भारत सरकार
Govemment of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति
Eastern Regional Power Committee
14 गोल्फ क्लब रोड,टालीगंज, कोलकाता 700033
14 Golf Club Road, Tollygunj, Kolkata-700033

Tel. No.:033-24239651.24239658 FAX No.:033-24239652. 24239653 Web:www.erpc.gov.in

सं /NO. ERPC/EE/OPERATION/2025/419 दिनांक / DATE: 30.05.2025

सेवा में /To,
संलग्न सूची के अनुसार /As per list enclosed.

विषय : 26 मई 2025 (सोमवार) को ईआरपीसी, कोलकाता में आयोजित 227वीं ओसीसी बैठक का कार्यवृत्त-संबंध में।
Subject: Minutes of 227th OCC Meeting held on 26.05.2025 (Monday) at ERPC, Kolkata -regd.

महोदय महोदया,
Sir(s)/Madam,

कृपया अपनी जानकारी और आवश्यक कार्रवाई के लिए 26 मई 2025 (सोमवार) को ईआरपीसी, कोलकाता में 10:30 बजे आयोजित 227वीं ओसीसी बैठक का कार्यवृत्त आयोजित बैठक के संलग्न कार्यवृत्त देखें। यह ईआरपीसी वेबसाइट (www.erpc.gov.in) पर भी उपलब्ध है।

Please find enclosed Minutes of 227th OCC Meeting held on 26.05.2025 (Monday) physically at ERPC Kolkata at 10:30 hrs for your kind information and necessary action. The same is also available at ERPC website (www.erpc.gov.in).

टिप्पणियाँ, यदि कोई हों, कृपया यथाशीघ्र इस कार्यालय को अग्रेषित करें।
Observations, if any, may please be forwarded to this office at the earliest.

इसे सदस्य सचिव के अनुमोदन से जारी किया जाता है।
This issues with the approval of Member Secretary.

भवदीय /Yours faithfully

30/05/2025

(S.Kejriwal)
SE(Operation)\
एसई (ऑपरेशन)

LIST OF ADDRESSES:

1. CHIEF ENGINEER (TRANS., O&M), BSPTCL, PATNA, (FAX NO. 0612-2504557/2504937)
2. CHIEF ENGINEER (System Operation), BSPTCL, PATNA, (FAX NO. 0612-2504557/2504937)
3. CHIEF ENGINEER, TRANSMISSION (O&M), JUSNL, RANCHI (FAX NO.-0651-2490486/2490863)
4. CHIEF ENGINEER, TVNL, DORANDA, RANCHI - 834102 (FAX NO. 06544-225414)
5. CHIEF LOAD DISPATCHER, SLDC, OPTCL, BHUBANESWAR (FAX NO.0674-2748509)
6. CHIEF GENERAL MANAGER (O&M), OPTCL, BHUBANESWAR
7. SR. GENERAL MANAGER (PP), GRIDCO, JANPATH, BHUBANESWAR (0674-2547180)
8. DIRECTOR (OPERATION), IB TPS, AT/PO BANHARPALI, JHARSUGUDA, (FAX NO. 06645-222225/222230)
9. GENERAL MANAGER, TTPS, TALCHER, (FAX NO. 06760-243212)
10. SR. GENERAL MANAGER (ELECTRICAL), OHPC LTD., BHUBANESWAR, (FAX NO.0674-2542102)
11. CHIEF ENGINEER, CLD, WBSETCL, HOWRAH, (FAX NO. 033-26886232)
12. CHIEF ENGINEER, CENTRAL PLANNING WING, WBSETCL, SALT LAKE (FAX NO.: 033-23591955)
13. CHIEF ENGINEER (PTR), WBSEDCL, SALT LAKE, KOLKATA (FAX:033-23345862)
14. CHIEF GENERAL MANAGER (OS), WBPDCL, KOLKATA-98 (FAX NO. 033-23393286/2335-0516)
15. GM, KOLAGHAT TPS, WBPDCL, KOLAGHAT (FAX NO.03228231280)
16. DGM (OPERATION), DPL, DURGAPUR, (FAX NO. 0343-2555052)
17. GM (SYS OPERATION), CESC, CHOWRINGHEE SQUARE, KOLKATA (FAX NO.033-22253756/22129871)
18. CHIEF ENGINEER, SLDC, DVC, HOWRAH (FAX NO. 033-2688-5094)
19. ADDL.CHIEF ENGINEER, SLDC, POWER DEPT., GOVT. OF SIKKIM, GANGTOK, (FAX NO. 03592-228186/201148/202284)
20. EXECUTIVE DIRECTOR, ERLDC, POSOCO, KOLKATA, (FAX NO. 033-2423-5809)
21. GENERAL MANAGER, FSTPP, NTPC, FARAKKA, (FAX NO. 03512-224214/226085/226124)
22. GENERAL MANAGER , KhSTPP, NTPC, KAHALGAON (FAX NO.06429-226082)
23. GENERAL MANAGER, TSTPP, NTPC, TALCHER, (FAX NO. 06760-249053)
24. GENERAL MANAGER (OS), POWERGRID, ER-II, KOLKATA(Fax no: 033-23572827)
25. GENERAL MANAGER , POWERGRID, ER-I, PATNA, (FAX NO.0612-2531192)
26. GENERAL MANAGER (O&M), POWERGRID, ODISHA PROJECTS, SAHID NAGAR, BHUBANESWAR – 751 007
27. EXECUTIVE DIRECTOR (O&M), NHPC, FARIDABAD (FAX No.:0129-2272413)

28. GENERAL MANAGER, TEESTA –V POWER STATION, NHPC, SINGTAM, EAST SIKKIM (FAX 03592 - 247377)
29. CHIEF ENGINEER, RANGIT POWER STATION, NHPC, P.O. RANGIT NAGAR, SOUTH SIKKIM (FAX NO.03595-259268)
30. SENIOR VICE PRESIDENT, PTC LTD., NBCC TOWERS, 15-BHIKAJI KAMA PLACE, NEW DELHI- 110066 (FAX NO. 011-41659504)
31. PLANT HEAD, ADHUNIK POWER & NATUARAL RESOURCES, JHARKHAND(FAX NO.: 0657-6628440)
32. AGM (OPERATION), MAITHON POWER LTD, DHANBAD (FAX: 08860004758)
33. VICE PRESIDENT(POWER), VEDANTA LIMITED, BHUBANESWAR- 751023 (FAX NO 0674-2302920)
34. CHIEF ELECTRICAL ENGINEER, EASTERN RAILWAY, KOLKATA-700 001 (FAX NO.: 033-22300446)
35. CHIEF ELECTRICAL ENGINEER, SOUTH EASTERN RAILWAY, KOLKATA-43 (FAX: 033-24391566)
36. DEPUTY DIRECTOR, EASTERN RPSO, SALT LAKE, KOLKATA- (FAX NO:033-23217075)
37. GENERAL MANAGER (O&M), NHPC LTD, FARIDABAD, FAX: 0129-2272413
38. ASSOCIATE VICE PRESIDENT, GMR KEL, BHUBANESWAR-751007. (FAX NO: 0674-2572794)
39. GM (SO & COMML), NTPC VVNL, NEW DELHI-110033. Fax:011-24367021
40. SHRI D. P. BHAGAVA, CHIEF CONSULTANT (O&M), TEESTA URJA LIMITED, NEW DELHI-110 001 (FAX:011-46529744)
41. SHRI BRAJESH KUMAR PANDE, PLANT HEAD, JITPL. (FAX:011-26139256-65)
42. DIRECTOR (NPC), CEA, NRPC BUILDING, KATWARIA SARAI, NEW DELHI- 110016
43. VP (OS), HALDIA ENERGY LIMITED, BARIK BHAWAN, KOKATA-700072, FAX: 033-22360955
44. GENERAL MANAGER(O&M),BRBCL,NABINAGAR,BIHAR-824003,FAX-06332- 233026

CC:

Chief Engineer, OPM, CEA	Chief Engineer, NPC, CEA	ASSISTANT SECRETARY,ERPC

पतों की सूची:

1. मुख्य अभियंता (ट्रांस., ओ एंड एम), बीएसपीटीसीएल, पटना, (फैक्स नं. 0612- 2504557/2504937)।
2. मुख्य अभियंता (सिस्टम ऑपरेशन), बीएसपीटीसीएल, पटना, (फैक्स नं. 0612- 2504557/2504937)।
3. मुख्य अभियंता, ट्रांसमिशन (ओ एंड एम), जेयूएसएनएल, रांची (फैक्स नं.-0651- 2490486/2490863)।
4. मुख्य अभियंता, टीवीएनएल, डोरंडा, रांची - 834102 (फैक्स नंबर 06544-225414)
5. मुख्य लोड डिस्पैचर, एसएलडीसी, ओपीटीसीएल, भुवनेश्वर (फैक्स नंबर 0674-2748509)
6. मुख्य महाप्रबंधक (ओ एंड एम), ओपीटीसीएल, भुवनेश्वर
7. एसआर. महाप्रबंधक (पीपी), ग्रिडको, जनपथ, भुवनेश्वर (0674-2547180)
8. निदेशक (संचालन), आईबी टीपीएस, एटी/पीओ बनहरपाली, झारसुगुड़ा, (फैक्स नंबर 06645-222225/222230)
9. महाप्रबंधक, टीटीपीएस, तालचेर, (फैक्स नंबर 06760-243212)
10. एसआर. महाप्रबंधक (विद्युत), ओएचपीसी लिमिटेड, भुवनेश्वर, (फैक्स नंबर 0674-2542102)
11. मुख्य अभियंता, सीएलडी, डब्ल्यूबीएसईटीसीएल, हावड़ा, (फैक्स नंबर 033-26886232)।
12. मुख्य अभियंता, केंद्रीय योजना विंग, डब्ल्यूबीएसईटीसीएल, साल्ट लेक (फैक्स नंबर: 033-23591955);
13. मुख्य अभियंता (पीटीआर), डब्ल्यूबीएसईडीसीएल, साल्ट लेक, कोलकाता (फैक्स:033-23345862)।
14. मुख्य महाप्रबंधक (ओएस), डब्ल्यूबीपीडीसीएल, कोलकाता-98 (फैक्स नंबर 033- 23393286/2335-0516)।
15. जीएम, कोलाघाट टीपीएस, डब्ल्यूबीपीडीसीएल, कोलाघाट (फैक्स नंबर 03228231280)
16. डीजीएम (ऑपरेशंस), डीपीएल, दुर्गापुर, (फैक्स नंबर 0343-2555052)
17. जीएम (एसवाईएस ऑपरेशन), सीईएससी, चौरंगी स्क्वायर, कोलकाता (फैक्स नंबर 033- 22253756/22129871)।
18. मुख्य अभियंता, एसएलडीसी, डीवीसी, हावड़ा (फैक्स नंबर 033-2688-5094)।
19. अपर मुख्य अभियंता, एसएलडीसी, विद्युत विभाग, शासन। सिक्किम, गंगटोक, (फैक्स नंबर 03592-228186/201148/202284)
20. कार्यकारी निदेशक, ईआरएलडीसी, पोसोको, कोलकाता, (फैक्स नंबर 033-2423-5809)
21. महाप्रबंधक, एफएसटीपीपी, एनटीपीसी, फरक्का, (फैक्स नंबर 03512- 224214/226085/226124)
22. महाप्रबंधक, खएसटीपीपी, एनटीपीसी, कहलगांव (फैक्स नंबर 06429-226082)
23. महाप्रबंधक, टीएसटीपीपी, एनटीपीसी, तालचेर, (फैक्स नंबर 06760-249053)
24. महाप्रबंधक (ओएस), पावरग्रिड, ईआर-II, कोलकाता (फैक्स नंबर: 033-23572827)
25. महाप्रबंधक, पावरग्रिड, ईआर-I, पटना, (फैक्स नं.0612-2531192)
26. महाप्रबंधक (ओ एंड एम), पावरग्रिड, ओडिशा प्रोजेक्ट्स, साहिद नगर, भुवनेश्वर - 751 007
27. कार्यकारी निदेशक (ओ एंड एम), एनएचपीसी, फरीदाबाद (फैक्स नंबर:0129-2272413)
28. महाप्रबंधक, तीस्ता-वी पावर स्टेशन, एनएचपीसी, सिंगतम, पूर्वी सिक्किम (फैक्स 03592 - 247377)।
29. मुख्य अभियंता, रंगीत पावर स्टेशन, एनएचपीसी, पी.ओ. रंगीत नगर, दक्षिण सिक्किम (फैक्स नंबर 03595-259268)
30. वरिष्ठ उपाध्यक्ष, पीटीसी लिमिटेड, एनबीसीसी टावर्स, 15-भीकाजी काम प्लेस, नई दिल्ली-110066 (फैक्स नंबर 011-41659504)।
31. प्लांट हेड, आधुनिक पावर एवं नेचुरल रिसोर्सेज, झारखंड (फैक्स नं.: 0657-6628440)।
32. एजीएम (ऑपरेशंस), मैथन पावर लिमिटेड।

Minutes of the 227th OCC Meeting chaired by Member Secretary (ERPC) held on 26.05.2025

Member Secretary, ERPC chaired the 227th OCC Meeting held on 26.05.2025 Meeting. The meeting was attended by senior officers and representatives of ERPC constituents. The list of participants is given at Annex-A.

On welcoming all the participants, Member Secretary, ERPC outlined the performance of ER grid during April, 2025 and highlighted the following points:

- *In April-2025, energy consumption of ER was 17463 MU which is 4.6 % lower than April-2024(18306 MU).*
- *In April-2025, Peak demand met of ER was 30883 MW which is 3.15 % lower than April-2024(31890 MW).*
- *Thermal PLF of ER during April-2025 was 79 % w.r.t All India PLF of 71.5%.*
- *Generating stations whose PLF was more than 90% during April-2025:*

Utility	***Generating station***	***PLF (%)***
WBPDCL	*BAKRESWAR TPS*	*95*
	SANTALDIH TPS	*98*
	BANDEL TPS	*92*
	SAGARDIGHI TPS	*97*
NTPC	*DARLIPALI STPS*	*94*
IPP	*DERANG TPP(JITPL)*	*98*

- *During April-2025, 77.9% of the time, the ER grid frequency was in IEGC Band (49.90Hz-50.05Hz).*

Highlights*:*

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

- *The effective implementation of islanding schemes is vital for maintaining continuity of essential services during grid failures*
- *As per Central Electricity Authority (Grid Standards) Regulation, 2010: "The Regional Power Committees shall prepare Islanding schemes for separation of systems with a view to save healthy system from total collapse in case of grid disturbance and the Entities shall ensure proper implementation of the Schemes"*

- *A Comprehensive review of all the Islanding schemes and LGB to be monitored continuously with the participating generators and loads. Specifically, the critical loads such as Airport, Defence & Critical loads within the islands are to be reviewed.*
- *Periodic testing of the implemented islanding schemes must be carried out to ensure their readiness and functional health*
- ***Coal stock position** (As on 20.05.2025) is as follows:*

SL.	***Name of States/Power Stns.***	***% of Actual Stock vis-à-vis Normative Stock***
1.	*Jharkhand (TVNL)*	*190%*
2.	*Odisha/IBTPS*	*70%*
3.	*WBPDCL*	*78% (Min. Kolaghat TPS -55 %, Max. Sagardighi TPS –96%)*
4.	*D.P.L. TPS*	*51%*
5.	*DVC*	*89% (Min. Mejia TPS-43%, Max Bokaro TPS `A-136%)*
6.	*NTPC*	*93% (Max. North Karanpura TPP -157% & Min. Talcher STPS - 70%)*

- *He also highlighted the need of flexible operation of Thermal power plants mainly during solar hours in light of increased RE penetration in grid.*

1. PART-A: CONFIRMATION OF MINUTES

1.1. Confirmation of Minutes of 226th OCC Meeting held on 22nd April 2025 virtually on MS Teams

The minutes of 226th Operation Coordination Sub-Committee meeting held on 22.04.2025 was circulated vide letter dated 06.05.2025.

Members may confirm the minutes of 226th OCC meeting.

Deliberation in meeting

All members confirmed the minutes of 226th OCC meeting,

2. PART-B: ITEMS FOR DISCUSSION

2.1 Islanding Schemes in Eastern Region: ERPC

2.1.1 In-Service Islanding Schemes

Details of Operational Islanding schemes

State	Islanding Scheme Reference	Number of units in Bus	Max. Load (MW)	Min. Load (MW)	Freq.(Hz) @ which Island will form	Status
DVC	CTPS Islanding Scheme, DVC	2	440	270	48.4Hz with 500ms delay	Operational & healthy
WEST BENGAL	BKTPP	3	559	282	47.7Hz	Operational & healthy
	BTPS	1	160	139	47.7Hz	Operational & healthy
	TPH	84	38		47.7Hz	Operational & healthy
	CESC islanding scheme	All internal generators			U/F: 47.8 Hz for 0.5 sec delay O/F: 52.3 Hz for 0.5 sec delay	Operational & healthy

As per IEGC-23 clause No. 29.11

"29. (11) Mock drill of the islanding schemes shall be carried out annually by the respective RLDCs in coordination with the concerned SLDCs and other users involved in the islanding scheme. In case mock drill with field testing is not possible to be carried out for a particular scheme, simulation testing shall be carried out by the respective RLDC."

ERLDC, in compliance with IEGC 2023, had notified all the SLDC and users in 215th OCC regarding information of date of physical mock test or requirement of data to conduct simulation studies in case of non-possibility of the same.

After several follow-ups in the OCC, an online meeting (Details enclosed at **Annex B.2.1**) was organized by ERLDC on 15.01.2025 to discuss about the mock testing of islanding scheme as per IEGC-23.

DVC and West Bengal may update. Members may discuss.

Deliberation:

i) DVC informed that mock drill of islanding scheme is being conducted annually.

ii) WBSLDC informed that the healthiness studies of the islanding scheme of BKTPP, BTPS, TPH have been performed by ERLDC and suggestions made by them are being incorporated.

iii) CESC has also conducted mock drills in April, 2025 and it has been found in order.

Decision:

OCC advised all utilities to conduct mock drills on regular basis and submit the report to ERPC.

2.1.2 Update on under-implementation Islanding schemes

Besides, **IB valley TPS IS** & **Farakka STPS (NTPC)** Islanding scheme have 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).

All concerned utilities may update. Members may discuss.

Deliberation in the Meeting:

iv) SLDC Odisha on behalf of OPGC informed that currently their islanding scheme is being prepared for IB Valley TPS.

v) It was also informed that Islanding scheme for Bhubaneswar is under planning stage.

Decision:

i) OCC opined that Farakka Islanding scheme can be discussed only on availability of 220 KV Farakka Lalmatia transmission line.

ii) OCC advised SLDC Odisha to take up the matter with OPGC and ensure speedy implementation of the IB TPS islanding scheme.

2.1.3 Update on Patna Islanding scheme

- The Patna islanding scheme would be formed with Units of NPGCL along with loads of Patna city.
- NTPC was entrusted for carrying out study of NPGC units and M/S Solvinia had submitted report on study of islanding scheme dated 08th May 2024. Thereafter based on comments received from ERLDC, replies were submitted by M/S Solvinia. NTPC had communicated the report to all concerned including SLDC Bihar.
- Some further tests needed could not be carried out due to non-receipt of relevant data from Bihar.
- The proposed Patna islanding scheme aims to isolate one running unit of NPGC (660 MW) with pre-identified load of Patna city and nearby areas. After isolation of selected loads and NPGC through the identified network, run the island in islanded mode to cater the city load and to extend start-up supply to generating stations in adjoining area to facilitate early restoration.
- Patna city and nearby loads will be islanded with one of the running units of NPGC (660 MW).

As per 53rd ERPC meeting:

ERPC agreed with the proposal of Patna Islanding Scheme and advised Bihar to go ahead with the implementation scheme in a **time bound manner**.

225th OCC	**226th OCC**
Bihar updated : ✓ *For preparation of estimate, budgetary offers are awaited to be received from the concerned vendors(M/S GE, M/S Schneider and M/S Siemens).* ✓ *Approved DPR of the islanding scheme shall be submitted for PSDF funding latest by April 2025.* ***OCC Decision*** *OCC advised Bihar SLDC to expedite submission of Final DPR of Patna islanding scheme along with detailed cost breakup for PSDF grant.*	*SLDC Bihar submitted:* • *Bids have been submitted by vendors, but the element-wise cost breakup has been provided only by M/s Siemens. The final DPR, along with the cost breakup, will be submitted after receiving the element-wise cost breakup from the other vendors.* ***OCC Decision*** ✓ *OCC raised concern on the delay in finalization of DPR for Patna islanding scheme despite being accorded approval for approaching PSDF in 53rd ERPC meeting.* ✓ *The Patna islanding scheme will be discussed in the next NPC meeting. Therefore, OCC advised SLDC Bihar to expedite the submission of the final DPR*

	for the Patna islanding scheme, along with the detailed cost breakup from the other vendors.

Deliberation:
SLDC Bihar informed that cost estimate for purpose of DPR has been received only from one vendor i.e Siemens.

Decision:
OCC suggested SLDC Bihar to expedite the submission of final DPR in view of upcoming NPC meeting.

2.2 Status of ERS in Eastern Region

Transmission lines are the arteries of the electricity grid and these are most prone to damage due to earthquakes, cyclones, floods etc. In case of damage to the transmission line, temporary arrangements for the restoration of power supply can be made with the help of ERS, which consists of a special type of lightweight modular structures, with lightweight polymer insulators and number of stays. In this regard CEA has issued guidelines for requisition of ERS and also an advisory has been issued by Ministry of Power to all state utilities.

As per Central Electricity Authority (grid standards) regulations, 2010 and "Disaster Management Plan for Power Sector" the following are mandated in case of the ERS:

i.) Each transmission licensee shall have an arrangement for the restoration of transmission lines of 400 kV and above and strategic 220 kV lines through the use of Emergency Restoration System in order to minimise the outage time of the transmission lines in case of tower failures.

ii.) Strategic locations should be decided for spares on centralized/ regional /zonal basis.

MOP guidelines attached at **Annex B.2.2**

All Transmission licensees (ISTS, State & Private) may update.

Deliberation in the Meeting:

i) PowerGrid informed that mock drill is being conducted annually for testing of ERS.

ii) OPTCL informed that testing in two no. of ERS will be conducted in month of June, 2025.

Decision:

i) All utilities were advised to maintain adequate ERS inventory for all voltage levels as per norms.

ii) All Trancos were advised to periodically test the operational readiness of ERS.

iii) OCC advised all utilities to attend the workshop on ERS being conducted by PowerGrid at Siliguri in June,2025.

2.3 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 forums 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*."

The UFR integration work is pending with **Bihar, Jharkhand & Sikkim. Besides, the SCADA integration and data availability of the UFR feeders is very low and needs immediate attention by the states.**

I.r.o significance of healthy AUFLS,it is pertinent to mention that grid frequency had dipped to 49.42 Hz(on verge of stage-I of AUFLS) due to sustained overdrawl by some ER states.NLDC has issued letter expressing concern over LGB in states, to principal Secretaries(Energy) of Bihar, West Bengal

A list is prepared highlighting present status of UFR feeders and presented below:

State	Stage	UFR Req (MW)	UFR Inst. (MW)	Pending (MW)	SCADA Integrated feeders	Data Updating of UFR feeders	Remarks
BSPTCL	Stg 1	315	292	23	0	0	Feeders identified for all 4 stages. UFR integration for rest feeders in progress.
	Stg 2	379	344	35	18	12	
	Stg 3	442	361	81	0	0	
	Stg 4	442	394	48	362	118	
	Total	**1578**	**1391**	**187**	**380**	**130**	
DVC	Stg 1	172	173	0	173	159	Installation and testing complete for all 4 stages
	Stg 2	207	209	0	72	72	
	Stg 3	241	242	0	32	32	
	Stg 4	241	239	2	38	17	
	Total	**861**	**864**	**0**	**315**	**280**	
JUSNL	Stg 1	87	85	2	89	26	Feeders identified for
	Stg 2	105	104	1	105	71	

	Stg 3	122	**45**	77	33	33	St.3 & 4. Installation in progress.
	Stg 4	122	0	122	0	0	
	Total	**436**	**234**	**202**	**227**	**131**	
OPTCL	Stg 1	306	316	0	297	286	Shortage of 13, 94 and 64 MW in St.2,3 ad 4 respectively. As stated by OPTCL, peak load of identified feeders will increase to required quantum in the coming summer.
	Stg 2	367	354	13	281	255	
	Stg 3	428	334	94	314	260	
	Stg 4	428	364	64	299	276	
	Total	**1529**	**1368**	**161**	**1190**	**1076**	
West Bengal (WBSEDCL)	Stg 1	377	440	0	100	100	Installation and testing complete for all 4 stages
	Stg 2	457	434	23	191	191	
	Stg 3	536	552	0	86	65	
	Stg 4	536	555	0	0	0	
West Bengal (CESC)	Stg 1	120	120	0	120	120	CESC-Installation and testing complete for all 4 stages
	Stg 2	140	140	0	140	140	
	Stg 3	160	160	0	160	160	
	Stg 4	160	160	0	160	160	
WBSEDCL+CESC	**Total**	**2486**	**2561**	**0**	**957**	**936**	
Sikkim	Stg 1	5	0	0	0	0	
	Stg 2	6	0	0	0	0	
	Stg 3	7	0	0	0	0	
	Stg 4	7	0	0	0	0	
	Total	**25**	0	0	0	0	
ER Total		**6916**	**6418**	**498**	**3070**	**2553**	

All STUs are also requested to update UFR testing status.
All states may update. Members may discuss.

Deliberation:

i) SLDC Bihar informed about the completion of Stage I & II of AUFLS.

ii) DVC updated that all UFRs have been tested but its integration with SCADA is pending.

iii) WBSLDC updated that

a.) 90% of identified feeders have been integrated with SCADA at both SLDC & ERLDC.

b.) UFR integration with SCADA data will be submitted to ERLDC within a week.

iv) Odisha SLDC updated that the load of identified feeders will increase in summer to meet required quantum.

Decision:

i) *All SLDCs were advised to undergo periodic testing of UFR in their jurisdiction and ensure there is no intentional time delay in the UFR settings.*

ii) *It was also advised to submit the UFR healthiness report to ERPC/ ERLDC.*

iii) *SLDCs were directed to ensure implementation of AUFLS in all 4 stages and completion of SCADA mapping of all feeders.*

iv) *Matter has been referred to PCC for further deliberation.*

2.4 Issues for follow up.

Issue	Reference	Last updated Status	OCC Deliberation/ Decision
Update on Rajarhat GIS (POWERGRID) 400/220kV S/S: 2x500MVA	• Vide 226th OCC dated 22.04.2024. The need to prioritize the installation of a 3rd 400/220KV,500 MVA ICT at Rajarhat (PG) with the same urgency as Subhasgram (PG) to prevent a recurrence of similar critical situations in the future If the proposed 3rd ICT is not operational by	• **As per 226th OCC**: NIT for procurement of **3rd ICT** at Rajarhat (PG) has been floated on **14th May 2025**.Further progress shall be shared in subsequent OCC meetings. • **Deliberation/Decision in Meeting chaired by Power Secretary (Govt of W.B):** **(** MOM at **Annex B.2.1)** As Rajarhat Transformer will take almost 01 month to reach Kolaghat from Hyderabad, continuing the cross bridge (Temporary bridge) at Charial till onset of monsoon will be difficult from Irrigation perspective. So,the 500 MVA transformer for Subashgram sub-station will be transported on priority basis.	*Powergrid informed the forum that Transformer has been transported from Hyderabad.*

	the summer of 2026, severe congestion is likely to affect the ICTs at Rajarhat (PG).	The said transformer from Maithon will reach Kolaghat at around 25th of May, 2025 and will reach Budge Budge point through river transportation within 5th of June, 2025.	
Upgradation of 220kV Network in Kolkata Region.	• Vide 217th OCC dated 24.07.24 Due to persistent N-1 violation, Upgradation of these 220 KV feeders to be planned: ✓ 220kV Subhasgram (WB)-Lakshmikantpur D/C ✓ 220 kV Jeerat-Barasat D/C ✓ 220 kV Barasat-Kasba D/C	• In case there is no funding from PSDF for upgradation of 220 kV feeders, OCC advised WBSETCL to meet fund requirement from its own sources in view of its urgent need.	*WBSETCL updated that TESG committee approved the proposal in the meeting held in April 2025.* ***Decision:*** *OCC advised to put up the proposal in the next PSDF meeting for approval of grant.*
Restoration status of 220kV-Rajarhat (PG) - New Town IIC – II.	• Vide 221st OCC dated 27.11.24 • The faulty b phase cable already is isolated at both ends. As, the repair of the b phase cable involves kits and spares (particularly for the jointing portion of two	OCC requested **WBSETCL** to expedite the cable reparing works and to share progress status of the same with ERPC. In 222nd OCC it was updaed that cable shall be put into healthy operation by June 2025.	*WBSETCL informed that cable Joint- Kit will arrive by 15th June, 2025 and overall work will be completed tentatively by end of June.* ***Decision:*** *OCC advised to update the status in next OCC meeting.*

	different sized cables) from abroad, which is time consuming, so to keep the other two phase UG cables healthy, it was extremely necessary to keep those in no load charging condition. • Repair of the faulty cable (B phase) is getting delayed due to non-availability of the imported cable joiniting kit. • Neither charging the cable at low voltage nor charging from WBSETCL end was feasible • The said no load charging may please be allowed within shortest possible time to reduce any possibility of damage of R, Y phase cables in respect of Rajarhat (PG)-New Town AAIIC circuit II.		

Update on Reconductoring of ISTS lines under Eastern Region Expansion Scheme-44	• Vide 226th OCC dated 22.04.2024
	  • Approved in 52nd TCC NCT (National Committee on Transmission) meeting dated 23.10.2024
	
	  • Reconductoring of ISTS portion of 220 kV corridor viz. Alipurduar (POWERGRID) – Falakata (WBSETCL) – Birpara (POWERGRID) – Binaguri (POWERGRID) – Siliguri (POWERGRID) – Kishanganj (POWERGRID) – Dalkhola (POWERGRID) – Gazole (WBSETCL) – Malda (POWERGRID), may be taken up under ISTS
		• **As per 226th OCC**:
		• Reconductoring Package (OH1/OH2/OH03) Tender for various 220kV Lines associated with Eastern Region Expansion Scheme-44 (ERES 44) has been floated. In view of request from several bidders, the date of bid opening has been extended till **29.04.2025.**
		• Further certain specifications have been changed for various reconductoring packages and under discussion with CEA. In view of the same, the extension in bid submission is done for facilitating all prospective bidders
			PGCIL updated that notice inviting Tender (NIT) has been floated and bids submission date has been extended to 10.06.2025.
			
			Decision: *OCC advised to expedite the process.*

Update on Restoration of 132kV	• Vide 226th OCC dated 22.04.2024	• **As per 226th OCC**: ✓ NOC has been received dated **16.04.25** from Soom Tea Garden	*PowerGrid updated that restoration work at location 127 is*

Rangit-Kurseong & 132kV Siliguri-Melli-Rangpo lines	• Due to incessant rain and several landslides, towers at loc. 125-128 of 132 kV Rangit-Kurseong and 132 kV Siliguri-Melli got badly affected • Consequently, Kurseong and Melli (Kalimpong source) are fed through single source of Siliguri and Rangpo respectively • After necessary reconfiguration, 132 KV Siliguri-Kurseong-II (interim) arrangement charged on 9th October and 132kV-Rangit-Melli (interim) has been charged tentatively on 22nd October. POWERGRID intimated that it would take 15-20 Days to restore the original configuration after rectifying damaged towers.	& administration, necessary construction activity has been initiated from **17.04.2025.** ✓ As new tower foundation, erection and moreover string is required, restoration of the original configuration may be anticipated till **15.07.2025.**	*delayed due to torrential rain which is hampering transportation of materials over hilly areas. Further, Once the foundation work will be over tower erection work will be done within 15 days. Post the completion of work at location 127, work at location 126 will begin.* ***Decision:*** *OCC asked PGCIL to submit weekly progress report.*

Automatic tripping of Pumped Storage Plant or ESS in pumping/charging mode during low frequency.	• Vide: 214th & 223rd OCC dated 23.04.24 & 24.01.25 • WB SLDC urged for implementation of the automatic tripping mechanism after end of General Election 2024 as was submitted by WBSEDCL in State Level Summer Preparedness meeting. • WBSEDCL representative underlined need of consultation with concerned OEM prior to Purulia Pumped storage plant being equipped with provision of auto-tripping at 49.5 Hz.	• **As per 214th OCC**: • OCC further advised West Bengal SLDC to share the action plan of implementing this automatic tripping mechanism at Purulia Pumped storage plant as soon as consultation with concerned OEM is completed by WBSEDCL. • **As per 223rd OCC**: WBSEDCL was advised to submit the report from concerned OEM in next OCC, highlighting the practical constraints involved in implementing the automatic tripping mechanism at Purulia PSP.	***Deliberation:*** *WBSEDCL was not present in the meeting. However, WBSLDC submitted that based on the discussion with OEM, this particular operation at Purulia pumped Storage is not feasible.* ***Decision:*** *WBSLDC was requested to send an official communication to ERPC/ERLDC in this regard.*
Strengthening of SLDCs	• Vide 53rd ERPC dated 11.02.2025 ERLDC presented an assessment on manpower adequacy at SLDCs, highlighting	• Chairperson of ERPC emphasized the need for all states to formulate an action plan to address manpower shortages and ensure compliance with workforce adequacy guidelines.	All states SLDCs were advised to ensure adequate manpower in compliance with Workforce Adequacy Guidelines.

	existing gaps and challenges.		
MTDL of Intra-state generators (55%).	• 218th & 220th OCC dated 13.08.24 & 25.10.25 • WBPDCL updated that all the thermal generating units including that of Kolaghat, are technically capable to operate at 55% MTDL ,But in absence of appropriate regulations of WBERC, generating units not operating at 55% MTL or below on sustained basis. • ED, ERLDC apprised that they have already highlighted the matter to WBERC & WBERC has assured to come up with appropriate regulation to incentivize generators.	• **As per 218th OCC**: • OCC directed WBPDCL to support the grid at the time of need by backing down of generation. WBPDCL was also suggested to approach WBERC with the above-mentioned issues. • **As per 220th OCC**: All states were advised to pursue necessary regulatory support from SERCs.	OCC advised all Intra-state generators to abide by IEGC regulation and participate in TRAS down Market for compensation. OCC highlighted the importance of operating thermal generating units upto MTDL considering the high RE capacity addition. All intra-state generators were asked to approach their respective SERCs for necessary regulatory support. iii) Generators were also advised explore participation TRAS Down market. iv) Further, ERLDC has been asked to sensitize all states generators of ER region regarding participation in TRAS down Market.
Implementation of AGC in Intra-state	• 218th OCC dated 13.08.24	• WBPDCL was advised to approach WBERC for redressal of their concerns regarding AGC	i) ERLDC informed that GE has given a demonstration

generating units.	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.	implementation in their generating units. • OCC advised all State Gencos to expedite the process of implementing AGC system	regarding AGC implementation. ii) WB SLDC has informed that AGC implementation will be completed by Feb,2026. iii) NTPC Baruani informed that signal transmission from SLDC Bihar end needs to be checked. iv) DVC informed that the AGC implementation at Mejia, Koderma & DSTPS will be completed by June 2025. v) Odisha SLDC informed that SERC approval is necessary for its Implementation. **Decision:** i) OCC highlighted the importance of AGC implementation for grid stability and reliability. ii) All Intra-state generating stations may approach their respective SERCs for regulatory support. Iii) OCC advised NTPC Barauni and SLDC Bihar

			to resolve the issue of signal testing bilaterally.
Reliable Power Supply of Tenughat.	Vide 216th OCC dated 21.06.24 • After reconfiguration of 220kV Patratu-Tenughat for extending start-up power to PVUNL, one evacuation path from Tenughat was reduced, which impacted the reliability of Tenughat. Now, with the outage of 220kV Biharsariff-Tenughat, the evacuation of the entire generation remains with Govindpur only. • Jharkhand needs to explore network strengthening at Tenughat to enhance reliability	• OCC urged JUSNL to expedite the entire process to complete the construction of planned 220 kV lines at the earliest. • OCC advised JUSNL to make all possible efforts for construction of 220 kV Tenughat-Gomia Transmission line(25KM) at first as its length is less compared to 220 kV Tenughat-Hazaribagh(80KM) line. • Update yet to be recieved on status of upcoming feeders	i) JUSNL updated that construction of 220 kV Tenughat-Gomia Transmission line(25KM) will be finished tentatively within 12 months. **Decision:** OCC advised to expedite the overall completion.
Repeated tripping of 132 kV Chuzachen-Rangpo D/c.	• Vide 220th OCC dated 28.10.24 132 kV Chuzachen-Rangpo D/C tripped	• OCC advised Sikkim to expedite in implementation of Committee recommendations i.r.o increasing ground clearance by construction of new tower (between loc. 28-29) and hill cutting (around tower no. 27).	*Deliberation: Sikkim representative was not present in the meeting.* ***Decision:*** *Matter has been referred to TCC.*

	more than 10 times since May'24 causing total generation loss occurred at Chuzachen HEP (110 MW). Committee visited site with following observations: • Critical tree infringement and bamboo trees between loc. 27-29 along the corridor. • Severe infringement along with several flashover marks on the conductor and burnt trees along the corridor. • Less ground clearance b/w loc. 28-29 for Ckt-1 (4.1 meter instead of minimum requirement of 6.1 meter). • The Committee recommended two new towers to be constructed between loc. 28-29 and 35-36 (one each) and	• Update on the same needs to submitted to ERPC/ERLDC every week.	

	hill cutting along the periphery of tower no. 27 to improve ground clearance. • Considering the severity of less ground clearance and potential of damage to human life, the recommended measures need to be implemented on an immediate basis		
ADMS	Vide 225th OCC dated 18.03.25 • The automatic demand management scheme (ADMS) has been already commissioned in West Bengal, DVC, Odisha, and Jharkhand and partially implemented by Bihar. • In the 216th OCC meeting the forum advised Bihar to share detailed action plan for implementation of additional 400 MW load under ADMS.	**As per 225th OCC** • OCC advised BSPTCL to share the feeder list of ADMS with ERLDC positively within a week. • ERLDC was advised to take up with BSPTCL through a formal communication.	***Deliberation:*** *i) Bihar SLDC has identified some feeders which are overlapping with AUFLS feeders.* ***Decision:*** *i) OCC advised to submit a revised feeder list after consultation with Dicsoms.* *ii) Matter has been referred to PCC for further deliberation.*

	• BSPTCL yet to update the status.		

All concerned may update. Members may discuss.

2.5 Allocation of power from Hydro Electric Projects (HEPs) in Arunachal Pradesh: ERPC

North Eastern Electric Power Corporation Limited (**NEEPCO)** is developing the following Hydro Electric Projects (HEPs) in Arunachal Pradesh:

1. 240 MW Heo HEP
2. 186 MW Tato-1 HEP
3. 700 MW Tato-11 HEP

- Further, the Ministry of Power, Government of India has already accorded the investment approval for 240MW Heo HEP & 186 MW Tato-I HEP. Moreover, the PIB for 700 MW Tato-II HEP will be taking place within a short period.
- In this regard, NEEPCO has been exploring potential buyers for the sale of power from these projects and has approached various states viz. Bihar, Gujarat, Assam, Arunachal Pradesh, Tamil Nadu, Maharashtra, as well as Indian Railways.
- Ministry of Power has also issued order for waiver of ISTS charges for transmission of hydro power.
- All ER states are requested to express their willingness so that **PPA** can be signed prior to **30.06.2025** in order to **avail transmission charge waiver facility** by the beneficiaries as per Order dt. 01.12.2022 issued by Ministry of Power. **(Annex B.2.6)**

Members may discuss.

Decision:
OCC requested all ER states to express their willingness regarding purchase of power from upcoming aforementioned NEEPCO units so that PPA can be signed prior to 30.06.2025.

2.6 Challenges in intra-state network of Odisha: SLDC Odisha

- During the last month, multiple contingencies have been observed due to 400KV Meramundali- Mendhasal D/C tower failure, restoration thereof on ERS one by one line), tripping of 400KV Meramundali - Lapanga Circuit -II and other instances.
- The load centre command area of Bhubaneswar, Puri & Cuttack city is fed from 400KV Mendhasal Grid Sub-Station, which draws power from Talcher, Sundargarh, and OPGC Plants of that geographical area.

- In order to provide redundancy & share some of the load of this area a 400KV Pandiabil Sub-station is established. This Sub-station needs to draw power from Baripada CTU & upward network beyond Baripada.
- Unfortunately, it is observed that there is a limited flow from Baripada and Pandiabil continues to draw power from Mendhasal & New - Duburi (Odisha network) resulting into jeopardize of the evacuation of OPGC, Talcher, Kaniha Projects.
- It is requested to deliberate on this matter during ensuing 227th OCC Meeting & Grid - India may facilitate more power flow from Baripada & beyond network to Pandiabil, so that designated purpose of CTU Station gets addressed and the jeopardized network gets relieved from this power stress. The solution to this issue is of utmost importance for balancing the Peak Demand of 2024-25 & peak period of 2025-26.

SLDC Odisha may update. Members may discuss.

Deliberation in the meeting:

SLDC Odisha suggested to install a Phase Shifting Transformer (PST) at Baripada to divert power from Baripada to Pandiabil.

Decision:

OCC advised SLDC Odisha and ERLDC to jointly carry a feasibility study to explore all alternative solutions and submit the report to ERPC.

2.7 Relocating of existing 220/132kV Switchyard of TTPS for future capacity addition: OPTCL

Vide the letter reference: TTPP/OPTCL/11/01 did 09.11.2024, NTPC has stated that they are going to set up an additional 600MW / 800MW unit at Talcher after the commissioning of TTPS Stage-Ill. They have expressed their intention to utilize the land currently occupied by the existing 220/132kV TTPS switchyard for their expansion project.

In this regard, OPTCL has conducted a system study for the phased shifting of transmission lines from the TTPS switchyard. A detailed study report, including the existing connectivity and proposed connectivity, has been attached at **Annex B.2.7** for ready reference.

OPTCL may update. Members may discuss.

Deliberation:

i) Representative of NTPC TTPS submitted that assistance of SLDC Odisha is required for purpose of shutdown required by OPTCL.

ii) SLDC Odisha submitted that preliminary system study needs to be carried out prior to relocation of existing 220/132 KV Switchyard.

Decision:

i) OCC acknowledged the technical feasibility of the above proposal.

ii) OCC advised SLDC Odisha to expedite by carrying out the studies and co-operate with NTPC TTPS.

iii) OCC advised SLDC Odisha, OPTCL and NTPC TTPS to reach a consensus.
iv) OCC also suggested that the matter may be placed before CMETS-ER.

2.8 Supply & Installation of Bus-Bar Protection Panels including Bus Differential Protection in different 220 kV & 400 kV Sub• stations of WBSETCL: WBSETCL

To enhance capacity of existing network with an objective to maintain N-1 contingency and to improve reliability and voltage profile in the State as well as National Grid, one proposal amounting to Rs. 55.41 Crore has been submitted to the PSDF authority. Accordingly, the proposal was also discussed in the meeting of the Techno-Economic Subgroup (TESG) held on 25.08.2023.

OCC is requested to grant consent to the proposal to achieve reliable and economic power transmission system with highest system availability within the state of West Bengal.
WBSETCL may update. Members may discuss.

Deliberation:
WBSETCL updated that TESG had principally approved their proposal.

Decision:

OCC agreed with the proposal of WBSETCL and referred to ERPC for concurrence.

2.9 Bus split operationalization at NTPC Kahalgaon: ERPC

As decided in **219th OCC** Meeting, a committee comprising of members from ERPC and ERLDC visited NTPC Khilgaon on 17-10-2024 to assess the status of Bus splitting at 400 kV level and way forward for operationalization of 400 KV Bus sectionalized.
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-2 132 kV switchyard, where ICT 3 & 4 will be connected.
3. Laying of additional 22.8 cut. km control cable for STs.
4. Umpiring of ICTs in 132kV & 400kV level.
5. Bay equipment testing.

- NTPC apprised that determination of underground power cables is one of the major challenges to proceed further with laying of cables between two 132kV switchyards.
- Meanwhile in view of increased fault level of NTPC Khilgaon and to facilitate interim arrangement of standby ISTS connectivity to Goda Thermal Power project of M/s Adani Power (Jharkhand) Ltd. (APJL) with Indian grid, Bus splitting at 400KV Khilgaon needs to be done on priority.

As per update from NTPC (15.04.2025):

Sly No	Description	Status	Remark
1	Contractual issue	Resolved	
2	Arrangement of 5KM 19Cx2.5 sum and 21 KM 10Cx2.5 sqm Control cable	Arrived at site	
3	Laying of control and power cables towards 400KV side	Completed	
4	Laying of control cables towards 132KV side	50% completed	**Target date- 30.04.2025**
5	Revival of 400KV isolators of ICT-3 & 4	2/4 revived	✓ Revived isolators Jumpers will be connected during Bus-4 shutdown. ✓ For revival of rest of the isolators, Bus-3 shutdown reqd.
6	ICT-3 Earthing work	Completed	
7	132KV side BPI structure modification work	60% completed	**Target date- 30.04.2025**
8	132KV relay intercanal wiring work	Completed	
9	400KV relay intercanal wiring work	Completed	
10	Revival of 400KV & 132KV CBs	Defective spares arrived at site. Service engineer will be deployed for attending the defects	**Target Date: 30.04.2025**
11	Charging of ICT-3 & ICT-4 towards 400KV side		**Target Date: 30.04.2025**

NTPC may update. Members may discuss.

Deliberation:
NTPC updated present status of bus -splitting of this line which will be finished by July 2025.

Decision:
OCC asked NTPC to expedite their bus-splitting operation work as per the submitted deadline so that ongoing project at Goda substation may not get hampered.

2.10 Shutdown proposal of generating units for the month of June 2025: ERPC

Maintenance Schedule of Thermal Generating Units of ER during 2025-26									
System	***Station***	***Unit***	***Capacity (MW)***	***Proposed***		***No. of Days***	***Approved in 226th OCC***		***Reason***
				From	***To***		***From***	***To***	
DVC	*CTPS*	*8*	*250*	*25-06-2025*	*29-07-2025*	*35*	*01-07-2025*	*04-08-2025*	*COH-Boiler RLA, tormogen. & De-Nox*
NPGCL	*New Nabinagar STPS*	*1*	*660*	*21-06-2025*	*19-08-2025*	*60*	*01-11-2025*	*30-12-2025*	*AOH: Boiler Turbine + Gen*
WBPDCL	*Kolaghat TPS*	*4*	*210*	*27-06-2025*	*21-07-2025*	*25*	*27-06-2025*	*21-07-2025*	*Boiler License Renewal + AOH*
NTPC	*Darlipalli STPS*	*2*	*800*	*01-04-2025*	*10-05-2025*	*45*	*01-07-2025*	*15-08-2025*	*AOH (Main Turbine Thrust bearing temperature is high (110 ^{0}C)*

Members may discuss/update.

Deliberation:

i) Planned Shutdown of Bakreswar Unit #4:

a) WBPDCL requested for annual overhauling (AOH) of unit #4 of BKTPP from 16.06.2025 to 30.07.2025 for a period of 45 days because of non-availability of OEM experts beyond this period. Further, WBPDCL informed that OEM has advised not to run this unit for a prolonged period without undertaking overhauling work which may further deteriorate the health of the turbine.

b) WBPDCL has further informed that WBSEDCL has no objection regarding the proposed shutdown of Bakreswar Unit #4.

ii) SLDC Bihar requested the forum to postpone the AOH of Darlipalli unit #2 amid high demand in the state during that period. However, NTPC submitted that with the existing condition of the boiler of Unit #2, it is not possible to delay AOH any further as advised by the OEM.
iii) DVC intimated that instead of Unit #8 of CTPS, shutdown of Unit #7 shall be availed from 01-07-2025 to 04-08-2025.
iv) NTPC Talcher requested the forum to postpone the AOH of TSTPS Unit #1(500 MW) to 16th October, 2025 for a period of 45 days against the CEA approved timeline which was from 1st July, 2025 to 10th August, 2025 due to non-availability of material for said AOH.
v) DPL requested the forum to allow AOH for unit #8 from 23.07.2025 to 31.08.2025 to make this unit in healthy condition before Puja festival.

Decision:

iii)OCC approved shutdown proposed as tabulated above along with changes and additional shutdown of DPL unit#8.
iv) OCC approved the shutdown proposal of Darlipalli unit #2 from 01.07.2025 for 45 days.

2.11 Shutdown request for NTPC Barh: NTPC

- In view of increased BTL and as per the Boiler internal assessment by the station Barh Unit 5 needs to be taken under O/H.
- It is requested to allow NTPC Barh Unit 5 O/H from **15.06.25** for **40 days** for safe and continuous reliable operations.

NTPC may explain. Members may discuss.

Deliberation:
v) NTPC submitted that due to frequent BTL and as per the Boiler internal assessment by the station, Barh Unit #5 needs to be taken under O/H.
vi) NTPC also updated that Barh unit #3 trial operation will be held on June 20, 2025.

Decision:

OCC opined that shutdown of Unit #5 may be considered after declaration of COD of Unit #3 and its stabilisation.

2.12 Change in Over Hauling schedule of Unit #2: BRBCL

- BRBCL is supplying 90% of its power to Indian Railways and balance 10% to Bihar state.
- Indian Railways has requested BRBCL that it requires full power during the period May '2025 to Aug 2025. As during that period increase in passenger traffic and Goods train is

anticipated. Also, various Summer special trains will be put into service. (Copy of Railway letter enclosed at **Annex B.2.11**)

Therefore, it is proposed to reschedule BRBCL Overhauling (O/H) of unit#2 as below:

Unit no.	Approved O/H start date	Approved O/H end date	Duration (days)	Proposed O/H start date	Proposed O/H end date
2	1st Jul 2025	14th Aug 2025	45	6th Nov 2025	21st Dec 2025
4	24th Aug 2025	23rd Sep 2025	30	No change	

Revised BRBCL unit#2 Over Hauling schedule is submitted for kind consideration and approval.

BRBCL may explain. Members may discuss.

Decision:
OCC agreed with the proposal of BRBCL.

2.13 Agenda for North Karanpura STPP: NTPC

2.13.1 Provision of Reliable Power Evacuation from NKSTPP

- Presently, only the 400 KV D/C Chandwa line is available for power evacuation from NKSTPP, as the 400 KV NKSTPP–Gaya D/C line is still under construction.
- As per the system study conducted by ERLDC for power evacuation, in the scenario where all three units at NKSTPP are operational, stable operation is possible only up to 1700 MW in the event of a trip or shutdown of one circuit of the 400 kV D/C Chandwa line.
- In this context, ERLDC is requested to kindly provide the necessary guidelines and recommend special protection measures to ensure power system stability in the event of a trip of one circuit of the 400 kV D/C Chandwa line.
- The second evacuation corridor, i.e., the 400 kV NKSTPP–Gaya D/C line, is under construction and is being expedited by M/s NKTL. This issue was also discussed during the PMG Review Meeting chaired by Secretary (Coordination) under PRAGATI Portal on 06.03.2025.

Support and intervention from OCC are requested for early resolution of the matter.

2.13.2 Forest clearance issue of NKSTPP Ash dyke Lagoon 2: NTPC

The Forest Clearance (FC) proposal for 10.24 hectares of land is being expedited for the completion of Ash Dyke Lagoon 2. The Divisional Forest Officer (DFO) has forwarded the FC file to the Regional Chief Conservator of Forests (RCCF), Hazaribagh, who has returned it with some queries to the DFO, Chatra. At present, the file is with the DFO, Chatra.
The matter is being actively pursued by NTPC with the concerned officials of the Government of Jharkhand Forest Department and the District Administration.

Support and intervention from OCC are requested for early resolution of the issue.

2.13.3 Land related issues of NKSTPP External Pipe Conveyor:

The coal conveyor of the external Coal Handling Plant (CHP) of NTPC North Karanpura passes through land owned by CCL. As per the Memorandum of Understanding (MoU) signed between NTPC and CCL in July 2018, CCL is to hand over encumbrance-free land along with Forest Clearance. However, the progress of erection work has been slow. Out of the total 7.5 km, only 6.0 km of foundation and 4.8 km of gallery erection have been completed. The delay is primarily due to land compensation issues (to be resolved by CCL) and Local issues.

The matter is being expedited with CCL, the District Administrations of Latehar and Chatra, and the Government of Jharkhand.

This issue was also discussed in the PMG Review Meeting chaired by Secretary (Coordination) under the PRAGATI Portal on 06.03.2025.

Support and intervention from OCC are requested for early resolution of the issue.

All these issues are posing hindrance in COD of Unit-3 expected by month **June '2025**.

NTPC may explain. Members may discuss.
Deliberation:
vii) NTPC submitted that reliability of power evacuation from NKSTPP will be compromised due to availability of only one double ckt 400 KV NKSTPP Chandwa line.
viii) It was proposed that an SPS may be designed and implemented for reliable evacuation of NKSTPP Power through existing double ckt line.

Decision:
ix) OCC advised NKTL to expedite the construction of 400 KV DC NKSTPP Gaya Transmission lines.
x) ERLDC was advised to design an SPS for reliable evacuation of power from NKSTPP through existing 400 KV NKSTPP Chandwa line.
xi) NTPC was advised to implement the SPS within a week of the finalization of same.
xii) OCC opined that Forest clearance and Land related issues come within purview of state govt.
xiii) OCC advised NTPC to take up Forest clearance and Land related issues with Govt. of Jharkhand.

2.14 Constitution of 'Standing Committee on Short Term and Perspective Power System Planning: ERLDC

The 'Manual on Transmission Planning Criteria with Amendment-1' has been issued by Power System Planning & Appraisal Division-II, CEA dtd. 08.01.2025. To cover the planning procedure, a new chapter (chapter 7 has been added) in the manual. The roles of agencies for planning of the transmission systems have been notified in Electricity Act 2003.

- As per Section 38 (2) (b) of the Act, CTU will discharge all functions of planning and coordination related to Inter-State Transmission System.
- As per Section 39 (2) (b) of the Act, STUs will discharge all functions of planning and coordination related to Intra-State Transmission System.

As outlined in Cl. 7.2.2 of the planning criteria, CEA shall consult relevant stakeholders for preparation of short term and perspective plan and for coordinating the activities of planning agencies through regional standing committees namely Standing Committee on Short Term and Perspective Power System Planning (SCSTPPSP).

Based on the perspective plan of CEA, STUs (including DVC) to make their own plan considering Intra-state generation capacity addition/phasing out of transmission system, load growth, operational feedback etc on annual rolling basis.

Post dissolution of ERPCTP vide MoP office order dated 20th Oct. 2021, certain coordination gaps in planning by STUs have been observed. It is proposed that the 'Standing Committee on Short Term and Perspective Power System Planning' be constituted for better coordination among the stakeholders. The standing committee will review the existing and under implementation intra-state and inter-state transmission system in the region, review the operational constraints faced by the system operators, examine new proposals from ISTS/STUs/Electricity Departments and associated transmission system for generating stations.

Members may discuss.

Decision:

OCC noted. Appropriate action shall be taken in this regard.

2.15 Completion of AMR Phase5 project in Eastern Region: PGCIL

AMR Phase5 Implementation project was approved in 208th OCC meeting and LOA was awarded to M/S TCS for doing the job on 14.03.2025.

The LOA scope was to integrate 320 number of new SEMs with the existing AMR system. This quantity was finalized as per the SEM list received from different constituents and by keeping some additional buffer quantity. The schedule completion was 06 months from LOA date and subsequent 12 months warranty.

Delivery of major hardware like DCU, Cable, Optical Fiber have been completed within the timeline and Meter Integration job was started gradually in phased manner based on available Meters. Total 300 new SEMs have been integrated with AMR system under the AMR Phase5 scope. Details of 300 SEM against its utility has been depicted below.

Utility	Total SEM Integrated	GENUS	L&T	SECURE
POWERGRID	106	95	6	5
NTPC	92	91	3	0
BIHAR	30	31	1	0
IPP	13	13	0	0
BSPHCL	12	11	1	0
WEST BENGAL	9	6	3	0
SIGHA	8	8	0	0
NKTL	7	7	0	0
GRIDCO	5	5	0	0
MBPCL	5	5	0	0
DMTCL	4	4	0	0
JHARKHAND	3	3	0	0
DVC	2	2	0	0
JSEB	2	2	0	0
SIKKIM	2	0	0	2
Total	**300**	**283**	**14**	**7**

(Details of SEM / Feeders are mentioned in Annexure-A)

Further new Meter details have not been received from any constituents to integrate with the AMR system. The newly integrated 300 number of SEMs are communicating via AMR system and data used in the weekly accounting. Considering the same, it is requested to declare the project as completed with 300 SEM quantity and subsequent Taking Over Certificate (TOC) may be issued.

PGCIL may Explain. Members may discuss.

Deliberation:

PGCIL updated that total 300 new SEMs have been integrated with AMR system under the AMR Phase5 scope. OCC noted.

2.16 Computation of Average Monthly Frequency Response Performance Beta (`β') Factor: NTPC

The methodology for computation of Average Monthly Frequency Response Performance, Beta 'β' in compliance with Regulation 62 Clause 5 and Regulation 65 Clause 4 of CERC (Terms and Conditions of Tariff) Regulations, 2024 has been prepared by NLDC and same has been approved by CERC on dated 23.10.2024.

In line with the Clause No. 4.4 (b) of the CERC Approved NLDC procedure for computation of Average Monthly Frequency Response Performance, Beta 'β' ,the FRO of generating stations, whose tariff is determined by CERC and are falling under the jurisdiction of SLDCs (in accordance with the control area jurisdiction as per Regulation 43 of CERC (IEGC)

Regulations, 2023) shall be assessed by concerned SLDC in line with this methodology, for computation of Beta.

Bihar being the sole beneficiary of NTPC Barauni, the generating station falls under the jurisdiction of Bihar State Load Despatch Centre (SLDC). The high-resolution data for Barauni Stage-II has already been submitted to SLDC. Therefore, an account in compliance with the CERC Tariff Regulations, 2024, the Beta (`β') Factor for NTPC Barauni maybe calculated as per the NLDC-approved methodology and shall be issued accordingly.

The methodology for calculating the FRO has been discussed with SLDC through various meetings been conducted on the following dates: 26.12.2024, 27.01.2025, 02.04.2025, and 10.04.2025 held at Vidyut Bhavan, Patna. Bihar state is considering the Methodology-I as mentioned in Agenda-7: Methodology for calculation of FRO of intra-sate entities of 48th FOLD meeting date 21.08.2024.

It is observed that, if Bihar state adopts Method-I, the basic motive behind the implementation of the frequency response will be defeated as the Beta (`β') value of Barauni station will seldomly get incentive at par even for the best performance.

The method -I demonstrates a much-deviated result with respect to NLDC adopted methodology as there is no other intra state generating station is available in Bihar besides Barauni STPS.

Being a CGS, it is proposed that the Beta (`β') Factor for NTPC Barauni TPS should be calculated as per methodology adopted by NLDC to avoid the discrepancy in calculation the FRO and maintaining uniformity. It is gathered that other SLDCs are also adopting the same procedure.

NTPC may explain. Members may discuss.

Deliberation: *NTPC informed that methodology for the calculation of FRP for regional entities by ERLDC considers both generation as well as demand whereas for calculation of FRP at state level in Bihar only generation has been considered. This has resulted in FRO obligation of NTPC Barauni which is technically infeasible to achieve.*

Decision:

xiv) OCC advised NTPC Baruani and SLDC Bihar to deliberate upon the issue mutually.

xv) SLDC Bihar was advised to review the methodology of FRP calculation considering technical limitations projected by NTPC Barauni.

2.17 Diversion of 315 MVA Spare ICT from Jamshedpur to Subhasgram- Powegrid

In recent past it is observed that due to unprecedented loading and adjoining affects, accelerated ageing is observed in existing 315 MVA ICT-I of Subhasgram SS. At present there is no 315 MVA spare available at POWERGRID/ER-II and in case of any contingency it will be very difficult to handle the crisis as Transportation at Subhasgram is a very big challenge always. POWERGRID has proposed for a fresh 315 MVA spare for ER_II but in earlier references (ERPC meeting), the same was denied and as such at present, to handle the contingency it is planned to bring the available 315 MVA spare of Jamshedpur to Subhasgram SS. The spare will be available at Subhasgram SS and in case of any problem in any existing asset of POWERGRID, the same shall be used.

Considering the criticality of the transportation it is requested to discuss and approve the followings:-
In principle approval for diversion of existing 315 MVA spare of Jamshedpur to Subhasgram SS.
All necessary transportation and storing cost for relocation of spare will be booked in original project cost for further capitalization.
PGCIL may elaborate and Members may discuss.

Deliberation:
xvi) PowerGrid submitted that 315 MVA ICT 1 of Subhasgram s/s needs urgent replacement. As of now there is no fresh spare 315 MVA ICT.
xvii) PowerGrid Proposed for diversion of existing 315 MVA spare ICT at Jamshedpur to Subhasgram.
xviii) WB SLDC representative intimated that they need to review the proposal of PowerGrid and revert in a week time.

***Decision**: OCC technically agreed with proposal of PowerGrid. However, PowerGrid was advised to place the proposal in the next CCM along with cost estimate and views of WB SLDC.*

2.18 Concern regarding scheduling and accounting: PUVNL

2.18.1 Unit-1 of Patratu Vidyut Utpadan Nigam Limited (PVUNL) is nearing declaration of commercial operation (CoD). The unit was synchronized on 11.03.2025 and is awaiting readiness of the Associated Transmission System (ATS) to proceed with trial operation and CoD.
As per Regulation 43(5) of the Indian Electricity Grid Code (IEGC), 2023:
"The entities connected exclusively to the intra-State transmission systems shall be under the control area jurisdiction of SLDCs for scheduling and despatch of electricity."
Accordingly, Jharkhand SLDC would be the scheduling and dispatch authority for PVUNL. However, the scheduling platform of Jharkhand SLDC is currently not operational, and its readiness is expected to take time.
On the front of accounting related readiness, at present, Jharkhand SLDC is not in a position to support the necessary commercial accounting functions, including generation of the following:

- Energy Account (Similar to REA)
- Deviation Settlement Mechanism (DSM) account
- Ancillary Services accounts (TRAS/SCUC/Section-11 etc.)
- Reactive Energy Account
- Part load compensation and oil compensation accounts
- Congestion Charges account
- Ramp assessment
- Beta factor determination
- Transmission related accounts
- Any other account as mandated by existing CERC Regulations/orders.

Further, the issuance of such accounts should be in line with the periodicity/timeline specified by the central regulator. Any gap in accounting readiness poses a significant risk to timely and accurate revenue realization for PVUNL and may affect billing to beneficiaries. 2

In view of the COD of first unit anticipated in a short span, the generator & respective beneficiaries may face technical as well as commercial issues due to non-availability of scheduling and accounting portal with Jharkhand SLDC at present.
In this regard, it is pertinent to mention that Regulation 43(10) of the IEGC, provides as below:
"Notwithstanding anything contained in clauses (1) to (8) of this Regulation, the Commission may, on its own motion or on the application made by a grid connected entity, grant approval for a change in the control area jurisdiction of such an entity."
Considering the above, we respectfully propose that temporary control area jurisdiction for PVUNL Unit-1 be agreed upon by all members including SLDC, Jharkhand to Eastern Regional Load Despatch Centre (ERLDC) until Jharkhand SLDC's scheduling and accounting systems are fully operational.
This arrangement will ensure smooth and uninterrupted supply of affordable power while safeguarding the commercial interests of both the generator and beneficiaries. It may be agreed upon that the transfer of responsibilities will take place when the SLDC shall be ready in all respect pertaining to scheduling, accounting and discharge of other responsibilities envisaged in regulatory framework.
We seek your kind consideration and support on this matter.

Deliberation:

i) PVUNL highlighted that as per the IEGC, since plant is connected with STU, scheduling and despatch responsibilities lie with SLDC Jharkhand, which is a pre-requisite for smooth operation of the station.

ii) SLDC Jharkhand responded that the scheduling and accounting systems is under implementation stage under SAMAST package will be made available by December 2025.

iii)PVUNL requested the forum to direct ERLDC to undertake the scheduling responsibilities for PVUNL until the Jharkhand SLDC's scheduling and accounting systems are fully operational.

iv) ERLDC, has shown its inability to take up the responsibility of scheduling contrary to Regulation 43(5) and 43(10) of IEGC'2023. Consequently, The OCC forum was of the opinion that as per clauses (1) to (8) of this Regulation, the concerned agency may approach Hon'ble CERC with request to seek direction regarding relaxation in scheduling jurisdiction.

2.18.2 Issue in grant of Connectivity to PVUNL:

PVUNL had applied for connectivity of 2400 MW to JUSNL on 08.09.2017, as the project is connected to the intra-state transmission network of JUSNL. Subsequently, JUSNL granted connectivity on 06.02.2018 through the issuance of CON-3.
PVUNL submitted CON-4 on 02.07.2019. However, CON-5 has not been issued till present date, and CON-6 remains unsigned, despite the matter being raised in multiple meetings. JUSNL's letter dated 14.11.2023 also reaffirms the grant of connectivity for 2400 MW to PVUNL.

Recently, through letters dated 19.03.2025 and 29.04.2025, JUSNL has asked PVUNL to submit a fresh application for connectivity corresponding only to 15% of capacity.
This request appears inconsistent with the regulatory requirement for 100% connectivity for generating stations. It is important to note that the connectivity agreement merely facilitates physical connection to the grid and does not imply transmission charges payment obligation by a generating entity.
As per the Sharing of Inter-State Transmission Charges and Losses Regulations, transmission charges are to be borne by the beneficiaries (drawee entity), and generating companies are not liable for such charges. Even Open Access Regulations-2016 of Jharkhand does not necessitate signing of transmission agreements by generating entity.
We seek resolution of this issue in line with regulatory provisions and request that connectivity for the full capacity of 2400 MW be processed as already granted.

Deliberation:
OCC proposed a special meeting with STU and PVUNL in the coming week to resolve the matter.

2.18.3 Concern regarding NOC to be issued to PVUNL for grant of GNA and for URS power scheduling

As 15% of power from PVUNL is to be allocated to beneficiaries other than JBVNL, PVUNL is required to obtain NOC from STU for injection of power into ISTS. The prescribed format of the NOC is attached as Annexure-4. PVUNL has also communicated to JUSNL about this format and asked JUSNL to issue the NOC as soon as possible.
We request JUSNL to kindly issue the NOC for the 15% capacity at the earliest, to ensure timely processing of the GNA by CTU and to enable the beneficiaries to draw their allocated share without delay. It may be noted that the procedure of application and grant of injection GNA may take considerable time.

Deliberation:
OCC proposed a special meeting with STU and PVUNL in the coming week to resolve the matter.

2.18.4. Clarification on trial operation certification.

PVUNL is a Central Generating Station (CGS) with beneficiaries including states beyond Jharkhand. In this context, a clarification is requested on whether the certification of the trial operation will be issued by SLDC or ERLDC.
Member may discuss.

Deliberation: *OCC clarified that, as per current jurisdiction, Jharkhand SLDC will certify the trial operation. However, if CERC issues a direction before CoD for ERLDC to take over scheduling responsibilities, then ERLDC will handle trial operation certification.*
Decision: *A separate meeting may be conducted with all stakeholders to address the issues.*

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

3.1. ER Grid performance during April 2025

The average and maximum consumption of Eastern Region and Max/Min Demand (MW), Energy Export for the month April -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)
578 MU	664 MU, 25.04.2025	31362 MW, 24.04.2025 at 23:22 Hrs.	15829 MW, 11.04.2025 at 02:09 Hrs.	2261	2357

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

Deliberation in the meeting

The grid performance of ER for the month of April'25 was highlighted.

3.2. Non-Submission of FRC data in stipulated timeframe: 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.

226th 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.

The latest data receipt status is given below: (as on **15.05.2025):**

STATIONS		12-03-2025 14:51 HRS	12-03-2025 15:37HRS
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		
GMR	CPP		
MPL	CPP		
ADHUNIK	CPP		
JITPL	CPP		
TEESTA III	CPP		
Bihar	STATE		
Jharkhand	STATE		
DVC	STATE		
OPTCL	STATE		
WB	STATE		
Updated as on	**15.05.2025**		Received
			Not Received
			Plant Out
			Data freeze at plant

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 the google sheet below to include the email address where notifications of reportable events should be sent.

ERLDC may explain. Members may discuss.

Deliberation :

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.*

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

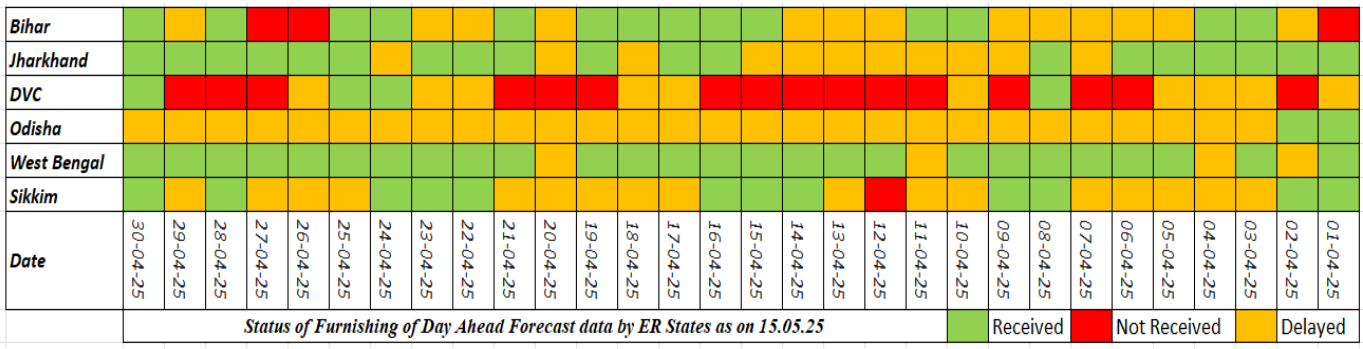
The **Clause 2** of **Regulation 31** of **IEGC 2023** has mandated all the SLDCs to timely submit the demand estimate data to the respective RLDC and RPC.

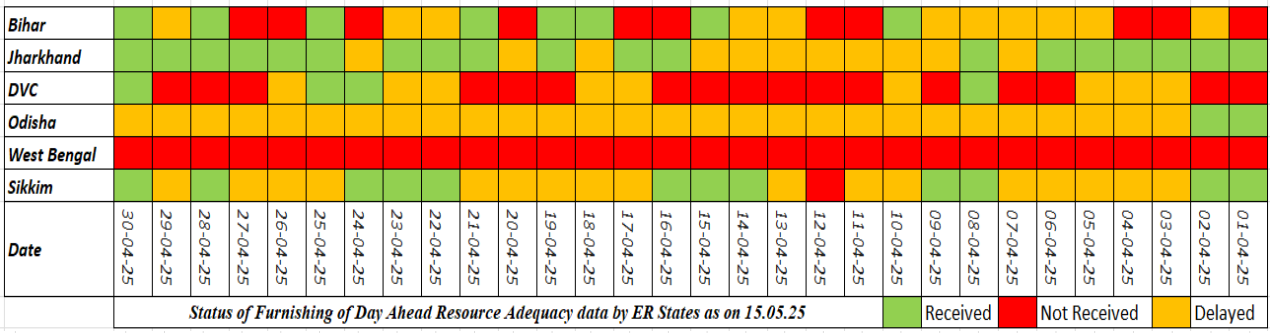
Current data submission status is given in the table below: Hence it is again requested to all the concerned for timely submission of demand estimation data to ERLDC. This collaboration is essential for effective planning and preparedness to meet the region's electricity demands efficiently and reliably.

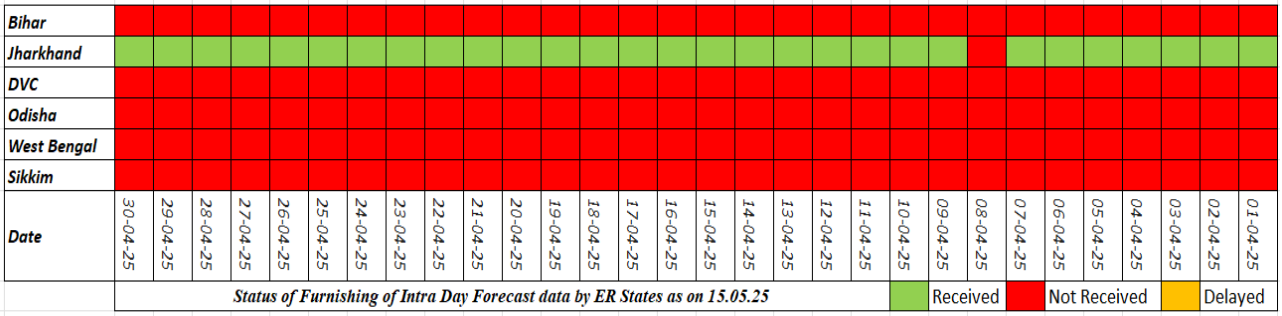
226th OCC Decision

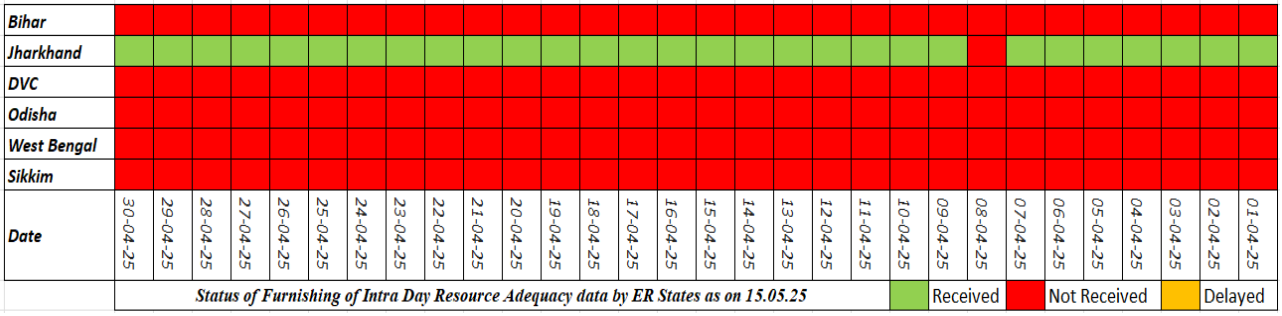
- OCC advised all SLDCs for strictly adhering to the schedule of demand estimation as mandated in IEGC 2023, timely sharing with ERLDC in specified format as well as uploading of forecasting error on their respective websites.
- SLDCs who are submitting day ahead forecast, were advised to also share 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.

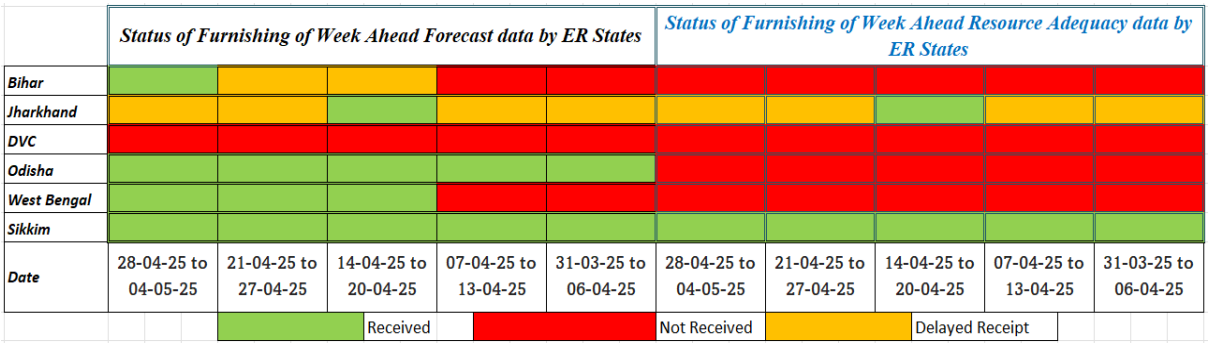
Latest Forecast and Resource Adequacy Data receipt status at ERLDC is shown below:

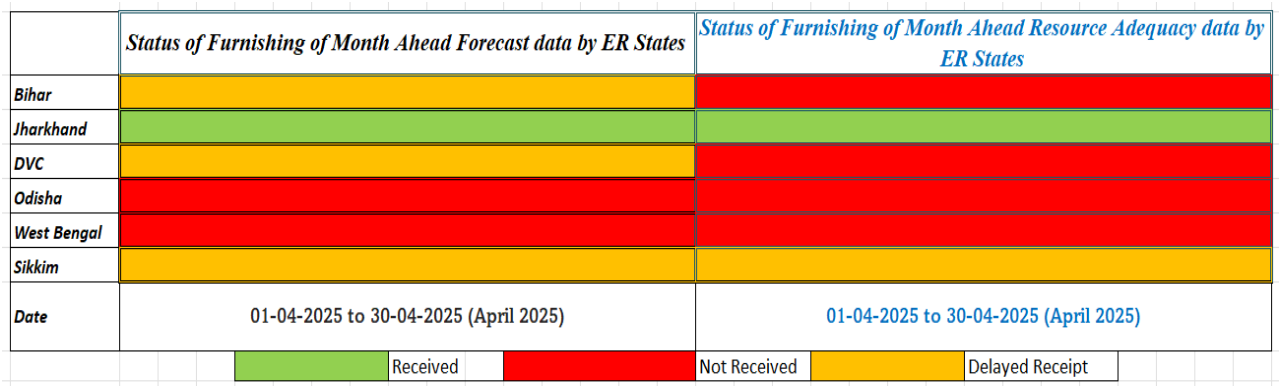



Bihar
Jharkhand
DVC
Odisha
West Bengal
Sikkim
Date
30-04-25 29-04-25 28-04-25 27-04-25 26-04-25 25-04-25 24-04-25 23-04-25 22-04-25 21-04-25 20-04-25 19-04-25 18-04-25 17-04-25 16-04-25 15-04-25 14-04-25 13-04-25 12-04-25 11-04-25 10-04-25 09-04-25 08-04-25 07-04-25 06-04-25 05-04-25 04-04-25 03-04-25 02-04-25 01-04-25
Status of Furnishing of Day Ahead Resource Adequacy data by ER States as on 15.05.25
Received
Not Received
Delayed


Bihar
Jharkhand
DVC
Odisha
West Bengal
Sikkim
Date
30-04-25 29-04-25 28-04-25 27-04-25 26-04-25 25-04-25 24-04-25 23-04-25 22-04-25 21-04-25 20-04-25 19-04-25 18-04-25 17-04-25 16-04-25 15-04-25 14-04-25 13-04-25 12-04-25 11-04-25 10-04-25 09-04-25 08-04-25 07-04-25 06-04-25 05-04-25 04-04-25 03-04-25 02-04-25 01-04-25
Status of Furnishing of Intra Day Forecast data by ER States as on 15.05.25
Received
Not Received
Delayed


Bihar
Jharkhand
DVC
Odisha
West Bengal
Sikkim
Date
30-04-25 29-04-25 28-04-25 27-04-25 26-04-25 25-04-25 24-04-25 23-04-25 22-04-25 21-04-25 20-04-25 19-04-25 18-04-25 17-04-25 16-04-25 15-04-25 14-04-25 13-04-25 12-04-25 11-04-25 10-04-25 09-04-25 08-04-25 07-04-25 06-04-25 05-04-25 04-04-25 03-04-25 02-04-25 01-04-25
Status of Furnishing of Intra Day Resource Adequacy data by ER States as on 15.05.25
Received
Not Received
Delayed


Status of Furnishing of Week Ahead Forecast data by ER States
Status of Furnishing of Week Ahead Resource Adequacy data by ER States
Bihar
Jharkhand
DVC
Odisha
West Bengal
Sikkim
Date
28-04-25 to 04-05-25
21-04-25 to 27-04-25
14-04-25 to 20-04-25
07-04-25 to 13-04-25
31-03-25 to 06-04-25
28-04-25 to 04-05-25
21-04-25 to 27-04-25
14-04-25 to 20-04-25
07-04-25 to 13-04-25
31-03-25 to 06-04-25
Received
Not Received
Delayed Receipt



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

Deliberation

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 were 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.*

3.4. Mock Black Start: ERLDC

- As per IEGC Reg. 34.3: A mock trial run of the procedure for different sub-systems including black-start of generating units along with grid forming capability of inverter-based generating station and VSC-based HVDC black-start support at least once a year under intimation to the concerned SLDC and RLDC.
- Eastern region has 16 hydro power plants, which has capability to play a crucial role during restoration after any grid disturbance. Mock black start testing along with grid forming capability is being carried out on yearly basis, as mandated by IEGC reg 34.3, to ensure the capability & readiness of those generators for any contingency.
- Also, diesel generator sets and other standalone auxiliary supply source to be used for black start shall be tested on a weekly basis and the test reports are to be shared to the concerned SLDC, RLDC and NLDC on a quarterly basis.
- As per IEGC Reg. 34.4: Simulation studies are to be carried out by each user in coordination with RLDC for preparing, reviewing and updating the restoration procedures considering the following:

(a) Black start capability of the generator;
(b) Ability of black start generator to build cranking path and sustain island;
(c) Impact of block load switching in or out;
(d) Line/transformer charging;

(e) Reduced fault levels;
(f) Protection settings under restoration condition

So far, Balimela, Burla, U. Indravati, TLDP-IV, and Subarnarekha have completed their mock black start tests, while Jorethang and Tashiding have confirmed tentative dates for FY25. The remaining generators are yet to schedule their tests and are requested to confirm their mock drill dates. Status of mock black start is as follows:

Sl. No.	Name of Hydro Station	2024-25 Actual Date of Test	Tentative date date for blackstart exercise for FY 2025-26
1	U. Kolab		Yet to be informed
2	Balimela	15th January 2025	
3	Rengali		Yet to be informed
4	Burla	December-24	
5	U. Indravati	Sep-24	
6	Maithon	December-24	
7	TLDP-III		Yet to be informed
8	TLDP-IV	December-24	
9	Subarnarekha	3rd December 2024	
10	Teesta-V	N/A	N/A
11	Chuzachen		Yet to be informed
12	Teesta-III	N/A	N/A
13	Jorethang		25th February 2025
14	Tashiding		29-31 March 2025
15	Dikchu	N/A	Yet to be informed
16	Rongnichu		Yet to be informed

226th OCC decision:

- OCC advised all black start capable hydro generating units of ER to update their schedule of mock black start to ERLDC at the earliest. This is in compliance to IEGC 2023 (CERC)
- OCC further opined that in case of non-receipt of further update by respective hydro generating units the proposed tentative schedule of mock black start may be considered as final. Thereafter all black start capable hydro units shall have to conduct mock black start at least once in a year as mandated in IEGC 2023.

The rest of the generators are requested to confirm dates for black start of each generating unit. Also, the users are requested to share the data required simulation studies before the scheduled date of mock drill.

Members may note.

Deliberation in the meeting

OCC decision:

- ✓ *OCC advised all black start capable hydro generating units of ER to update their schedule of mock black start to ERLDC at the earliest. This is in compliance to IEGC 2023 (CERC)*
- ✓ *OCC further opined that in case of non-receipt of further update by respective hydro generating units the proposed tentative schedule of mock black start may be considered as final. Thereafter all black start capable hydro units shall have to conduct mock black start at least once in a year as mandated in IEGC 2023.*

4. PART-D: OPERATIONAL PLANNING

4.1. Anticipated power supply position during June-2025

The abstract of peak demand (MW) vis-à-vis availability and energy requirement vis-à-vis availability (MU) for the month of June-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.

Deliberation:

All states were requested to provide their anticipated power supply position for June-2025 within a week. Updated anticipated power supply position will be shared accordingly.

4.2. Major Thermal Generating Units/Transmission Element outages/shutdown in ER Grid (as on as on 15-05-2025)

a) Thermal Generating Stations outage report:

SL No	STATION	STATE	AGENCY	UNIT NO	CAPACITY (MW)	REASON(S)	OUTAGE DATE
1	TENUGHAT	JHARKHAND	TVNL	2	210	Due to high vibration in Turbine	13-Apr-2025
2	BOKARO-A'	DVC	DVC	1	500	Annual Overhauling	25-Mar-2025
3	BARH	BIHAR	NTPC	2	660	Boiler tube Leakage	12-May-2025
4	BARH	BIHAR	NTPC	1	660	Due to abnormal sound in the boiler	10-May-2025
5	TENUGHAT	JHARKHAND	TVNL	1	210	Boiler tube Leakage	13-May-2025
6	RTPS	DVC	DVC	2	600	Boiler tube Leakage	10-May-2025
7	DPL	WEST BENGAL	DPL	8	250	Unit 8 station transformer flashing and fire event	07-May-2025

8	HEL HIRANMAYEE	WEST BENGAL	HEL	1	150	Turbine vibration high and rotor earth fault	26-Apr-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.

b) 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
NIL							

c) 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 to 6	1200	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 HPS	SIKKIM	NHPC	1 to 3	510	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
3	JORETHANG	SIKKIM	DANS	1	48	Annual Maintenance	11-Mar-2025
4	BALIMELA HPS	ODISHA	OHPC	5	60	Repair and maintenance work	16-Jan-2025

5	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 workfrom 00:00 hrs of 16.01.25	06-Jan-2025
6	CHIPLIMA HPS / HIRAKUD II	ODISHA	OHPC	1	24	Capital Overhauling	15-Dec-2023
7	RANGIT HPS	SIKKIM	NHPC	1	20	Annual Maintenance	15-Apr-2025
8	U.KOLAB	ODISHA	OHPC	2	80	Tripped on Stator Earth fault	18-Apr-2025

d)Long outage report of transmission lines (As on 15.05.2025):

Transmission Element / ICT	Outage From	Reasons for Outage
220/132KV 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 & 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 Destringing of conductor of both circuits and Earth wire between tension tower no. 218-237 in same line.
132KV-NALANDA-BARHI(DVC)-1	25.03.2023	
400KV-RANGPO-TEESTA-V-1 & 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

400KV-TEESTA-III-RANGPO-1	04.10.2023	Hand tripped from Teesta-III end 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-TEESTA-III-DIKCHU-1	04.10.2023	
132KV-RANGPO-SAMARDONG-1	22-05-2024	Rangpo: Y-N fault with fault distance 0.157 kM 14.562kA Samardong: NA
220KV-RAJARHAT-NEW TOWN(AA-II)-2	10-07-2024	Initially line out due to rectification of gas leakage problem from B-Ph breaker pole. Line declared under breakdown after charging attempt after return of shutdown. After that fault found in b-phase cable.
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-Saharsa line
132KV-MELLI-SILIGURI-1	05-10-2024	S/d for inspection of tower of Loc.127 found twisted due to heavy landslide & heavy continuous rainfall in Soom Tea Garden under Darjeeling section. Line charged as 132 KV Siliguri-Melli II (Interim arrangement) at 19:20 hrs on 09-10-2024. This interim arrangement is obtained by horizontal jumpering at Loc-129 after disconnecting main jumper for both Rangit & Melli side.
132KV-RANGIT-KURSEONG-1	05-10-2024	S/d for inspection of tower of Loc.127 found twisted due to heavy landslide & heavy continuous rainfall in Soom Tea Garden under Darjeeling section. Line charged as 132 KV Siliguri-Melli II (Interim arrangement) at 19:20 hrs on 09-10-2024. This interim arrangement is obtained by horizontal jumpering at Loc-129 after disconnecting main jumper for both Rangit & Melli side.
400KV/220KV 315 MVA ICT 1 AT TSTPP	01-11-2024	Tripped on PRD protection
132KV-PATRATU-PATRATU-1 & 2	16-11-2024	Diversion/Heightening of line due to inadequate clearance from under construction railway Line by PVUNL
132KV-CHUZACHEN-RANGPO-1	29-11-2024	Rangpo : B-N ,Z-1, 7.8 KA, 5.61 KM
400KV-ALIPURDUAR (PG)-PUNASANGCHUN-JIGMELING-2	02-12-2024	SD Availed by Bhutan for rectify/Replace the LA for 400kV Jigmeling _Puna_ALI-1.

400KV-KHSTPP-BARH-2	07-12-2024	Uprating of bay & line equipments
400KV-ALIPURDUAR (PG)-PUNASANGCHUN-JIGMELING-1	10-12-2024	Jumper connection and interconnection removal at Kamichu
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
132KV-CHUZACHEN-RANGPO-1	04-02-2025	Maintenance Activities
220KV-DALKHOLA (PG)-GAZOLE-1&2	06-02-2025	To reduce loading of malda gazole after dalkhola pg bus return
400KV-NEW PURNEA-KISHANGANJ-1 & 2	18-02-2025	Facilitating Erection of New Tower on Pile foundation
220KV-KISHANGANJ(PG)-DALKHOLA (PG)-2	22-02-2025	Bus Isolator & Bus Conductor Replacement
400KV-MEDINIPUR-KHARAGPUR-1 &2	02-04-2025	Line tripping
132KV TRANSFER BUS COUPLER BAY AT GANGTOK	20-03-2025	For conversion of existing TBC bay into upcoming ICT-3 feeder Bay.
400KV/220KV 315 MVA ICT 1 AT LATEHAR(JUSNL)	22-04-2025	REF protection operated
132KV-BIRPARA(PG)-BIRPARA(WB)-1	01-04-2025	FOR INTEGRATION OF 132KV CRP PANELS IN NEW SAS
400KV/220KV 315 MVA ICT 2 AT LATEHAR(JUSNL)	16-04-2025	Transformer REF protection operated

Transmission licensees/ Utilities are requested to update expected restoration date & work progress regarding restoration regularly to ERLDC/ERPC 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 ERLDC/ERPC regularly. (Reported as per Clause 5.2(e) of IEGC).

Deliberation:
Members noted.

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

उत्पादन इकाइयाँ / GENERATING UNITS							
Sl. No.	स्थान Location / Pooling Station	NEW ELEMENTS COMMISSIONED DURING February, 2025	यूनिट संख्या/ स्रोत Unit	संकलित क्षमता (मेगावाट)	कुल/ स्थापित क्षमता (मेगावाट)	दिनांक DATE	टिप्पणी Remarks क्र

			No/ Source	Capacity added (MW)	Total/Installed Capacity (MW)		
NIL							
आई.सी.टी/जी.टी/एस.टी / ICTs/ GTs / STs							
क्र. 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
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	
NIL							

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
1	PGCIL ER-II	63MVAR NON-SWITCHABLE L/R OF 400KV-MAITHON-KHSTPP-1 AT MAITHON	MAITHON	400	12.04.2025	The existing 50 MVAr line reactor with Neutral Grounding Resistor (NGR) on this line was replaced with a 63 MVAr line reactor, also equipped with an NGR, at Maithon.
बस / BUS						
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
1	NTPC Kahalgaon	400KV TIE BAY OF (FSTPP-1 AND BARH-2) AT KHSTPP	NTPC Kahalgaon	400	05.04.2025	NTPC has upgraded the bay (3252) equipment(s) at the Kahalgaon switchyard to match the capacity of the Kahalgaon-Patna 400kV (Quad) D/C line, increasing the rating of Circuit Breaker from 2000A to 3150A.
एच.वी.डी.सी/ए.सी फिल्टर बैंक/फैक्ट्स डिवाइस संबद्ध प्रणाली / HVDC /AC Filter bank / FACTS DEVICE associated System						
क्र.	एजेंसी/ मालिक	एलेमेंट का नाम Element Name	उप-केन्द्र	वोल्टेज (केवी)	दिनांक DATE	टिप्पणी Remarks

Sl. No.	Agency /Owner		SUB-STATION	Voltage Level (kV)		
NIL						
बे / BAYS						
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**
NIL						

Members may note.

Deliberation:
Members noted.

4.4. UFR operation during the month of April 2025

Frequency profile for the month as follows:

MONTH	MAX (DATE/TIME)	MIN (DATE/TIME)	% LESS IEGC BAND	% WITHIN IEGC BAND	% MORE IEGC BAND
April, 2025	50.49 Hz on 06-04-2025 at 13:03 Hrs	49.42 Hz on 21-04-2025 at 19:04 Hrs	5.33	75.50	19.17

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

Deliberation:
Members noted.

****