



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत् मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत् समिति
Eastern Regional Power Committee

No. ERPC/COMMERCIAL//CCM/2025/1834

Date – 03.02.2025

To

संलग्न सूची के अनुसार /As per List Attached.

विषय: ईआरपीसी की 52वीं वाणिज्यिक उप-समिति की बैठक का कार्यवृत्त – के संबंध में।

Subject: Minutes of 52nd Commercial Sub-Committee Meeting of ERPC – reg.

महोदय/Sir,

कृपया, 28 जनवरी 2025 को वर्चुअल माध्यम से आयोजित ईआरपीसी की 52वीं वाणिज्यिक उप-समिति की बैठक का कार्यवृत्त आपकी सूचना एवं आवश्यक कार्रवाई हेतु संलग्न है।

The Minutes of 52nd Commercial Sub-Committee Meeting of ERPC held on 28th January 2025 through virtual mode is enclosed for your kind information and necessary action, please.

इसे ईआरपीसी के सदस्य सचिव के अनुमोदन से जारी किया जा रहा है।

This issues with the approval of Member Secretary, ERPC.

Encl.: As above

भवदीय / Yours Faithfully

प्रमून दे
3.2.25

(पी.के. दे/ P.K. De)

Superintending Engineer (Commercial)

Distribution List-CC Members:

1. Director (Project), BSPTCL, Vidyut Bhavan, Bailey Road, Patna-800001.
2. Director (Project), SBPDCL, Vidyut Bhavan, Bailey Road, Patna-800001.
3. Director (Project), NBPDC, Vidyut Bhavan, Bailey Road, Patna-800001.
4. Chief Engineer (Commercial), BSPHCL, Vidyut Bhavan, Bailey Road, Patna-800001.
5. Executive Director (Comml.), DVC, Kolkata
6. Executive Director, JUSNL, Engineering Building, HEC, Dhurwa, Ranchi-834004.
7. Chief Engineer (C&R), JBVNL, Engineering Building, HEC, Dhurwa, Ranchi-834004.
8. Chief General Manager (PP), GRIDCO, Bhubaneswar-751022
9. Chief General Manager (R&T), OPTCL, Bhubaneswar-751023
10. Asst. General Manager (F&A), Finance Wing, OHPC, Bhubaneswar
11. Sr. General Manager (Finance), OPGC, Odisha
12. Executive Director (RT), WBSEDCL, Kolkata
13. Chief Engineer (Commercial), WBSETCL, Bidyut Bhavan, Bidhannagar, Kolkata-700091
14. Chief Engineer, SLDC, WBSETCL, Howrah
15. General Manager (Commercial & Operations), WBPDC, Kolkata
16. Chief Engineer (Trans), Deptt. Of Power, Govt. Of Sikkim, Gangtok-737201
17. Executive Director, ERLDC, Kolkata-700033
18. Director (GM), CEA, New-Delhi-110066
19. General Manager (Comml. -ER), NTPC, Corporate Centre, New Delhi.
20. AGM (Comml.), ER – I HQ, NTPC Ltd., Loknayak Jaiprakash Bhawan, 2nd Floor, Dak Banglow Chowk, Fraser Road, Patna – 800001.
21. AGM (Comml.), ER – II HQ, NTPC Ltd., 3rd, 4th & 5th Floor, OLIC Building, Nayapalli, Bhubaneswar – 751012
22. Chief Engineer (Commercial), NHPC, Faridabad
23. GM(Comml.), ER-I, Powergrid, Patna
24. GM(Comml.), ER-II, Powergrid, Kolkata
25. GM (Comml.), Powergrid, Odisha Projects, Sahid Nagar, Bhubaneswar – 751 007.
26. ED(Commercial), PTC india Limited, 2nd Floor NBCC Tower, Bikaji Cama Palace, New Delhi-110066
27. GM (BD&PS), NVVN Ltd, Scope Complex, Core-3, 7th Floor, Lodhi Road, New Delhi-110003
28. General Manager (SO), CESC Ltd., Kolkata
29. Vice-President (OPN-ER), Tata Power Co. Ltd., Jamshedpur
30. Head (Commercial), MPL, MA-5 Gogna Colony, P.O- Maithon Dam, Jharkhand-828207
31. Associate Vice President (CC), GMR Kamalanga Energy Ltd. (GKEL), Bhubaneswar 42303994
32. ED (Power Sales), JITPL, Plot-12, Local Shopping Complex, Sector B-1, Vasant Kunj, New Delhi-110070
33. President (Commercial), APNRL, Crescent Tower, 3rd Floor, Kolkata-700020,
34. ED (Commercial), Sikkim Urja Limited, Barakhamba Road. New Delhi – 110001.
35. AGM, BRBCL, Nabinagar, Aurangabad BIHAR.
36. Head (Commercial), TPTCL, Tata Power Co Ltd, Shatabdi Bhawan, NOIDA – 201 301
37. ED, DANS Energy Pvt Ltd, Jorethang HEP, DLF Cyber City, Phase-II, GURGAON – 122 002
38. Director, Shiga Energy Pvt. Ltd., Tashiding HEP, 5th Floor, DLF Building No. 8, Tower-C, DLF Cyber City, Phase-II, Gurgaon – 122002
39. CEO, Sneha Kinetic Power Projects Pvt. Ltd., Dikchu HEP, #31 -A, National Highway, Behind SNOD building, Deorali, Gangtok, Sikkim-737102.

40. Head (Commercial), Gati Infrastructure Pvt. Ltd, Chuzachen HEP, Takchang, Sikkim 737106.
41. General Manager, Rongnichu HEP, MBPCL, Sikkim-737102
42. Associate Director (Commercial & Regulatory), DMTCL, Sekura Energy Limited, Mumbai
43. CEO, Adani Power Transmission Limited, Gujrat-382028
44. DGM, Sikkim Power Transmission Limited, New Delhi-110066
45. Head (Regulatory & Contract), IndiGrid Limited, Mumbai-400079
46. CEO, Cross Boarder Power Transmission Limited, Gurgaon-122001
47. Head, Bhutan Power System Operator, Thimpu, Bhutan
48. Managing Director, DGPC, Thimpu, Bhutan
49. Member Secretary, NRPC, New Delhi
50. Member Secretary, WRPC, Mumbai
51. Member Secretary, SRPC, Bangalore
52. Member Secretary, NERPC, Shillong
53. Member Secretary, NPC, CEA, New Delhi

वितरण सूची-सीसी सदस्य:

1. निदेशक (परियोजना), बीएसपीटीसीएल, विद्युत भवन, बेली रोड, पटना-800001।
2. निदेशक (परियोजना), एसबीपीडीसीएल, विद्युत भवन, बेली रोड, पटना-800001।
3. निदेशक (परियोजना), एनबीपीडीसीएल, विद्युत भवन, बेली रोड, पटना-800001।
4. मुख्य अभियंता (वाणिज्यिक), बीएसपीएचसीएल, विद्युत भवन, बेली रोड, पटना-800001।
5. कार्यकारी निदेशक (वाणिज्य), डीवीसी, कोलकाता
6. कार्यकारी निदेशक, जेयूएसएनएल, इंजीनियरिंग बिल्डिंग, एचईसी, धुर्वा, रांची-834004।
7. मुख्य अभियंता (सी एंड आर), जेबीवीएनएल, इंजीनियरिंग बिल्डिंग, एचईसी, धुर्वा, रांची-834004।
8. मुख्य महाप्रबंधक (पीपी), ग्रिडको, भुवनेश्वर-751022
9. मुख्य महाप्रबंधक (आर एंड टी), ओपीटीसीएल, भुवनेश्वर-751023
10. सहा. महाप्रबंधक (एफ एंड ए), वित्त विंग, ओएचपीसी, भुवनेश्वर
11. वरिष्ठ महाप्रबंधक (वित्त), ओपीजीसी, ओडिशा
12. कार्यकारी निदेशक (आरटी), डब्ल्यूबीएसईडीसीएल, कोलकाता
13. मुख्य अभियंता (वाणिज्यिक), डब्ल्यूबीएसईटीसीएल, विद्युत भवन, बिधाननगर, कोलकाता-700091
14. मुख्य अभियंता, एसएलडीसी, डब्ल्यूबीएसईटीसीएल, हावड़ा
15. महाप्रबंधक (वाणिज्यिक एवं परिचालन), डब्ल्यूबीपीडीसीएल, कोलकाता
16. मुख्य अभियंता (ट्रांस), विभाग। सत्ता की, सरकार. सिक्किम का, गंगटोक-737201
17. कार्यकारी निदेशक, ईआरएलडीसी, कोलकाता-700033
18. निदेशक (जीएम), सीईए, नई दिल्ली-110066
19. महाप्रबंधक (वाणिज्य-ईआर), एनटीपीसी, कॉर्पोरेट सेंटर, नई दिल्ली।
20. एजीएम (कॉमल.), ईआर - I मुख्यालय, एनटीपीसी लिमिटेड, लोकनायक जयप्रकाश भवन, दूसरी मंजिल, डाक बंगला चौक, फ्रेजर रोड, पटना - 800001।
21. एजीएम (कॉमल.), ईआर - II मुख्यालय, एनटीपीसी लिमिटेड, तीसरी, चौथी और पांचवीं मंजिल, ओएलआईसी बिल्डिंग, नयापल्ली, भुवनेश्वर - 751012
22. मुख्य अभियंता (वाणिज्यिक), एनएचपीसी, फरीदाबाद
23. महाप्रबंधक (वाणिज्य), ईआर-I, पावरग्रिड, पटना
24. जीएम (वाणिज्य), ईआर-II, पावरग्रिड, कोलकाता
25. जीएम (कॉमल.), पावरग्रिड, ओडिशा प्रोजेक्ट्स, साहिद नगर, भुवनेश्वर - 751 007।
26. ईडी (वाणिज्यिक), पीटीसी इंडिया लिमिटेड, दूसरी मंजिल एनबीसीसी टॉवर, बीकाजी कामा पैलेस, नई दिल्ली-110066
27. जीएम (बीडीएंडपीएस), एनवीवीएन लिमिटेड, स्कोप कॉम्प्लेक्स, कोर-3, 7वीं मंजिल, लोधी रोड, नई दिल्ली-110003
28. महाप्रबंधक (एसओ), सीईएससी लिमिटेड, कोलकाता
29. उपाध्यक्ष (ओपीएन-ईआर), टाटा पावर कंपनी लिमिटेड, जमशेदपुर
30. हेड (वाणिज्यिक), एमपीएल, एमए-5 गोगना कॉलोनी, पोस्ट ऑफिस- मैथन डैम, झारखंड-828207
31. एसोसिएट वाइस प्रेसिडेंट (सीसी), जीएमआर कमलंगा एनर्जी लिमिटेड (जीकेईएल), भुवनेश्वर 42303994
32. ईडी (पावर सेल्स), जेआईटीपीएल, प्लॉट-12, लोकल शॉपिंग कॉम्प्लेक्स, सेक्टर बी-1, वसंत कुंज, नई दिल्ली-110070
33. अध्यक्ष (वाणिज्यिक), एपीएनआरएल, क्रिसेंट टॉवर, तीसरी मंजिल, कोलकाता-700020,
34. ईडी (वाणिज्यिक), सिक्किम ऊर्जा लिमिटेड, बाराखंभा रोड। नई दिल्ली-110001.

35. एजीएम, बीआरबीसीएल, नबीनगर, औरंगाबाद बिहार।
36. प्रमुख (वाणिज्यिक), टीपीटीसीएल, टाटा पावर कंपनी लिमिटेड, शताब्दी भवन, नोएडा - 201 301
37. ईडी, डीएनएस एनर्जी प्राइवेट लिमिटेड, जोरेंथांग एचईपी, डीएलएफ साइबर सिटी, चरण- II, गुड़गांव - 122 002
38. निदेशक, शिगा एनर्जी प्रा. लिमिटेड, ताशीडिंग एचईपी, 5वीं मंजिल, डीएलएफ बिल्डिंग नंबर 8, टॉवर-सी, डीएलएफ साइबर सिटी, चरण- II, गुड़गांव - 122002
39. सीईओ, स्नेहा काइनेटिक पावर प्रोजेक्ट्स प्राइवेट लिमिटेड। लिमिटेड, डिकचू एचईपी, #31-ए, राष्ट्रीय राजमार्ग, एसएनओडी बिल्डिंग के पीछे, देवराली, गंगटोक, सिक्किम-737102।
40. प्रमुख (वाणिज्यिक), गति इंफ्रास्ट्रक्चर प्रा. लिमिटेड, चुजाचेन एचईपी, तकचांग, सिक्किम 737106।
41. महाप्रबंधक, रोंगनिचु एचईपी, एमबीपीसीएल, सिक्किम-737102
42. एसोसिएट निदेशक (वाणिज्यिक एवं नियामक), डीएमटीसीएल, सेकुरा एनर्जी लिमिटेड, मुंबई
43. सीईओ, अदानी पावर ट्रांसमिशन लिमिटेड, गुजरात-382028
44. डीजीएम, सिक्किम पावर ट्रांसमिशन लिमिटेड, नई दिल्ली-110066
45. प्रमुख (नियामक एवं अनुबंध), इंडीग्रिड लिमिटेड, मुंबई-400079
46. सीईओ, क्रॉस बोर्डर पावर ट्रांसमिशन लिमिटेड, गुड़गांव-122001
47. प्रमुख, भूटान पावर सिस्टम ऑपरेटर, थिम्पू, भूटान
48. प्रबंध निदेशक, डीजीपीसी, थिम्पू, भूटान
49. सदस्य सचिव, एनआरपीसी, नई दिल्ली
50. सदस्य सचिव, डब्ल्यूआरपीसी, मुंबई
51. सदस्य सचिव, एसआरपीसी, बैंगलोर
52. सदस्य सचिव, एनईआरपीसी, शिलांग
53. सदस्य सचिव, एनपीसी, सीईए, नई दिल्ली



MINUTES

OF

52nd CCM

Date: 28.01.2025, Time: 11:00 Hrs.

(Through MS Teams online Platform)

Eastern Regional Power Committee

14, Golf Club Road, Tollygunge

Kolkata: 700033

EASTERN REGIONAL POWER COMMITTEE

MINUTES OF 52nd CCM HELD ON 28.01.2025 AT 11:00 HRS THROUGH MS TEAMS

List of participants is enclosed at Annexure-A. Member Secretary welcomed all the participants to the meeting.

ITEM NO. A1: Confirmation of the minutes of the 51st Commercial Sub-Committee meeting held on 13.08.2024 through online platform.

The minutes of the 51st Commercial Sub-Committee meeting was issued vide no. ERPC/Commercial/CCM/ 2024/908, dated 29.08.2024 and uploaded on ERPC website.

No observation on the same received so far.

Members may confirm the minutes of the 51st Commercial Sub-Committee Meeting.

Deliberation in the Meeting

Members confirmed the minutes of 51st Commercial Sub-committee Meeting.

PART B: ITEMS FOR DISCUSSION

ITEM NO. B1: Laying of OPGW on Transmission lines in Eastern Region: CTU

Revised OPGW list for laying of OPGW on these links is tabulated below:

S.N.	Description	Link Length (km)	Design Attenuation (dB)	Actual Attenuation (dB)	Year of Commissioning	FOTE Requirement
1	400kV Prayagraj (Allahabad)–Sasaram	214.42	53.61	71.82 ↑ (+18.21)	2004	Covered in Congestion Scheme
2	400kV Farakka – Sagardighi II -Jeerat	(84.71+ 219.45)304	59.21	73.43 ↑ (+14.62)	2004	1 no STM-64 for Sagardighi. (Farakka, Jeerat covered in Congestion Scheme)
3	400kV Indravati-Rengali-Talcher	377.31	94.33	122.22↑ (+27.89)	2005	2 nos. STM-16 One each at Indravati, Rengali. (Talcher covered in AGC scheme.)

4	400kV Malda - Purnea & 400kV Purnea - Binaguri	367.34 (176.89+190.47)	52.73	75.10↑ (+22.37)	2004	1 no. STM-64 for Malda. (Binagudi, Purnea covered in Congestion Scheme)
5	400kV Binagauri-Bongaigaon	239.81	25.94	78.94↑ (+53)	2004	No requirement at Bongaigaon as per POWERGRID input.
	Total=	Approx. 1503 km				2 nos.- STM 16 2 nos. STM 64

Accordingly, it is proposed that 48F OPGW may be laid on above lines along with required FOTEs (2 no STM-64, 2 No STM-16) as mentioned above. The cost of laying OPGW on above links approx. 1503 km is approx. Rs 84.74 Crores. It is proposed to lay OPGW as a new scheme i.e. Eastern Region OPGW Strengthening Scheme (ERSS).

In 16th TeST meeting, the proposal was referred to CCM for commercial vetting.

CTU and Powergrid may explain. Members may discuss.

Deliberation in the Meeting

WBSETCL submitted that DTPC at Sagardighi end may be included in the scope of the work.

The committee agreed with the proposed cost estimate of Rs. 84.74 Crore and referred for concurrence of 53rd TCC & ERPC. Committee advised Powergrid/CTU to explore inclusion of DTPC at Sagardighi in the present scope and submit the cost implication of the same in the forthcoming TCC Meeting.

ITEM NO. B2: Renewal of AMR AMC Services for 77 SEM Quantity

- LOAs of AMR system were awarded in phased manner, considering the available number of Meters present at the time of LOA placement which needed to be integrated with existing AMR system. AMR Phase-3 LOA was awarded in Oct-2016 and subsequently a small quantity variation order was placed in Jul-2019 for integration of additional 77 SEM with 5 years AMC. The corresponding AMC for these 77 Meters are valid till 31-Dec-2024. AMC renewal for these Meters is required to carry out the regular AMC job.
- Considering the AMC Renewal of these 77 Meters from 01-Jan-25 till 31-Mar-26 (To make uniform AMC completion period of all phases), total cost implication comes to Rs. **14,28,562 INR** (excluding Taxes). Rates are taken from already in force AMC LOA of Phase-1/2 combine (For 656 SEM).

- Considering very small cost implications for AMC component, it is proposed for finalization of the AMC contract for proposed 77 SEMs with Quantity Variation of existing LOA, such that AMC of above-mentioned SEM's should continue without any gap.

- In view of the uninterrupted support to AMR network, 219th OCC consented to the proposal of renewal of AMC for 77 SEMs till March 2026 and referred it to CCM.

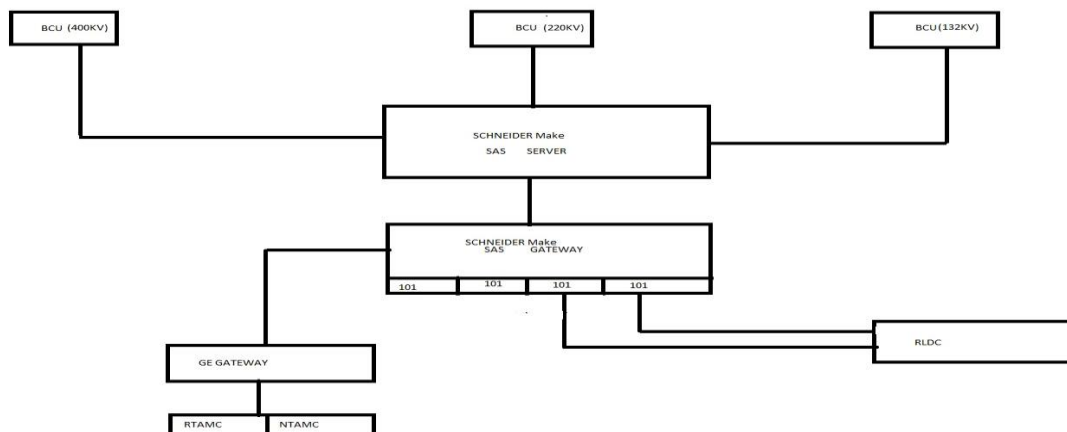
Powergrid ER-II may update. Members may discuss.

Deliberation in the Meeting

The Committee agreed with the proposed cost estimate of Rs. 14,28,462 /-(excluding GST) and referred for the concurrence of 53rd TCC & ERPC.

ITEM NO. B3: Upgradation of Substation Automation System at Rangpo 400/220/132KV Substation: Powergrid ER-II

- 400/220/132KV Rangpo is a pooling station located at Sikkim is the most critical substation in Sikkim. Substation Automation System (Schneider Make) was commissioned at Rangpo S/s in 2014.
- Realtime data communication from POWERGRID Rangpo sub-station to ERLDC is done through 101 protocol as there is no provision of 104 protocol in the existing SAS.



As per deliberation in **222nd OCC**

Powergrid ER-II apprised:

- ✓ Existing Rangpo SS was one of the first SAS based S/S among India and having comparatively older configuration of SAS architecture. Under present scope, data communication to RLDC/Remote gateways are still done through IEC 101 only and creating lot of disturbances and reliability issues.
- ✓ To address the issue, it is proposed to upgrade the existing SAS architecture with standard architecture with IEC 104 protocol. Further, he stressed upon that, already under SAS-Y package has rate/Scope of similar items executed in other SS and can be exercised. Further as per CERC tariff regulation (2024-29) vide definition of Useful Life, IT equipment/SCADA considered as 07

Years, whereas SCADA system at Rangpo is already 10 years old and commercially eligible for replacement.

✓ Although, as upgradation of Rangpo SAS is likely to be carried out in 2025, capitalization and commercial aspects (Tariff petitions) will not be linked with existing SAS-Y package.

✓ It is proposed to include necessary commercial implications for all purpose including Tariff Petition with ERBS-II package for the exact part of Rangpo SAS upgradation.

222nd OCC Decision

- OCC accorded in-principle approval to the proposal of Powergrid ER-II.
- OCC also referred the proposal to next CCM for commercial vetting.

Powergrid ER-II may update. Members may discuss.

Deliberation in the Meeting

Powergrid updated that cost negotiation is being carried out with the vendor and the tentative cost implication for this proposal will be Rs. 60 lakhs(excluding GST).

Commercial Committee agreed with the proposal with tentative cost of Rs 60 lakhs(excluding GST) and referred it to 53rd TCC & ERPC for approval.

ITEM NO. B4: Proposal for keeping SAS at Durgapur S/S under Package-Y as spare at SAS Lab of Rajarhat: Powergrid ER-II

➤ Upgradation/Replacement of SCADA/RTUs/SAS in POWERGRID Stations in Eastern Region has been carried out in package-Y by M/s. Siemens under the Project - Upgradation of SCADA/RTU/SAS in Central Sector Stations and strengthening of OPGW in Eastern Region. Under this project, SAS upgradation was envisaged at Durgapur S/S.

➤ However, during detail engineering stage it is observed that merely upgrading, the communication equipment will not serve the purpose as life of other associated items for data reporting (MFTs/transducers/BCU etc) which are installed in the existing system have also come to an end and also there are many operational challenges as this is an old conventional substation. Therefore, only upgradation of SAS part will not accomplish the desired aim.

➤ In view of the same, Upgradation of entire Durgapur Substation into a SAS based station (Distributed control) is being undertaken under ADDCAP 2024-2029 tariff block and it is expected that the work will be completed by March-2026.

▪ Further in Rajarhat Sub-station, POWERGRID, has already developed inhouse SAS Lab, which are used for training/learning/bench testing of various SAS items.

▪ It is proposed to keep the SAS supplied at Durgapur Substation at SAS Lab, Rajarhat Substation, as ready spare for all Siemens make SAS system of ER-II.

▪ Regular health monitoring can be done as well same can be used for training & development work.

▪ Only Supply and F&I cost of the SAS item will be booked in ongoing SAS-Yproject and the erection cost will deleted from this project.

In 222nd OCC Meeting,

- OCC accorded in-principle approval to the proposal of Powergrid ER-II
- OCC referred the proposal to next CCM for commercial vetting.

Powergrid ER-II may update. Members may discuss.

Deliberation in the Meeting

Powergrid updated that existing SAS of Durgapur S/s will be kept as ready spare at SAS Lab, Rajarhat and the SAS can also be used for training/learning of various SAS items by ER state utilities.

Powergrid also updated that the cost implication for supply and F&I of said SAS of Durgapur S/s will be around Rupees 45 lakhs.

The Commercial Committee agreed with tentative cost involvement of Rupees 45 lakhs and referred it to 53rd TCC & ERPC for concurrence.

ITEM NO. B5: Conducting VAPT assessment for AMR Asset in ERLDC (in Compliance of Cyber security guidelines): [Powergrid ER-II](#)

- AMR system Data Centre hardware & software was refreshed in Jun-23. New Servers, Networking Devices and the new AMR application are currently being used in AMR system.
- ERLDC using the system for getting the SEM data on weekly basis. Current System is completely isolated from ERLDC IT Network, and the entire data communication is happening over LAN network.
- No public IP based data communication is present, and the AMR application is only accessible at ERLDC LAN Network.
- However, considering the upcoming requirements and the recent testing/POC of new type of Meters, new set of data requirements etc. it is recommended to conduct a complete VA/PT assessment of the system.
- This assessment will help to locate the necessary process improvement (If any) areas in order to make the system more robust and eliminate the security vulnerabilities (if any). The VA/PT assessment will be conducted once in every six months, as per the guidelines.

Count of the AMR Hardware as below:

Server	07	AMR Application	01
Managed Switches	02		
Firewall	01		
Router	01		

VA/PT will be conducted on both the Hardware and the Application. Cost estimation has been received from a CERT-IN certified vendor to conduct one round of VAPT. The existing AMR system Contract is valid till Mar-2026, hence VAPT will be needed for upcoming 04 cycles starting from Dec-24 month. Cost involvement will be as below:

Description	Unit Price (without GST)	No. of Cycle	Total Price (without GST)
VAPT of Hardware	40,000	04	1,60,000
Security testing of AMR Application	25,000	04	1,00,000
Total Cost of ownership (without GST)			2,60,000

PGCIL will initiate the necessary tendering (Limited tendering among CERT In certified vendors)

As per deliberation in **222nd OCC**

- OCC agreed to the proposal (along with cost implications) of carrying out VAPT assessment of AMR assets in ERLDC by CERT-In enlisted vendors. This is to be done after completion of third-party cybersecurity audit.
- OCC referred to CCM for commercial vetting.

Powergrid ER-II may explain. Members may discuss.

Deliberation in the Meeting

Commercial Committee agreed with the cost estimate of Rs. 2.6 lakh(excluding GST) and referred it to 53rd TCC & ERPC for approval.

ITEM NO. B6: Discrepancies in Start-up bill for the month of October 24: PVUNL

Background:

- Agreement was to provide start up power through Patratu-Patratu line that is ATS line of PVUNL, however, due to delay in ATS by JUSNL, the TVNL-PVUNL line was made with modification of Towers for 400kV line, and this was erected at additional cost of INR 13.72 Cr(approx.) which was borne by PVUNL.
- This line was dedicated line for PVUNL to provide Start up Power with an agreement of minimum contract demand of 20.05 MVA by JBVNL even though the actual requirement of power for commissioning was approx. 2-3 MVA.
- Every month PVUNL was paying approximately 60 lakhs towards contract demand of 20 MVA even though actual consumption was 2-3 MVA.
- JBVNL employs a billing methodology based on kVA and kVAh, instead of the traditional kW and kWh approach. Despite separate agreement for drawl of Start up power in other projects, JBVNL here insisted for agreement for HT Consumer basis which is yet to signed and pending at JBVNL end.
- Grid Code categorize reactive power support provided for grid stability and quality as an “Ancillary Service”. Also, entities that draw reactive power when system voltage exceeds 103% are eligible for incentives. The current billing approach by JBVNL contradicts these established regulations and results in an exorbitant charge to maintain grid stability.

- To ensure grid stability and prevent voltage fluctuations, 125MVAR Bus Reactor at PVUNL end was taken into service in consultation with ERLDC/ SLDC. The reactor was in service for over 11 days (from 17.10.2024 to 29.10.2024) during the month.

222nd OCC referred the discrepancy in start-up power bill to CCM for deliberation.

PVUNL may explain. Members may discuss.

Deliberation in the Meeting

Representative of Jharkhand and PVUNL was not present in the meeting, Committee is of view that as the issue is of bilateral nature, PVUNL & Jharkhand may settle the issue bilaterally.

ITEM NO. B7: Agenda by NTPC.

A. Consideration of Partial Outages of Generating Stations in calculation of DSM Accounts.

Vide CERC Notification No. L-1/260/2021/CERC, Dated: 5th August, 2024, Clause 8 - Charges for Deviation, Sub-Clause (12) states as follows:

Quote

(12) Notwithstanding anything contained in Clauses (1) to (11) of this Regulation, in case of forced outage or partial outage of a seller, the charges for deviation shall be @ the reference charge rate for a maximum duration of eight time blocks or until the revision of its schedule, whichever is earlier.

Unquote

The said notification has been effective from 16.09.2024. However, in case of partial outage, "Deviation rate @ reference charge" has not yet been incorporated in the DSM calculation, as evident from the DSM statements published by ERPC. The same may please be incorporated.

In this issue, as a reference NPGCL has submitted few cases of partial outage of their unit and intimated that other generators of NTPC are submitting the partial outage data to ERLDC on regular basis and further requested to incorporate the same in the DSM.

NTPC may update. Members may discuss.

Deliberation in the Meeting

NTPC raised the issue of consideration of partial outage of generating stations in DSM calculations and stated that the same is not being considered in DSM accounting of ERPC.

ERPC secretariat intimated that due to unavailability of partial outage data the account was not revised as the data of partial outage.

ERLDC intimated that the partial outage data in respect of ER ISGS as received from the concerned generating stations has been forwarded to ERPC recently.

It was deliberated that in the present regulation, the provision of verification of the outage data is not clearly

outlined. Member Secretary, ERPC opined that a proper methodology shall be adopted for verification and finalization of the events of partial outage before considering the events for DSM calculations.

Committee advised NTPC to share the procedure being followed in the other region in this regard. The issue may be placed in 53rd TCC Meeting for deliberation and for further advise.

B. Schedule Generation Below Technical Minimum- Non-Compliance w.r.t. IEGC-2023-reg.

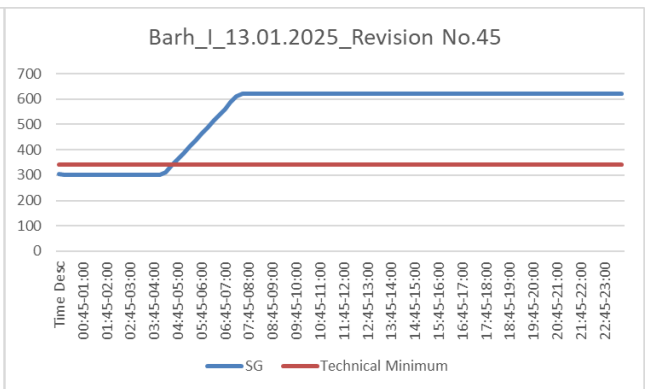
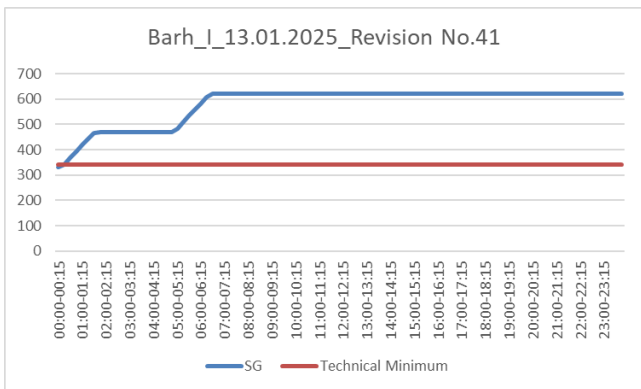
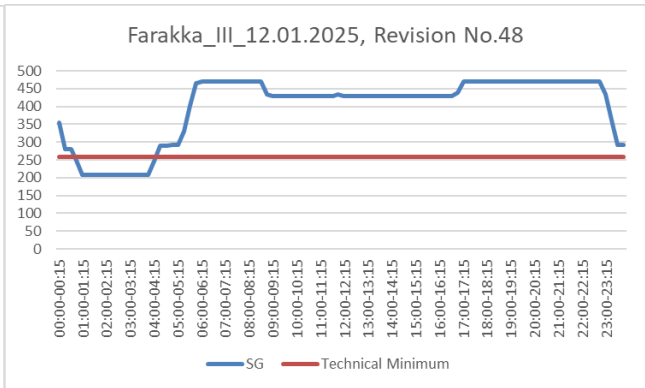
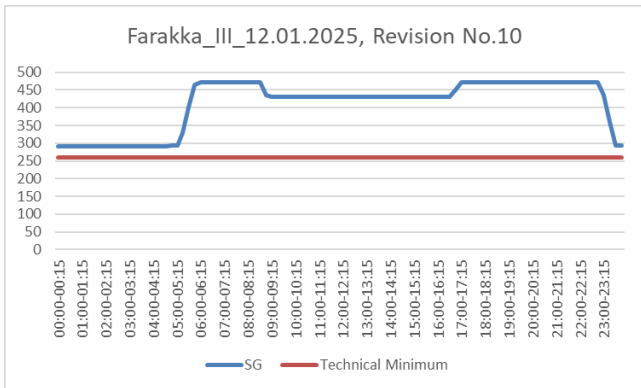
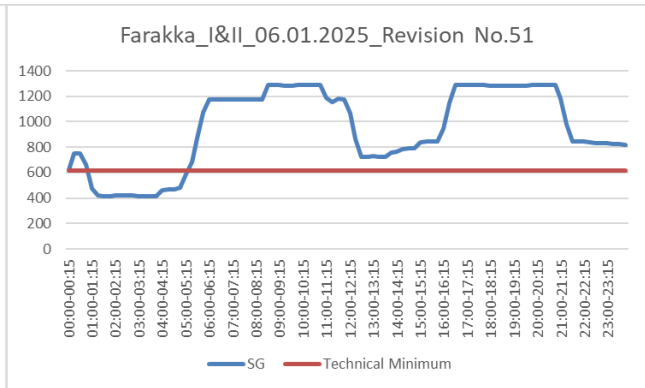
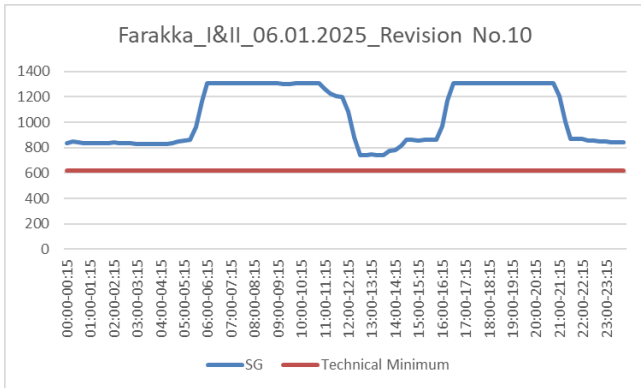
Recently, on some occasions, few beneficiaries reduce their requisitions after 1430 hrs. of D-I which brings down the total SG of the generating station below its technical minimum. Details of such occasions are mentioned below:

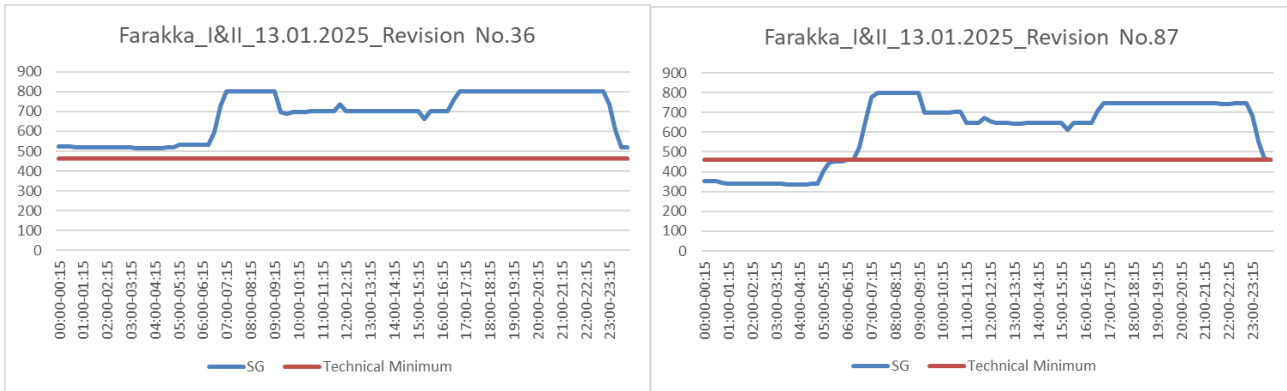
Date	Station	Tech. Min. (MW)	SG before 14:30 hrs of D-1 (MW)	SG<TM before despatch on D (MW)	Quantum backed down by Beneficiaries (MW)
06.01.2025	Farakka_I&II	617	835 Block No. (05-21)	Min- 405 Max- 540 Block No. (05-21)	Assam -17 Bihar-189 Delhi- 9 Gujrat-110 Jharkhand- 51 Odisha- 11 Tamil Naidu- 8 UP- 14
13.01.2025	Farakka_I&II	463	520 Block No. (1-24)	Min- 339 Max- 454 Block No. (1-24)	Assam- 9 Bihar- 92 Gujrat-54 Odisha- 4 TN- 4/UP- 7
12.01.2025	Farakka_III	259	290 Block No. (05-17)	Min 209 Max- 245 Block No. (05-17)	Bihar- 41 WB- 38
13.01.2025	Barh_I	342	469 Block No. (1-20)	Min- 299 Max- 336 Block No. (1-20)	Bihar- 169

Referring to the examples mentioned above, it appears that the current scheduling software is not configured to comply with regulatory provisions i.e. restricting the scheduling of a generating station below its technical minimum after 14:30 hrs on D-1. As SCUC support was also not provided if the downward revision of schedule by beneficiaries after 1500 Hr. i.e. after issuance of the SCUC entitlement list. Resulting, the station forces to incurred significant losses to maintain its technical minimum and make it available to cater peak demand of the beneficiaries.

It is requested that such provisions to be incorporated in the scheduling software and direct the DISCOMs to refrain from downward scheduling after 1430 hrs on D-1 to comply with the regulations. This is required to ensure the operational efficiencies of the stations, grid-stability, and avoiding commercial loss to the

generator.





Applicable Clauses/Regulations:

1. Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2023, clause No. 4(b) Section 46
2. Central Electricity Regulatory Commission (Indian Electricity Grid Code) (First Amendment) Regulations, 2024: Clause No. 6(5)10

NTPC and ERLDC may update. Members may discuss.

Deliberation in the Meeting

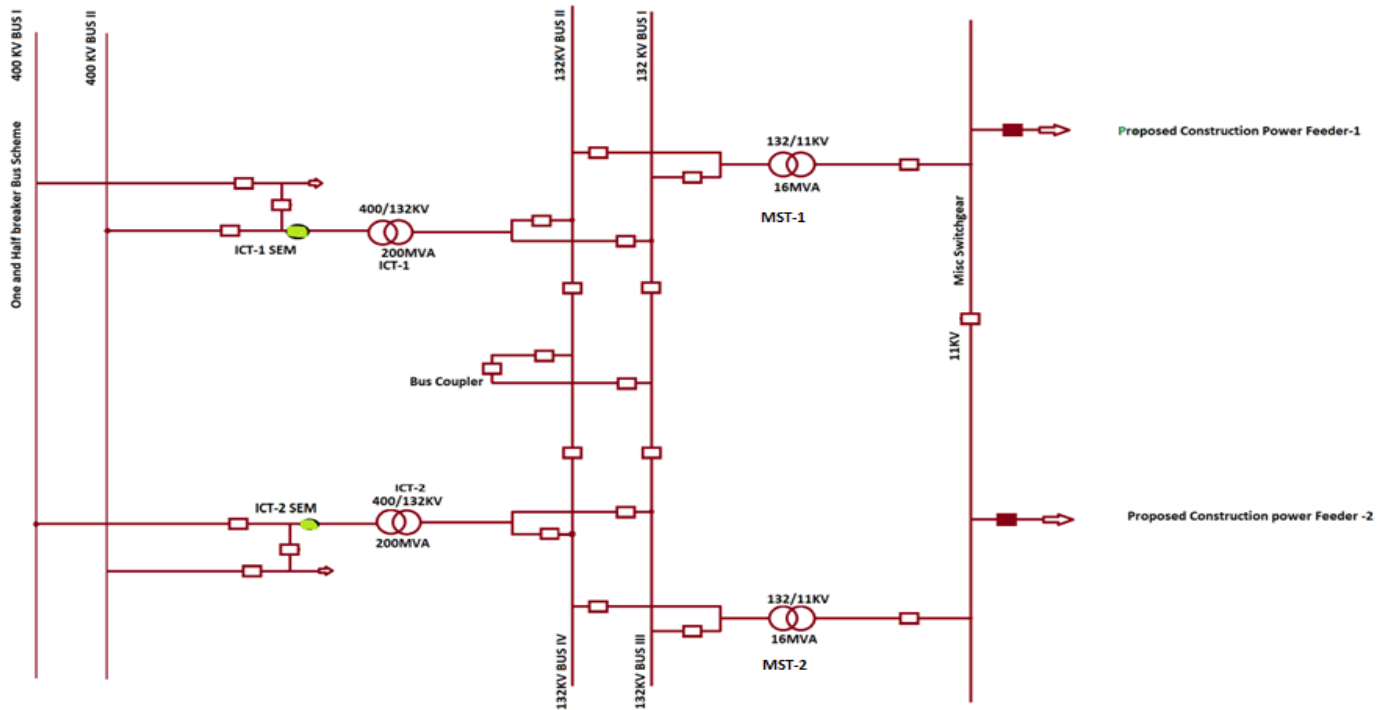
ERLDC updated that software issue is being looked into by NLDC and it is expected to be resolved latest by first week of February-25.

C. Provision of construction power supply for FGD from existing commercialized units of Nabinagar Stage-I.

In the 52nd TCC& ERPC Meeting NTPC & SBPDCL were advised to settle the issues bilaterally and shall submit the final metering arrangement at Nabinagar to ERPC/ERLDC.

SBPDCL and NTPC are now agreed for the modalities. The metering scheme and modalities may please be approved.

SLD For Proposed Construction Power Scheme for NTPC Nabinagar Stage II



NTPC ER-I may explain. Members may discuss.

Deliberation in the Meeting

NTPC updated that SBPDCL has given their consent for drawal of Construction Power for stage-II of NPGCL from NPGCL stage-I switchyard.

Committee advised NTPC to submit the acceptance letter received from Bihar Discom to ERPC. Also NTPC was requested to submit detailed metering scheme for accounting of the energy drawal for said construction work in coordination with ERLDC in the forthcoming TCC Meeting.

Committee referred the agenda to 53rd TCC for discussion and further advise.

D. Sale of URS power in RTM / DAM in case beneficiary wants the power in exigency T-GNA in D-1.

As per clause 29.4 of Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022: Applications received till 1300 hrs. of (S-1) day shall be processed after 1300 hrs. on (S-1) day on first come-first-served basis and shall be finalized by 1400 hrs. of (S-1) day.

Sometimes it is experienced that the exigency-TGNA is granted to beneficiary even the URS quantum is already cleared in the DAM, lead to and the Scheduled Generation exceeds the Declared Capacity with respect to the Generating Station.

To avoid this situation, ERLDC should put a limit to the quantum under T-GNA to keep the total Scheduled Generation under the DC.

NTPC may explain. Members may discuss.

Deliberation in the Meeting

ERLDC intimated that the issue has been resolved.

E. Accounts Revision.

- **Barh: DSM revision for Barh Stage-2 Dated 02.04.2024.**

DSM calculation for 1st April;2024 has been deliberated in TCC meeting.

The DSM calculation may be normalized @ECR for 2nd April'2024 for 16 blocks in same way as same condition persisted on 1st April'2024.

NTPC may update. Members may discuss.

Deliberation in the Meeting

ERPC Secretariat stated that the revision of DSM account due to the event on 01.04.2024 was discussed in the last CCM and the revision requested by NTPC for 02.04.2024 should have been raised in the last meeting.

Committee advised NTPC to refrain from presenting such type of cases in future. However, the Committee opined that in line with decision taken in 52nd TCC Meeting, the DSM account may be revised by ERPC Secretariat for Barh-II for 16 blocks of 02.04.2024 and this relaxation shall not be considered in future as reference.

Committee noted It was agreed to revised the DSM account of NTPC Barh for 02.04.2024.

ITEM NO. B8: Request for Intervention in Recovery of Outstanding Dues from Government of Sikkim - WBSEDCL.

The Energy and Power Department of the Government of Sikkim has an agreement with WBSEDCL for the purchase of power at a tariff based on the generation cost of the Rammam Hydel project operated by WBSEDCL. In line with this arrangement, the Government of Sikkim has been drawing power from WBSEDCL on a regular basis but has been reluctant to settle the bills since 2017. Additionally, WBSEDCL previously purchased power from the Government of Sikkim on a consumer basis until June 2023. The

volume of power purchased by WBSEDCL was significantly less compared to the amount of power sold to the Government of Sikkim. After accounting for adjustments related to purchases and sales, as well as surprise payments made by Sikkim for November and December 2021, the current outstanding dues as on 31.12.2024 from the Government of Sikkim amount to approximately Rs. 99.80 Crores. This figure includes a Late Payment Surcharge (LPSC) of Rs. 43.84 Crores. The issue was raised in 42nd Commercial Sub-Committee Meeting as well as in 43rd & 52nd TCC & ERPC Meeting. However, there has been no positive response or payment from the Government of Sikkim thus far.

Till date WBSEDCL has made several attempts to resolve this issue but has found no satisfactory remedy. In view of the prolonged nature of this issue and the substantial outstanding amount, WBSEDCL is again seeking intervention from the ERPC platform with a request to take necessary actions to address the issue with the appropriate higher platform like CEA & MOP.

WBSEDCL may update and explain. Members may discuss.

Deliberation in the Meeting

WBSEDCL highlighted the issue of outstanding dues by WBSEDCL from Power Dept, Sikkim.

Representative from Power Dept, Sikkim intimated that the requisition for fund has been placed before Govt of Sikkim however they are yet to receive the fund.

Committee raises concern on the huge outstanding amount of WBSETCL by Sikkim and advised Sikkim representative to expedite the process for getting the fund from Govt of Sikkim.

Committee further referred the issue to 53rd TCC/ERPC Meeting to draw the attention of higher authority from Sikkim.

ITEM NO. B9: Recovery of Outstanding Dues--Agenda by Jindal India Power Limited.

Jindal India Power Limited (JIPL) has 2x600 MW Thermal Power Plant located in the village of Derang, District Angul, State Odisha. JIPL is having a medium term PPA with Jammu & Kashmir Power Corporation Limited (JKPCL) dated 04.12.2023 for the supply of 60.61 MW supply of power under Shakti B (v) scheme for 5 years.

In lieu with the aforesaid PPA, JIPL have started supplying power to JKPCL from 17th October 2024 and have raised 3 Energy bills to JKPCL as on date which translate to total bill outstanding of approx. Rs. 52.39 crore (till Dec 2024). The said bill is still unsettled and still pending from JKPCL end.

JKPCL has provided us Payment Security Mechanism in form of Advance payment of Rs. 21.25 crore and the total amount payable to JIPL has become more than twice the advance payment made by JKPCL. It is worth noting that JKPCL till date has failed to pay amount against the JIPL Monthly Energy Invoices.

JIPL may explain. Members may discuss.

Deliberation in the Meeting

As J&K comes under the purview of Northern Region, Commercial Committee advised JIPL to approach NRPC on this issue.

ITEM NO. B10: Agenda by ERLDC.

A. Default Details of Constituents pertaining to Deviation, Reactive, Legacy Dues.

The details of major defaulters as on 16.01.2025 considering the ERPC bills dated 15/01/25 (Wk- 30/12/24 to 05/01/25) for DSM charges, Reactive charges and Legacy dues are tabulated below. Pending Reconciliation Statements pertaining to DSM, Reactive, Fees and Charges are also mentioned below -

Jharkhand:

	JBVNL
DSM (in Cr)	₹ 76.97 Cr /-
Reactive	₹ 1.61 Lakhs
LC for DSM	No Valid LC available
Legacy dues (as on 16.01.25)	0
Reconciliation of Statements of	DSM: Pending from Q2 of FY 2020-21
	Reactive: Pending from Q1 of FY 2019-20
	FnC: Pending from Q1 of FY 2021-22

Bihar:

	Bihar
DSM (in Cr)	₹ 109.02 Cr /-
Reactive	₹ 10.46 Lakhs
LC for DSM	No Valid LC available
Legacy dues (as on 16.01.25)	₹ 65.99 Cr
	DSM: Pending from Q1 of FY 2023-24

Reconciliation of Statements of	Reactive: Pending from Q1 of FY 2023-24
	FnC: Pending from Q1 of FY 2023-24

Sikkim:

	Sikkim
DSM (in Cr)	₹ 28.67 Cr /-
Reactive	Nil
Due date of expiry of LC	NA
Legacy dues (as on 16.01.25)	₹ 1.15 Cr
Reconciliation of Statements of	DSM: Pending from Q2 of FY 2019-20 Reactive: Pending from Q1 of FY 2019-20 FnC: Pending from Q1 of FY 2021-22

Information about the change in outstanding amounts pertaining to DSM, following the 51st CCM, which was held on 13.08.24, is tabulated below:

Amount in ₹ Cr

Entity	Outstanding as on 31.07.24 (as per 51 st CCM)	Amount Receivable by Pool after 31.07.24 till 16.01.25	Amount Received by pool after 31.07.24 till 16.01.25	Present outstanding as on 16.01.25
Jharkhand	110.76	25.66	59.45	76.97
Bihar	123.94	45.08	60	109.02
Sikkim	28.84	-0.17	0	28.67

Further, the details of other pool members are enclosed as **Annexure-I** and **Annexure-II**.

Bihar, JBVNL & SIKKIM may confirm the schedule for payment of outstanding dues.

Deliberation in the Meeting

West Bengal representative requested ERLDC to release the weekly receivable amount in one go rather than in multiple tranches. ERLDC clarified that based on the receipt/availability, the fund is disbursed to the concerned utilities uniformly proportionate to their receivables.

The Committee advised all the concerned constituents to clear their outstanding dues at the earliest and referred this to TCC.

B. Opening of LC by ER constituents for DSM payments

The details of LC amount required to be opened, as per ERLDC letter dated 29/04/2024 (and reminder dated 26/06/2024), for default in FY 2023-24 by ER constituents is given in table below:

SI No	ER Constituents	LC Amount (110% of Average weekly Deviation Charge liability) in ₹	Due date of expiry	Remarks
1	BSPTCL	₹ 3,70,50,927	NA	No Valid LC
2	JUVNL	₹ 2,65,67,573	NA	No Valid LC
3	DVC	₹ 2,03,05,615	NA	No Valid LC
4	Sikkim	₹ 55,16,800	NA	No Valid LC
5	NTPC	₹ 8,14,71,412	NA	No Valid LC
6	CHUZACHEN	₹ 3,91,733	NA	No Valid LC
7	GMR	₹ 5,27,184	NA	No Valid LC
8	NVVN-Nepal	₹ 1,96,45,399	NA	No Valid LC
9	BRBCL	₹ 17,88,965	NA	No Valid LC
10	ECR	₹ 7,40,236	NA	No Valid LC
11	IBEUL	₹ 27,67,148	NA	No Valid LC
12	Tashiding	₹ 42,887	NA	No Valid LC

Further, the details of other pool members are enclosed as **Annexure-III**.

Deliberation in the Meeting

Sikkim update that the requisite LC has been opened. The Committee advised all other constituents to open requisite amount of LC at the earliest and referred to TCC.

C. Status of PSDF:

No amount from the Deviation and Reactive Pool account was transferred to PSDF after 5th December 2023. The total amount of around ₹ 2187.32 Cr has been transferred to PSDF so far. The breakup details of fund transferred to PSDF (till 16.01.25) is enclosed in Annexure IV.

Members noted.

D. Reconciliation of Pool accounts:

The reconciliation statements of DSM, Reactive, TRAS, SRAS and SCUC charges are being issued by ERLDC on quarterly basis and statements are being sent to the respective constituents and also being uploaded at ERLDC website at <https://erlhc.in/market-operation/dsmreconciliation/>. The status of reconciliation as on 16.01.2024 is enclosed in **Annexure- V and VI**.

Constituents are requested to take necessary action for the signing of pending reconciliation statements.

Temporary General Network Access (T- GNA)

1. For TGNA payments made to CTU:

The reconciliation statements of TGNA payments of Q-2 for FY 24-25 has been sent to CTU on 25.10.2024 and also uploaded the same at ERLDC website at <https://erlhc.in/market-operation/ctu/>. The constituent was requested to verify /check the same & comment (if any) to ERLDC at the earliest.

The status of reconciliation is enclosed in **Annexure- VII**.

2. For Payments made to TGNA Applicants:

The reconciliation statements of TGNA payments for the period of Q-2 for FY 24-25 have been sent to the GRIDCO, APPCPL, DALMIA CEMENT (BHARAT) LIMITED (RCW) , HPX, IEXL, IPCL, NALCO(OD), PXIL, ITC Limited Corporate Office Kolkata, BSPHCL, AEL, NVVN, PTC, PCW, UCL ULTSLDCD47, UCL Cuttack, GMRETL, JSL, TSL, NEFA, UCL WB, Vedanta SEZ and TPTCL on dated 25.10.2024 and also uploaded the same at ERLDC website at <https://erlhc.in/open-access/reconciliation-applicant/>. The constituents were requested to verify /check the same & comment (if any) to ERLDC at the earliest.

The status of reconciliation is enclosed in **Annexure-VII**.

Deliberation in the Meeting

The Committee advised all the constituents to update the status of reconciliation at the earliest and to take necessary action for the signing of pending reconciliation statements.

E. Fees and Charges of ERLDC

The reconciliation statements of FnC payments by registered users of ERLDC have been sent up to the period of Q1 of FY 2024-25. The same is also available at FnC portal <https://fc.posoco.in/FnCWeb/#/landing>.

Many of the users are yet to sign the reconciliation statement. The constituents were requested to verify /check the same & comment (if any) to ERLDC at the earliest.

The status of reconciliation is enclosed in **Annexure- VIII**.

Deliberation in the Meeting

The Committee advised all the constituents to update the status of reconciliation at the earliest.

ITEM NO. B11: Agenda by Powergrid.

A. Non-Opening of requisite amount of LC:

- (i) Following constituents are required to enhance/ extend LC towards Payment Security Mechanism, as per Annexure-8 of 8.2 of Para 8.0 of BCD Procedure and CERC Regulations:

SL. No	Name of DIC's	Required Value of LC (in Cr.)	Present Value of LC (in Cr.)
(i)	India Power Corporation Ltd.	9.93	0
(ii)	Sikkim	3.10	0
(iii)	North Bihar Power Distribution Company Limited (NBPDC)	90.98	9.73
(iv)	South Bihar Power Distribution Company Limited (SBPDCL)	106.52	15.27
(v)	Jharkhand Bidyut Vitran Nigam Ltd (JBVNL)	31.42	11.52

- Letter of Credit (LC) to be opened in favour of **CTUIL for POC & POWERGRID** towards **Non-POC** Billing.

The Committee advised all the constituents to open requisite amount of LC at the earliest.

B. Payment of Outstanding dues more than 45 days:

SL. No	Name of DIC's	Total Outstanding Dues (in Cr.)	Outstanding Dues more than 45 days (in Cr.)
(i)	West Bengal State Electricity Distribution Company Ltd. (WBSEDCL)	414.62	236.76
(ii)	Jharkhand Bijli Vitran Nigam Limited (JBVNL)	219.70	106.92
(iii)	India power corporation limited (IPCL)	8.52	1.71
(iv)	West Bengal State Electricity Transmission Company Ltd.	28.91	28.91

	(WBSETCL)		
(v)	Odisha Power Generation Company Limited (OPGCL)	11.11	11.11
(vi)	Jharkhand Urja Sancharan Nigam Ltd. (JUSNL)	7.19	7.19
	Total	690.05	392.60

The Committee advised all the constituents to update the status of reconciliation at the earliest.

C. Non-payment of RTDA bills:

The following DIC's are not paying RTDA bills:

Sl. No	Name of DIC's	Outstanding dues	Remarks
(i)	West Bengal State Electricity Distribution Company Ltd. (WBSEDCL)	236.76 Cr.	Outstanding dues of INR 1.20 Cr. pending for long period, INR 2.91 Cr. (bill dtd. 09.12.22), INR 5.65 Cr. (bill dtd. 10.05.23), 192.48 Cr (bill dtd 13.12.23), 34.23 Cr (Bill dtd 28.05.24) & 0.2975 Cr (Bill dtd 18.11.24) against RTDA bills are pending despite of several follow up.
(ii)	Jharkhand Bidyut Vitran Nigam Ltd (JBVNL)	60.67 Cr.	Outstanding dues of INR 51.32 Cr. (Bill dtd 13.12.23), INR 8.12 Cr. (bill dtd 28.05.24) & INR 1.23 Cr. (bill dtd 18.11.24) against RTDA bills are pending despite several follow up.

Deliberation in the Meeting

SLDC West Bengal representative stated that they have sought block wise data of old RTDA accounts of 2016 to 2019 from ERPC for bifurcation of the RTDA bill among intra-state entities as per the direction from WBERC. Member Secretary intimated that the data being very old, compiling of the data is taking considerable time and the same will be shared with West Bengal by Feb-25.

D. Preponement of commissioning of new 220/132KV, 1X200MVA (4th) ICT at Ara (POWERGRID) S/s:

- I. Implementation timeframe for 'installation of new 220/132KV, 1X200MVA (4th) ICT at Ara (POWERGRID) S/s' under 'Eastern Region Expansion Scheme-XXXVI (ERES-XXXVI)' was 18 months from the issue of OM by CTUIL i.e. 20.10.2024 as per CTUIL Office Memorandum vide ref. no C/CTU/AI/00/12th CCTP dated 21.04.2023.

- II. However, said ICT was put into commercial operation w.e.f. 18.08.2024 for improving the performance, safety & security of the grid and considering load requirement at Ara. Trial Run certificate issued by GRID-INDIA.

Deliberation in the Meeting

Committee noted the early commissioning of 4th ICT at Ara(PG) S/s and referred it to 53rd TCC & ERPC for information.

E. List of Assets commissioned in the recent past in Eastern Region (ER)

A	<i>Strengthening of OPGW Network within the ER Grid and Connectivity with other Region</i>	DOCO	Remarks	Region
1	765kV Jharsuguda-Dharmjaygarh OPGW Link (148.603 KM) along with 2nos. of SDH equipment and 4 nos. OLIC at Jharsuguda and Dharmjaygarh end	31-08-2024	DOCO Letter Dtd. 08-10-2024	ODP
2	Durgapur - Farakka OPGW Link (OPGW Network - 157.745 KM)	23.06.2024	DOCO Letter Dtd. 01.08.2024	ER-II
3	Durgapur - Sagardighi OPGW Link (OPGW Network - 133.572 KM) & Farakka-Purnea OPGW Link (OPGW Network - 179.643 KM)	25.06.2024	DOCO Letter Dtd. 01.08.2024	ER-II
B	<i>Upgradation of SCADA/RTUs/SAS in Central Sector stations and Strengthening of OPGW network in Eastern Region</i>	DOCO	Remarks	Region
4	Upgradation of SAS (Substation Automation System Hardware/License upgradation) at 09 locations (Chaibasa 400 KV, Gaya 765 KV, Kishenganj 400 KV, New Ranchi 765 kV, Chandwa 400 KV, Daltonganj 400 KV, Banka 400 kV, Lakhisarai 400 KV, Sasaram 765KV HVDC) and Implementation of BCU Based Substation Automation System (SAS) at 02 locations (Ara 220KV & Purnea 220KV)	21.12.2023	DOCO Letter Dtd. 25.07.2024	ER-I

5	Upgradation of SAS (Substation Automation System Hardware/License upgradation) at 02 locations (220/132KV Birpara, 220KV New Melli SS)	31.03.2023	DOCO Letter Dtd. 05.09.2024	ER-II
6	Upgradation of SAS (Substation Automation System Hardware/License upgradation) at 05 locations (765/400kV Angul, 400/220 kV Bolangir, 400/220 kV Keonjhar, 765/400 kV Sundargarh, 400/220 kV Pandibili)	10-02-2023	DOCO Letter Dtd. 03.10.2024	ODP
7	Rangpo-Dikchu HPS OPGW Link (OPGW Network – 32.176 km) and Upgradation of 01 no RTU at 400/220 kV Binaguri SS	12.09.2024	DOCO Letter Dtd. 26.11.2024	ER-II
8	Upgradation of 01 no RTU at 132/66 kV Gangtok SS	04.08.2024	DOCO Letter Dtd. 26.11.2024	ER-II
C	<i>Eastern Region Expansion Scheme (ERES) - XXXVI</i>	DOCO	Remarks	Region
9	Installation of new 220/132 kV, 1x200MVA (4th) ICT along with associated bays & 132KV Cables at Ara (POWERGRID) Substation	18.08.2024	DOCO Letter Dtd. 19.09.2024	ER-I
D	<i>Eastern Region Expansion Scheme (ERES) - XXVII</i>	DOCO	Remarks	Region
10	Installation of 420 kV, 1 X 125 MVAr Bus Reactor along with associated bays at Alipurduar (POWERGRID) Substation	26-09-2024	DOCO Letter Dtd. 24-10-2024	ER-II
E	<i>Eastern Region Expansion Scheme (ERES) - XXXI</i>	DOCO	Remarks	Region

11	Installation of new 420 kV, 1 X 125 MVar Bus Reactor along with associated bays at Jamshedpur (POWERGRID) Substation	08-10-2024	DOCO Letter Dtd. 20-11-2024	ER-I
----	----------------------------------------------------------------------------------------------------------------------	------------	-----------------------------	------

Deliberation in the Meeting

Members noted.

ITEM NO. B12: Additional Agenda: Replacement of Old Data Concentrator Unit (DCU) for AMR, in compliance with regulations.: Powergrid ER-II.

- a) The Data Concentrator Unit (DCU) are the most essential items in the AMR solution. In Eastern Region, when the initial phase of AMR implementation started (Nov-2012), the DCUs were manufactured to be in synch with the type of Meters and the end user requirements (only to cater 15 min block data parameters). Also, the DCUs are being procured from an overseas vendor (VIOLA OEM).
- b) Gradually, from 2016 onwards, new SEM types are being introduced with DLMS protocol compliance along with multiple type of data parameters. To cater this requirement, the firmware of the DCUs is upgraded. Gradually, new DCUs are put in the AMR system (indigenous Make) to have multi-vendor scenario in the system and to reduce single OEM dependency. At present, a customized DCU firmware is being developed throughout the period and put in operation to handle multiple type of requirements like different Protocol Meters, different OEM make Meters, Handling Kiosk type location in AMR, and ensuring system security (like VPN based communication, Secure data transfer protocol, Data Encryption). This is running successfully throughout the period.
- c) As POWERGRID already highlighted in many previous meetings, multiple Proof of Concepts (POC) have been carried out in the existing AMR with the newly procured DCUs, to test the feasibility of upcoming regulations of 05 min block data, instantaneous data etc. The successful POC results are being shared with members. (Reference 217th OCC).
- d) In the present AMR scenario, we have some of the DCU quantity present which are of VIOLA OEM make, those were procured in the initial phase. These DCU are specially designed for L&T make Meters and the initial Series of Genus Make Meters. Also, considering the CEA/CERC regulations of IT/OT hardware life, the DCU are reaching to end-of-life cycle.
- e) Total DCU quantity to be replaced is: 106 no's. The new DCU which will be procured, will comply to the existing as well as upcoming technical requirements for high end activities. In Eastern Region, as we have already a steady system running and also have tested and developed the prototype environment of new AMR requirements as part of AMR Phase5 project, it is recommended that the new DCU may be procured in synch with the last approved LOA of AMR Phase5.
- f) Project timeline will be 09 months for procurement and installation of DCUs at stations, with 03 years warranty support. Total additional cost for DCU procurement will be 98,73,900 INR and additional DCU implementation Service charges will be 24,68,475 INR. Total service &

Supply cost will be Rs. 1,23,42,375/- (Rs. One crore twenty-three lacs forty-two thousand three hundred seventy-five only) excluding taxes. However, after due approval & negotiation final price could be arrived and will be intimated duly.

- g) Procurement of DCU and replacement work will be a one-time roll-out job. Once the DCUs are replaced at stations, AMR system will be ready for catering the existing Meters as well as the new Meters (as and when those will be installed at stations). No additional changes will be needed in AMR, during replacement of Meters.
- h) The DCUs which will be procured for existing AMR, there are multiple level of firmware customization needs to be done. As stated above, in the AMR system of ER, there are multiple types and OEM make Meters present. For that different version of DCU firmware is developed. The current DCU firmware is capable to catering both DLMS & Non DLMS meters in a single DCU. Also, in a single DCU, both Genus make and Secure make DLMS Meters are connected in the same port and successful data retrieval is happening. Special DCU firmware is designed to handle the Kiosk type locations. In addition to the existing requirements, the DCU firmware has been upgraded as well (to build prototype) for catering both 05 min & 15 min Load Survey Meters. So, it is imperative that just procurement of the DCU will not suffice the requirements, plenty of effort to be put for developing the customized firmware as well which will be a huge time taking process. As M/S TCS has already completed these development part and handling the system, it is recommended to place the LOA to them and execute the job.

The proposal was discussed in 223rd OCC meeting and OCC technically agreed to the proposal.

Deliberation in the Meeting

The Committee agreed with the proposal with cost estimate of Rs. 1,23,42,375/- (Rs. One crore twenty-three lacs forty-two thousand three hundred seventy-five only) excluding taxes and referred for the concurrence of 53rd TCC & ERPC.

ITEM NO. B13: Additional Agenda by TPTCL: Withdrawal of RTDA charges imposed for power scheduled from Dagachu, Bhutan to WBSEDCL-TPTCL.

WBSEDCL vide its letter dtd 20th Sep 2023 give consent to schedule/off-take 126 MW power from Dagachu HPS within their allotted GNA quantum. Same letter was shared with CERC also on 23rd Sep 2023 for grant of deemed GNA so that power from Dagachu HPS can be scheduled to WBSEDCL under its GNA contract w.e.f. 01st Oct 2023.

Simultaneously, TPTCL took up the matter with NLDC for smooth scheduling of power under GNA regime w.e.f 01st Oct 2023. Due to non-availability of necessary software for granting deemed T-GNA to TPTCL on behalf of Dagachu, HPS for import of power to India, NLDC provided access to WBES to create contract from TPTCL-Dagachu HPS to WBSEDCL for scheduling of power to WBSEDCL under GNA of West Bengal w.e.f 01st Oct 2023. As power is scheduled to WBSEDCL under its GNA, WBSEDCL has been making payment to CTUIL for off-take of power from Dagachu HPS.

Post that TPTCL in close coordination with NLDC as well as CTUIL, applied for grant of GNA for injection of power from Dagachu HPS project w.e.f 01st April 2024. On 14th March 2024 CTUIL granted GNA from 1st April 2024 to TPTCL for Dagachu project Bhutan.

On 22.11.2024, ERPC raised bill of Rs 77.70 lakhs under differential RTDA charges for period June 2023 to September 2023.

TPTCL had requested ERPC to withdraw the bill of Rs 77.70 lakhs on pretext that WBSEDCL had already paid the requisite GNA charges to CTUIL including the period of March 2024, for supply of power from Dagachu to WBSEDCL. TPTCL had made the payment under protest in order to avoid any LPS but seeks this opportunity for withdrawal of these charges and any such charges in future.

TPTCL may explain. Members may discuss.

Deliberation in the Meeting

The following was deliberated in the meeting:

- *TPTCL elaborated the issue and requested for withdrawal of RTDA charges for the month of March-24 and further requested for withholding of issuance of RTDA accounts of TPTCL from Oct-23 to Feb-24.*
- *ERPC Secretariat stated that the RTDA charges was calculated in accordance with the CERC Sharing Regulation 2023.*
- *NLDC representative submitted that the scheduling of TPTCL(Dagachu) was carried out under T-GNA for the period from Oct-23 to March-24. Due to non-availability of necessary software for granting deemed T-GNA to TPTCL for import of power of Dagachu HPS to India, NLDC provided access to WBES with an understanding that the power is being scheduled through T-GNA.*
- *It was clarified by ERPC Secretariat that the transmission deviation of a generating station is calculated in excess of GNA capacity only and therefore in absence of any GNA to TPTCL for import of power from Dagachu HPS, the whole quantum of power scheduled through T-GNA is considered as deviation.*

After detail discussion, Committee advised that NLDC may clarify the scheduling process of Dagachu HPS power during the period from Oct-23 to March-24 to TPTCL. Further Committee referred the issue to TCC for further deliberation.

Meeting ended with vote of thanks to the chair.

Annexure-A

Name	First Join	Email
ERPC Kolkata	1/28/25, 11:24:07 AM	ERPC@KolkataMST.onmicrosoft.com
S K Dash (External)	1/28/25, 11:24:25 AM	sudipdash@tatapower.com
Krishna Kant	1/28/25, 11:24:26 AM	krishna.kant@jsw.in
Chakraborty Tara (External)	1/28/25, 11:24:26 AM	tara.chakraborty@tatapower.com
Arvind Kumar Pandey {ए.के. पांडेय} (External)	1/28/25, 11:24:27 AM	arvind.pandey@powergrid.in
Satya Ranjan (External)	1/28/25, 11:24:27 AM	SRROUT@NTPC.CO.IN
Abhilash Gour (External)	1/28/25, 11:24:27 AM	abhilash.gour@dansenergy1.onmicrosoft.com
Sikkim (Unverified)	1/28/25, 11:24:27 AM	
M Jain (External)	1/28/25, 11:25:06 AM	MANISHJAIN02@NTPC.CO.IN
Sourav Biswas (External)	1/28/25, 11:28:45 AM	sbiswas@erldc.onmicrosoft.com
Saurav Kr Sahay (External)	1/28/25, 11:29:04 AM	saurav.sahay@erldc.onmicrosoft.com
General Manager (F&A), NBPDC (Unverified)	1/28/25, 11:29:04 AM	
WBSETCL (Unverified)	1/28/25, 11:29:33 AM	
SUMEET NARANG (External)	1/28/25, 11:29:38 AM	SUMEETNARANG@NTPC.CO.IN
Arshad (External)	1/28/25, 11:30:25 AM	ARSHADJILANI@NTPC.CO.IN
jitpl powersales	1/28/25, 11:30:26 AM	jitpl_powersales@Jindalgroup.com
Sourav Mandal (External)	1/28/25, 11:30:33 AM	souravmandal@erldc.onmicrosoft.com
Partha Ghosh {পার্শ্ব ঘোষ} (External)	1/28/25, 11:30:42 AM	partha.ghosh@powergrid.in
Ranajit Pal (External)	1/28/25, 11:31:08 AM	ranajitpal@erldc.onmicrosoft.com
ns mondal (Unverified)	1/28/25, 11:33:53 AM	
Manish Kumar Yadav (External)	1/28/25, 11:34:04 AM	manish.yadav@erldc.onmicrosoft.com
Y K Sushant Singh (External)	1/28/25, 11:34:05 AM	YKSUSHANTSINGH@NTPC.CO.IN
Ankit Jain (Unverified)	1/28/25, 11:34:30 AM	
NHPC SURESH KUMAR (Unverified)	1/28/25, 11:35:08 AM	
Gulshan, Rongnichu (Unverified)	1/28/25, 11:35:16 AM	
WBSETCL (Unverified)	1/28/25, 11:35:20 AM	
NITIN KATIYAR (External)	1/28/25, 11:35:34 AM	NITINKATIYAR@NTPC.CO.IN
Preetam Banerjee (External)	1/28/25, 11:35:57 AM	Preetam.Banerjee@wbsedcl.in
SAMIM MONDAL_ERLDC (Unverified)	1/28/25, 11:36:56 AM	
Biswajit Madhu,ACE,Howrah Communication (U	1/28/25, 11:37:24 AM	
HOWRAH COMMUNICATION	1/28/25, 11:37:32 AM	
S C De (Unverified)	1/28/25, 11:38:51 AM	
WBSLDC, ENAC (Unverified)	1/28/25, 11:39:03 AM	
Gaurav Kumar ERLDC (Unverified)	1/28/25, 11:40:34 AM	
sldc west bengal (Unverified)	1/28/25, 11:41:31 AM	
Ganesh Kumar (Unverified)	1/28/25, 11:42:47 AM	
Jay Raj	1/28/25, 11:42:55 AM	
Mondal Pankaj (External)	1/28/25, 11:43:42 AM	pankaj.mondal@tatapower.com
Sharma Divy Gaurav (External)	1/28/25, 11:43:47 AM	divygaurav.sharma@tatapower.com
S. BALLAV, ERLDC (Unverified)	1/28/25, 11:43:58 AM	
bappa (Unverified)	1/28/25, 11:45:08 AM	
BISWAJIT MADHU,WBSETCL (Unverified)	1/28/25, 11:45:15 AM	
Commercial NB (Unverified)	1/28/25, 11:45:30 AM	
S K Maharana GRIDCO (Unverified)	1/28/25, 11:47:49 AM	
Subrat Swain (External)	1/28/25, 11:48:32 AM	subratswain@erldc.onmicrosoft.com
CE PTP (External)	1/28/25, 11:50:36 AM	ceptp@wbsedcl.in
Commercial NB (Unverified)	1/28/25, 11:52:37 AM	
sbpdcl (Unverified)	1/28/25, 11:55:23 AM	
pawan kr (Unverified)	1/28/25, 11:56:45 AM	
Vivek Erldc (Unverified)	1/28/25, 11:58:38 AM	
Commercial NB (Unverified)	1/28/25, 11:59:32 AM	
gaurav kumar (Unverified)	1/28/25, 12:03:32 PM	
sumita manna (Unverified)	1/28/25, 12:09:23 PM	
pk (Unverified)	1/28/25, 12:11:48 PM	
SLDC Finance (Unverified)	1/28/25, 12:19:28 PM	

pawan kr (Unverified)	1/28/25, 12:20:08 PM	
GRIDCO LTD (Unverified)	1/28/25, 12:25:31 PM	
Vivek_ERLDC (Unverified)	1/28/25, 12:25:45 PM	
WBSLDC (Unverified)	1/28/25, 12:38:16 PM	
WB SLDC FINANCE (Unverified)	1/28/25, 12:43:13 PM	
WBSLDC (Unverified)	1/28/25, 12:56:43 PM	
Shiv Kumar Gupta {एस.के. गुप्ता} (External)	1/28/25, 1:09:06 PM	shivkumar@powergrid.in
Subhendu Mukherjee NLDC, GRID-INDIA (Extern	1/28/25, 1:21:25 PM	subhendu@nldc.in

Annexure - II

STATUS OF REACTIVE CHARGES

AS on 16-01-25

Figures in ₹ Lakhs

Name of Parties	Net outstanding upto 2023-24	Receivable Amount by pool	Received Amount by pool	Payable Amount by pool	Paid Amount by pool	Outstanding Amount Receivable(+Ve) / Payable by pool(-Ve)
Bhutan	0	41.94018	41.16429	97.841	97.841	0.78
Bangladesh	0	8.84828	8.24185	0.01327	0.01327	0.61
Nepal	0	15.80907	12.89632	5.59695	5.59695	2.91
NEA-Bihar	0	0.9905	0.9905	2.15775	2.15775	0.00
BSPHCL	0	13.46412	0	234.56389	231.56012	10.46
JUVNL	0	105.11191	102.78627	0.7167	0	1.61
DVC	0	5.26943	5.26943	54.15706	54.15706	0.00
GRIDCO	0	1.36253	0.64608	197.1041	195.44544	-0.94
SIKKIM	0	0.08008	0	4.07652	3.10829	-0.89
WBSETCL	0	76.62776	0	54.52071	16.54257	38.65
JITPL	0	0.00145	0.00145	1.24673	1.24673	0.00
Alipurduar	0	0.32631	0.24451	0	0	0.08
Sasaram	0	0.23505	0.2173	0.00355	0	0.01
MPL	0	0.0002	0.0002	0	0	0.00
APNRL	0	0.77785	0	1.15491	1.15051	0.77
BRBCL	0	0	0	1.67122	1.67122	0.00
JLHEP	0	0.17362	0.0016	0.0029	0.0029	0.17
Chuzachen	0	0.04904	0.04865	0.70752	0.70752	0.00
TUL	0	0	0	0	0	0.00
Rongnichu	0	0.47041	0.38439	0.24967	0.24527	0.08
THEP	0	0.41545	0.083	0.02742	0.03302	0.34
Dikchu	0	0.0005	0.0005	0.05507	0.05507	0.00
ECR	0	5.24387	5.09467	1.3879	1.3879	0.15
GMR	0	0.364	0.364	1.22645	1.22645	0.00
IND_Bharat	0	2.27774	2.20384	6.51905	6.44515	0.00
NHPC	0	0	0	12.99952	12.99952	0.00
NTPC	0	0	0	775.62696	775.62696	0.00

Receivable:

Received:

'- ve' Payable by ER pool

Receivable by ER POOL

Received by ER POOL

'+ ve' Receivable by ER pool

Payable by ER POOL

Paid by ER POOL

'+ ve' Receivable by ER pool

Current Status of Letter of Credit (LC) amount against DSM charges for ER constituents*Figures in Lacs of Rupees*

SI No	ER Constituents	No. of weeks in which Deviation Charge payable	No of times payment was delayed during 2023-24	Total Deviation charges payable to pool during 2023-24	Average weekly Deviation Charge liability	LC Amount	Defaulting Weeks	Due date of expiry	Remarks
					(C)/52 weeks				
		(A)	(B)	(C)	(D)	(E)	(G)	(F)	(G)
1	Bihar State Power Holding Corporation Limited / बिहार	35	35	17514.98	336.83	370.50927	ALL Weeks		
2	Jharkhand State Electricity Board / झारखंड	43	43	12559.22	241.52	265.67573	ALL Weeks		
3	Damodar Valley Corporation / डीवीसी	38	4	9599.02	184.60	203.05615	3, 35, 45 r-1, 53		
4	Power Deptt, Govt. of Sikkim / सिक्किम	37	37	2607.94	50.15	55.16800	ALL Weeks		
5	NTPC / एनटीपीसी	53	3	38513.76	740.65	814.71412	28, 29, 38		
6	Adhunik Power & Natural Resources Limited / अधुनिक शक्ति	31	31	398.10	7.66	8.42125	ALL Weeks	11-12-2024	LC opened for ₹ 25,95,437 /-
7	Gati Infrastructure Private Limited / गुजाचेन	26	11	185.18	3.56	3.91733	4, 5, 6, 7, 11, 13, 18, 20, 25, 37, 39		
8	GMR Kamalanga Energy Limited / जीएमआर	32	28	249.21	4.79	5.27184	All weeks except 5, 19, 26, 38		
9	Jindal India Thermal Power Ltd. / जिंदल	23	9	1096.44	21.09	23.19395	21, 25, 26, 29,31, 32, 36, 39, 44	31-03-2025	LC opened for ₹ 23,19,395 /-
10	DANS Energy Private Limited - Operation Retention Account / डेन्स ऊर्जा	9	9	150.46	2.89	3.18275	ALL Weeks	09-01-2025	LC opened for ₹ 25,22,302 /-
11	NTPC Vidyut Vyapar Nigam Ltd-Nepal / एनटीपीसी-नेपाल	43	4	9286.92	178.59	196.45399	3, 6, 21, 24		
12	Bhartiya Rail Bijlee Company Ltd. / बीआर बीसीएल	42	12	845.69	16.26	17.88965	1, 4, 8, 10, 14, 17, 19, 20, 26, 28, 31		
13	Powergrid Corporation Of India Limited-Sasaram / सासाराम	32	4	47.42	0.91	1.00311	1, 18, 21, 24	31-03-2025	LC opened for ₹ 1,00,311 /-
14	Sneha Kinetic Power Projects Pvt. Ltd./ दिकचू	8	2	352.14	6.77	7.44904	1, 4	03-05-2025	LC opened for ₹ 7,44,904 /-
15	PGCIL-Alipurduar / अलीपुरदुआर	30	14	45.40	0.87	0.96036	1, 10, 21, 23, 25, 29, 32, 33, 34, 35, 37, 43, 44, 52	31-03-2025	LC opened for ₹ 96,036/-
16	East Central Railway	33	7	349.92969	6.72942	7.40236	18, 25, 30, 35, 43, 51, 52		
17	Ind bharath energy utkal limited	6	6	1308.10652	25.15589	27.67148	ALL Weeks		
18	Shiga Energy Private / शिगा ऊर्जा	1	1	20.27364	0.38988	0.42887	12 r-1		

DETAILS OF DISBURSEMENT TO POWER SYSTEM DEVELOPMENT FUND

Sl No	Nature of Amount	Amount transferred to PSDF (Rs in Lac)	Date of Disbursement	Remarks
	Opening Balance (upto 31.03.2019)	95896.17		
1	Reactive Energy Charge	105.79202	04.04.19	Reactive Charges 18-19
2	Reactive Energy Charge	287.48448	03.05.19	Reactive Charges 18-19 & 19-20
3	Reactive Energy Charge	129.69559	03.06.19	Reactive Charges 19-20
4	Reactive Energy Charge	207.83840	04.07.19	Reactive Charges 19-20
5	Reactive Energy Charge	94.91703	02.08.19	Reactive Charges 19-20
6	Reactive Energy Charge	188.53681	02.09.19	Reactive Charges 19-20
7	Surplus DSM amount transferred	32210.51998	24.09.19	DSM Charges 19-20
8	Reactive Energy Charge	173.06004	01.10.19	Reactive Charges 19-20
9	Reactive Energy Charge	273.15002	01.11.19	Reactive Charges 19-20
10	Reactive Energy Charge	401.09564	04.12.19	Reactive Charges 19-20
11	Reactive Energy Charge	252.53573	02.01.20	Reactive Charges 19-20
12	Reactive Energy Charge	148.65520	07.02.20	Reactive Charges 19-20
13	Reactive Energy Charge	205.22437	04.03.20	Reactive Charges 19-20
14	Bank interest from Reactive acct	0.21706	03.04.20	Bank interest from Reactive acct
15	Reactive Energy Charge	843.03166	03.06.20	Reactive Charges 19-20 & 20-21
16	Reactive Energy Charge	507.80481	07.07.20	Reactive Charges 17-18,18-19 & 20-21
17	Reactive Energy Charge	309.41068	06.08.20	Reactive Charges 17-18,18-19 & 20-21
18	Reactive Energy Charge	83.23955	02.09.20	Reactive Charges 19-20 & 20-21
19	Bank interest of DSM A/C-TDS portion	251.65235	18.09.20	Bank interest TDS portion transferred from POSOCO,CC
20	Bank interest of DSM A/C-TDS portion	15.64788	22.09.20	Bank interest TDS portion transferred from POSOCO,CC
21	Reactive Energy Charge	118.85979	06.10.20	Reactive Charges 20-21
22	Reactive Energy Charge	101.42971	04.11.20	Reactive Charges 20-21
23	Reactive Energy Charge	82.34791	04.12.20	Reactive Charges 20-21
24	Reactive Energy Charge	500.95333	06.01.21	Reactive Charges of 19-20 & 20-21
25	Reactive Energy Charge	92.51486	03.02.21	Reactive Charges of 19-20 & 20-21
26	Reactive Energy Charge	50.22963	04.03.21	Reactive Charges of 19-20 & 20-21
27	Reactive Energy Charge	32.15331	07.04.21	Reactive Charges of 19-20 & 20-21
28	Reactive Energy Charge	39.59760	05.05.21	Reactive Charges of 19-20 & 20-21
29	Reactive Energy Charge	18.96069	01.06.21	Reactive Charges of 20-21 & 21-22
30	Reactive Energy Charge	392.24613	12.07.21	Reactive Charges of 20-21 & 21-22
31	Reactive Energy Charge	214.22298	22.07.21	Reactive Charges 21-22
32	Addl. Dev	392.94201	25.08.21	DSM Charges of 19-20 received from Jharkhand
33	Addl. Dev	5.99326	03.09.21	DSM Charges of 19-20 received from Jharkhand
34	Reactive Energy Charge	330.73064	09.09.21	Reactive Charges 21-22
35	Addl. Dev	1334.97939	23.09.21	DSM Charges of 20-21 received from Bihar
36	Addl. Dev	500.00000	27.09.21	DSM Charges of 20-21 received from Bihar
37	Addl. Dev	1500.00000	29.09.21	DSM Charges of 20-21 received from Bihar
38	Addl. Dev	500.00000	01.10.21	DSM Charges of 20-21 received from Bihar
39	Addl. Dev	1000.00000	05.10.21	DSM Charges of 20-21 received from Bihar
40	Addl. Dev	402.60050	05.10.21	DSM Charges of 20-21 received from Jharkhand
41	Reactive Energy Charge	131.05971	07.10.21	Reactive Charges 21-22
42	Addl. Dev	1000.00000	22.10.21	DSM Charges of 20-21 received from Bihar
43	Addl. Dev	1000.00000	26.10.21	DSM Charges of 20-21 received from Bihar
44	Addl. Dev	539.21266	28.10.21	DSM Charges of 20-21 received from Bihar
45	Reactive Energy Charge	224.70676	03.11.21	Reactive Charges 21-22
46	Reactive Energy Charge	366.25533	03.12.21	Reactive Charges 21-22
47	Reactive Energy Charge	5.33816	09.12.21	Interest Amount received in Reactive Account
48	Addl. Dev	489.56759	04.01.22	DSM Charges of 20-21 received from Jharkhand
49	Reactive Energy Charge	449.70232	04.01.22	Reactive Charges 21-22
50	Reactive Energy Charge	547.40910	04.02.22	Reactive Charges 21-22
51	Addl. Dev	7182.00679	08.02.22	Excess amount after clearing Wk-43
52	Addl. Dev	103.38490	28.02.22	DSM Charges of 20-21 received from Jharkhand and POSOCO CC (REC)
53	Reactive Energy Charge	22.28702	04.03.22	Reactive Charges 21-22
54	Reactive Energy Charge	978.22379	08.03.22	Reactive Charges 21-22
55	Reactive Energy Charge	502.63132	04.04.22	Reactive Charges 21-22
56	Addl. Dev	13586.90110	02.05.22	Addl Dev Charge 21-22
57	Reactive Energy Charge	91.67842	02.05.22	Reactive Charges 21-22
58	Addl. Dev	323.72543	17.05.22	DSM Charges of 21-22 received from Jharkhand
59	Addl. Dev	223.19034	31.05.22	DSM Charges of 21-22 received from Jharkhand
60	Addl. Dev	17070.55890	02.06.22	DSM charges
61	Reactive Energy Charge	104.77973	02.06.22	Reactive Charges 21-22
62	Addl. Dev	700.00000	10.06.22	DSM Charges of 21-22 received from Jharkhand and DVC (Bhutan)
63	Addl. Dev	230.65522	24.06.22	DSM Charges of 21-22 received from Jharkhand and DVC (Bhutan)
64	Addl. Dev	200.00000	28.06.22	DSM Charges of 21-22 received from Jharkhand
65	Addl. Dev	200.00000	01.07.22	DSM Charges of 21-22 received from Jharkhand
66	Reactive Energy Charge	491.14301	08.07.22	Reactive Charges 21-22 received from Bihar
67	Addl. Dev	200.00000	14.07.22	DSM Charges of 21-22 received from Jharkhand
68	Addl. Dev	900.00000	20.07.22	DSM Charges of 21-22 received from Sikkim and Bihar
69	Addl. Dev	300.00000	25.07.22	DSM Charges of 21-22 received from Jharkhand
70	Addl. Dev	200.00000	26.07.22	DSM Charges of 21-22 received from Jharkhand
71	Addl. Dev	400.00000	28.07.22	DSM Charges of 21-22 received from Jharkhand
72	Addl. Dev	553.96908	08.08.22	DSM Charges of 21-22 received from Bihar
73	Reactive Energy Charge	56.45017	08.08.22	Reactive Charges 22-23
74	Reactive Energy Charge	586.61896	07.09.22	Reactive Charges 22-23
75	Reactive Energy Charge	152.77578	07.10.22	Reactive Charges 22-23
76	Addl. Dev	15507.63580	07.11.22	DSM Charges 22-23
77	Reactive Energy Charge	94.63234	07.11.22	Reactive Charges 22-23
78	Reactive Energy Charge	89.18883	02.12.22	Reactive Charges 22-23
79	Reactive Energy Charge	162.52773	05.01.23	Reactive Charges 22-23
80	Reactive Energy Charge	3.93158	07.02.23	Reactive Charges 22-23
81	Reactive Energy Charge	292.70498	06.03.23	Reactive Charges 22-23
82	Reactive Energy Charge	321.80291	30.03.23	Reactive Charges 22-23
83	Addl. Dev	10079.39783	06.04.23	DSM Charges 22-23
84	Reactive Energy Charge	716.65397	04.05.23	Reactive Charges 23-24
85	Reactive Energy Charge	508.35350	07.06.23	Reactive Charges 23-24
86	Reactive Energy Charge	83.11163	05.07.23	Reactive Charges 23-24
87	Reactive Energy Charge	498.36959	04.08.23	Reactive Charges 23-24
88	Reactive Energy Charge	50.77966	05.09.23	Reactive Charges 23-24
89	Reactive Energy Charge	5.26035	06.10.23	Reactive Charges 23-24
90	Reactive Energy Charge	6.79669	06.11.23	Reactive Charges 23-24
91	Reactive Energy Charge	0.11306	05.12.23	Reactive Charges 23-24
	Total	218731.92988		

DSM account Reconciliation Status of ER constituents

Annexure-V

Name of The Utility	2019-20				2020-21				2021-22				2022-23				2023-24				2024-25	
	Q1 (17.07.19)	Q2 (21.10.19)	Q3 (13.01.20)	Q4 (15.04.20)	Q1 (15.07.20)	Q2 (23.10.20)	Q3 (20.01.21)	Q4 (28.04.21)	Q1 (06.07.21)	Q2 (07.10.21)	Q3 (11.01.22)	Q4 (18.04.22)	Q1 (15.07.22)	Q2 (21.10.22)	Q3 (19.01.23)	Q4 (28.04.23)	Q1 (28.07.23)	Q2 (19.10.23)	Q3 (25.01.24)	Q4 (24.04.24)	Q1 (30.07.24)	Q2 (28.10.24)
BSPHCL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
JUVNL	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
DVC	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
GRIDCO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
WBSETCL	YES	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO
SIKKIM	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NTPC	YES	YES	YES	YES	YES	YES	YES	YES	Yes	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
NHPC	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	NO	NO
MPL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES	YES	YES	NO
APNRL	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHUZACHEN(GATI)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
NVVN(Ind-Bng)	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES
NVVN(Ind-Nep)	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES
NVVN (Bhutan)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	YES	YES	YES	YES
NVVN-NEA Bihar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	YES	YES
GMR	YES	YES	YES	YES	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
JITPL	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	NO	NO	YES	NO	NO	NO	NO	YES	YES	NO
IBEUL (JSW Energy)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NO	NO	NO
TPTCL (DAGACHU)	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	YES	YES	NO	NA
JLHEP(DANS ENERGY)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	NO	YES	YES	YES
BRBCL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	NO	YES
POWERGRID (ER-I)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	NO
POWERGRID (ER-II)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	NO	NO
TUL (TEESTA-III)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	NO	NO	YES	YES	NA	NA
DIKCHU	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO	YES	NO	NO	NA	NA	NA
SHIGA (TASHIDING)	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES	NO	NO	NO	NO	YES	YES	NO	YES	NO	YES	YES
Rongnichu	NA				NA				NA				YES				NO				NO	

- (1)The dates in the bracket indicates the date of sending the Reconciliation statements by ERLDC to utilities.
- (2) YES Indicates that signed reconciliation statement received by ERLDC
- (3) NO Indicates that signed reconciliation statement is not received by ERLDC

Reactive Account Reconciliation Status

Annexure-VI

Name of The Utility	2019-20				2020-21				2021-22				2022-23				2023-24				2024-25	
	Q1 (17.07.19)	Q2 (21.10.19)	Q3 (13.01.20)	Q4 (15.04.20)	Q1 (15.07.20)	Q2 (23.10.20)	Q3 (20.01.21)	Q4 (28.04.21)	Q1 (06.07.21)	Q2 (07.10.21)	Q3 (11.01.22)	Q4 (18.04.22)	Q1 (15.07.22)	Q2 (21.10.22)	Q3 (19.01.23)	Q4 (28.04.23)	Q1 (28.07.23)	Q2 (19.10.23)	Q3 (25.01.24)	Q4 (24.04.24)	Q1 (30.07.24)	Q2 (28.10.24)
BSPHCL	YES	NA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
JUVNL	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
DVC	YES	N/A	N/A	N/A	YES	NO	NO	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
GRIDCO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES
WBSETCL	YES	YES	NO	NO	YES	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
SIKKIM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NTPC	NA																		YES	NO	YES	YES
NHPC																			YES	YES	NO	NO
MPL																			NA	NA	YES	NO
APNRL																			NO	NO	NO	NO
CHUZACHEN(GATI)																			YES	YES	NO	NO
NVVN(Ind-Bng)																			YES	YES	YES	YES
NVVN(Ind-Nep)																			YES	YES	YES	YES
NVVN (Bhutan)																			NA	YES	YES	YES
GMR																			NO	NO	YES	YES
JITPL																			NO	YES	NO	NO
INBEUL																			NO	NO	YES	NO
TPTCL (DAGACHU)																			NO	NO	NO	NO
JLHEP(DANS ENERGY)																			NO	YES	NO	NO
BRBCL																			YES	YES	NO	YES
POWERGRID (ER-I)																			NO	NO	NO	YES
POWERGRID (ER-II)																			NO	YES	YES	NO
TUL (TEESTA-III)																			NA	NA	NO	NO
DIKCHU																			NA	NA	NO	NO
SHIGA (TASHIDING)																			NO	YES	NO	NO
OPGC																			NA	NA	YES	YES
Rongnichu	YES	YES	NO	NO																		

TRAS Account Reconciliation Status

Name of The Utility	2023-24				2024-25	
	Q1 (28.07.23)	Q2 (19.10.23)	Q3 (25.01.24)	Q4 (24.04.24)	Q1 (30.07.24)	Q2 (28.10.24)
NTPC	YES	YES	YES	YES	YES	YES
BRBCL	YES	YES	YES	YES	YES	YES
MPL	YES	YES	NO	YES	YES	NO

SRAS Account Reconciliation Status

Name of The Utility	2022-23		2023-24				2024-25	
	Q3 (19.01.23)	Q4 (28.04.23)	Q1 (28.07.23)	Q2 (19.10.23)	Q3 (25.01.24)	Q4 (24.04.24)	Q1 (30.07.24)	Q2 (28.10.24)
NTPC	YES	YES	YES	YES	YES	YES	YES	YES
MPL	YES	YES	YES	YES	YES	YES	YES	NO
NHPC	YES	NO	NO	NO	YES	YES	NO	NO
BRBCL							YES	YES

SCUC Account Reconciliation Status

Name of The Utility	2024-25	
	Q1 (30.07.24)	Q2 (28.10.24)
NTPC	YES	YES
BRBCL	YES	YES
MPL	YES	NO

ERLDC Fees & Charges

Annexure-IX

Sl No	Entity Name	2021-22				2022-23				2023-24				2024-25	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1	Adhunik PNRL	Yes	Yes				Yes		Yes	Yes				Yes	
2	Alipurduar HVDC														
3	Alipurduar Transmission Limited														
4	BARH STG-I	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5	BARH-II	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6	Bharatiya Rail Bijlee Company Ltd.	Yes				Yes	Yes								
7	Bihar State Power Transmission Company Ltd.								Yes						
8	Darbhanga-Motihari Transmission Company Ltd.	Yes	Yes												
9	Darlipali Super Thermal Power Project	Yes	Yes												
10	DVC														
11	DVC Seller														
12	ENICL														
13	FSTPP-I - II	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14	FSTPP-III	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
15	GI HYDRO					Yes	Yes				Yes				Yes
16	GMR Kamalanga Energy Ltd.														
17	GRIDCO	Yes	Yes	Yes	Yes							Yes	Yes	Yes	
18	HVDC SASARAM														
19	Jharkhand Bijli Vitran Nigam Limited														
20	JINDAL INDIA THERMAL POWER LTD.														
21	Jorethang Loop HEP							Yes	Yes	Yes	Yes				
22	Kanti Bijlee Utpadan Nigam limited	Yes	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
23	KHSTPP-I	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
24	KHSTPP-II	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25	Maithon Power Limited	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	
26	Nabinagar Power Generation Corporation Ltd.					Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
27	NORTH KARANPURA TRANSCO LIMITED														
28	NVVN Bangladesh						Yes				Yes		Yes	Yes	
29	NVVN Nepal										Yes				
30	Odisha Generation Phase-II Transmission Limited														
31	PMJTL														
32	PMTL														
33	POWERGRID ISTS														
34	POWERLINK ISTS														
35	Purulia & Kharagpur Transmission Comp. Ltd.														
36	RANGEET HEP														
37	Rognichu HEP					Yes									
38	Shiga Energy Private Ltd							Yes	Yes	Yes	Yes				
39	SIKKIM														
40	Sneha Kinetic Power Project Private Ltd														
41	TALCHER SOLAR PV POWER STATION,NTPC LIMITED	Yes	Yes												
42	Tata Power Trading Company Limited		Yes	Yes		Yes									
43	TEESTA HEP														
44	Teesta Urja Ltd.(Teesta -III HEP)	Yes													
45	Teestavalley Power Transmission Ltd.												Yes		
46	TSTPP-I	Yes	Yes												
47	WBSEDCL				Yes		Yes			Yes					
48	ERNVNBHUTAN_NIKACHHU												Yes	Yes	
49	NVVN_DGPC Basochhu												Yes		