



Eastern Regional Power Committee

232nd OCC MEETING

Venue: ERPC Secretariat, Kolkata

Date: 24.10.2025

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EASTERN REGIONAL POWER COMMITTEE

AGENDA OF 232nd OCC MEETING HELD ON 24.10.2025 (FRIDAY) AT 10:30 HRS

1. PART-A: CONFIRMATION OF MINUTES

1.1. Confirmation of Minutes of 231st OCC Meeting held physically at ERPC Secretariat on 22th September 2025

The minutes of 231st Operation Coordination Sub-Committee meeting held on 22.09.2025 was circulated vide letter dated 29.09.2025.

Members may confirm the minutes of 231st OCC meeting.

2. PART-B: ITEMS FOR DISCUSSION

2.1 Update on Agenda from 231st OCC meeting: ERLDC

➤ 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 for discussing the proposed modified SPS scheme at Subhasgram and share the outcome in next OCC.

Update:

State-level meeting already done by SLDC. WB may share the update.

➤ Intrastate Transmission Network Assessment & Mitigation – Odisha:

As deliberated in 231st OCC meeting held on 22.09.2025, OPTCL and SLDC Odisha were directed to submit actions taken report i.r.o. near miss event in Odisha event on 12th August 2025 and constitute the committee as recommended earlier, comprising of members of ERPC, ERLDC, SLDC, OPTCL to review the protection settings and the short-term/long-term measures as suggested by ERLDC.

OCC also advised SLDC Odisha to obtain approval from appropriate authority for implementation of UVLS scheme proposed for safeguarding the load of capital city and nearby area from cascaded failure.

Update:

SLDC Odisha has proposed the list of committee members as attached in Annexure-2.1. O for approval. The committee may be formed accordingly.

Besides, any communication related to implementation of UVLS and the action taken report is yet to be received from OPTCL and SLDC Odisha.

OPTCL and SLDC Odisha may update.

➤ **Intrastate Transmission Network Assessment & Mitigation – DVC:**

Implementation of SPS scheme for N-1 compliance of ICTs at Bokaro
OCC advised DVC to expedite the implementation of the above suggested measures by ERLDC to improve the system resilience and reliability.

Update:

A joint study was conducted on 22nd October 2025. Where SPS proposal was discussed. Details of the proposal study attached in **Annexure B.2.1**. DVC will share their consent after internal discussion.

➤ **Sorting of 400 kV Farakka-Purnea and 400 KV Purnea – Gokarna:**

OCC acknowledged the operational need for the shorting of the 400 kV Farakka-Gokarna line for increasing the redundancy of the WB network. OCC advised PG ER-I to identify the location for shorting of the above-mentioned lines at the earliest and the same maybe shared with ERLDC, WBSLDC and ERPC.

Update:

400kV FSTPP-Gokarna direct CKT formed after sorting above two lines was charged on 02.10.2025. POWERGRID may intimate restoration plan to bring back the line to original configuration of 400kV N. Purnea-Farakka and N. Purnea-Gokarno line.

➤ **Bringing Purnea - Dalkhola lines to service either in through bus mode or in split bus mode**

OCC consented to the proposal by ERLDC and WBSLDC for reconfiguring the bus arrangement at Dalkhola.

Proposal:

1. Samsi load (which is radially fed from Gazole through splitting) may be shifted towards 220kV Purnea (PG) source through 220kV New Purnea (PG)-Purnea(PG)-Dalkhola(PG)-Gazole link.
2. Dalkhola (WB) load may be kept on 220kV Kishanganj (PG) source through 220kV Kishanganj (PG)-Dalkhola (PG)-Dalkhola (WB) link.

Update:

Proposed arrangement has been implemented on 24th September 2025.

2.2 Other Issues for follow up.

Issue	Reference	Last updated Status	Action Point
Update on Rajarhat GIS (POWERGRID) 400/220kV S/S: 2x500MVA	<p>Fresh submission from WB SLDC for 232nd OCC: The need of 3rd ICT at Rajarhat (PG) was agreed by WBSETCL in 21st CMETS-ER meeting held on 28.07.2023. Since then no headway could be achieved as yet for non-finalising tender by Power Grid for GIS integration of the said forthcoming 3rd 500 MVA ICT. This situation is extremely apprehensive for the 2026 summer, when the State Assembly election is scheduled to take place. Around 750 MW + loading is observed in Rajarhat (PG) 400 kV substation, which is a clear violation of (n-1). More than 2 years time is lost for no fruitful action from Powergrid in this regard If the proposed 3rd ICT is not operational by the Summer of 2026, severe congestion is likely to affect the ICTs at Rajarhat (PG). <u>Powergrid may please give an update vis-a-vis their plan to address this issue on a war footing basis for earliest integration of forthcoming 500 MVA ICT 3 with the GIS at Rajarhat(PG) sub-station.</u></p>	<p>As per 231st OCC: Powergrid updated that they would go for fresh bidding since only one bid has been received. OCC Decision: ✓ OCC took a serious note of the matter and observed that all the efforts to ensure the availability of 3rd ICT at Rajarhat would go in vain due to delay in implementation of GIS Bay for the said transformer. ✓ OCC strictly advised PGCIL to complete the bidding process at the earliest to avoid any further delays in commissioning of the ICT.</p>	Powergrid
Update on IB Valley TPS Islanding Scheme	<ul style="list-style-type: none"> IB valley TPS Islanding scheme has also been put on hold for long time. The status regarding the same has been sought on urgent 	<ul style="list-style-type: none"> As per 231st OCC: ✓ SLDC Odisha informed that the updated DPR is yet to be prepared by OPTCL. 	<i>OPTCL/Slidc, Odisha may update.</i>

	<p>basis by Ministry of Power (Govt of India).</p> <p>229th OCC Decision: > OCC advised ERLDC to conduct the dynamic studies of the OPGC network at the earliest in association with SLDC Odisha and OPGC.</p> <p>> OCC advised OPTCL to prepare the DPR after the completion of dynamic studies. ERLDC has done dynamic study of the proposed islanding scheme, and one online meeting was arranged on 19.08.25 to discuss about the study result, where SLDC Odisha, OPGC (IB Thermal) & OPTCL were present.</p>	<p>✓ OCC advised OPTCL to expedite the preparation of the DPR and intimate the same to ERPC at the earliest</p>	
<p>Commissioning of an additional 250 MVA ICT at Tenughat</p>	<p>On 06.08.2025 a special meeting was convened to decide on the future course of the 400 kV Tenughat–PVUNL interim line.</p>	<ul style="list-style-type: none"> • As per 231st OCC: ✓ JUSNL informed the forum that the electrical clearance for the ICT is currently pending due to the non-submission of the transformer test report to the Energy Department, Government of Jharkhand. □ OCC advised JUSNL to expedite submission of the required transformer test report to the concerned authority to avoid further delays in obtaining electrical clearance and ensure timely commissioning and 	<p>JUSNL</p>

		integration of assets into the grid.	
Implementation of AGC in Intra-state generating units.	<ul style="list-style-type: none"> 218th OCC dated 13.08.24 <p>With the increasing penetration of renewable energy, managing frequency is expected to become more challenging in the future. Therefore, it is crucial to enhance frequency control and stability through increased participation from intra-state AGC.</p>	<ul style="list-style-type: none"> As per 231st OCC: <ul style="list-style-type: none"> ✓ NTPC updated that NOC has been received from SLDC, Bihar to carry out open loop testing. ✓ NTPC further updated that They will approach SLDC, Bihar for NOC for carrying out, Close loop testing. <p>As per present received via mail dt.13.10.2025, NTPC Barauni (2×250 MW) has completed AGC open loop testing for Unit #1 and Unit #2 on 13th October 2025. The plant is exchanging signals with NLDC. All the relevant logics have been configured by the plant.</p>	NTPC and SLDC, Bihar

All concerned may update. Members may discuss.

2.3 Shifting of planned outages of Generators of ER for FY2026-27-CEA

Generating units of Eastern Region are availing maximum planned outages during Aug, 2026 and Sep, 2026 which are in line with lower peak demand of the Eastern Region during that period. But it may be noted that considering All India Peak Demand picture, the August, 2026 and September, 2026 will be critical months for availing high planned schedules. Hence, it is requested to Eastern Region to kindly shift the planned outages from August, 2026 (quantum that need to be shifted from month: 1800-2000 MW) and September, 2026 (quantum that need to be shifted from month: 1500-1800 MW) to the window of October, 2026 to January, 2027. **(Annexure B.2.3)**

2.4 Must run status to embedded generation in islanding schemes: ERPC

As per decision in Conference of Power Ministers of Eastern region dated 24th June 2025(MOM at **Annex B.2.4**): Embedded generation forming part of islanding schemes shall be maintained in operational state, including during off-merit dispatch. Suitable compensation mechanisms are to be developed in consultation with SERCs/CERC.

This is for information to and compliance by all operational islanding schemes in ER: CTPS Islanding Scheme(DVC), CESC, Tata power Haldia, Bakreshwar and Bandel IS(WBDCL).

Members may discuss.

2.5 Operation of 220kv Balimela-Upper Sileru S/C ISTS line in radial mode: OPTCL

220 KV Balimela-Upper Sileru S/C ISTS line (24.76 ckt km) is presently idle charged from OPTCL end. This line connecting two hydro stations was erected primarily to support black start operation. At present, 220 kV Balimela-Upper Sileru line being in **idle charged** condition **from only one end**, the state of **Odisha** is incurring significant energy loss.

The matter was deliberated in **207th** OCC with following outcome:

- ✓ OCC suggested OPTCL on exploring proper utilization of the line in active power transfer rather than merely keeping in idle charged condition as anti-theft measure and urged for bilateral discussion between OPTCL and its counterpart in Andhra Pradesh in resolving the issue.
- ✓ Upon detailed consideration, OCC advised OPTCL to flag the issue to SRPC for deliberation as well as seek assistance from CTU in unravelling the background of the matter prior to being granted standing approval for proposed idle charging mechanism of 220 kV Balimela-U.Sileru line.

SRPC vide mail dated 19.10.2025 has put forth observations on this along with study report from SRLDC (**Annex-B.2.5**)

From the study report, it is recommended to operate the 220 kV Upper Sileru–Balimela single circuit line in **radial mode** with the following options:

•**Option 1:** Split the bus at Balimela and keep one or two generating units in service to inject power radially into SR/AP, depending on the 220 kV line loadings in the Sileru complex.

•**Option 2:** The radial load in AP may be supplied through the 220 kV Upper Sileru–Balimela single circuit line.

OPTCL may explain. Members may discuss.

2.6 Incorrect “IEGC Violation” warning mails received and Intentional AGC OFF without prior intimation (other than scheduled maintenance communication): MPL

a) Warning mails received for “IEGC Violation” : MPL

- We are frequently receiving mails from ERLDC regarding “IEGC Violations,” particularly during load ramp-up or ramp-down conditions. It has been observed that, whenever we receive an IEGC (Frequency) violation mail from ERLDC, the AGC quantum is not being considered in the calculation of over-injection or under-injection. This is a repetitive issue as it was discussed with ERLDC.
- In the month of October itself, we have received 3 such violation mails(02nd, 6th & 11th Oct) where AGC quantum was not considered for calculating the final scheduled generation leading to erroneous computation of violation.
- It is requested to kindly take the AGC quantum into account for a more accurate assessment of IEGC violations.

b) Intentional AGC OFF without prior intimation: MPL

- There have been instances where NLDC turned off AGC without informing us. Upon our enquiry, it was stated that AGC was giving incorrect signals. This sudden AGC shutdown resulted in block deviation and consequent DSM losses. This incident has been noted on 16th October at 07:22hrs for which communication has been done with NLDC.

MPL may explain. Members may discuss.

2.7 Difficulty in obtaining “AS exclusion” during critical mill breakdowns, which may lead to unit tripping if the unit continues to operate at MTL: MPL

We are not being allowed exclusion from AS even during certain extreme emergency conditions — such as critical coal mill failures — where there is a high probability of unit tripping due to flame failure if operated at lower loads or MTL conditions. In such situations, we request AS exclusion so that, by managing the beneficiary schedule, the unit can be operated at a comparatively stable load (above MTL, around 350–380 MW). However, in many instances, such requests have been denied, resulting in DSM losses incurred to prevent unit tripping. We suggest enabling **Unit-wise AS exclusion**, so that in situations like the above, one unit can continue to comply with AS requirements while the problematic unit can temporarily opt out from AS participation. This will also aid us during unit start up condition where stable load is required.

MPL may update. Members may discuss.

2.8 DC Loss for Nox Baseline Test as per CERC mandate: MPL

Recently, we carried out the NOx baseline test in the unit-1 as part of the preparation for De-NOx system installation during the upcoming AOH (Nov-25 to Dec-25). One of the test steps required operation at 80% load (~420 MW), for which we approached NLDC

several times to OPT OUT from AS and simultaneously requisite load was managed through our beneficiaries. Unfortunately, we were not permitted to opt out from AS, and had to perform the test **by revising our DC resulting our customers to purchase power at the higher market rate**. The test activity was planned on 10th which was further rescheduled to 11th October 2025. NLDC declined to perform test during solar hours as a result of which it was shifted to non-solar hours.

Since it is a CERC mandate to comply with the prescribed NOx emission limits, this test was an essential requirement. However, the same was not considered by NLDC, **resulting in DC loss for us**.

MPL may update. Members may discuss.

2.9 Shutdown proposal of generating units for the month of November and December 2025: ERPC

Maintenance Schedule of Thermal Generating Units of ER during 2025-26									
System	Station	Unit	Capa city (MW)	LGBR Approved		No of Da ys	Revised proposed		Reas on
				From	To		Fro m	To	
NTPC	NABINAGAR STPP	1	660	1-Nov-25	30-Dec-25	60			AOH: Boiler+ Turbin e + Gen
	FARAKKA STPS	4	500.0 0	1-Nov-25	5-Dec-25	36			AOH
	KAHALGAON TPS	4	210	26-Nov- 25	30-Dec-25	35			Boiler +LPT+ GEN
	BARH I	1	660.0 0	2-Nov-25	16-Dec-25	45			AOH
	BARAUNI TPS	9	250.0 0	1-Dec-25	30-Dec-25	30			AOH
JITPL	DERANG TPP	1	600.0 0	3-Dec-25	2-Jan-26	31			AOH
GMRKEL	KAMALANGA TPS	2	350	1-Dec-25	26-Dec-25	26			AOH- R&M
DVC	MEJIA TPS	6	250.0 0	3-Dec-25	6-Jan-26	35			AOH- R&M

WBPDCCL	SANTALDIH TPS	5	250.0 0	27-Dec- 25	30-Jan-26	34			BTG OH + De- Nox
	BAKRESWA R TPS	2	210	1-Nov-25	20-Nov-25	20			BOH+ GOH+ RLA
	BAKRESWA R TPS	3	210	10-Dec- 25	20-Dec-25	10			Boiler Lic Renew al
	SAGARDIGHI TPS	3	500	3-Dec-25	22-Dec-25	20			Blr + Gen OH
OPGC	IB VALLEY TPS	1	210.0 0	1-Dec-25	9-Jan-26	21 0			R&M
CESC	BUDGE BUDGE. TPS	1	250	15-11- 2025	21-11- 2025	28			AOH- Blr, LPT & Gen
	BUDGE BUDGE. TPS	2	250	23-11- 2025	07-12- 2025	10			AOH
	BUDGE BUDGE. TPS	3	250	9-Dec-25	15-Dec-25	7			Inspec tion

Members may discuss/update.

2.10 Shutdown Program of Generating Unit : MPL

MPL Unit #1 Annual Overhaul will be availed from 08th Nov 2025 (for AOH and setting up of De-NOx system Improving NOx) for a period of 35 Days

MPL may update. Members may discuss.

2.11 Availing Construction power for construction of Unit#4 from own generation: GMRKEL

We would like to inform you that GMR Kamalanga (GKEL) has received "in principle" approval for installation of 1400 MW approval from High Level Clearance Authority of Odisha (Annexure B.2.6.1). As you are aware, out of 1400 MW (4x350MW), three (3) units (3x350MW) have been operational since FY13-14 and supplying power to its

beneficiaries successfully for more than 10years now. Completion of construction and commissioning of the balance350 MW capacity (4th Unit) had to be halted mid-way due to various reasons beyond the control of GKEL.

GKEL is now planning to take up the project again and complete the construction of Unit-4 subject to interalia, receiving all necessary clearances from various govt. authorities in a timely manner and PPA tie up fora major part of the unit capacity. Subject to the same, we estimate commercial operation to be achievedduringFY27-28. Balance of Plant was designed and constructed to meet the requirements of all four (4) Units. The detail list of system along with its constructions status is attached for your ready reference.

(Annexure B.2.6.11)

GKEL has about 67 MW of surplus power available for merchant sale. In this regard, GMKEL desires to meets its construction power requirement to the extent of 1.5MW phased over a period of 30 Months for construction, erection, testing and commissioning of Unit#4 Therefore, we would request you to kindly grant permission for use of 1.5MW during construction for commissioning out of the available quantum for Merchant sale..

GMRKEL may update. Members may discuss.

2.12 Implementation of Relinquishment of 220 kV Bidhannagar–Waria Ckt-2 and Associated Shutdown for Bay Conversion at Bidhannagar (WBSETCL) S/S – Urgent Action Required: WBSLDC

A discussion took place between DVC authorities and WBSETCL authorities, where it was mutually agreed to relinquish any one bay, line of Bidhannagar - Waria ckts. On behalf of DVC, the Chief General Manager (Commercial) DVC conveyed their consent for relinquishment of one ckt out of 220 kV Bidhannagar - Waria D/C tie lines vide letter dated 17.03.2025. Further to above, Sr Manager (Commercial), DVC again conveyed their clearance for relinquishment of one of the Bidhannagar - Waria ckts vide his letter dated 19.08.25.

Accordingly, WBSETCL planned for converting Waria ckt 2 bay at Bidhannagar as HV side bay of forthcoming 4th ICT (200 MVA) at Bidhannagar (WBSETCL) 400 / 220 / 132 kV sub-station. In view of growing load in the DGP and around area, this is now becoming very important to bring the 4th 200 MVA (220/132 KV) ICT at Durgapur on war footing basis in view of 2026 election. To accommodate this transformer site readiness is crucial to get ready before arrival of the transformer, for which the shutdown in respect of 220 kV DGP-Waria 2, requisition was placed.

Despite the above background, SLDC, WB didn't get shutdown in respect of Bidhannagar - Waria ckt 2 for dismantling CT, LA etc. at Bidhannagar (WBSETCL) s/stn end for 11.10.25. It has come to the knowledge enrouting ERLDC control room that DVC SLDC has invited a discussion on this issue in the OCC meeting.

This issue needs immediate redress-al in terms of shutdown clearance of the said line for dismantling.

WBSEDCL may update. Members may discuss.

2.13 Pending Installation of Circuit Breaker at WBSETCL Kolaghat for Secure Operation of Kolaghat–DVC Tie Line During Emergencies: WBSLDC

Since beginning there is no CB at Kolaghat (WB) sub-stn end in respect of Kolaghat-Kolaghat (DVC) tie line. This line is usually kept off. This line is used only on emergency situations for providing Power assistance to DVC or to get power assistance from DVC. But in absence of CB, there is no control / protection of the said tie line at WBSETCL end, which is needed for system security aspect. As both the sub-stations are adjacent, hence it was requested earlier to DVC for providing minimum space for installation of the CB, i.r.o KOL-KOL(DVC) tie line. But this issue is not resolved as yet. This may please be addressed, without which it's becoming difficult to provide power assistance on need without any protection / control at WBSETCL end.

WBSEDCL may update. Members may discuss.

2.14 Non-Compliance of Ramp Rate by Barh Stage-I (ISGS) affecting Power requisition and Merit Order Despatch: WBSEDCL

It has been consistently observed that **Barh Stage-I (ISGS)** is not adhering to the prescribed minimum ramp rate of 1% of MCR per minute as mandated under **Regulation 45(9)(a)(i)** of the **Indian Electricity Grid Code (IEGC), 2023**, and is instead limiting ramping to about 20 MW per 15-minute block, citing internal technical constraints. (**Annexure B.2.14**)

- As a result, despite **WBSEDCL** punching full requisition of its entitled share, particularly during **evening peak** hours, the station is scheduling and delivering only a fraction of the entitlement.

WBSEDCL and ERLDC may explain. Members may discuss.

2.15 Critical Installation of BESS at New Melli SS for increasing reliability of system stability against frequent outage of Auxiliary supply (11 KV supply by EPDS) and subsequent capitalization in original Package (Sikkim-B): PGCIL

New Melli SS of POWERGRID is purely switching SS and for auxiliary supply majorly dependant upon 11 KV supply by EPDS/Sikkim and during intermittent period, available DG Set supplied the requisite source. As New Melli SS is located in hills such type of problems is very frequent in rainy season (April-October) for each year.

Being switching station, there is no option for any System dependant auxiliary (Like Tertiary Transformer) and only frequent start/stop of DG set is other alternative.

Such type of frequent interruption is detrimental to Substation auxiliaries as well as main equipment's. Failure, of Battery Charger card was observed in such stations, and many times creating serious constraints and installed Batteries also affected.

To overcome such situation, an available alternative is designed to have optimum sizing of BESS (Battery Energy Storage System) in line with GoI directives for adopting green alternative.

For New Melli, as per requirement, a system of 120 Kw for 06 Hours back-up envisaged. Details technicalities are attached in Annexure-I. This option shall be adequate for hill areas where extending any connectivity is highly terrain dependant and overall, not that reliable.

For subject activity, offer taken from M/S. EESL, having specialization in such activities across country. Total cost implication including AMC, comes to Rs. 3.4 Crore (Excluding applicable Taxes).

As it is going to enhance system reliability, it is proposed to consider the expenditure under ADDCAP 2024-29 of original project i.e. Sikkim-B.

PGCIL may explain. Members may note.

2.16 Intimation regarding DOCO of spare 105 MVA ICT of Rangpo, at Siliguri SS under “Procurement of Spare Transformer/Reactor as per ERPC/ERPC recommendations: PGCIL

As per approval accorded in 44th ERPC meeting vide agenda point no B1.2, ERPC Board approved procurement of Spare 105 MVA 400/220/33 KV ICT (1-Ph) for Rangpo SS. However, due to major problems faced in North Bengal and Sikkim in last 02 Years due to many uncontrollable reasons, subject ICT in-principally agreed to be kept at Binaguri SS. Same has been approved vide 52nd TCC and 217th OCC Meeting for keeping the ICT at Binaguri SS in place of Rangpo.

During detail checking before dispatch it is found that spare ICT foundation available at Siliguri SS can accommodate the said Spare ICT with slight modifications. Subject provision is beneficial both in terms of cost and time.

Accordingly, subject ICT kept at Siliguri SS (at spare ICT foundation) and successfully commissioned on 20.09.2025.(Annexure B.2.16)

As such, present location of 105 MVA, 400/220/33 KV spare ICT unit (1-Ph Unit, For Rangpo SS) to be considered as Siliguri SS instead of earlier noted Binaguri SS.

This is for information please.

PGCIL may explain. Members may note.

2.17 Key Directions from CERC Order dated 05.10.2025 in Suo Motu Petition No. 9/SM/2024

Hon'ble Commission had issued Suo Motu Order in 9/SM/2024 on 07.10.2024 for planning for safe, secure, and reliable integrated operation of the power system during critical periods arising on account of seasonal variations wherein the electricity demand increases. The order was followed by submissions from NLDC, RLDCs and SLDCs, various meetings among CERC, NLDC, RLDCs and SLDCs, State regulators, discoms and the Report of the single-member bench under Member (Technical), CERC. Finally, CERC issued order dated 05.10.2025 directed the following:

SLDCs to be strengthened through adequate staffing. SLDCs may develop separate HR and transfer policies, take up manpower enhancement with management, post SLDC employees temporarily at RLDC for enhancing technical expertise, promote training on forecasting and data management capabilities, promote AGC enablement in state generators, deploy and train staff in cybersecurity, make best efforts to submit forecasting data with the available manpower, leverage automation and improve infrastructure and working conditions. They may also maintain reserves in coordination with DISCOMs (NLDC will begin maintaining reserves on a state wise basis from 01st April 2026), plan procurement proactively, monitor primary response, ensure that RE-generating stations comply with CEA Technical Standards, including HVRT, LVRT, and reactive power requirements, before connecting to the state grid. And take up with the state generators for addressing technical issues in operating thermal units at 55% MTL.

SERCs may align the State Grid Code with the CERC Grid Code 2023 especially regarding AGC, incentives for AGC, reserve requirements, part-load compensation and may explore possibilities of two shift operation. They may also frame Fees & Charges (F&C) regulations incorporating incentives for certified SLDC staff.

State Power Departments may sanction adequate manpower for SLDCs as per the Mop's Workforce Adequacy Guidelines.

FoR may take up the issue with respective SERC regarding formulation of regulatory framework at state level for SLDC Fees and charges, part load compensation of intra state generators. The possibility of establishing a separate cadre system for SLDCs may also be explored. The regulations enabling recovery of the cost of maintaining reserves may be taken up at the FOR level on recommendations and requirements cited by States.

Grid-India to coordinate with CEA for implementing flexible operation of thermal units, expand training and certification opportunities with NPTI, and review reserve ceiling requirements for NER states.

RLDCs, in collaboration with NLDC, to conduct structured capacity-building programs for SLDC personnel and enhance coordination for improved forecasting.

RPCs to regularly review states Resource Adequacy submissions in meetings.

State generators may visit successful ISGS units like NTPC to resolve operational limitations at 55% MTL.

The implementation of the SAMAST framework in the control areas where it is under implementation stage needs to be closely monitored and implemented. In states where the scheme is in its initial stage, the scheme needs to be awarded within two months, and its implementation period not exceeding one year after the award.

States need to ensure their intra-state transmission resource adequacy and plan and implement their intra-state transmission system effectively.

Schedule-related (USD) direction:

Introducing changes in scheduling related provision of ISGS Generating stations, including Off Bar/On Bar DC in case of USD, recall of units under USD, de-commitment by Grid-India, and DSM provisions during high frequency. ERLDC will present an overview of the key

scheduling-related provisions introduced via CERC Suo-Motu Order No. 9/SM/2024 dated 05.10.2025, including implementation aspects and recent changes in WBES.

Members may note.

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

3.1. ER Grid performance during September 2025

The average and maximum consumption of Eastern Region and Max/Min Demand (MW), Energy Export for the month September-2025 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)
636 MU	667 MU, 10.09.2025	31371 MW, 08.09.2025 at 23:48 Hrs.	20998 MW, 17.09.2025 at 05:41 Hrs.	1818	2285

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.

In 230th 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.

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 21.10.2025):

STATIONS		11-05-2025 16:51 HRS	12-06-2025 13:34 HRS	16-06-2025 11:51 HRS	22-07-2025 19:46 HRS	29-07-2025 14:55 HRS	01-09-2025 14:57 HRS	24-09-2025 11:04 HRS	24-09-2025 11:32 HRS
FSTPP #STG1 & 2	ISGS								
FSTPP # STG3	ISGS								
KHSTPP #STG1	ISGS								
KHSTPP #STG2	ISGS								
TSTPP #STG1	ISGS								
Barh stage-1	ISGS								
Barh stage-2	ISGS								
BRBCL	ISGS								
Darlipalli	ISGS								
North Karanpura	ISGS								
NPGC	ISGS								
TEESTA V	ISGS								
Dikchu									
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	21.10.2025								
	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/1slvAOmQIEQVIMn0LnB78eKMa2sz2QYICZ-sPEpeV_jk/edit?usp=sharing

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:

4. PART-D: OPERATIONAL PLANNING

4.1. Anticipated power supply position for November-2025

The abstract of peak demand (MW) vis-à-vis availability and energy requirement vis-à-vis availability (MU) for the month of November-2025 is prepared by ERPC Secretariat (**Annexure D.1**) on the basis of LGBR for 2025-26 and feedback of constituents, keeping in view that the units are available for generation and expected load growth etc.

Members may update.

4.2. Major Thermal Generating Units/Transmission Element outages/shutdown in ER Grid (as on 21-10-2025)

SL No	STATION	STATE	AGENCY	UNIT NO	CAPACITY (MW)	REASON(S)	OUTAGE DATE
1	IB.TPS	ODISHA	OPGC	2	210	Loss of evacuation path	21-Oct-2025
2	BARAUNI TPS	BIHAR	NTPC	8	250	Tripped on boiler tube leakage	21-Oct-2025
3	BARAUNI TPS	BIHAR	NTPC	9	250	Tripped on boiler tube leakage	21-Oct-2025
4	OPGC	ODISHA	OPGC	4	660	Tripped on boiler tube leakage	20-Oct-2025
5	DPL	WEST BENGAL	DPL	7	300	Tripped on boiler tube leakage	20-Oct-2025
6	IB.TPS	ODISHA	OPGC	1	210	Emergency hand tripped Due to sparking in carbon brush of generator slip ring	18-Oct-2025

7	Sterlite	ODISHA	SEL	2	600	Tripped due to PA Fan issue	08-Oct-2025
8	RTPS	DVC	DVC	1	600	Class B protection operated	04-Oct-2025
9	SOUTHERN	WEST BENGAL	CESC	1	67.5	Low system demand	03-Oct-2025
10	SOUTHERN	WEST BENGAL	CESC	2	67.5	Low system demand	23-Sep-2025

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
1	FSTPP	WEST BENGAL	NTPC	3	200	Reserve Shut Down	20-Oct-2025
2	FSTPP	WEST BENGAL	NTPC	4	500	Reserve Shut Down	20-Oct-2025

Hydro Unit Outage Report: -

S. NO	STATION	STATE	AGENCY	UNIT NO	CAPACITY (MW)	REASON(S)	OUTAGE DATE
1	TEESTA STG III Hep	SIKKIM	TUL	1	200	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
2	TEESTA STG III Hep	SIKKIM	TUL	2	200		
3	TEESTA STG III Hep	SIKKIM	TUL	3	200		
4	TEESTA STG III Hep	SIKKIM	TUL	4	200		
5	TEESTA STG III Hep	SIKKIM	TUL	5	200		
6	TEESTA STG III Hep	SIKKIM	TUL	6	200		
7	TEESTA HPS	SIKKIM	NHPC	1	170		

8	TEESTA HPS	SIKKIM	NHPC	2	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
9	TEESTA HPS	SIKKIM	NHPC	3	170		
10	U.KOLAB	ODISHA	OHPC	3	80	Annual Overhauling	17-Oct-2025
11	BURLA HPS/HIRAKUD I	ODISHA	OHPC	7	37.5	Abnormal sound from slip ring area	18-Sep-2025
12	CHIPLIMA HPS / HIRAKUD II	ODISHA	OHPC	1	24	Capital Overhauling	15-Dec-2023
13	BALIMELA HPS	ODISHA	OHPC	5	60	Repair and maintenance work	16-Jan-2025
14	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

1.1. Long outage report of transmission Element (MORE THAN 01 WEEK) (As on 21.10.2025):

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. 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.
220KV-WARIA-BIDHANNAGAR-1	08-06-2022	To control overloading of 220 kV Waria-DSTPS (Andal) D/C line
220KV-WARIA-BIDHANNAGAR-2	08-06-2022	To control overloading of 220 kV Waria-DSTPS (Andal) D/C line

132KV-BARHI-RAJGIR-1	25-03-2023	Dismantling of tower no. 227, 228, and 229 crossing the premises of Mahabodhi Cultural centre along with Destrining of conductor of both circuits and Earthwire between tension tower no. 218-237 in same line.
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 Destrining of conductor of both circuits and Earthwire between tension tower no. 218-237 in same line.
400KV-RANGPO-TEESTA-V-1	04-10-2023	Tower near gantry of Teesta V powerhouse collapsed due to sudden cloudburst at glacier fed LOHNAK Lake followed by huge inrush of water in TEESTA river and damage of Teesta III Dam & downstream Powerhouses
400KV-RANGPO-TEESTA-V-2	04-10-2023	Tower near gantry of Teesta V powerhouse collapsed due to sudden cloudburst at glacier fed LOHNAK Lake followed by huge inrush of water in TEESTA river and damage of Teesta III Dam & downstream Powerhouses
132KV-RANGPO-SAMARDONG-1	22-05-2024	Rangpo:Y_N fault with fault distance 0.157 KM ,14.562kA Samardong: NA
132KV-CHANDIL-MANIQUEI-1	05-06-2024	Power assistance withdrawn
400KV/220KV 315 MVA ICT 1 AT NORTH KARANPURA	12-09-2024	Tripped on Differential protection
132KV-MADHEPURA (BH)-SAHARSA(PMTL)-1	23-09-2024	To control loading on 132kV Madhepura-Sahrsa line
400KV/220KV 315 MVA ICT 1 AT TSTPP	01-11-2024	Tripped on PRD protection
132KV-PATRATU-PATRATU-1	16-11-2024	Diversion/Heightening of line due to inadequate clearance from under construction railway Line by PVUNL
400KV/220KV 315 MVA ICT 2 AT MEJIA-B	20-01-2025	Tripped during charging of ICT#1 bay with cable from 220 kv GIS side
400KV/220KV 315 MVA ICT 1 AT LATEHAR	22-04-2025	R phase LA of 400/220/33 KV ICT - I got bursted
400KV/220KV 315 MVA ICT 2 AT LATEHAR	16-04-2025	Transformer REF protection operated
400KV/220KV 315 MVA ICT 2 AT KODERMA	02-06-2025	Transformer Differential Protection operated

132KV-RAXAUL(NEW)-PARWANIPUR-2	03-07-2025	To carry out Gantry erection works at near by Parsauni 132/66/33 kV Substation of Nepal
132KV-RAXAUL(NEW)-PARWANIPUR-1	03-07-2025	To carry out Gantry erection works at near by Parsauni 132/66/33 kV Substation of Nepal
220KV-RAJARHAT-NEW TOWN(AA-II)-1	10-07-2025	Emergency shutdown for BCU replacement work at Rajarhat. Charging attempted but tripped on SOTF. B_ph cable faulty
220KV-PATNA-KHAGAUL-1	02-08-2025	Tower No. 63 has bent significantly on one side
400KV/220KV 315 MVA ICT 2 AT KEONJHOR(PG)	05-08-2025	Buchholz relay operated
400KV MAIN BUS - 2 AT DIKCHU	05-08-2025	Bus bar protection operated
400KV-DIKCHU-RANGPO-2	05-08-2025	Damaged insulator replacement work. While charging the line bus bar protection operated at Dikchu
400KV-ALIPURDUAR (PG)-PUNASANGCHUN-1	09-06-2025	CONNECTION OF ALL PHASE JUMPERS AT LOC. 177
400KV-PVUNL-PATRATU-2	19-08-2025	Patratu end:General trip,DT received & overvoltage protection.Repair work going on isolator chamber,expected by 15.9.2025
400KV-ARAMBAGH-NEW PPSP-2	04-01-2025	Damage in GIS chamber at new ppsp ss for Arambag ckt.Expected in January 2026
400KV-GOKARNA-NEW PURNEA-1	13.09.2025	for de-stringing of existing conductor, from very critical Tower no 1100(DD+0) which may collapse due to Ganga River water level raise and soil erosion approx 420 Mtr ,balance soil on 20 mtr from tower to Ganga Water
400KV-NEW PURNEA-FARAKKA-1	13.09.2025	for de-stringing of existing conductor, from very critical Tower no 1100(DD+0) which may collapse due to Ganga River water level raise and soil erosion approx 420 Mtr ,balance soil on 20 mtr from tower to Ganga Water
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
132KV-KARMNASHA-SAHUPURI-1	01.10.2025	Tripped from Sahupuri end: GND PU, R phase ,IL1-4.47KA ,Zone 1st ,Dist 11km
400KV-NEW RANCHI-RANCHI-4	10.10.2025	Line Equipment shifting work at New Ranchi

400KV-NEW RANCHI-RANCHI-3	10.10.2025	Line Equipment shifting work at New Ranchi
220KV-KATAPALLI-BOLANGIR(PG)-1	10.10.2025	Line kept idle charged from Bolangir end.
220KV-CHANDAUTI (PMTL)-BODHGAYA-2	13.10.2025	Emergency tree trimming work
220KV-CHANDAUTI (PMTL)-BODHGAYA-1	13.10.2025	Emergency tree trimming work

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).

4.3. Commissioning of new units and transmission elements in Eastern Grid in the month of September-2025.

The details of new units/transmission elements commissioned in the month of September-2025 based on the inputs received from beneficiaries:

NEW ELEMENTS COMMISSIONED DURING September, 2025							
उत्पादन इकाइयाँ / GENERATING UNITS							
S. No.	स्थान Location / Pooling Station	मालिक/यूनिट का नाम OWNER/UNIT NAME	यूनि ट सं ख्या/ स्रोत Unit No/ Sou rce	संकलित क्षमता (मेगावाट) Capacity added (MW)	कुल/स्थापित क्षमता (मेगावाट) Total/Installe d Capacity (MW)	दिनांक DATE	टिप्पणी Remarks क्र
NIL							
आई.सी.टी./जी.टी/एस.टी / ICTs/ GTs / STs							
क्र. S. No.	एजेसी/ मालिक Agency /Owner	उप-केन्द्र SUB-STATION	आईसीटी संख्या ICT NO	वोल्टे ज (के वी)	क्षमता (एमवीए) CAPACITY (MVA)	दिनांक DATE	टिप्पणी Remarks

N o.				Voltage Level (kV)			
NIL							
प्रेषण लाइन / TRANSMISSION LINES							
क्र. 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. 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 ER_II	132 KV Siliguri-Melli TL	92.346		08-08- 2025 16:47	Back to original Configuration	
2	PGCIL ER_II	132 KV Rangit- Kurseung TL	61.205		08-08- 2025 16:50	Back to original Configuration	
3	BSPTC L	132KV-CHANDAUTI (PMTL)- Daudnagar(New)-1	LILO length- 24.2 kms/total length- 106 kms	HTLS equivalent to panther	24-08- 2025 19:57	Idle charged from Chandauti(PM TL) end).	
बस/लाइन रिएक्टर / BUS/LINE REACTOR							
क्र. Sl. No.	एजेंसी/ मालिक Agency /Owner	एलेमेंट का नाम Element Name	उप-केन्द्र SUB- STATION	वोल्टेज (केवी) Voltage Level (kV)	दिनांक DATE	टिप्पणी Remarks	

N o.						
NIL						
बस / BUS						
क्र. Sl. No.	एजेंसी/ मालिक Agency /Owner	एलेमेंट का नाम Element Name	उप-केन्द्र SUB- STATIO N	वोल्टेज (केवी) Voltage Level (kV)	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. Sl. No.	एजेंसी/ मालिक Agency /Owner	एलेमेंट का नाम Element Name	उप-केन्द्र SUB- STATIO N	वोल्टेज (केवी) Voltage Level (kV)	दिनांक DATE	टिप्पणी Remarks
NIL						
बे / BAYS						
क्र. Sl. No.	एजेंसी/ मालिक Agency /Owner	एलेमेंट का नाम Element Name	उप-केन्द्र SUB- STATIO N	वोल्टेज (केवी) Voltage Level (kV)	दिनांक DATE	टिप्पणी Remarks
1	OPTCL	400KV MAIN BAY OF FUTURE (Bay No-410) AT NEW DUBURI	NEW DUBURI	400	16-09- 2025	
2	OPTCL	400KV TIE BAY OF (500 MVA ICT 3 AND FUTURE) AT NEW DUBURI (Tie Bay (409-410))	NEW DUBURI	400	16-09- 2025	
3	SJVN TPL	400KV MAIN BAY OF NAUBATPUR-1 AT BUXAR TPP	BUXAR TPP	400	09-09- 2025	

4	SJVN TPL	400KV TIE BAY OF (GT-1 & NAUBATPUR- 1) AT BUXAR TPP	BUXAR TPP	400	09-09- 2025	
5	NTPC	400kV Main Bay (Uprated) of Banka-1 at NTPC Kahalgaon	NTPC Kahalgaon	400	11-09- 2025	

Members may note.

4.4. UFR operation during the month of September 2025

Frequency profile for the month as follows:

MONTH	MAX	MIN	% LESS IEGC BAND	% WITHIN IEGC BAND	% MORE IEGC BAND
	(DATE/TIME)	(DATE/TIME)			
September, 2025	50.41 Hz on 03- 09-2025 at 12:50 Hrs.	49.41 Hz on 09- 09-2025 at 18:56 Hrs.	6.02	78.34	15.64

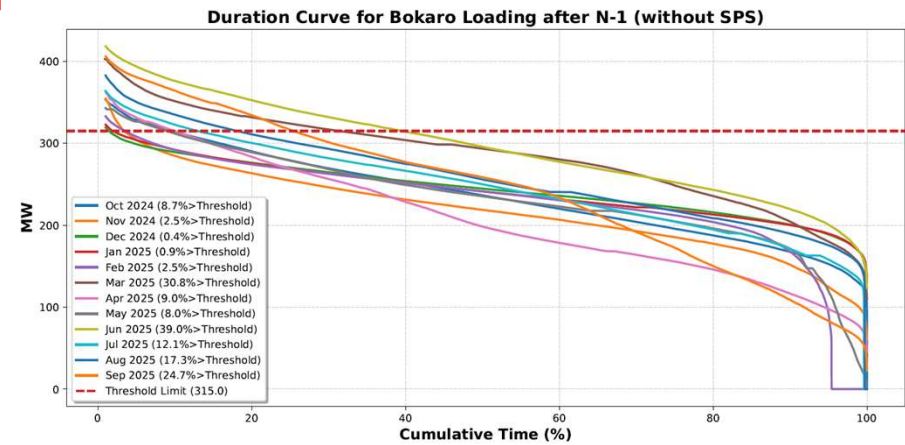
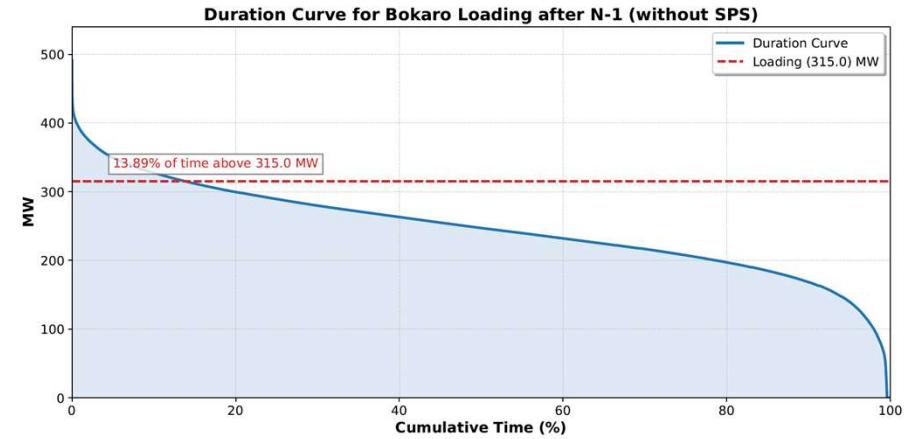
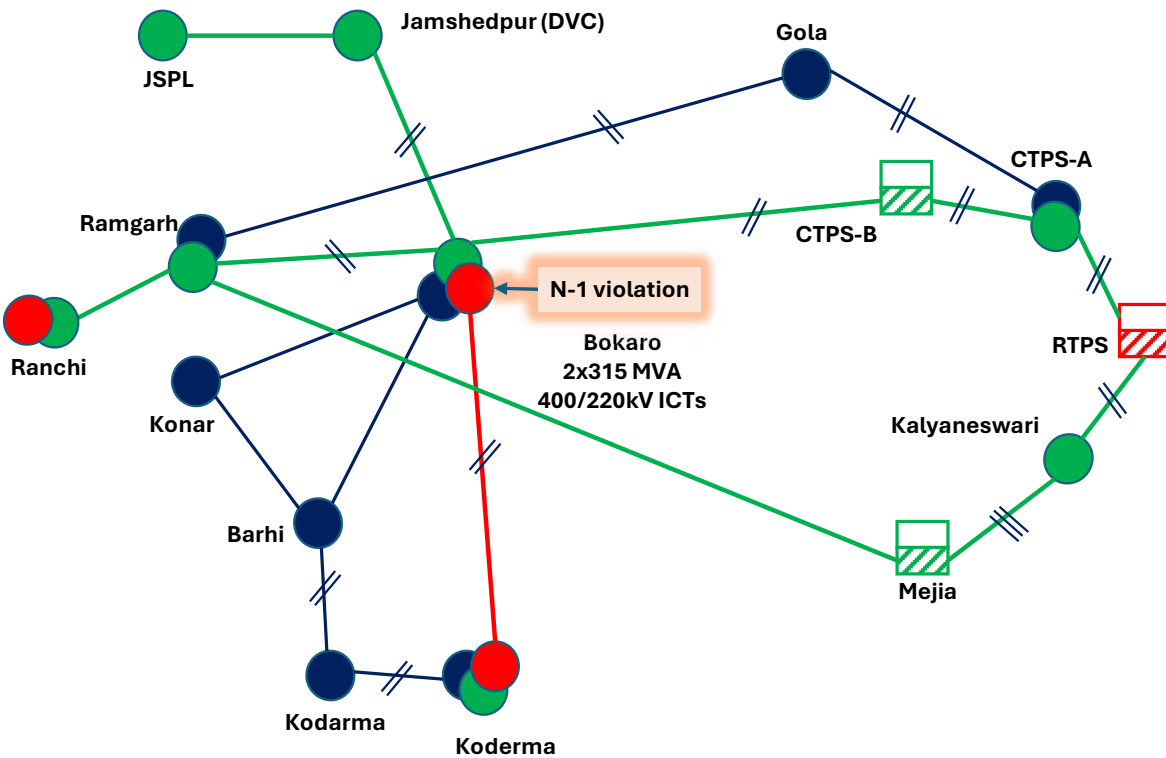
Hence, no report of operation of UFR has been received from any of the constituents.

Members may note.

SPS: 400/220kV Bokaro ICT

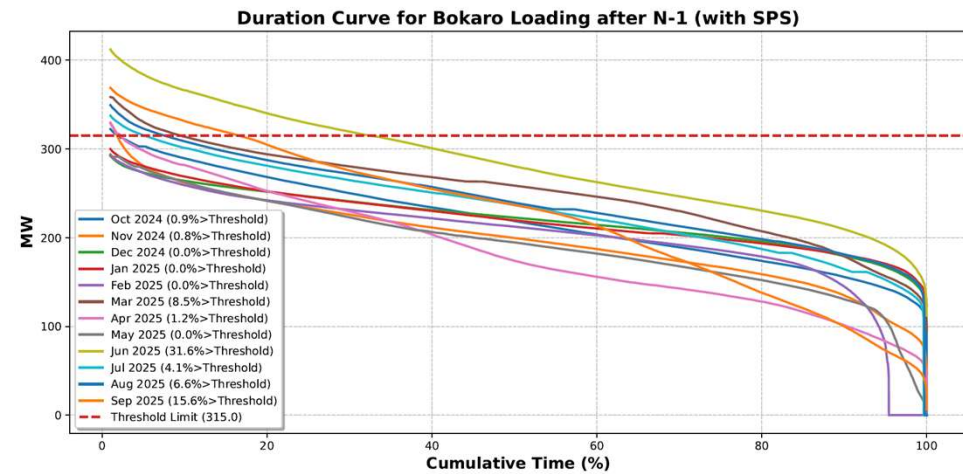
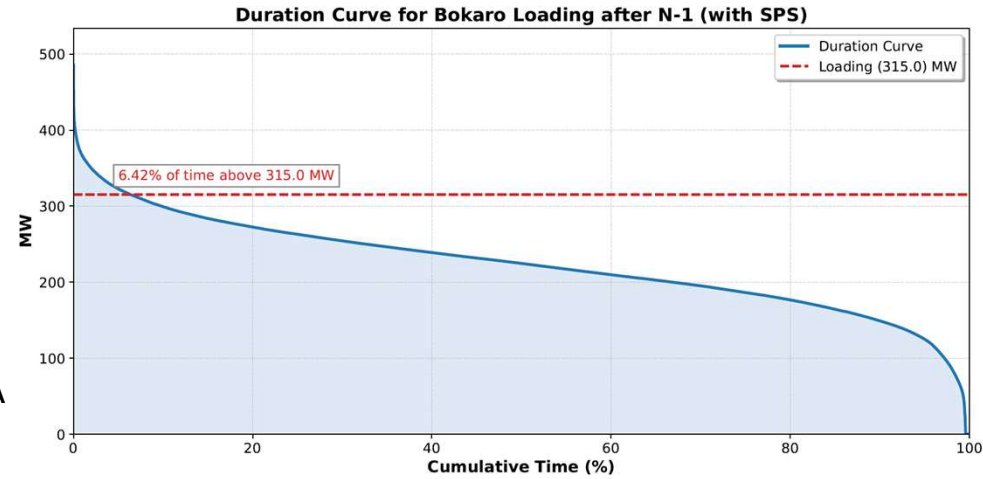
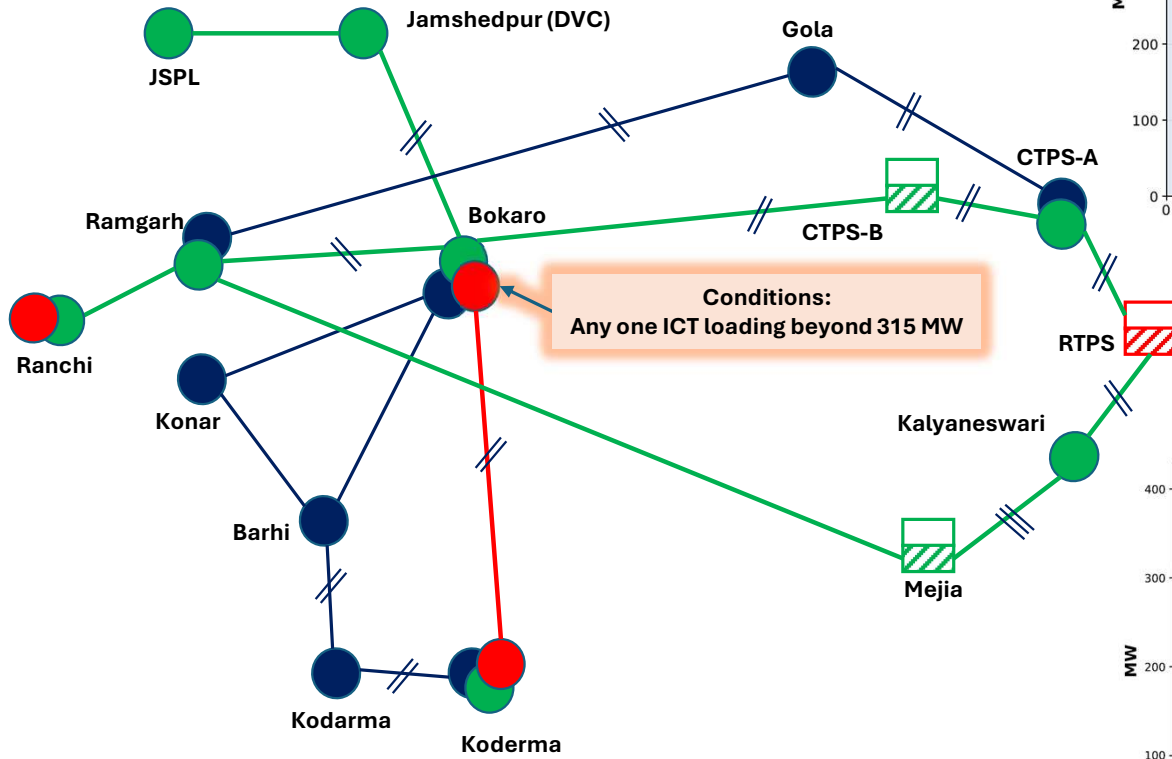
Present Network Arrangement near Bokaro

- 47% sensitivity of one 400/220kV Bokaro ICT on the other.
- N-1 violation limit:
 - 214 MW each ICT (considering 315 MW)
 - 204 MW each ICT (considering 299 MW, 0.95 pf)
- N-1 violation of Bokaro ICT:
 - ~14% of the total time in a year (highest: 31% in March 2025).



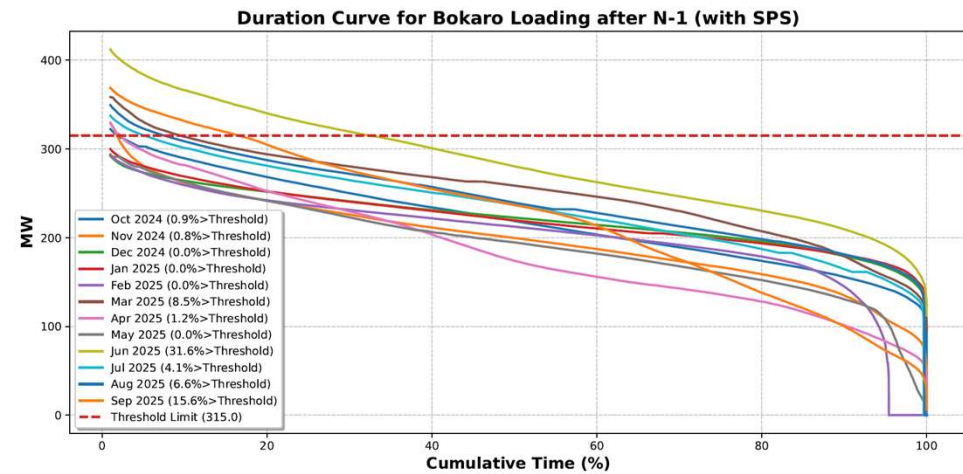
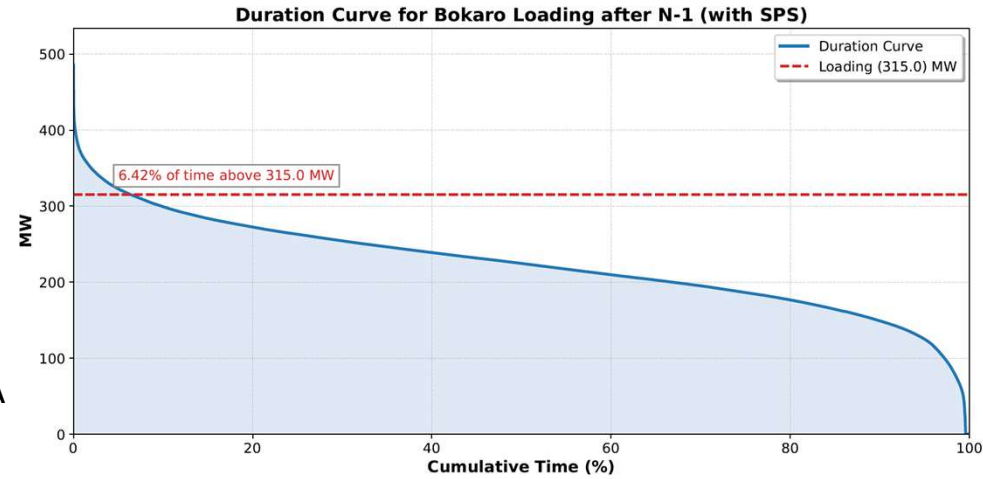
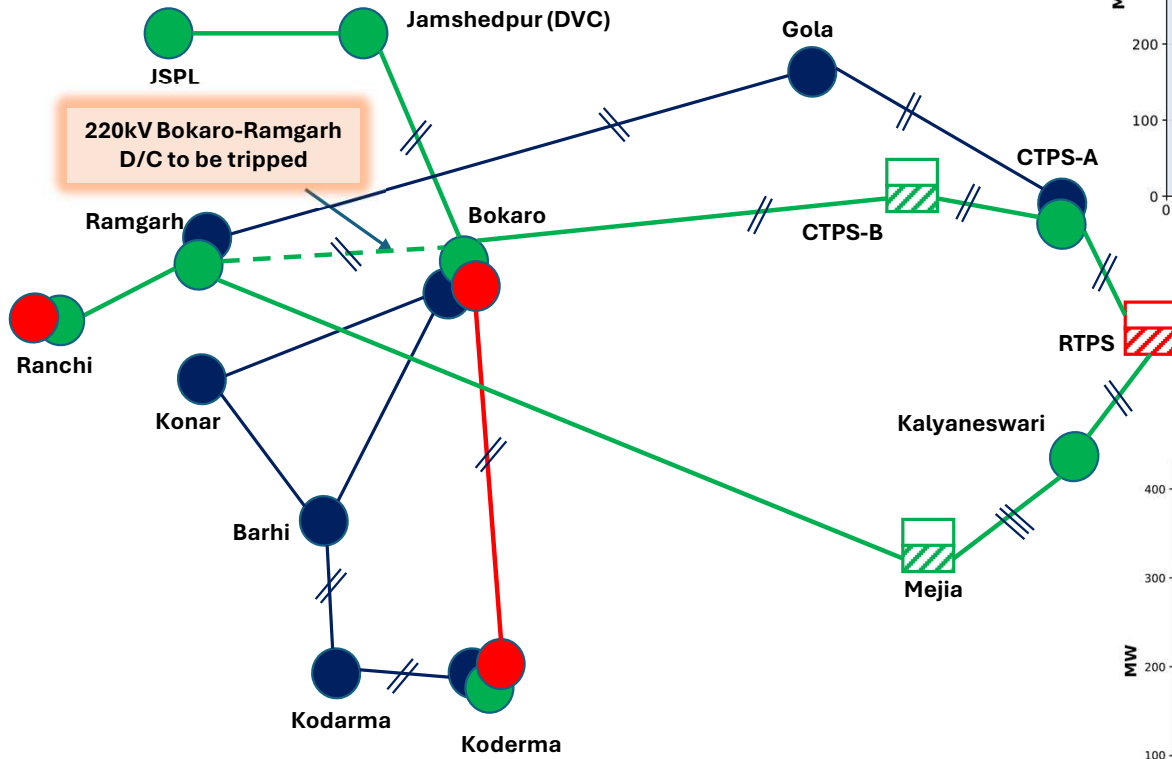
SPS of Bokaro ICT

- 220kV Bokaro-Ramgarh D/C will trip if one 400/220kV Bokaro ICT loading goes beyond 315 MW.



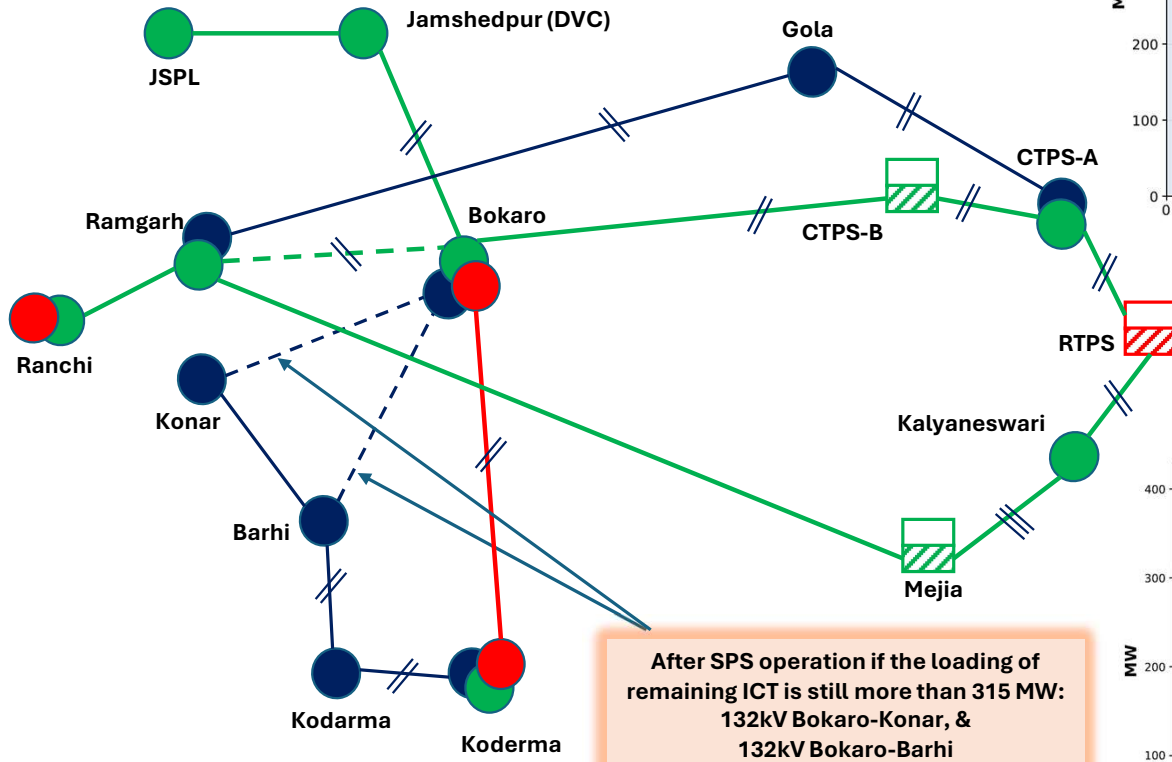
SPS of Bokaro ICT: Phase-I

- 220kV Bokaro-Ramgarh D/C will trip if one 400/220kV Bokaro ICT loading goes beyond 315 MW.

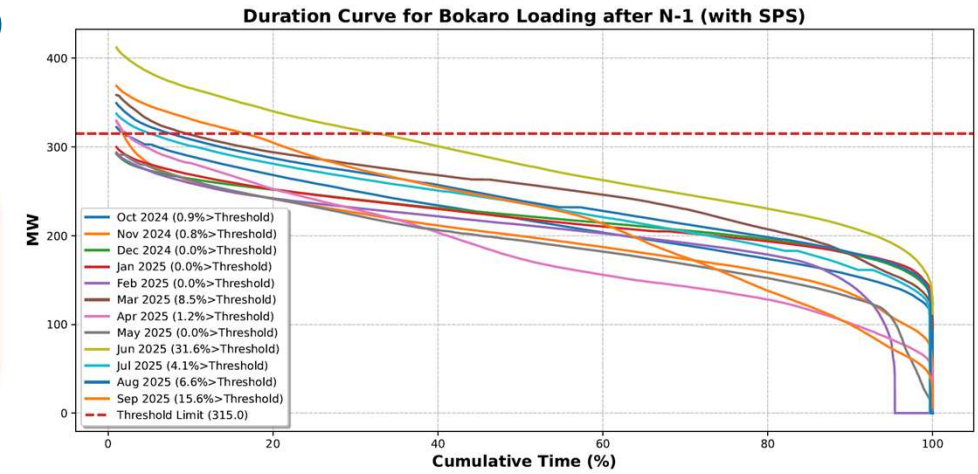
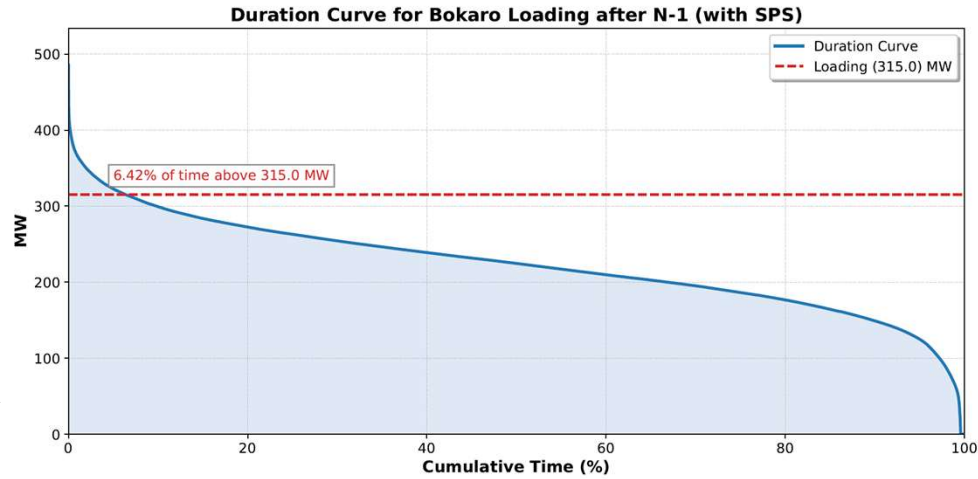


SPS of Bokaro ICT: Phase-II

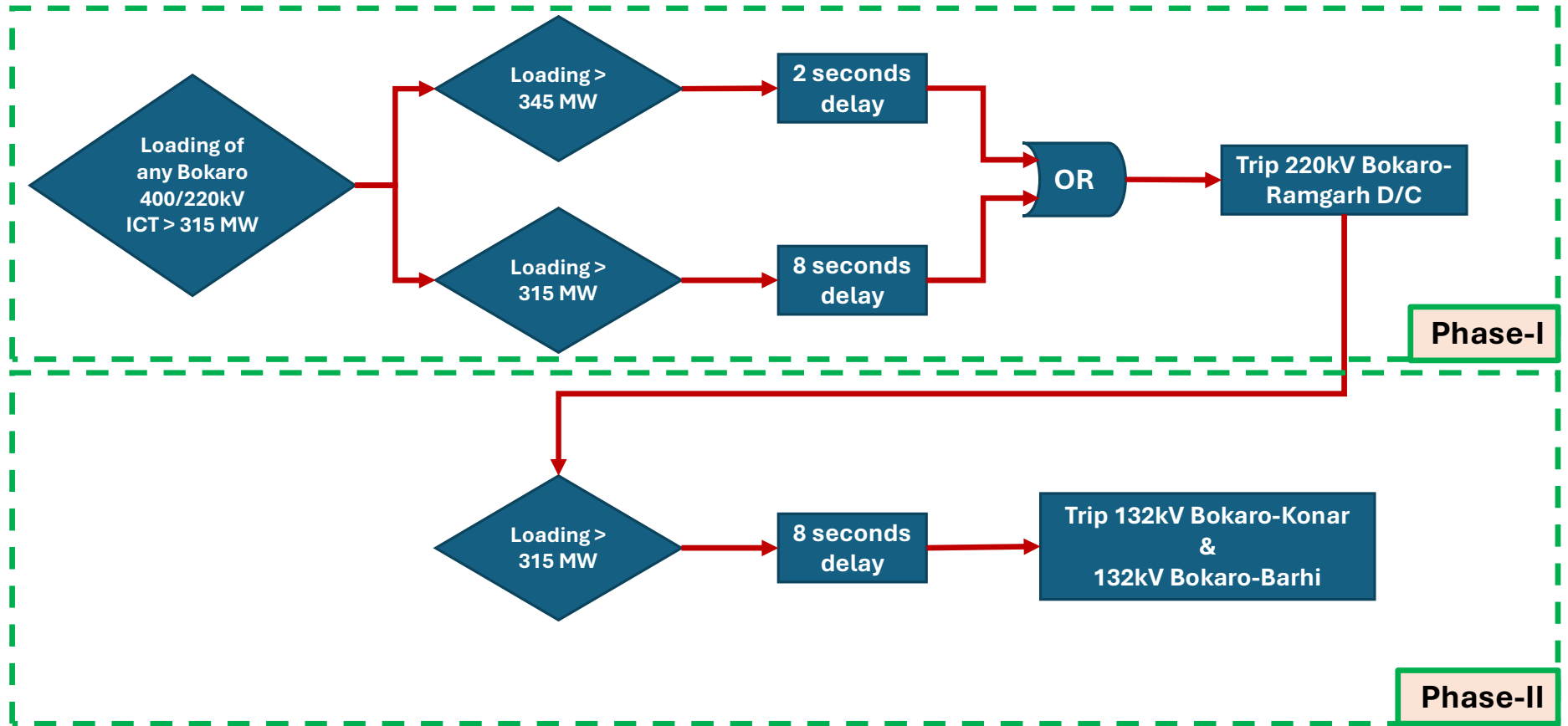
- 132kV Bokaro-Konar & 132kV Bokaro-Barhi may be tripped to reduce the loading.



After SPS operation if the loading of remaining ICT is still more than 315 MW: 132kV Bokaro-Konar, & 132kV Bokaro-Barhi may be tripped to reduce the loading



SPS Logic



**Phase-II: to be implemented by DVC, considering Koderma ICT availability*

Bokaro SPS

Summary

1. Condition for SPS operation:

1. One ICT trips
2. Other ICT loading beyond 300 MW

2. Phase-I of SPS:

- 220kV Bokaro-Ramgarh D/C will trip.

3. Phase-II of SPS:

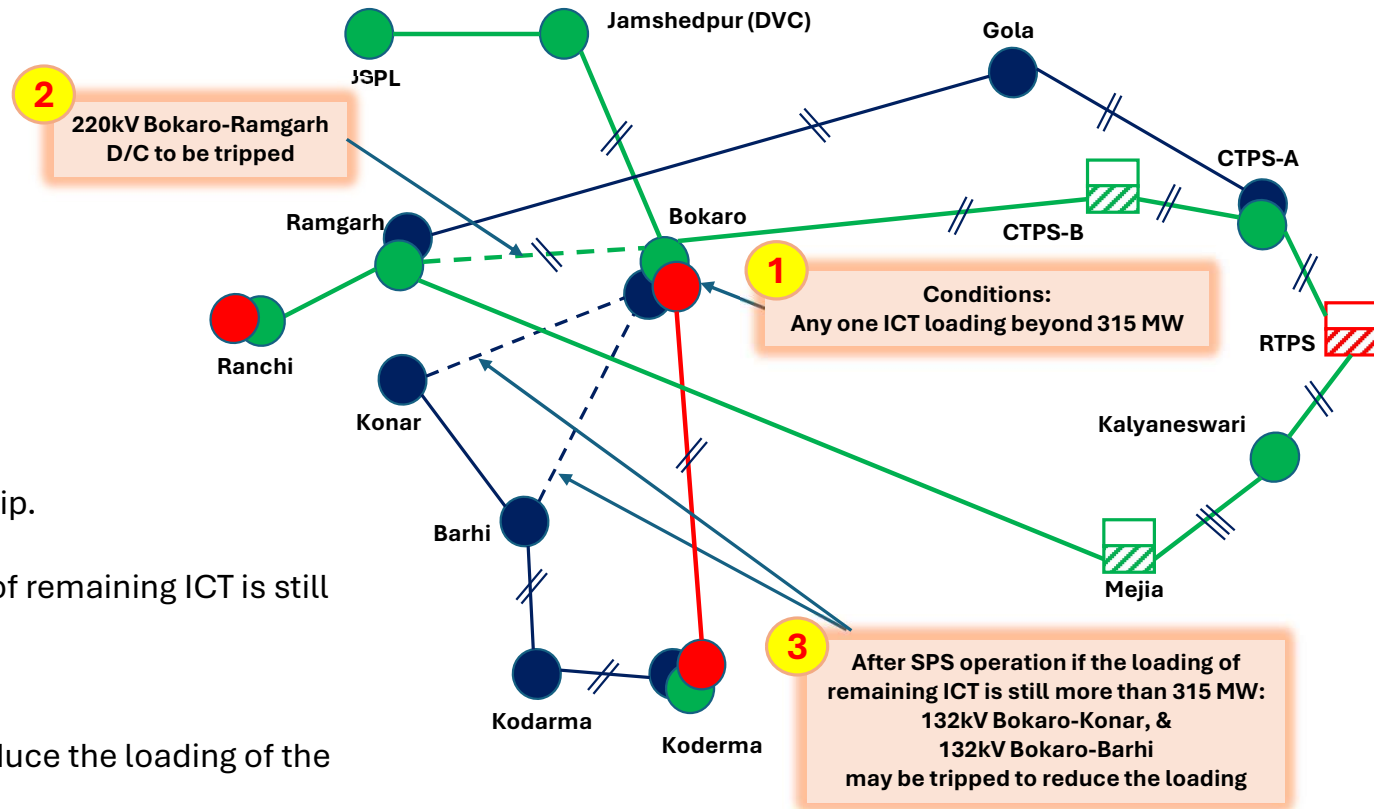
- After SPS operation if the loading of remaining ICT is still more than 315 MW:

- 132kV Bokaro-Konar, &
- 132kV Bokaro-Barhi

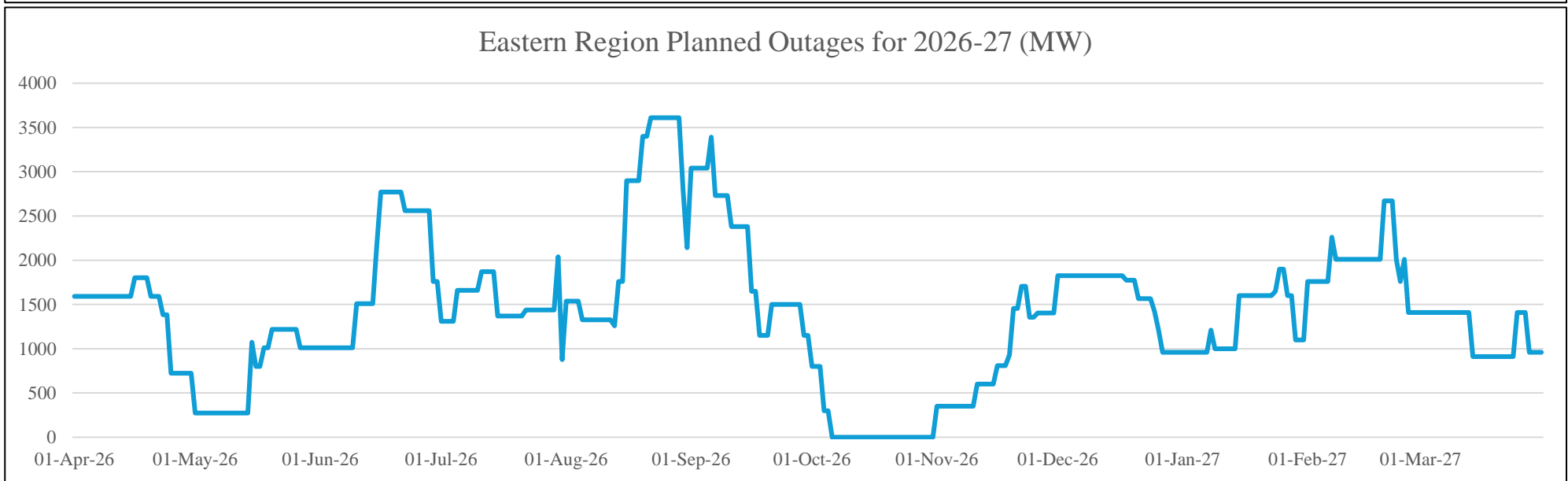
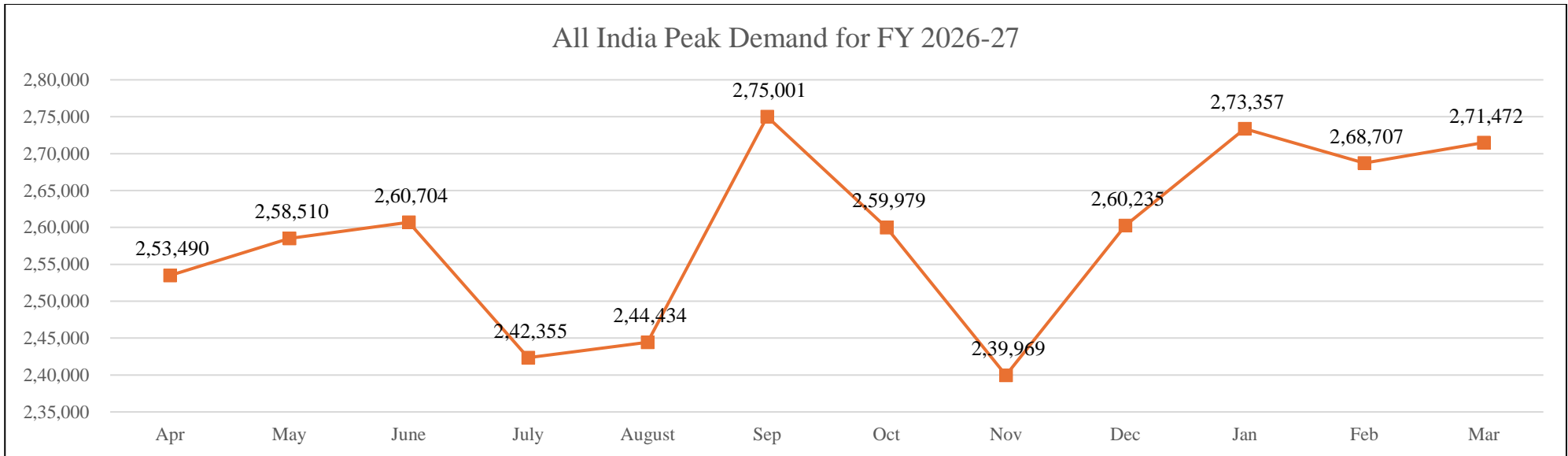
- may be tripped to reduce the loading of the

remaining ICT.

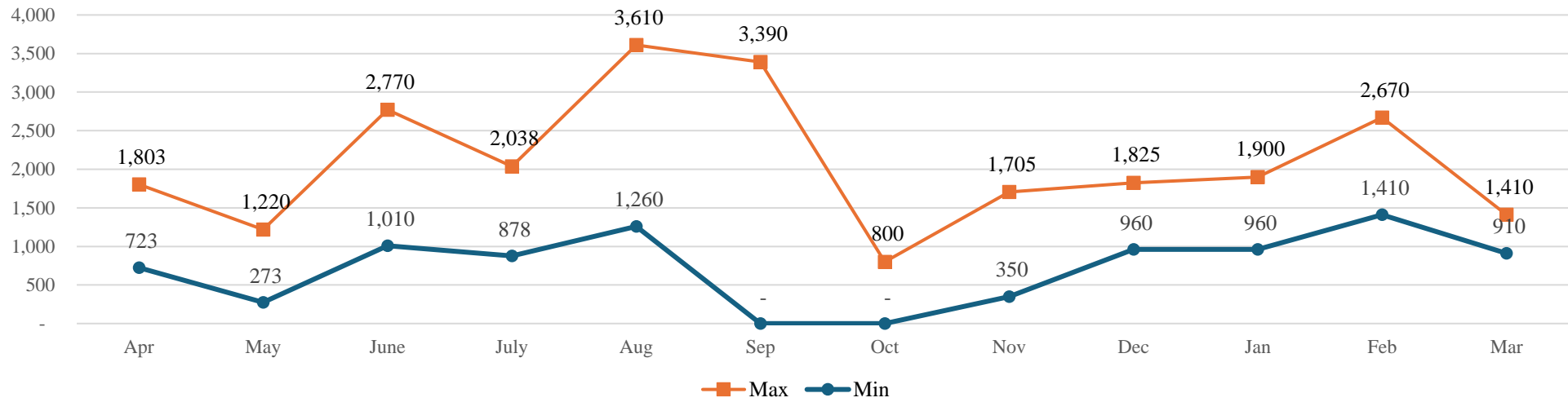
- Phase-II of the SPS may be considered for manual action till implementation.



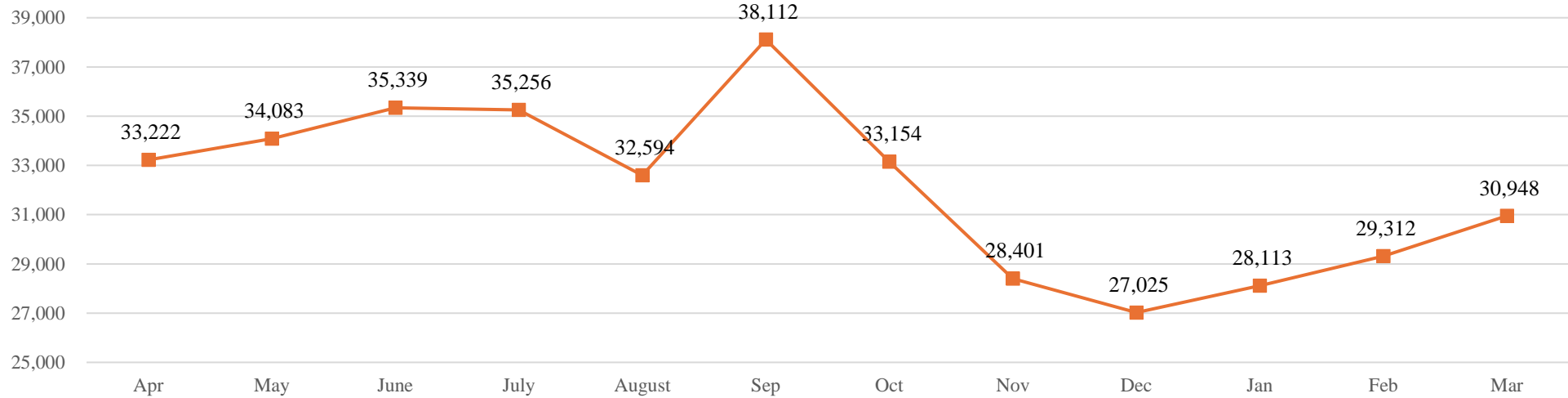
Annexure B.2.3



Maximum and Minimum Planned Outages (MW) during the Month



Eastern Region Peak Demand (MW) for FY 2026-27



Conference of Power Ministers of Eastern Region States & UTs

Venue: Taj City Centre, Patna

Date: Friday, the 24th June, 2025

Time: 11:00- 14:00 Hrs.

Subject: Minutes of the Conference of Power Ministers of Eastern Region States & UTs

A conference was held under the Chairmanship of Shri Manohar Lal, Hon'ble Minister of Power, Housing and Urban Affairs, Govt. of India.

The list of participants is at **Annexure-I**

1. Address by Secretary (Power), Gol:

Secretary (Power) extended a warm welcome to the distinguished participants of the Conference and urged for collective deliberation on specific challenges in the power sector and to explore potential solutions.

2. Address by the Union Minister of Power and Housing & Urban Affairs:

Hon'ble Union Minister of Power mentioned that India's power system has evolved into a unified national grid, fulfilling the vision of 'One Nation-One Grid' and underlined the importance of a future-ready, modern, and financially viable power sector to fuel the country's growth. Hon'ble Union Minister highlighted that we successfully met a peak demand of 250 GW in May 2024 and now peak demand shortage is zero. This reflects India's transformation from power deficient to power sufficient nation. Hon'ble Union Minister outlined the importance of continuous cooperation and coordination between Central and the State Governments in achieving the goal of Viksit Bharat by 2047 and further remarked that such regional conferences would help in identifying specific challenges and possible solutions.

Hon'ble Minister laid emphasis on ensuring Resource Adequacy and necessary power generation capacity tie-ups, and urged the States to work towards '**Power for All, at All Times**'

Hon'ble Minister mentioned that the States should work towards resolving the issues faced in development of the Inter State and Intra-State transmission projects, including RoW issues.

Hon'ble Minister remarked that States should promote renewable energy coupled with storage solutions so as to ensure reliability of supply of power. Hon'ble Minister highlighted that India is moving towards having increased share of non-fossil energy in total installed capacity and the same has increased from 32% in 2014 to 49% in May 2025. States were advised for implementation of Renewable Consumption Obligations (RCO).

Hon'ble Minister highlighted the importance of cyber security measures and Islanding Schemes as the effective measures to prevent power outage owing to cyber concerns and enable resilience of grid.

The Union Minister of Power mentioned that the distribution sector is most critical link in the power sector value chain. However, it faces challenges due to poor tariff structures, sub-optimal billing and collection, and delayed payments of Government department dues and subsidies. It is essential to reduce the AT&C losses and the gap between Average Cost of Supply and Average Revenue Realised. States were urged to engage with the Electricity Regulatory Commissions (ERCs) for cost-reflective tariffs and timely issuance of tariff and true-up orders.

The Union Minister of Power emphasized that distribution utilities should further strive to improve efficiency by expediting infrastructure and smart metering works under RDSS. The Smart meters have huge potential in transforming the way consumers interact with Utilities using the data analytics based on AI/ML tools. It can help consumers derive benefits using features inbuilt into smart meter application.

3. Discussion on Agenda items:

Agenda 1:

Resource Adequacy- Capacity tie-up for upto 2030:

Shri Ghanshyam Prasad, Chairperson, CEA, informed that Resource Adequacy (RA) studies have been completed up to the year 2033-34 for all Eastern Region States, and up to 2034-35 for West Bengal and the Andaman & Nicobar Islands. States are required to contract additional generation capacities as per their RA Study. He also advised States to form dedicated teams and encourage them to visit CEA during the validation of their respective RA studies.

(Action: All States/UTs)

Bihar: It was informed that Bihar has already tied up 1200 MW of solar power and is in discussions with SECI to procure additional solar capacity and also exploring capacity tie up for hydro, PSP and nuclear.

Jharkhand: It was informed that Jharkhand has procured 100 MW of solar power through SECI and is planning to tie up an additional 700 MW of solar capacity over the next three years.

Hon'ble Minister of Power raised concerns regarding the lack of DRE capacity in the State and asked State to expedite implementation of the PM Surya Ghar: Muft Bijli Yojana.

(Action: Jharkhand)

West Bengal: It was informed that steps are being taken to diversify the energy mix, including the tie-up of 112.5 MW through a solar park, additional 100 MW in the second phase, and development of 1000 MW of pumped storage capacity in the coming years.

Odisha: It was informed that Odisha is planning 3 Green transmission corridors to evacuate RE based power.

(Action: Odisha)

Andaman & Nicobar: It was informed that Andaman & Nicobar Islands are mainly dependent on diesel based power to meet the peak demand and Energy requirement.

Hon'ble Minister of Power suggested to explore greening of electricity supply. UT informed the challenges, and further apprised that the tender document for 20 MW solar capacity has been sent to CEA and additional 100 MW of solar capacity is also envisaged in the UT.

(Action: Andaman& Nicobar/CEA)

Agenda 2:

Intra- State Transmission (InSTS) Projects- Capacity tie-up for upto 2030:

A brief overview of the Eastern Region Transmission System was presented. Slow progress of Intra-State transmission lines in West Bengal, Jharkhand & Odisha was discussed. The Issues of inadequate reactive power management and high loading of Transformers & certain critical transmission lines were highlighted.

Hon'ble Minister of Power urged States to adopt the recent guidelines of MoP on RoW which incorporates market-based valuation of land to address the issue of compensation.

(Action: Govt. of Odisha/ Bihar/ Jharkhand/ West Bengal)

Issue of forest clearance for 400 kV Patratu-Latehar transmission line in Jharkhand was also discussed. It was decided that the Patratu-Latehar line shall be executed expeditiously by POWERGRID in close coordination with State Govt. of Jharkhand and JUSNL.

(Action: Govt. of Jharkhand, POWERGRID, JUSNL)

Bihar, Jharkhand and West Bengal were requested to complete the process for Resource Adequacy on priority. State Transmission Utilities (STUs) were urged to complete the Intra -State Transmission system (InSTS) planning till 2035 and

complete the award of projects envisaged in FY 28 on priority. Bihar, Jharkhand and West Bengal were asked to submit the proposals under GEC III on priority.

(Action: Govt. of Bihar/ Jharkhand/ West Bengal)

States were urged to explore financing options such as Tariff Based Competitive Bidding (TBCB), central budget support of 50 years interest free loan of Rs. 1.5 lakh crore, Investment Infrastructure Trust (InvIT), listing of State utilities and financing from multilateral agencies (World Bank, ADB etc.).

(Action: Govt. of Odisha/ Bihar/ Jharkhand/ West Bengal)

Agenda 3:

A. Preparedness on Cybersecurity Aspects:

Chief Information Security Officer (CISO), MoP presented the cybersecurity posture of power sector entities in the Eastern Region, highlighting identified gaps and advising corrective actions.

- i. The Union Minister of Power emphasized the urgency of adopting standardized cybersecurity protocols across the power sector, in view of evolving geopolitical challenges and urged States/UT to formulate a centralized mechanism for streamlined tracking of cybersecurity audits. To strengthen national cyber resilience, Hon'ble Minister of Power advised regular regional training programmes and workshops to equip personnel against emerging cyber threats.

(Action: all States/ UTs)

- ii. Following action points emerged during the discussion:
 - a. A mechanism for centralized monitoring of cyber audit status of power sector entities across the country may be developed.

(Action: CISO-MoP)

b. A standardized architecture of SOC for DISCOMs may be developed.

(Action: CISO-MoP)

c. CISO, MoP to conduct region level workshops and training programmes for addressing cyber security preparedness.

(Action: CISO-MoP)

B. Islanding Schemes in Power Sector:

- i. The role of Islanding Schemes was reviewed in the context of grid resilience and blackout mitigation, especially under high-demand stress or contingencies.
- ii. As per CEA Grid Standards (2010) and IEGC 2023, Regional Power Committees (RPCs) are mandated to formulate, review, and ensure implementation of islanding schemes.
- iii. **The Eastern Region** presently has five operational schemes: CESC Kolkata (West Bengal), Bakreswar (West Bengal), Howrah Bandel (West Bengal), Haldia Tata Power (West Bengal), Chandrapura Thermal Power Station (DVC). Patna (Bihar) islanding scheme is under implementation.
- iv. These schemes are typically built around embedded generation sources (thermal, hydro, nuclear) and are programmed to activate automatically upon sensing frequency dips or high RoCoF (Rate of Change of Frequency).
- v. Key directions and recommendations:
 - Periodic relay testing must be conducted for AUFLS, df/dt , and islanding protections.
 - Simulation-based testing should be performed regularly; field testing may be considered, if operationally feasible.
 - **Embedded generation forming part of islanding schemes shall be maintained in operational state, including during off-merit dispatch. Suitable compensation mechanisms are to be developed in consultation with SERCs/CERC.**
 - States must ensure real-time telemetry and monitoring systems for seamless visibility during grid-connected and islanded operation modes.

(Action: all States/ UT)

C. Emergency Restoration of Transmission System:

Chairperson, CEA stated that Immediate and temporary restoration of transmission networks is possible by deploying the Emergency Restoration System. As per Central Electricity Authority (Grid Standards) Regulations 2010, each transmission licensee shall have an arrangement for restoration of transmission lines of 400 kV and above and strategic 220 kV lines through the use of Emergency Restoration System in order to minimize the outage time of the transmission lines in case of tower failures. All Regional Power Committees (RPCs) have been instructed to sensitize their transmission utilities to maintain adequate number of ERS sets in their transmission networks for immediate restoration of power supply.

(Action: all States/ UT)

Agenda 4:

Financial viability of DISCOMs:

A detailed presentation covering financial performance of distribution utilities and status of Revamped Distribution Sector Scheme (RDSS) implementation was made. The presentation covered issues related to viability of distribution utilities, the status of AT&C losses, ACS-ARR Gap, outstanding debt and accumulated losses, payment of subsidy and Government department dues, disallowances of expenses in tariff orders, progress of works sanctioned under RDSS and issues related to connection for EV charging Station for the States/ UT of Eastern Region along with way forward.

The deliberations held during the meeting are as follows:

- i. All States/ UT should make efforts to reduce the AT&C losses, enhance operational efficiency and financial viability of the utilities. Jharkhand and A&N Islands to work on reducing the Gap.

(Action: All States/ UT)

- ii. Pending Government department dues for FY25 to be released to the utilities for all States (except Odisha).

(Action: All States/ UT except Odisha)

- iii. States/ utilities to complete installation of pre-paid smart meters in all Government departments, colonies, and residences of public representatives and Govt employees by August' 25. Mechanism to be established for timely release of recharge amount for government connections through adequate provisioning in budget. Also, smart meters to be installed for all Commercial and Industrial consumers by Nov 2025.

(Action: All States/ UT)

- iv. States of Odisha and West Bengal to issue regulations for automatic pass through of Fuel and Power Purchase Cost (FPPCA).

(Action: Odisha and West Bengal)

- v. A&N Islands to coordinate with the Regulatory Commission for early issuance of tariff order for FY26.

(Action: A&N Islands)

- vi. States to analyse and take up the matter of disallowances in tariff petition with their respective Electricity Regulatory Commissions (ERCs). Cost Reflective tariff to be ensured in order to improve viability of the distribution utilities. States may provide tariff subsidy to consumers, if so desired.

(Action: All States/ UT)

- vii. In line with the Tariff policy, A&N Islands and Odisha to engage with ERCs for fixation of minimum tariff not lower than 50% of Average Cost of Supply for any consumer category/ sub category.

(Action: A&N Islands and Odisha)

- viii. States should make efforts to expedite infrastructure and smart metering works under RDSS. States of Bihar and West Bengal and UT of A&N Islands to ensure award of 100% of loss reduction and smart metering works by August 2025. It was deliberated that smart metering progress is linked with the grant disbursement under loss reduction works and delay in smart metering may affect release of grants under RDSS.

(Action: All States/ UT)

- ix. States to work towards listing of power sector utilities to generate resources, reduce dependence on Government funding and improve accountability and corporate governance. In light of improvement across various parameters, States

of Bihar and Odisha may consider listing power utilities. West Bengal to also explore.

(Action: All States/ UT)

- x. States to take benefit of scheme announced in the Union budget of FY26 for 50 years interest free loan up to Rs 1.5 lakh crore to strengthen power infrastructure.

(Action: All States/ UT)

- xi. States should also push utilities and AMISPs for AI/ML based smart meter data analytics.

(Action: All States/ UT)

4. Address by Union Minister of State of Power: Hon'ble Union Minister of State for Power and New & Renewable Energy asked for urgently executing PM-KUSUM works and for signing up PPAs for the same by December 2025. He also emphasized on the need for accelerated implementation of the PM Surya Ghar: Muft Bijli Yojana. He further assured States that the Central Government is actively working on suggestions and feedback received from the States in this regard. States/UT were urged to fast-track the capacity tie-ups and accelerate the implementation of RDSS.

5. Concluding Address of the Union Power Minister: Hon'ble Minister of Power assured States for continuous support of the Central Government to further strengthen the power sector. Hon'ble Minister urged the States to explore the feasibility of setting up at least one nuclear power plant in each State. It was emphasised that the pre-paid smart meter is a way for timely realisation of Government dues. The Union Minister advised the States to further deliberate on the issues emerged during the discussion and reach out to Ministry of Power for any support.

The meeting ended with a Vote of thanks to the Chair and the participants.

Conference of Power Ministers Eastern Region States & UTs

List of Participants

Ministry of Power, Government of India

1. Sh. Manohar Lal, Hon'ble Minister of Power & Housing and Urban Affairs,
Chairman
2. Sh. Shripad Yesso Naik, Hon'ble Minister of State for Power
3. Sh. Pankaj Agarwal, Secretary, Power
4. Sh. Ghanshyam Prasad, Chairperson, CEA
5. Sh. Srikant Nagulapalli, Addl. Secretary, Power
6. Sh. Akash Tripathi, Addl. Secretary, Power
7. Sh. Ravi Prakash Pradhan, CISO, CEA
8. Sh. Ajay Kumar Agrawal, Director
9. Sh. Om Kant Shukla, Director
10. Sh. Manish Mishra, Director
11. Sh. Praveen Kumar Dudeja, Director
12. Sh. Divyanshu Jha, Dy. Secretary, MNRE
13. Sh. Rahul Kumar, Dy. Director, CEA

Department of Energy, Government of Bihar

1. Sh. Brijendra Prasad Yadav, Hon'ble Energy, Planning & Development Minister
2. Sh. Manoj Kumar Singh, Secretary Energy
3. Sh. Rahul Kumar, MD, North Bihar Power Distribution Company Limited
4. Sh. Mahendra Kumar, MD, South Bihar Power Distribution Company Limited
5. Sh. Murtaza Helal, Chief Engineer (PMC), BSPHCL
6. Sh. S K P Singh, Advisor, BSPHCL

Department of Energy, Government of Jharkhand

1. Sh. Sudivya Kumar, Hon'ble Urban Development & Housing Minister
2. Sh. Kamleshwar Kant Verma, MD, JUSNL

Department of Energy, Government of Odisha

1. Sh. Kanak Vardhan Singh Deo, Hon'ble Deputy Chief Minister, Agriculture & R.E., Energy
2. Sh. Vishal Kumar Dev, Principal Secretary, Energy Department
3. Sh. Bhaskar Jyoti Sarma, Principal Secretary, S & YS Department, CMD (OPTCL)

Department of Power, Government of West Bengal

1. Sh. Rajib Bedajna, AGM (F&A), Corporate Budget & Accounts, WBSEDCL
2. Sh. R.N. Sinha, Chief Engineer, PTP
3. Sh. Partha Pratim Mukherjee, Director, Projects
4. Sh. Asit Kr Maiti, Director, Projects

Electricity Department, Government of A&N

1. Smt. Madhuri Shukla, Superintending Engineer, Technical
2. Sh. P Subbaraj, Assistant Engineer, IT

CPSEs

REC

1. Sh. Jitendra Srivastava, CMD
2. Sh. Rahul Dwivedi, Executive Director

DVC

1. Sh. S Suresh Kumar, Chairman

Power Grid

1. Sh. Arindam Sensarma, ED, ER-1

Grid India

1. Sh. Samir Chandra Saxena, CMD
2. Sh. Rajiv Kumar Porwal, Director, System Operation

PFC

1. Sh. Manoj Sharma, Director, Commercial
2. Sh. Saurav Kumar Shah, ED

CTUIL

1. Sh. Ashok Pal, COO
2. Smt. Manju Gupta, Dy COO

NTPC

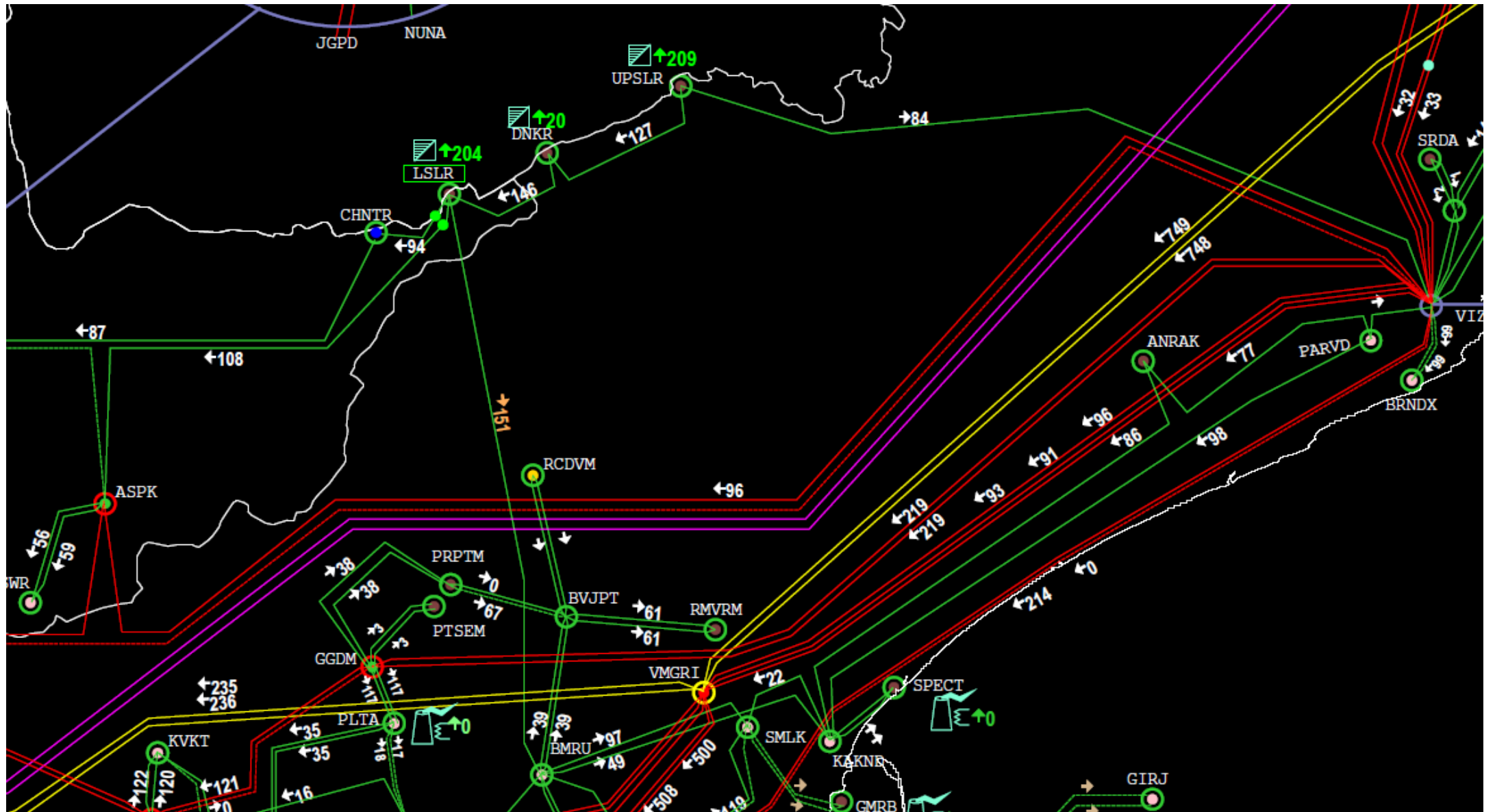
1. Sh. K S Sundaram, Director, Projects
2. Sh. Sudip Nag, RED, ER-1

SJVNL

1. Sh. Vikas Sharma, CEO, Buxar Thermal Plant

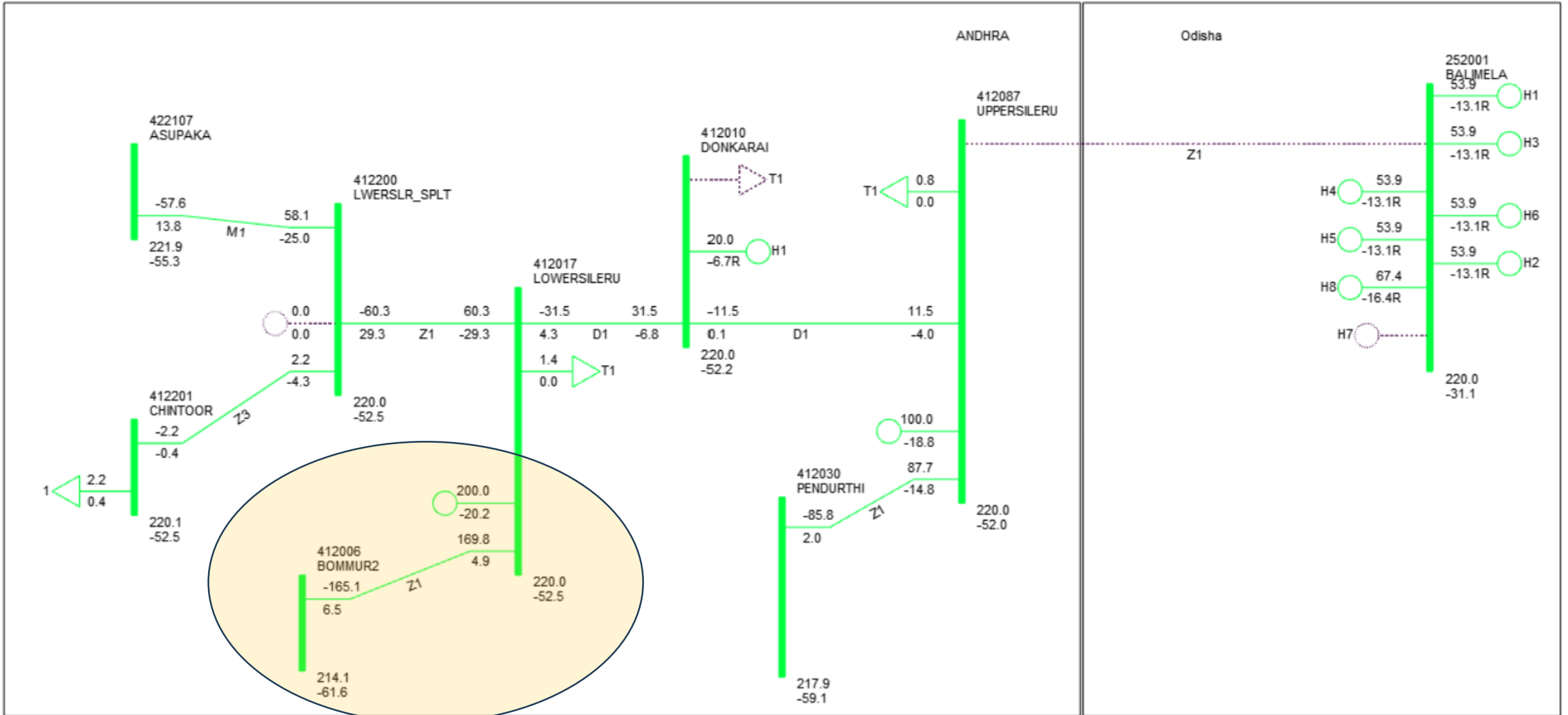
Effect of Closing 220kV Upper Sileru-Balimela s/c

Network Diagram



Simulation Studies (Evening Peak Scenario)

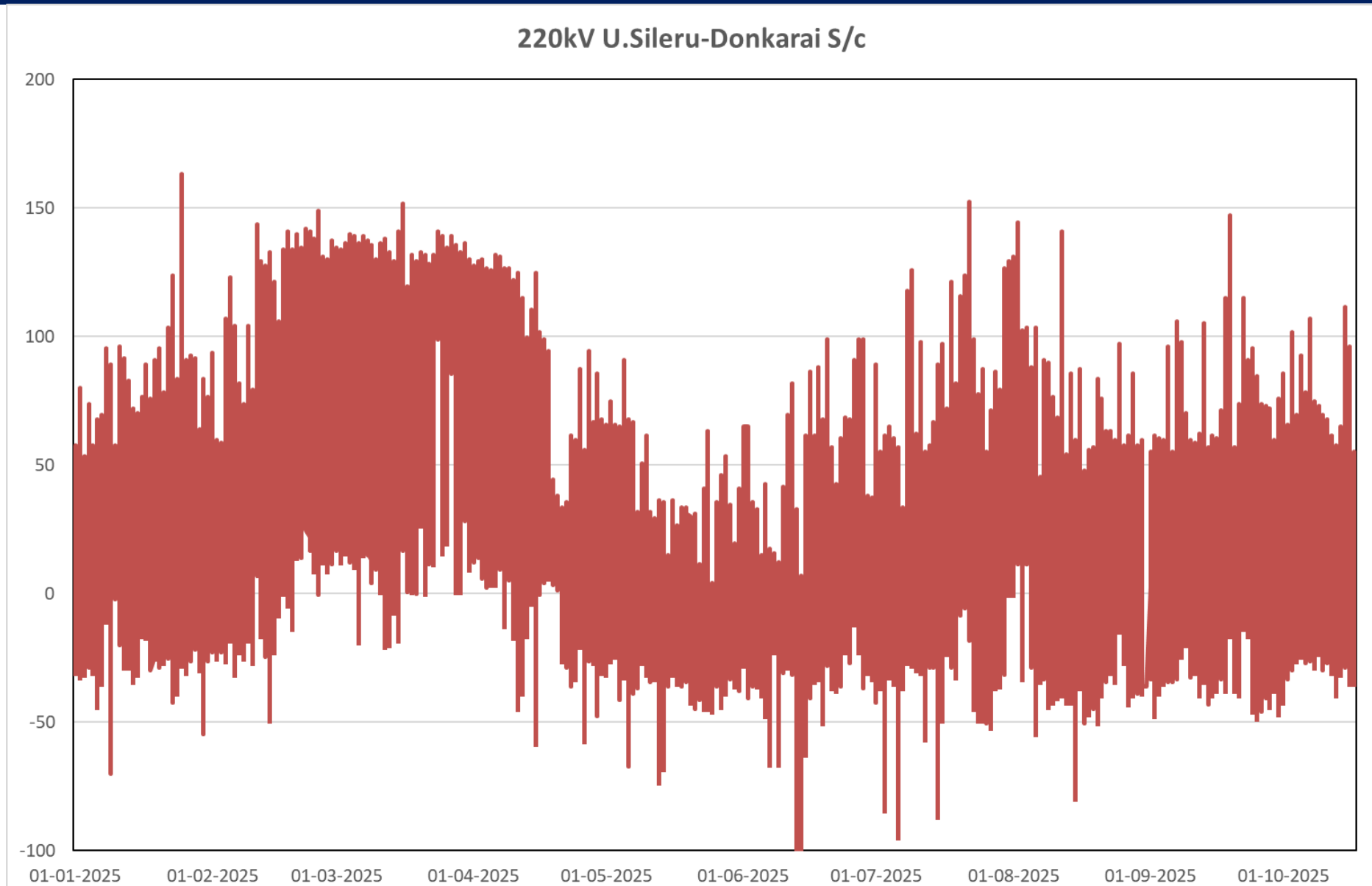
- Basecase Snapshot is shown below:



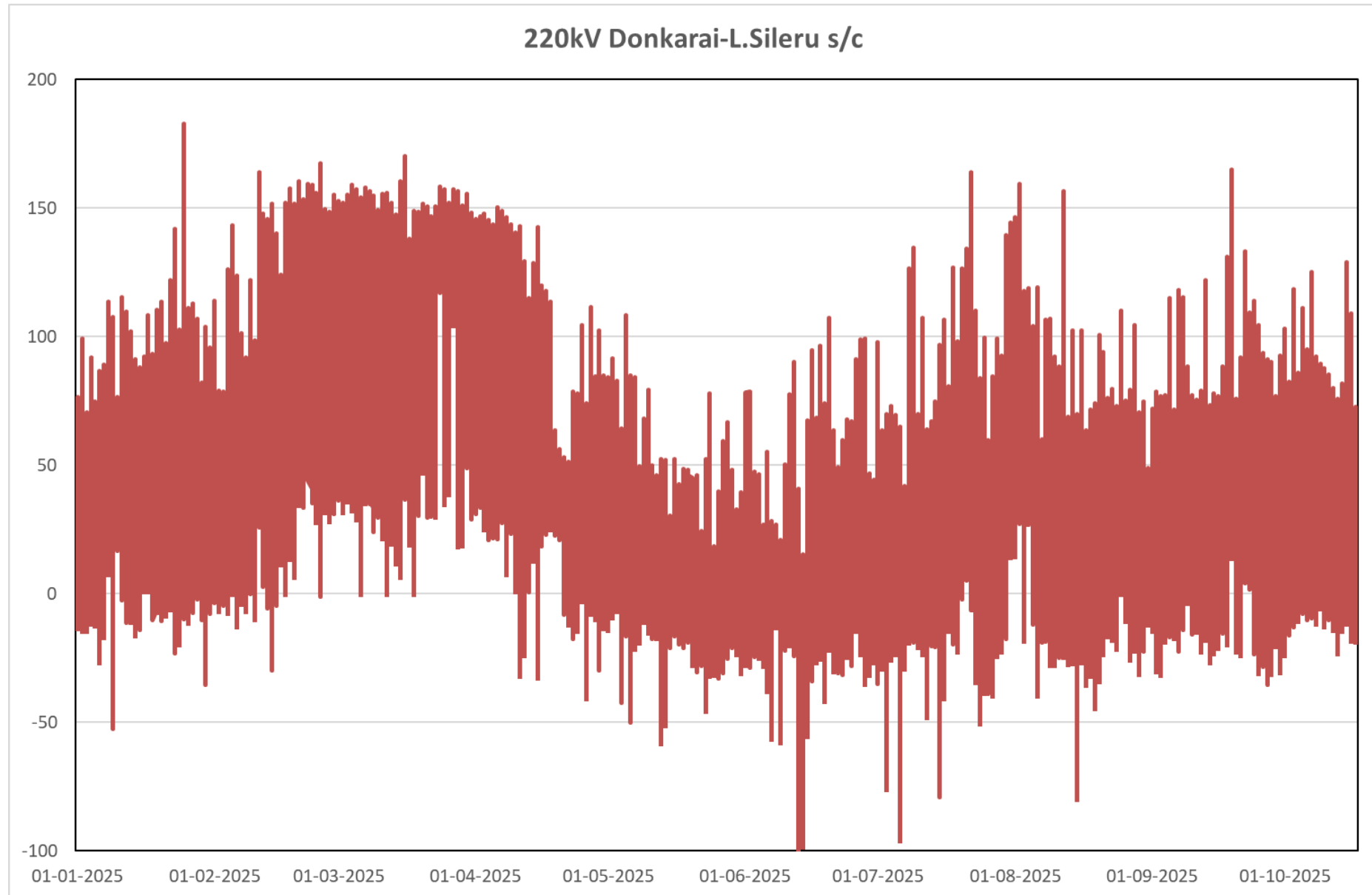
Basecase Observations

- Generation in Sileru Complex
 - U.Sileru (IC – 240 MW): 100 MW
 - Donkarai (IC – 25 MW): 20 MW
 - L.Sileru (IC – 460 MW): 200 MW
- With the above generation, Overloading observed on 220kV L.Sileru-Boomuru s/c line.
- If higher generation is taken at Upper Sileru, loading on 220kV L.Sileru-Boomuru s/c would further increase

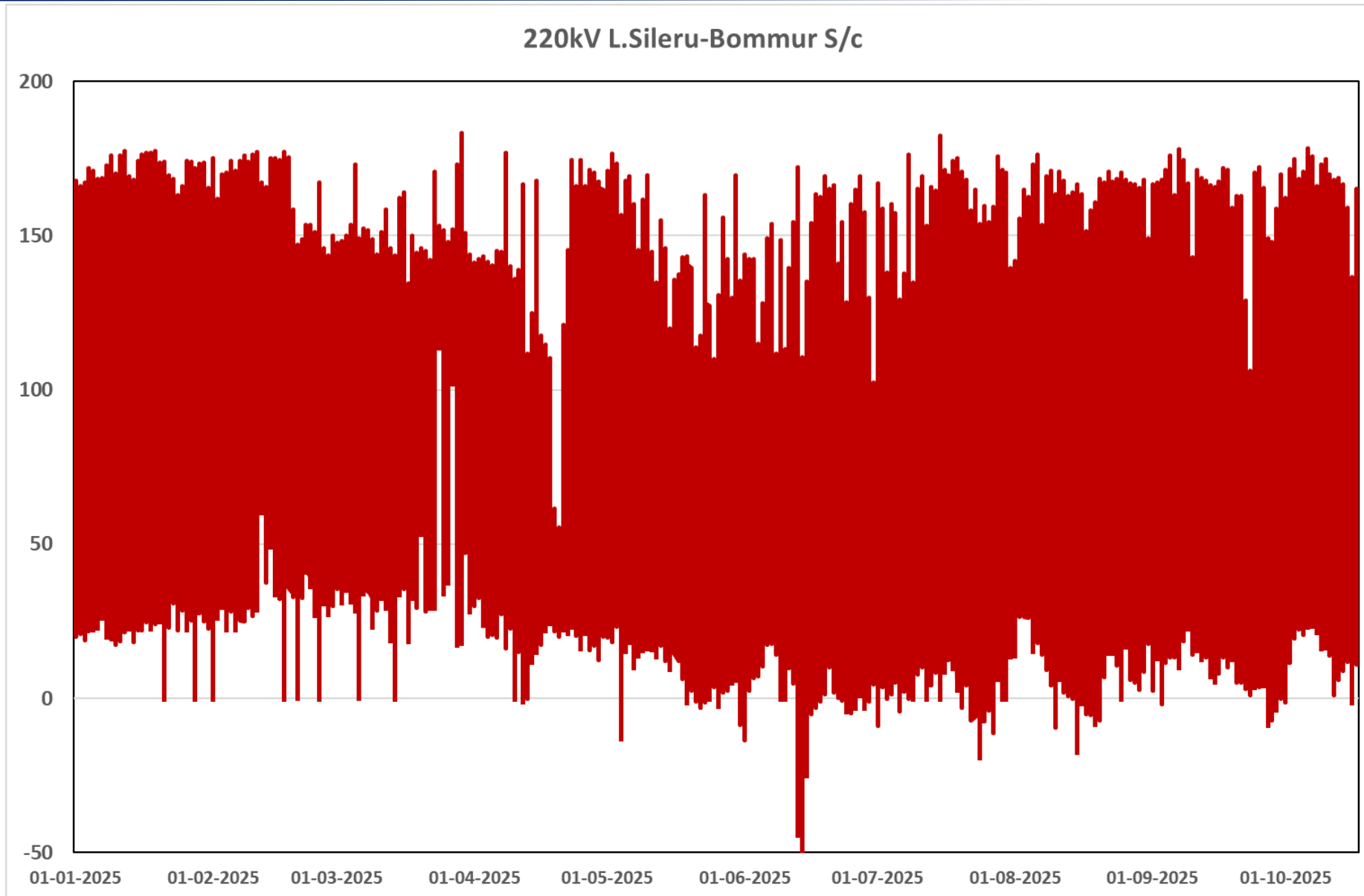
Flow on 220kV Upper Sileru-Donkarai S/c



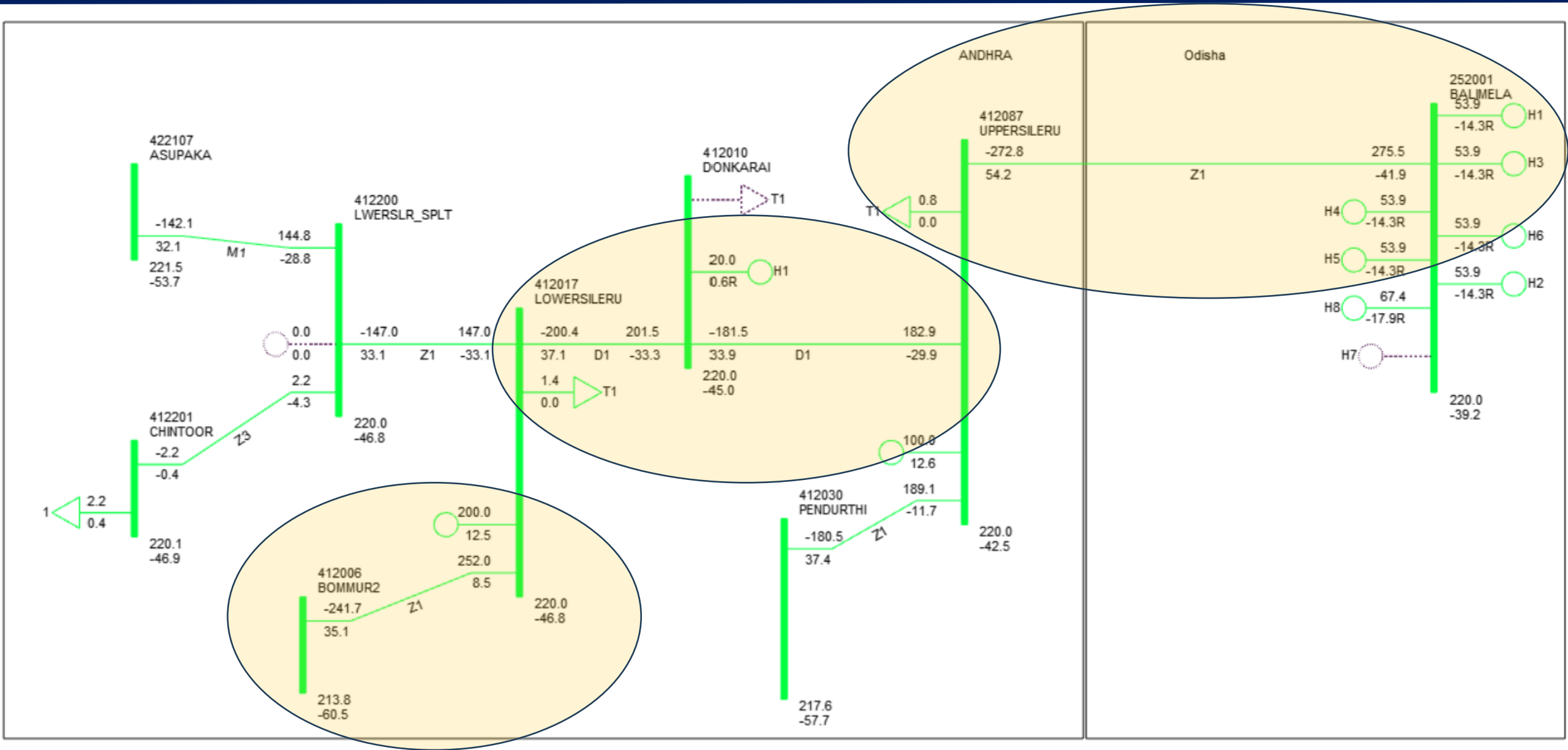
Flow on 220kV Donkarai-Lower Sileru S/c



Flow on 220kV Lower Sileru-Bommur S/c



Case-1: Closing of 220kV U.Sileru-Balimela line



Case-1: Closing of 220kV U.Sileru-Balimela line

- Closing the 220kV U.Sileru-Balimela line may cause overloading of the following lines
 - 220kV U.Sileru-Donkarai S/c
 - 220kV U.Sileru-Pendurthi S/c
 - 220kV Donkarai-L.Sileru S/c
 - 220kV L.Sileru-Bommuru S/c
- If higher generation is considered at Upper Sileru is considered, the loading on 220kV lines emanating from L.Sileru would further increase

Recommendations

- It is recommended to operate the 220 kV Upper Sileru–Balimela single circuit line in **radial mode** with the following options:
 - **Option 1:** Split the bus at Balimela and keep one or two generating units in service to inject power radially into SR/AP, depending on the 220 kV line loadings in the Sileru complex.
 - **Option 2:** The radial load in AP may be supplied through the 220 kV Upper Sileru–Balimela single circuit line.



Plant Office:
AT/PO: Kamalanga, PS: Kantabania,
VIA: Meramundali,
DIST: Dhenkanal - 759 121, Odisha
CIN U40101KA2007PLC044809
T +91 6762 663564
W www.gmrgroup.in

Ref: GKEL/ERLDC/25-26/8718

Date: 26.06.2025

The Director
Eastern Regional Load Despatch Centre,
14, Golf Club Road, Tollygunge,
Kolkata -700 033

**Sub: Availing Construction power for construction of Unit#4 from own generation
M/s GMR Kamalanga Energy Limited-Reg.**

Dear Sir,

This is with reference to the captioned subject.

We would like to inform you that GMR Kamalanga (GKEL) has received "in principle" approval for installation of 1400 MW approval from High Level Clearance Authority of Odisha (document attached).

As you are aware, out of 1400 MW (4x350 MW), three (3) units (3x350 MW) have been operational since FY13-14 and supplying power to its beneficiaries successfully for more than 10 years now.

Completion of construction and commissioning of the balance 350 MW capacity (4th Unit) had to be halted mid-way due to various reasons beyond the control of GKEL.

GKEL is now planning to take up the project again and complete the construction of Unit-4. subject to inter alia, receiving all necessary clearances from various govt. authorities in a timely manner and PPA tie up for a major part of the unit capacity. Subject to the same, we estimate commercial operation to be achieved during FY27-28.

Balance of Plant was designed and constructed to meet the requirements of all four (4) Units. The detail list of system along with its construction status is attached for your ready reference.

GKEL has about 67 MW of surplus power available for merchant sale.

In this regard, GKEL desires to meets its construction power requirement to the extent of 1.5 MW phased over a period of 30 Months for construction, erection, testing and commissioning of Unit#4

Therefore, we would request you to kindly grant permission for use of 1.5 MW during construction for commissioning out of the available quantum for Merchant sale.

Thanking you,

Yours Truly,
For **GMR Kamalanga Energy Limited**

Manoj Kumar Mishra
Plant Head



ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)



[formerly Power System Operation Corporation Limited (POSOCO)]

पूर्वी क्षेत्रीय भार प्रेषण केन्द्र / Eastern Regional Load Despatch Centre

कार्यालय : 14, गोल्फ क्लब रोड, टॉलिंगंज, कोलकाता - 700033

Office : 14, Golf Club Road, Tollygunge, Kolkata - 700033

CIN : U40105DL2009GOI188682, Website : www.erldc.in, Tel.: 033 23890060/0061

संदर्भ : पू.क्षे.भा.प्रे.के./एम.ओ/2025-26/ 613

दिनांक : 21.10.2025

सेवा में / To,

The Executive Director,
NTPC Barh Super Thermal Power Project, Barh
DIST. PATNA,
BIHAR-803215

विषय: एनटीपीसी बाढ़ स्टेज-1 द्वारा अत्यंत कम रैम्प दर की घोषणा के संबंध में।

Subject: Regarding declaration of very low ramp rate by NTPC Barh Stage-I.

महोदय / Sir,

This is to bring to your attention that NTPC Barh Stage-I has been declaring very low ramp rates, around 10 MW per 15-minute block per Unit (approximately 0.1% per minute), since 27.09.2025. Such declaration is significantly below the minimum ramp rate of 1% per minute as stipulated under Clause 45.9.a(i) of the IEGC, 2023, which mandates that coal-based thermal generating stations shall declare ramp rates not less than 1% of ex-bus capacity corresponding to MCR on-bar per minute.

It may be noted that the issue of reduced ramp rate declaration by NTPC Barh Stage-I was deliberated in the 220th OCC meeting of ERPC (Agenda no. 2.9), wherein NTPC had informed that achieving a 1% ramp rate is not practically feasible due to design constraints and that a petition had been filed before CERC for revising the ramp rate to 0.3%. The OCC had noted that the matter is sub-judice and advised NTPC to update ERPC/ERLDC upon issuance of any order by CERC. The relevant extract of the Minutes of the 220th OCC Meeting of ERPC is enclosed as Annexure-I for reference.

However, the present declaration of ramp rate by Barh Stage-I, being as low as 0.1% per minute, is much lower than even the rate mentioned in pending petition as mentioned by NTPC in the OCC meeting. Such declaration has not only been affecting availability of upward and downward ramp reserves required for maintaining grid security but also resulting in distorted schedules and difficulties for beneficiaries in managing their drawal portfolio. As an example, the Schedule vs Requisition data for Bihar for date 19th Oct. 2025 is enclosed as Annexure-II, illustrating significant deviations between schedule and requisition due to the reduced ramp capability of Barh Stage-I.

पंजीकृत कार्यालय : बी-9, प्रथम तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016

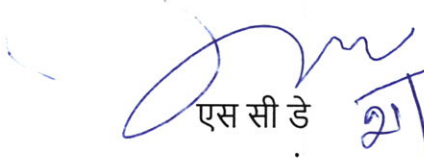
Registered Office : B-9, 1st Floor, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110016

Website : www.grid-india.in

In view of the above, NTPC Barh Stage-I is requested to:

- a) Provide justification for declaring such low ramp rates.
- b) Declare ramp rates in accordance with IEGC 2023 regulations.
- c) Update the current status of the petition filed with the Honorable CERC.

भवदीय / Yours faithfully,


एस सी डे
मुख्य महाप्रबंधक

Copy To:

1. Member Secretary, ERPC
2. Executive Director, NLDC

- OCC advised Powergrid ER-II to closely coordinate with Powergrid Corporate centre so as to expedite tendering process keeping urgent requirement of the ICT at Rajarhat (PG) in consideration.
- OCC advised Powergrid ER-II to adhere to standard timeline of 18 months(as per CEA guidelines) for 3rd ICT commissioning at Rajarhat (PG).

An update of the status of procurement process vs target time to commission may please be discussed and intimated.

West Bengal SLDC may explain and Powergrid ER-II may update. Members may discuss.

Deliberation in the meeting

West Bengal SLDC submitted :

- *Regular monitoring of 3rd ICT commissioning at Rajarhat(PG) that was approved in 21st CMETS-ER, is needed .*
- *If the 3rd ICT doesn't get charged at Rajarhat(PG) by Summer 2026, reliable power supply scenario will get jeopardized.*

Powergrid ER-II updated:

- *The tender floated for procurement of 3rd ICT, as informed in 217th OCC , has been annulled and a fresh tender shall be floated soon.*
- *The new ICT commissioning at Rajarhat(PG) is not possible by March 2025.*
- *Regional spare of 500 MVA ICT is available at Maithon(PG) but the same is not possible for immediate commissioning at Rajarhat(PG) owing to highly challenging transportation process.*

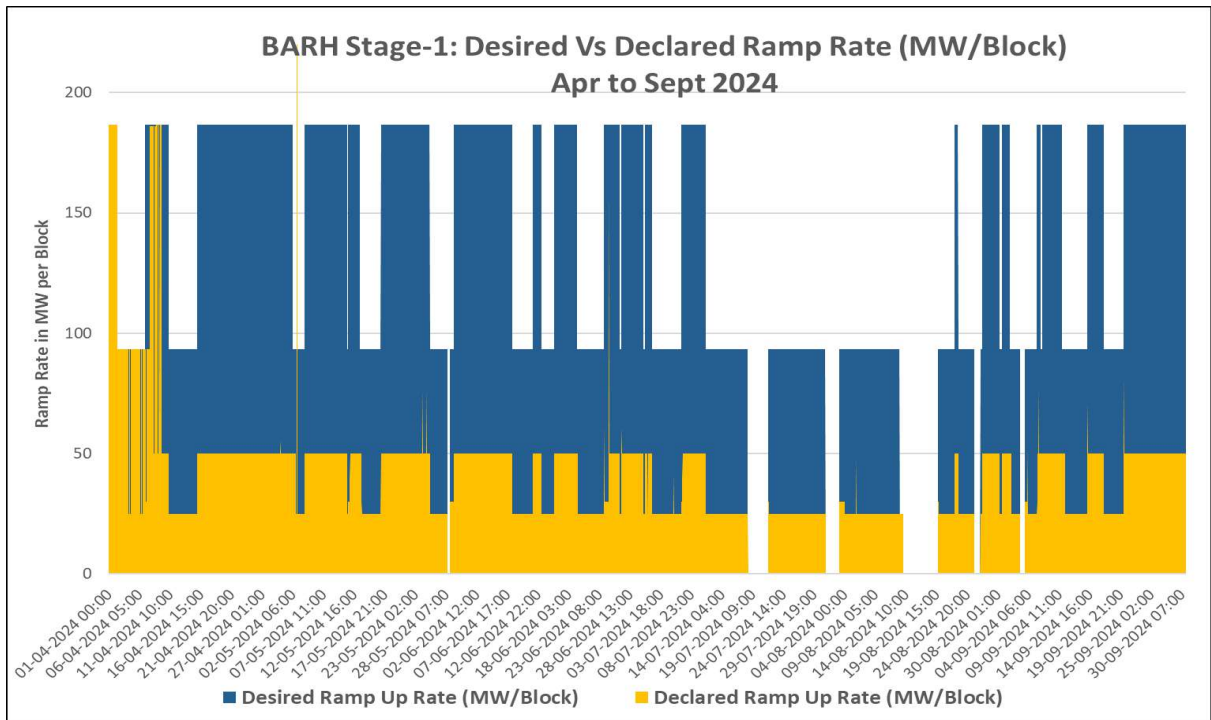
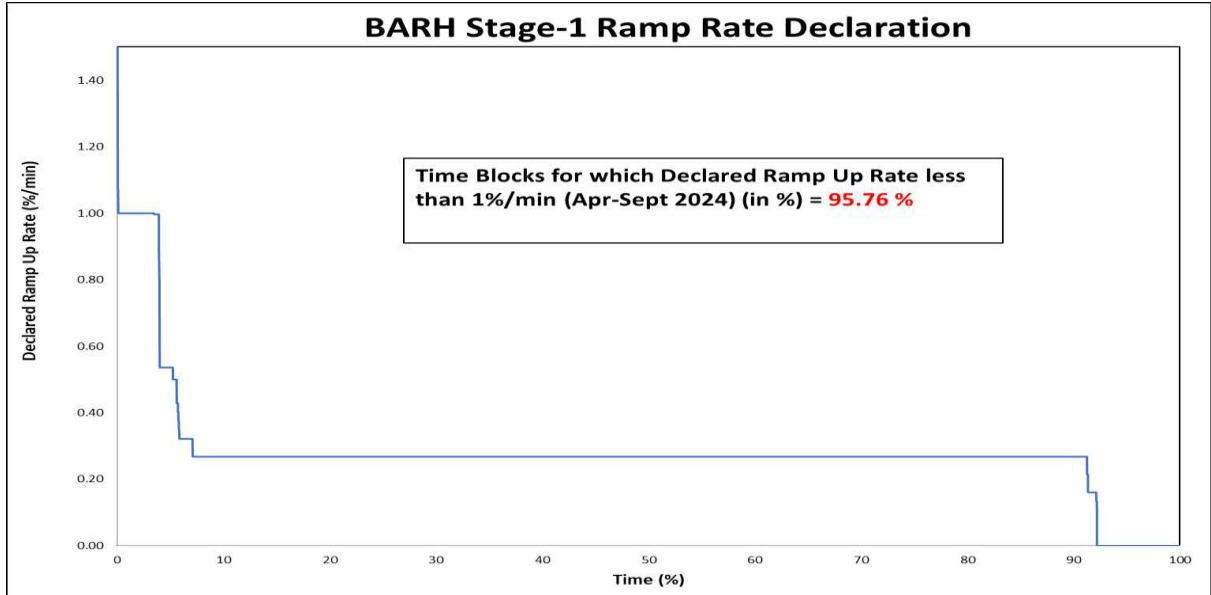
OCC Decision

- *OCC advised Powergrid ER-II to coordinate with Corporate Centre for re-initiating the procurement process of 3rd ICT at Rajarhat (PG) on priority. The 3rd ICT at Rajarhat (PG) must be put to service latest by March 2026 and accordingly planning should be carried out by Powergrid to avoid any instance of grid vulnerability.*
- *OCC advised Powergrid ER-II to plan the procurement and installation process for 3rd ICT commissioning at Rajarhat (PG) adhering to the standard timeline of 18 months (as per CEA guidelines).*
- *OCC also urged West Bengal STU to consider Long term planning of intra-state network of West Bengal in terms of augmentation or expansion(New Lakhikantapur S/S).*

2.9 Reduced declaration of Ramp rate by NTPC Barh stage 1: ERLDC

- As per clause 45.9.a(i) of IEGC 2023, coal fired thermal power plants are required to declare ramp rate of not less than 1% of ex-bus capacity corresponding to MCR on bar per minute. However, it has been observed that Barh stage 1 generating station of NTPC Ltd. has been declaring ramp rate below 1% per minute during 96% of time between April 2024 to September 2024.
- As informed by various beneficiaries of the plant, declaration of reduced ramp rate for multiple number of time blocks results in difficulties in portfolio management by the beneficiaries. They are unable to vary their drawl schedule from Barh stage 1 from one block to the other in their desired rate. This also causes reduction of ramp reserves in the national power system.

- Moreover, as per CERC (Terms and Conditions of Tariff) Regulations, 2024, the rate of return on equity is to be reduced by 0.25% due to failure to achieve the ramp rate as specified under Regulation 45(9) of IEGC Regulations, 2023.
- NTPC Barh Stage 1 is requested to kindly clarify that whether they have any technical constraint due to which they have been reducing declared ramp rates and it is requested to maintain ramp rate of at-least 1% per minute in compliance to IEGC 2023.



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

Deliberation in the meeting

ERLDC stated:

- As the drawl schedule can't be varied from one block to the other at a desired rate, demand portfolio management becomes challenging for beneficiaries in absence of desired ramp rate of the units in a series of time blocks.
- Declaration of reduced ramp rate by NTPC Barh (stg-I) is leading to depleted ramp reserves in the Indian power system.

NTPC submitted :

- Presently around 0.3% ramp rate is possible at Barh stage-I units.
- Achievement of desired ramp rate(1%) is not practically feasible at Barh stage-I owing to design constraints of the units i.e inadequate boiler response and design limitations of the generator.
- A petition has been filed before CERC for revising the ramp rate to 0.3%.

OCC Decision

- OCC noted that the matter is sub-judice and hence advised NTPC to update ERPC/ERLDC on issuance of any order by CERC.

2.10 Status of upcoming Thermal Generation Projects: ERPC

Thermal capacity is imperative due to escalating load demands mainly during non-solar hours. The year ahead LGB planning will be done shortly for FY 2025-26 to prepare for the upcoming summer season. The status of upcoming generating units is crucial for proper LGB planning & ensuring resource adequacy. These thermal power plants need to ensure their timely completion and integration into the grid for the upcoming demand surge.

The available status for units is as follows:

Unit Name	Status as per 52 nd TCC Meeting	Current Status (15.10.24)	Deliberation required
Barh U-3	COD by Q4 of 2024-25	Start-up power drawing w.e.f 30 th Apr 24	• Status of unit commissioning.
North Karanpura U-3	COD by Q4 of 2024-25	Startup power drawing from 16th Oct 24	• Status of unit commissioning.
Patratu	COD by Q4 of 2024-25	–	• Status of unit commissioning and development of Captive coal mines
Buxar TPP(SJVN) U-1	Unit#1 is likely to be synchronized by December, 2024 & Unit#2 to be synchronized by April 2025	Start-up power drawing from Naubatpur (BSPTCL)	• Status of 400kV & 220kV evacuation path • Status of unit commissioning.
IBUEL U-2	• To be commissioned by Jun 24 • DTL to be tentatively completed by Sept 24.	• Unit 2 is ready for synchronization. • SPS implementation pending. • DTL to be tentatively completed by Nov 24.	• Status of DTL

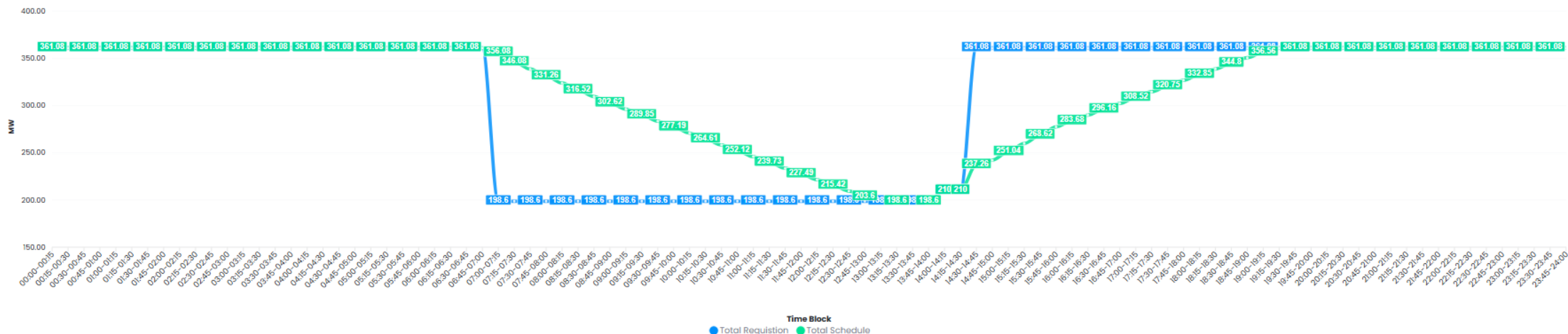
Date*
 Seller Region
 Seller

Buyer Region
 Buyer
 Schedule Revision No

Published Time:

Tabular View Graphical View

Requisition vs Schedule





ANNEXURE B.2.16

सन्दर्भ सं: पूर्वी क्षेत्र-II/कोल/डोकों/ सी-वन

दिनांक: 20.09.2025

व्यवसायिक प्रचालन तिथि अधिसूचना

NOTIFICATION OF DOCO

यह सूचित किया जाता है कि निम्नलिखित परिसम्पतियों को "Procurement of Transformer and Reactor as per ERPC & WRPC recommendations" एवं केंद्रीय विद्युत विनियामक आयोग नियमावली 2024 खंड-5 के अंतर्गत दिनांक 20.09.2025 से व्यवसायिक प्रचालन के लिए शामिल किया गया है:

संपत्ति का नाम:

ईआर-II के रंगपो सबस्टेशन में 1 नंबर 400/220KV 105MVA सिंगल फेज ऑटो ट्रांसफार्मर - जो वर्तमान में ER-II के सिलीगुड़ी सबस्टेशन पर तैयार किया गया है

उपरोक्त परिसंपत्तियों के ट्रांसमिशन शुल्क 20.09.2025 से देय हैं।

This is for notification that the following asset under "Procurement of Transformer and Reactor as per ERPC & WRPC recommendations" has been put under Commercial Operation w.e.f. 00:00 Hrs of 20.09.2025 in terms of Clause-5 of CERC (Terms & Conditions of Tariff) Regulations 2024.

Name of the elements:

1 no.400/220KV 105MVA Single phase Auto Transformer at Rangpo S/S of ER-II – presently has been made ready at Siliguri substation of ER-II

Transmission charges of the above assets are payable w.e.f. 20.09.2025.


20/09/2025

(अशोक कुमार नायक)

मुख्य महाप्रबंधक (प्रभारी-पूर्वी क्षेत्र-II)

Contd.... Pg-2

सन्दर्भ सं: पूर्वी क्षेत्र-II/कोल/डोकॉ/ सी-वन

दिनांक: 20.09.2025

प्रतिलिपि : विनम्र सूचना के लिए:

1. The Member Secretary,
Eastern Region Power Committee
14, Golf Club Road, Tollygunj, Kolkata-700033
2. Executive Director,
Grid Controller of India Ltd
14, Golf Club Road, Tollygunj, Kolkata-700033.
3. Chairman
Damodar Valley Corporation,
DVC Tower, VIP Road, Kolkata-700054
4. Chairman & Managing Director
West Bengal State Electricity Distribution Co. Limited,
DJ block, Vidyut Bhawan, Salt Lake City, Kolkata-700091
5. Chairman & Managing Director, BSP(H)CL,
Bihar State Power Holding Company Limited,
Vidyut Bhavan, Bailey Road, Patna: 800 001
6. Chairman & Managing Director, Jharkhand Urja Vikash Nigam Ltd.
Engineering Building, HEC Dhurwa. Ranchi-834004.
7. The Chairman and Managing Director,
Grid Corporation of Orissa Limited
Vidyut Bhavan, 4th Floor, Saheed Nagar, Bhubaneswar- 751 007
8. Principal Chief Engineer-cum-Secretary, Energy & Power Dept. Govt. of Sikkim,
Kazi Road, Gangtok - 737101 Sikkim.
9. Managing Director, WBSETCL,
West Bengal State Elect. Transmission Co. Ltd.,
DJ Block, Vidyut Bhavan, Salt Lake City, Kolkata: 700 091
10. COO(CTUIL), Gurgaon

Contd.... Pg-3

सन्दर्भ सं: पूर्वी क्षेत्र-II/कोल/डोकॉ/ सी-वन

दिनांक: 22.07.2025

प्रतिलिपि :

1. ED , Commercial: CC, POWERGRID
2. ED , PMD:CC, POWERGRID
3. ED , AM:CC, POWERGRID
4. CGM(I/C), ER-I, POWERGRID
5. Company Secretary: CC, POWERGRID
6. CGM(AM), ER-II, POWERGRID
7. CGM(Project), ER-II, POWERGRID
8. CGM (F&A),ER-II, POWERGRID
9. CGM (AM,Commercial) ER-I,Patna,POWERGRID

प्रतिलिपि : विनम सूचना के लिए:

Director (Projects)

Director (Operation)