurate feeder mapping, proper AUFLS configuration, and regular status updates to ERPC.

237th OCC decision

Bihar, Jharkhand and Sikkim shall prioritize feeder mapping and expedite pending AUFLS stages. Complete implementation (including mapping) by **April 2026**, with regular progress reporting to ERPC.

All SLDCs may update. Members may discuss.

2.2 Issues for follow-up: ERLDC

SPS for ACCP-II/JSPL

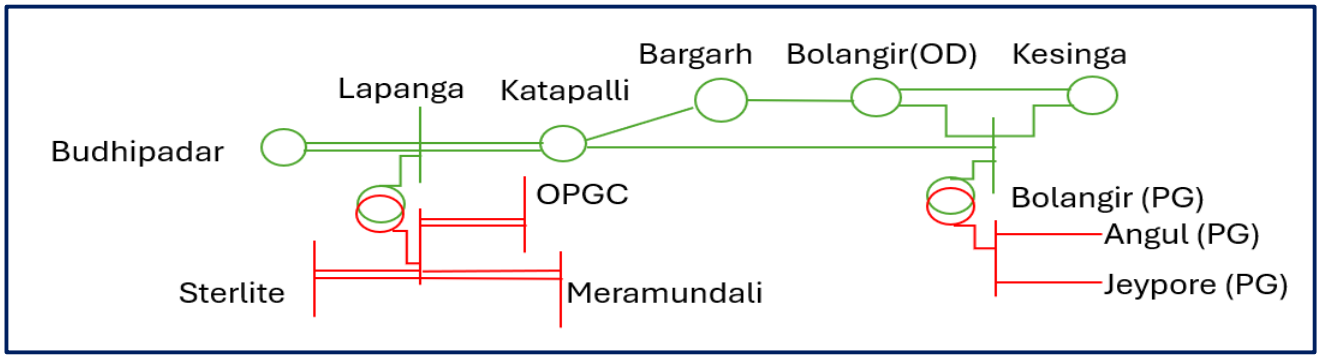
Following the 233rd OCC meeting, a special meeting was held on November 26, 2025, to discuss the implementation of System Protection Schemes (SPS) for the new ACPP-II plant, during which OPTCL was advised to assess existing protection adequacy at the JSPL site.

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.

ERLDC may explain. OPTCL may update Member may discuss.

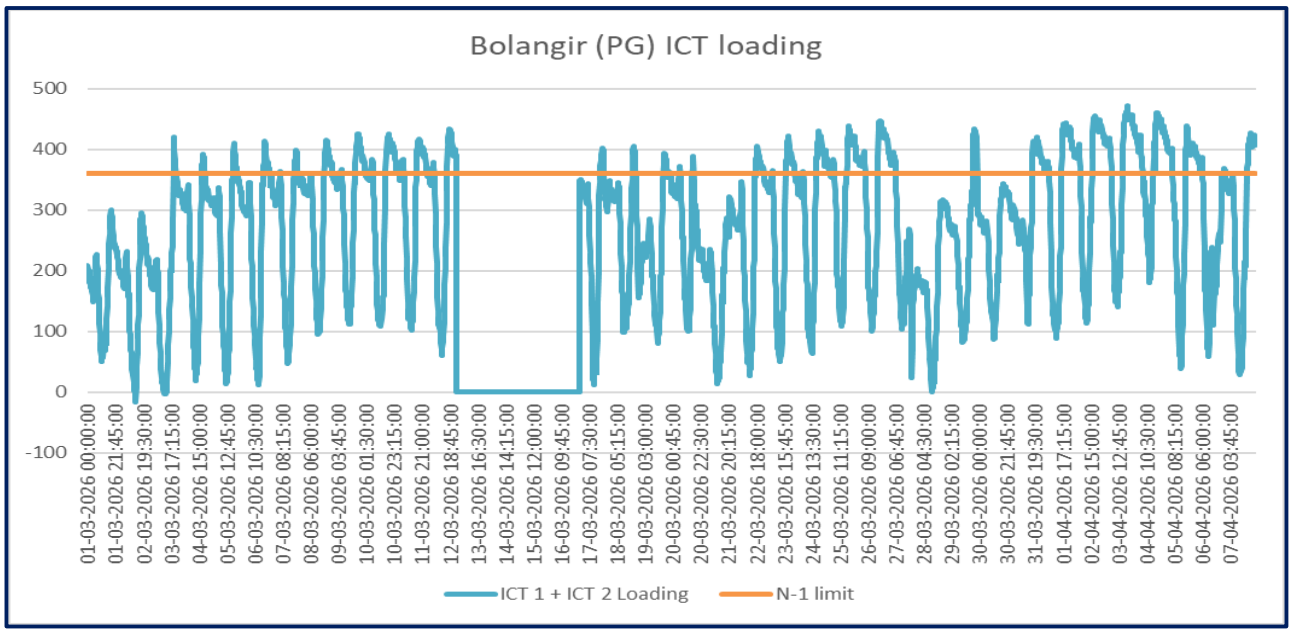
2.3 High loading and N-1 violation of 400/220kV ICTs at Bolangir (POWERGRID): ERLDC

Bolangir S/S is one of the major 400/200kV S/S in western Odisha catering load to Bolangir, Kesinga, Bargarh & Katapalli areas. In recent part, demand in this part of Odisha has increased significantly, which ultimately impacts the loading of ICTs of Bolangir. Supporting source of these areas is 220kV-Lapanga-Katapalli -D/C, which also operating at high loading mainly during summer period. ICT loading further increases with opening of 220 kV Katapalli-Bolangir(PG) and 220kV Katapalli-Bargarh lines to limit the loading of 220 kV Budhipadar-Lapanga D/c and 220 kV Lapanga-Katapalli D/c which are not N-1 compliant.



The matter was raised in 38th CMETS-ER meeting held on 27th December 2024 where in N-1 violation of ICT loading at Bolangir was deliberated. It was suggested that, in view of increasing trend of load in ICTs and future load growth, additional ICT may be installed at Bolangir as considerable time is required for approval, procurement and installation of ICT. In the meeting OPTCL stated that the present loading of Bolangir ICT is due to split operation of Lapanga – Katapalli – Bargarh – Bolangir 220kV corridor at Katapalli. They are in process of reconductoring of Lapanga – Katapalli 220kV section, after which the entire section would be operated in connected mode, thereby relieving the loading of Bolangir ICTs. It was decided to review the requirement of ICT augmentation in future as per system requirement / operational feedback.

The loading of ICTs at Bolangir are on higher side as observed in 2026 and violating N-1 loading limit of 360MW due to opening 220kV links from Katapalli as evident from the loading pattern presented below.



ERLDC may explain.OPTCL may intimate status of reconductoring of 220kV Lapanga-Katapalli D/C which would help in reducing ICT loadings at Bolangir. Additionally, SLDC Odisha may intimate network arrangements till the reconductoring work is started and completed.
Members may discuss.

2.4 Sustained high frequency operation on 20th, 21st & 22nd March 2026:ERLDC

- Sustained high-frequency operation experienced on 20th, 21st and 22nd March 2026, particularly during solar hours, mainly due to inclement weather in major load centres coupled with high solar power generation in the Norther, & Western parts of India.
- The maximum frequency touched 50.50 Hz on 21st March 26 at 13:01hrs. Frequency remaining above 50.05 Hz for around 30%, 25%, and 21% of the time on those days respectively. NLDC dispatched significant TRAS-down reserves under the Emergency Category, reaching 20–23 GW on all three days, with the majority of curtailment sourced from Renewable Energy (RE), but still the frequency had remained above the band.
- The key highlights with regard to high frequency of the grid are as under:

Date	Within Band (%)	Above Band (%)	Max Frequency (Hz)	Time
20 Mar	63.47	**30.44**	**50.37**	13:19
21 Mar	70.47	**24.41**	**50.50**	13:01
22 Mar	74.81	**21.06**	**50.30**	18:01

- Major Contributing factors for high-frequency operation in the Indian power system on 20th, 21st and 22nd March 2026 are listed below:

a) Suppressed demand due to widespread rains and weekend.
b) Over-injection by VRE sources.
c) Limited flexibility from hydropower stations and pumped storage plants.

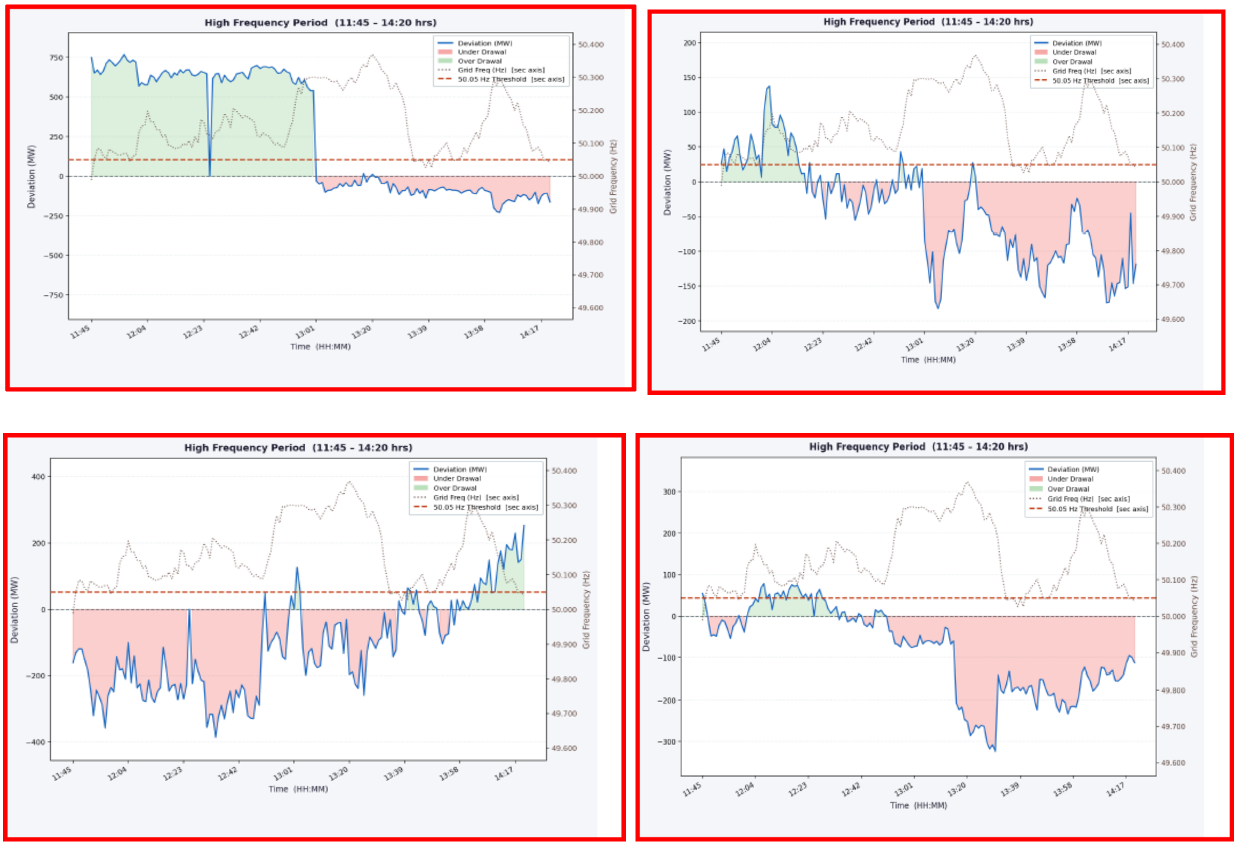
d) Inability of intra state generators to backdown up to 55% of MCR.
e) Lack of DOWN reserves at the inter-state level.

In ER, we have analysed the data for 20.03.2026 (as on that day frequency remained max duration over the band) as a sample study in respect of drawl by Sates, Injection ISGS thermal power plants, IPPs and States Thermal. The overall issue of high frequency during the stated days can be broadly summarised due to (a) Under drawl by States during the high frequency duration (b) Inability of intra state generators to backdown up to 55% of MCR. (c) Over-injection by ISGS/IPPs.

A) State Deviation Analysis:

In ER, under drawl was observed in WB, Bihar, Jharkhand and DVC during the high frequency period (11:45 hrs to 14:20 hrs on 20.03.2026). Although, requisition of States from ISGS generators are at or below their MTDL levels, under-drawal conditions persisted, contributing to frequency rise.

Underdrawl of ER States on 20.03.2026 based on 1 min SCADA Data:



A) Inability of intra-state generators to backdown up to 55% of MCR:

It was observed from the analysis that there was available headroom for further backing down of state thermal generation up to 55% of MCR, but this flexibility was not fully utilized across region. List of state generators where margin was available for further backing down:

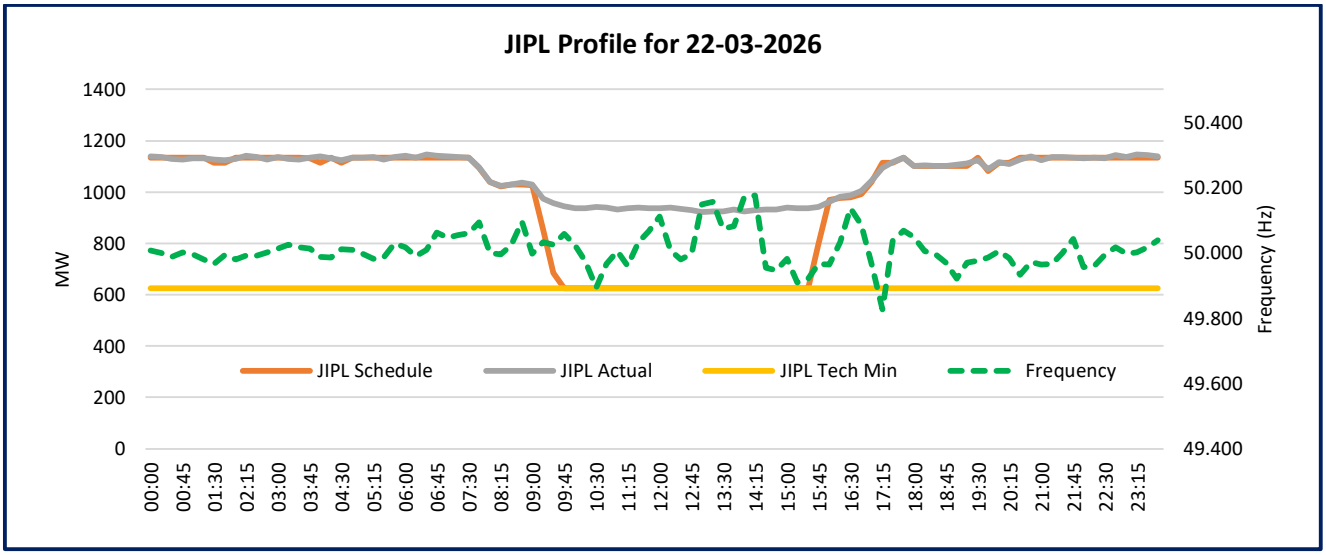
Sl. No.	Thermal Plants	State	Minimum Actual Generation (%of DC)	
			21.03.2026	22.03.2026
1	Tenughat TPS	Jharkhand	81%	66%

2	Mejia TPS	DVC	66%	71%
3	Raghunathpur	DVC	71%	71%
4	IB TPS Stg-1	Odisha	66%	61%
5	OPGC_STU	Odisha	85%	70%
6	Bandel TPS	West Bengal	83%	75%
7	Kolaghat TPS		76%	63%
8	Bakreswar TPS		74%	62%
9	DPL TPS		76%	76%
10	HALDIA TPS	West Bengal	85%	67%
11	HIRANMAYEE TPS	West Bengal	73%	73%

This persistence issues of intra-state generators MTDL were discussed in various forum including ER OCC/TCC meetings. Similar high-frequency operation on 4th, 11th, and 25th August 2024 for which Grid-India, vide its letter dated 17.09.2024, submitted a Report to the Commission on high-frequency operation on 4th, 11th, and 25th August 2024.

B) <u>Over-injection by ISGS/IPPs in ER on 20.03.2026:</u>

In the Eastern Region, JITPL (JIPL) was scheduled down to 55% MCR (625 MW) under TRAS emergency down, however, significant over-injection was observed, indicating a failure to adhere to schedules despite repeated instructions. Furthermore, it has been observed that JIPL was over injecting during high frequency period on an almost daily basis despite 55% MTDL schedule. A formal letter from ERLDC has been sent to JITPL dated 30.03.2026 requesting for providing reason for non-adherence to the schedule. On 21.03.2026, during high frequency operation, it has been also seen that NTPC Talcher also over-injecting despite our repeated pursuance from Control Room.



In-firm Generation: On 20.03.2026 during high frequency period, PVUNL unit #2 (As Infirm) continuously injected in tune of 250-350 MW despite our follow up which aggravate the frequency excursions.

Past References, Deliberations & Resolutions

High-frequency operation events have been discussed in several regional and national forums to implement corrective measures and contain grid frequency within the IEGC band.

1. **214th OCC Meeting of ER dated 23.04.2024**: All thermal GENCOs were advised to share the updated status of their respective units regarding their capability to achieve the 55% Minimum Technical Limit (MTL) and 40% MTL as per CEA flexible operation of coal fired thermal generating units.
2. **226th OCC Meeting of ER dated 22.04.2025**: High-frequency operations during April 2025 were discussed, leading to the following decisions:
    - All intra-state generators, including WBPDCL, were advised to file petitions before their respective SERCs to address financial concerns regarding part-load compensation.
    - Intra-state generators were encouraged to participate in the TRAS market which would improve down-reserves while providing incentives for generators.
    - State generators were advised to seek approval from regulatory bodies for participation in the TRAS market.
3. **CERC Workshop (Dated 01.08.2025, Kolkata)**: In the discussions held during the Workshop on addressing various challenges faced by the states in Operational Planning for safe, secure, and reliable integrated operation of the power system," chaired by the hon'ble CERC Chairperson, it was suggested that SERCs should incorporate suitable provisions for part-load compensation in State Regulations.

    The requirement to operate intra-state generators at a 55% Technical Minimum and the corresponding need for part-load compensation mechanisms have been deliberated extensively. **However, the necessary enabling provisions are yet to be incorporated by several SERCs, and many state generators have not yet achieved consistent 55% MTDL operation.** Given the rapid increase in RE capacity, high-frequency excursions during peak RE generation periods are likely to intensify unless reserve margins are made available.

    In view of the above, update may be provided for the followings:
    a) Status of enabling regulatory provision for part-load compensation of Intra-State generators.
    b) Update of implementing necessary measures to achieve the 55% Minimum Technical Limit (MTL) or 40% MTL as per CEA's report on flexible operation of coal fired thermal generating units.
    c) Update of State generators regarding approval from regulatory bodies for participation in the TRAS market.
    d) Review of action which can be taken by States/ISGS/IPPs for avoiding recurrence of under drawl/over injection as happened on 20th ,21st & 22nd March 2026.

ERLDC may explain. States/ISGS/IPP may update. Members may discuss.

2.5 Postponement of overhauling of GMR and JIPL thermal units: BSPHCL

With reference to the subject cited above and letters under reference,I would like to draw your kind attention to the fact that the proposed shutdown of JIPL U#2 (30.07.2026 to 29.08.2026), GMRU#2 (21.06.2026 to 12.07.2026) and GMRU#1 (19.07.2026 to 09.08.2026)for planned overhauling are coincides with Bihar's peak demand period (April 2026 to Sept 2026). The details of the shutdown proposals along with the requested revised period are tabulated below.

Sl. No.	Plant/Unit Name	Capacity (MW)	Shutdown Proposal Period from Generators	Requested by BSPHCL for revised period
1	JIPL U#2	660	30.07.2026 to 29.08.2026	During Oct'2026 to Mar'2027
2	GMR U#2	350	21.06.2026 to 12.07.2026	
3	GMR U#1	350	19.07.2026 to 09.08.2026	

According to the demand Projecton of BSPHCL for April 2026 to September 2026, It has been observed that Bihar is likely to face a significant power deficit situation particularly during peak and night hours Under such circumstances, the proposed shutdown of the said unit of JIPL and GMR is likely to further aggravate the power deficit situation as Blhar has a significant share from these units i.e. 260 MW (GMR) and 228 MW (JIPL), which could not be effectively mitigated by procuring power through open market (DAM & RTM) as volume clearance often extremely low during peak and night hours. Resulting, the State may be compelled to impose load restriction in order to maintain grid discipline.

Therefore, in view of the above scenario, the matter regarding postponement of aforesaid shutdown during the lean demand period of Bihar i.e. from October 2026 to March 2027 may please be considered so that adequate power availability in peak hours can be ensured.

BSPHCL may explain. Members may discuss.

2.6 Shutdown proposal of Thermal generating units: ERPC

Shutdown request of Kamalanga TPS: GMR

- U#2 of GMR Kamalanga Energy Limited is facing operational issues due to high bag filter DP for which the bags are to be replaced. Also, the boiler license is expiring in July 2026.
- Hence, as a necessity towards maintaining safety and reliability, on the availability of resources at the earliest, it is planned to take AOH of **Unit # 2** from **21st June 2026** for a duration of **22 days**.
- Also it is planned to take AOH of **U#1** from **19th July 2026** for a duration of **22 days**, as its **boiler license** is expiring in **July 2026** .

GMR may explain. Members may discuss.

Shutdown Program of North Karanpura STPP: NTPC

- ✓ It is informed that, NKSTPP Unit #2 was taken under forced outage on 24.03.2026 due to the observation of abnormal sound from the front pedestal, accompanied by already high HPT shaft and pedestal vibrations.
- ✓ A detailed internal inspection of the HPT , IPT, and LPT is currently in progress. Unit restoration is tentatively expected by 01.05.2026

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

Members may discuss/update.

2.7 Change in Default Day-Ahead Requisition in WBES to "Full Surrender": ERLDC.

- ISGS (Section 62 generating stations whose scheduling is done as per beneficiaries' share) presently declare their Declared Capacity by 06:00 hrs on D-1 for the D Day. Based on the declared capacity submitted by ISGS, entitlements for each beneficiary/State are computed as per their respective share allocation by 07:00 hrs. Thereafter, beneficiaries/States submit their requisitions in WBES against their entitlements up to 08:30 hrs on D-1.
- WBES provides multiple options to beneficiaries/States for submitting requisitions, as listed below:

  •Total Full Requisition
  •Full Surrender
  •On Bar Full Requisition
  •Manual Input

- These options enable beneficiaries to submit their requestions as per their operational requirements. At present, the default option in WBES is "Total Full Requisition." Accordingly, in cases where a beneficiary does not submit any requisition for a generating station, the system considers it as full requisition and prepares the schedule accordingly. Such default treatment may lead to unintended over-scheduling and may not reflect the actual requirement of beneficiaries and may result in violation of GNA limit by States.
- In order to address the above issues, it has been proposed to change the default option in WBES from "Total Full Requisition" to "Full Surrender." Under this proposed arrangement, if a beneficiary/State does not submit any requisition for a particular ISGS by 08:30 hrs on D-1, it shall be treated as zero requisition for that station and the schedule shall be prepared accordingly. However, beneficiaries shall continue to have the flexibility to select any of the available options, i.e., Total Full Requisition, On Bar Full Requisition, or Manual Input, and submit their block-wise requisitions within their GNA limits.
- Further, system-generated email notifications shall be issued prior to the closure of the requisition submission window (08:30 hrs on D-1).
- The above change shall be implemented on 21.04.2026 (D-1) for scheduling w.e.f. 00:00 hrs of 22.04.2026 onwards. Accordingly, from the said date, the default option for requisition submission in WBES shall be "Full Surrender." All ER beneficiaries are requested to align their scheduling practices with this new default option of WBES.

The above is submitted for information and further deliberation of OCC.

ERLDC may explain. Members may discuss.

2.8 Frequency Response Performance (FRP) of Eastern Regional entities: ERLDC

IEGC Reg. 30(10) (q) mandates that "*NLDC, RLDCs and SLDCs shall grade the median Frequency Response Performance annually, considering at least 10 reportable events. In case the median Frequency Response Performance is less than 0.75 as calculated as per Annexure2, NLDC, RLDCs, SLDCs, as the case may be, after analysing the FRP shall direct the concerned entities to take corrective action. All such cases shall be reported to the concerned RPC for its review.*"

Annexure-2 provides that "*Each control area shall be graded based on median Frequency Response Performance annually (at least 10 events) as per following criteria:*

TABLE C: FREQUENCY RESPONSE CRITERIA

Performance	***Grading***
FRP≥ 1	*Excellent*
0.85 ≤ FRP < 1	*Good*
0.75 ≤ FRP <0.85	*Average*
0.5≤ FRP < 0.75	*Below Average*
FRP<0.5	*Poor*

ERLDC has computed and graded median FRP of each control area (States and Inter State Generating Stations and IPPs) under its jurisdiction for FY 2025-26 (All 18 events), in compliance with IEGC Reg. 30(10) (q) and the same has been intimated to the concerned entities vide mail dated 07.04.2026. Further, a letter from ERLDC dated 10.04.26 has been issued to the generating plants whose median frequency response is less than 0.75 for taking corrective action.

The performance of generators is given below:

Generating Plant	Median FRP	FRP Performance
FSTPP I&II	4.42	Excellent
FSTPP III	3.18	Excellent
KhSTPP I	0.11	Poor
KhSTPP II	4.61	Excellent
TSTPS-I	1.99	Excellent
BARH-1	0.48	Poor
BARH-2	0.97	Good
GMR	3.52	Excellent
MPL	1.40	Excellent
Adhunik	2.86	Excellent
JIPL	0.66	Below Average
BRBCL	4.06	Excellent
DIKCHU	2.25	Excellent
NPGC	2.53	Excellent
DARLIPALLI	2.09	Excellent
NORTH KARANPURA	3.12	Excellent
JSWEUL	0.63	Below Average
PVUNL	1.18	Excellent

All the Generators as tabulated above may review the performances and those where Median FRP is **less than 0.75** may share corrective action plans within **30th April,2026.**

The performance of states is given below:

States	Median FRP	FRP Performance
Bihar	0.10	Poor
Jharkhand	0.54	Below Average
DVC	1.15	Excellent

OPTCL	-0.74	Poor
WB	0.59	Below Average

ERLDC may explain. Members may discuss.

2.9 Non Receipt of DR & EL post tripping or AR from the end substation utilities: IndiGrid

- IndiGrid Limited, through its Special Purpose Vehicles ENICL, OGPTL, and PKTCL owns and operates transmission line assets within the region. It is pertinent to highlight that IndiGrid's scope is limited to the line portion, and the end substations fall outside its jurisdiction, being owned and operated by respective utilities.
- In this context, it has been consistently observed that in the event of line tripping or operation of AR, DR and EL from the corresponding end substations are not received in a timely manner. The availability of DR and EL is critical for accurate identification of fault type, root cause analysis, and for meeting internal compliance and regulatory requirements. Furthermore, such data is indispensable for ensuring robust system analysis and maintaining overall transmission reliability.
- Despite this being a longstanding issue faced by the Licensee, the challenge persists. Following the introduction of the PDMS portal, IndiGrid proactively approached the concerned authorities and successfully obtained access credentials. However, it is observed that event reporting on the portal remains inconsistent, and even where events are recorded, DRs and ELs are often not uploaded or made available.
- In view of the seriousness and recurring nature of this issue, IndiGrid humbly requests the forum's intervention to direct the concerned substation-owning utilities to ensure that DRs and ELs pertaining to any event are shared promptly, preferably within a few hours of occurrence.
- Timely availability of such critical data is essential not only for compliance purposes but also for safeguarding grid reliability and enabling effective operational decision-making.

IndiGrid may explain. Members may discuss.

2.10 Critical erosion by River Kamla Balan, at tower no 348 from both sides & line modification required at tower no 348 of 400 kV New Purnea-Muzaffarpur Line with provision of Pile foundation: Powerlinks

- Tower No. 348, located on the west bank of the Kamla Balan River was observed for the strong water current of the river, and due scouring, severe erosion has occurred near the tower.
- Earlier, RRM protection work (revetment) had been provided for protection of tower, but the river scouring & soil erosion has developed again. During the inspection, it has further noted that the river flow towards the Leg C–D and Leg D–A sides is causing continuous erosion, resulting in damage to the B-C leg-side protection wall.
- Under the current circumstances, there is the 5 to 6 mtr water depth around the earlier protection wall which has created a significant risk to the stability of the tower, and with ongoing erosion, the tower may also be at risk of collapse in the future.
- In aforementioned scenario, To ensure safety & reliability of the line, we have option for Pile foundation in place of Normal foundation (@ just 3 mtr below the normal ground) provided earlier.

- Shutdown requested from 20th April to 25th May 2026 for pile foundation works.

Powerlinks may explain. Members may discuss.

2.11 Review of Black Start Exercises of Hydro Stations of ER as per IEGC 2023 Compliance for the FY 2025-26 and associated Action Plan for Improvement :ERLDC

- As mandated by IEGC 2023, mock black start exercises have to be carried out for all black start capable generating units Annually. In compliance, black start exercises of all hydro stations of ER have been completed up to March 2026.
- Based on the outcomes of these exercises, corrective actions have been identified for cases where black start was unsuccessful. Additionally, for stations where black start was successful, certain improvement areas have been observed to enable faster and more reliable system restoration. Plant wise these action points and status is mentioned below, which need to be taken up by plants.

Sr. No	Plant/ Unit Name/ Date	Reason for Failure/Rectification	Remarks / Scope of Improvement
1	**Tashiding** Unit-1 12.12.2025 **Unsuccessful**	From Plant side line was extended and Frequency, voltage, angle all parameters were stable and within permissible synchronisation range but Rangpo end BCU for synchronisation was hanged so , synchronisation could not be achieved .	Subsequently, BCU synch check system at Rangpo was tuned by OEM and Mock blackstart Synchronisation was achieved for other plants. **Proper periodic testing required for ensuring healthiness of existing BCU based Sync- facility.** ****However, for better and faster synchronisation it was recommended to install Auto synch facility at Rangpo**.**
2	**Dikchu** Unit-1 11.03.2026 **Unsuccessful**	Sustained oscillation in plant side Frequency and voltage leading to continuous violation of Synchronisation criteria.	While doing blackstart during associated line charging mode (LCH), there was a persistent issue in the Governor (frequency control) and Exciter (voltage control) systems. Similar issue was faced during the last year mock drill where unit failed to maintain a stable voltage and frequency exhibiting sustained oscillations in both voltage and frequency. **This indicates that the control loops are likely improperly tuned for "island mode.** **As a remedial measure, Dikchu was requested to formalise the issue with the OEM and perform internal response testing. Dikchu HEP must submit a comprehensive root cause analysis alongside all relevant** **testing documentation after which mock black start will be performed again.**

3	**Jorethang** Unit-2 04.02.2026 Successful	Though the blackstart was successful, but the plant frequency exhibited continuous fluctuations during the line charging mode of operation, likely attributable to variations in penstock pressure.	Frequency fluctuations resulted in a delay in synchronization at the Rangpo end, with the synchronization process taking approximately 50 minutes to complete as generating unit was not able to maintain frequency difference within the acceptable limit of 0.02 Hz for a significant duration. **Jorethang HEP is requested to take up the matter with the OEM to investigate the probable causes of the observed fluctuations. Appropriate corrective measures may be implemented based on the findings. Action taken report in this regard may be submitted.**
4	**Rongnichu** Unit-1 & 2 16.03.2026 Successful	The first attempt for Unit-1 failed due to GT Over-frequency (O/F) protection.	Successfully synchronized in subsequent attempts. The difference between grid and unit frequency remained within 0.02 Hz.
5	**Chuzachen** Unit-1 30.03.2026 Successful	N/A	Unit -1 Completed successfully. **However, Unit -2 Mock black start was attempted during the last year FY 2024-2025 was unsuccessful due to excitation system issue during Line charging Mode which needs to be checked and rectified and corrected by CHEP.**

Plants are requested to update / submit the action taken report.

Members may note and Plants may update .

2.12 Data Collection for monitoring Pan-India Captive Generating Capacity: ERPC

In the meeting taken by **Secretary (Power**), Govt of India on **17.12.2025**, it was decided that the State Chief Electrical Inspectors (CEIs) / State Load Despatch Centres (SLDCs) shall act as the nodal agencies for collection of **Captive Generation** & **Open Access** data for their respective States.

It was further decided that the **Regional Power Committees (RPCs)** shall act as the nodal coordinating agencies for consolidation and compilation of the data at the regional level on **monthly basis**.

- Data is received from only Jharkhand and DVC.

Hence, all **SLDCs** are requested to send the data of the particular month by **10th** of the subsequent month as per the format shared via email.

Members may discuss.

3. PART-C: ITEMS FOR INFORMATION

3.1. ER Grid performance during March 2026

The average and maximum consumption of Eastern Region and Max/Min Demand (MW), Energy Export for the month March -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)
548 MU	599.8 MU, 30.03.2026	27876 MW, 31.03.2026 at 19:00 Hrs.	16477 MW, 28.03.2026 at 02:58 Hrs.	4225	4405

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 **05.03.2026):**):

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
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	07.04.2026								
	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

237th OCC Decision: -

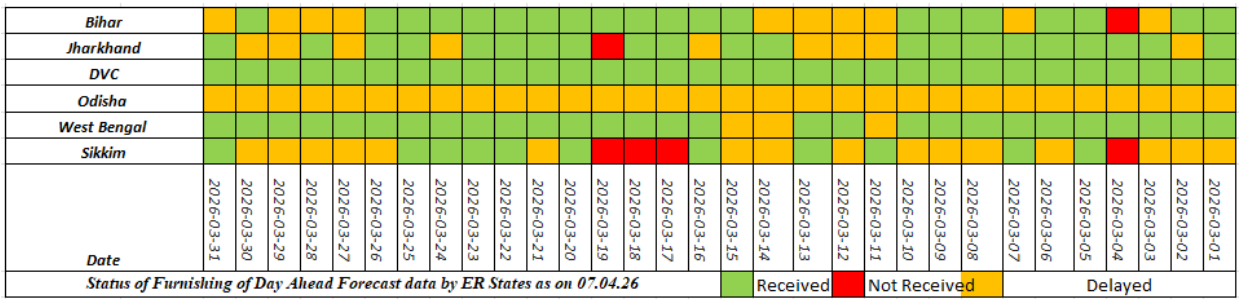
- All generators were advised to regularly share high resolution data against each reportable frequency event with ERLDC on time to facilitate accurate assessment of FRP for respective control areas.
- All generating utilities were also urged to update the google sheet (link mentioned above) with email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

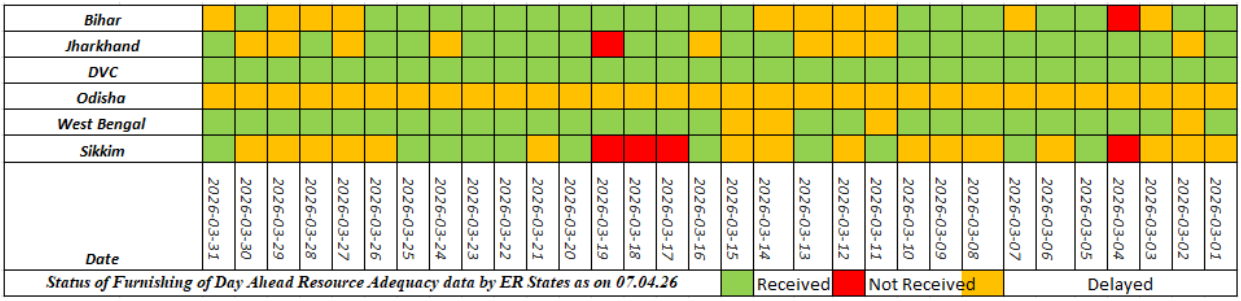
ERLDC may explain and all SLDCs may update. Members may discuss.

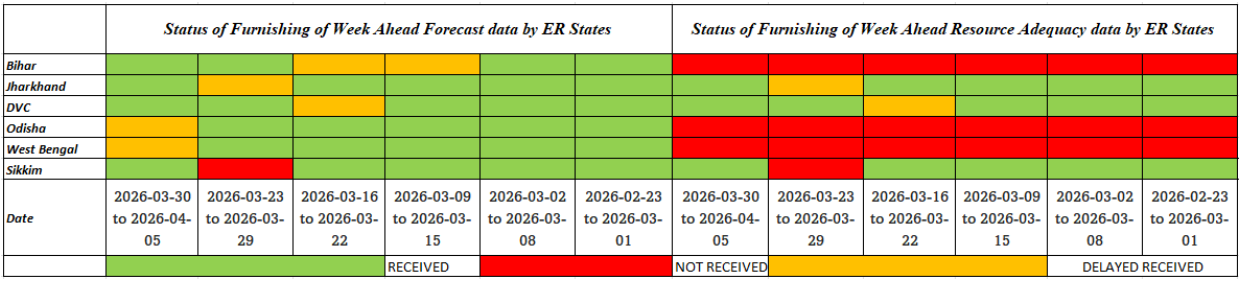
3.3. Regarding Non-Submission of Forecasting Data from States: ERLDC

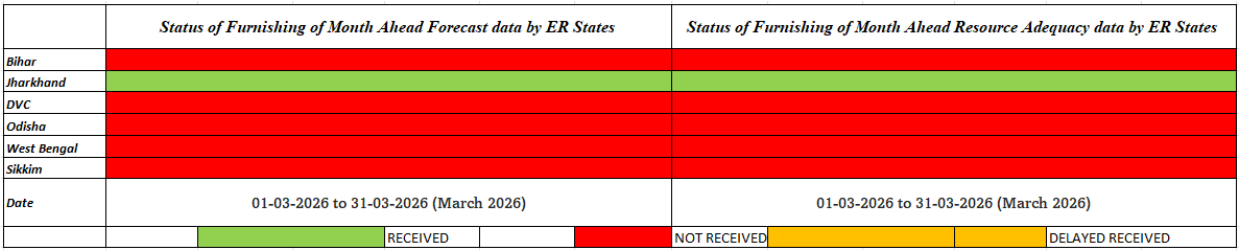
Clause 2 of **Regulation 31** of **IEGC 2023** has mandated all the SLDCs to timely submit the demand estimate data to the respective RLDC and RPC.

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:









237th 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 05-03-2026)

SL No	STATION	STATE	AGENCY	UNIT NO	CAPACITY (MW)	REASON(S)	OUTAGE DATE
1	MEJIA TPS	DVC	DVC	7	500	Capital overhauling.	26-02-2026
2	JSWEUL	ODISHA	JSWEUL	1	350	Cooling Water line Leakage	09-04-2026
3	KHSTPP	BIHAR	NTPC	3	210	Boiler Tube Leakage	09-04-2026
4	FSTPP	WEST BENGAL	NTPC	3	200	Problem in Excitation System	06-04-2026
5	JSWEUL	ODISHA	JSWEUL	2	350	EH oil leakage	04-04-2026
6	NORTH KARANPURA	JHARKHAND	NTPC	2	660	High vibration and abnormal sound from HP Turbine	24-03-2026
7	KODERMA	DVC	DVC	1	500	Low Forward Power (C&I problem)	09-04-2026
8	DPL	WEST BENGAL	DPL	7	300	Boiler furnace pressure low	06-04-2026
9	SAGARDIGHI	WEST BENGAL	WBPDCL	5	660	Tripped on boiler tube leakage	04-04-2026
10	BARAUNI TPS	BIHAR	NTPC	8	250	Turbine bearing temperature high	09-03-2026
11	IB.TPS	ODISHA	OPGC	1	210	Air preheater problem	06-03-2026
12	MEJIA TPS	DVC	DVC	2	210	Stator earth fault	07-01-2026

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	RANGIT HPS	SIKKIM	NHPC	1	20	Annual Maintenance	25-03-2026
2	BURLA HPS/HIRAKUD I	ODISHA	OHPC	5	43.65	Annual Maintenance	19-Jan-2026
3	BALIMELA HPS	ODISHA	OHPC	5	60	Repair and maintenance work	16-Jan-2025
4	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
5	CHIPLIMA HPS / HIRAKUD II	ODISHA	OHPC	1	24	Capital Overhauling	15-Dec-2023
6	TEESTA HPS	SIKKIM	NHPC	1	170	Sudden cloudburst at glacier fed LOHNAK Lake followed by huge inrush of water in Teesta River and damage of Teesta III Dam & downstream Powerhouses	04-Oct-2023
7	TEESTA HPS	SIKKIM	NHPC	2	170		04-Oct-2023
8	TEESTA HPS	SIKKIM	NHPC	3	170		04-Oct-2023
9	TEESTA STG III Hep	SIKKIM	TUL	1	200		04-Oct-2023
10	TEESTA STG III Hep	SIKKIM	TUL	2	200		04-Oct-2023
11	TEESTA STG III Hep	SIKKIM	TUL	3	200		04-Oct-2023
12	TEESTA STG III Hep	SIKKIM	TUL	4	200		04-Oct-2023
13	TEESTA STG III Hep	SIKKIM	TUL	5	200		04-Oct-2023
14	TEESTA STG III Hep	SIKKIM	TUL	6	200		04-Oct-2023
15	U. KOLAB	ODISHA	OHPC	2	80	Heavy Leakage in guide vane	22-Jan-2026
16	BURLA HPS/HIRAKUD I	ODISHA	OHPC	7	37.5	Abnormal sound from slip ring area	18-Sep-2025

4.2. Long outage report of transmission Element (MORE THAN 01 WEEK) (As on 05.04.2026):

Transmission Element / ICT	Outage From	Reasons for Outage
220/132 KV 100 MVA ICT II AT LALMATIA	22-01-2019	220/132KV, 100MVA Transformer (NTPC side) is charged on 07.02.2024 from HV side on no load. Now, it is in idle charged condition
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 31.03.2026.
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 31.03.2026.
132KV-CHANDIL-MANIQUI-1	05-06-2024	Power assistance withdrawn
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. Current status: The failed transformer has reached the vendor, the repair scope has been finalized, the PR is created, and the PO is in the advanced stage of processing. The repair, transportation, installation,

		and commissioning are expected to take about six months, with the unit likely to be available by 30.06.2026. A spare 315 MVA ICT on loan from PGCIL is being explored, and their response is awaited.
132KV-PATRATU-PATRATU-1	16-11-2024	Taken out due to Rail-way diversion and height raising work between loc 11-12, the bottom conductor of Ckt#2 has been swapped with the middle phase conductor of Ckt#1 (which was under S/D since long). Currently Ckt-1 is anti-theft charged from DVC end. -As a long-term measure, DVC has sought two nos' of 132kV bays at newly constructed 400/220/132kV S/S of JUSNL at Patratu (JH) for termination of the lines.
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	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, Revival Expected by December 25 as per availability of GE person. Presently negotiation in place for offer
400KV MAIN BUS - 2 AT DIKCHU	05-08-2025	Bus bar protection operated, Issue in GIS chamber of Y ph Isolator between Rango ckt 2 line cb and bus 2, Powder formation inside isolator chamber, Revival Expected by December 25 as per availability of GE person. Presently negotiation in place for offer
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-DALTONGANJ-LATEHAR(JUSNL)-2	23-10-2025	To avoid overloading of 400/200 kV ICT-I at Latehar
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.
132KV-MADHEPURA (BH)-SAHARSA-1	18-12-2025	To control the line loading. Line kept idle charged from Saharsa.
220KV-RAJARHAT-NEW TOWN(AA-II)-2	08-02-2026	For cable swapping job with RAJARHAT-NEWTOWN IIC-2

132KV-PATRATU-PATRATU-2	09-02-2026	Power assistance withdrawn
132KV-KHSTPP-SABOUR-1	10-02-2026	For Reconductoring work in transmission line
400KV/220KV 315 MVA ICT 1 AT KODERMA	10-02-2026	DGA violation -rising actylene 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
765KV-JHARSUGUDA-DHARAMJAIGARH-3	16-03-2026	For diversion of existing 765kV D/C Jharsuguda – Dharamjaygarh Ckt 3&4, due to upcoming railway line of IRCON
765KV-JHARSUGUDA-DHARAMJAIGARH-4	16-03-2026	For diversion of existing 765kV D/C Jharsuguda – Dharamjaygarh Ckt 3&4, due to upcoming railway line of IRCON
HVDC 800KV ALIPURDUAR (PG) Pole 3	19-03-2026	H/T ON VOLTAGE REGULATION
HVDC 800KV ALIPURDUAR (PG) Pole 4	19-03-2026	H/T ON VOLTAGE REGULATION
132KV-BANKA (PG)-SULTANGANJ-1	19-03-2026	For reconductoring work in transmission line.
400KV-BINAGURI-NORBUGANG-1	30-03-2026	R/I at Binaguri: R_N, FC 3.3 kA, FD 109.16 km [Fault in Bhutan jurisdiction]
220KV-KATAPALLI-BOLANGIR(PG)-1	31-03-2026	For system requirement power order change

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 March -2026

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

NEW ELEMENTS COMMISSIONED DURING MARCH, 2026							
उत्पादन इकाइयाँ / GENERATING UNITS							
क्र. सं. Sl.	स्थान Location /	मालिक/यूनिट का नाम OWNER/UNIT NAME	यूनिट संख्या/ स्रोत Unit	संकलित क्षमता (मेगावाट) Capacity	कुल/स्थापित क्षमता (मेगावाट) Total/Installed	दिनांक DATE	टिप्पणी Remarks

No.	Pooling Station		No/Source	added (MW)	Capacity (MW)		
1	Patratu, Jharkhand	PVUNL - UNIT 2	2/Coal	800	**1600**	17-03-2026	First time unit synchronisation

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	NTPC	NTPC KAHALGAON	ICT 3	400KV/132KV	200	11-03-2026	First time idle charge from 400 kV side
2	NTPC	NTPC KAHALGAON	ICT 4	400KV/132KV	200	11-03-2026	First time idle charge from 400 kV side
3	Powergrid Odisha Projects	JEYPORE	ICT 1	400KV/220KV	315	13-03-2026	A new 315 MVA ICT has been installed as a replacement for the old 3×105 MVA ICT#1 at Jeypore Substation, which had completed over 32 years of service and showed deviations in multiple test parameters.
4	DVC	KODERMA	ICT 2	400KV/220KV	315	05-03-2026	One 400/220/33 kV, 315 MVA ICT at Koderma TPS (DVC) was damaged on 02.06.2025. OCC approved utilization of a spare 315 MVA, 400/132/33 kV transformer from the ER pool at PGCIL Muzaffarpur Substation for Koderma TPS.

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	PGCIL	400KV-FSTPP-KHSTPP-1	94.225	HTLS Conductor	17-03-2026	The line is owned by PGCIL, while the bays at both ends are owned by NTPC. Reconductoring of the line along with associated line-side equipment has been completed(PGCIL Scope). The bays at both ends (NTPC) have also been uprated in line with the revised line rating. However, the reconductoring of the jack bus at Farakka is yet to be completed. Accordingly, the loading on the line shall be restricted to 850 MW until completion of the jack bus reconductoring at Farakka.

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. Sl. No.	एजेंसी/ मालिक Agency/ Owner	एलेमेंट का नाम Element Name	उप-केन्द्र SUB-STATION	वोल्टेज (केवी) Voltage Level (kV)	दिनांक DATE	टिप्पणी Remarks
1	NTPC	400KV MAIN BAY OF 200 MVA ICT-03 AT KAHALGAON (MAIN-II)	NTPC KAHALGAON	400	11-03-2026	
2	NTPC	400KV MAIN BAY OF 200 MVA ICT-04 AT KAHALGAON (MAIN-II	NTPC KAHALGAON	400	11-03-2026	
3	NTPC	400KV MAIN BAY OF KHSTPP-1 AT FSTPP	NTPC FSTPP	400	18-03-2026	
4	NTPC	400KV MAIN BAY OF FSTPP I AT KHSTPP	NTPC KAHALGAON	400	26-03-2026	

Members may note.

4.4. UFR operation during the month of March 2026

Frequency profile for the month as follows:

MONTH	MAX (DATE/TIME)	MIN (DATE/TIME)	% LESS IEGC BAND	% WITHIN IEGC BAND	%MORE IEGC BAND
March 2026	50.5 (on 21-Mar-26 at 13:01 Hrs.)	49.42 (on 03-Mar-26 at 18:52 Hrs.)	6.2	74.3	19.5

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

Members may note.

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