



भारत सरकार Government of India

विद्युत मंत्रालय Ministry of Power

उत्तर पूर्वी क्षेत्रीय विद्युत समिति

North Eastern Regional Power Committee

एन ई आर पी सी कॉम्प्लेक्स, डोंग पारमाओ, लापालाङ, शिल्लोंग-७९३००६, मेघालय

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No.: NERPC/COM/CC_Corr/2018/ 445-490

14-May-24

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3. MD, AEGCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
4. MD, APGCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
5. MD, MSPDCL, Secure Office Bldg. Complex, 3rd Floor, South Block, Near 2nd MR Gate, Imphal – 795 001
6. MD, MSPCL, Keishampat, Imphal – 795 001
7. Director (Distribution), MePDCL, Lumjingshai, Short Round Road, Shillong – 793 001
8. Director (Transmission), MePTCL, Lumjingshai, Short Round Road, Shillong – 793 001
9. Director (Generation), MePGCL, Lumjingshai, Short Round Road, Shillong – 793 001
10. Engineer-in-Chief (P&ED), Govt. of Mizoram, New Secretariat Complex, Khatla, Aizawl – 796 001
11. Engineer-in-Chief (P&E), Department of Power, Govt. of Nagaland, Kohima – 797 001
12. Director (Tech), TSECL, Banamalipur, Agartala – 799 001
13. Director (Generation), TPGL, Banamalipur, Agartala – 799 001
14. GM (Transmission), TPTL, Banamalipur, Agartala – 799 001
15. ED (Commercial), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
16. ED (O&M), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
17. ED (Commercial), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
18. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
19. Group GM, NTPC Limited, Bongaigaon Thermal Power Project, P.O. Salakati, Kokrajhar-783369
20. GM (Comml), NTPC Limited, ER-II HQ, Plot No. N-17/2, Third Floor, Naya Palli, Bhubaneswar-751012
21. MD, OTPC, 10th Floor, Core-4 & Central, Scope Minar, Laxami Nagar, New Delhi Delhi , 110092
22. MD, NETC, #2C, 3rd Floor, D-21, DMRC Building, Corporate Park, Sector-21, Dwarka, Delhi-77
23. Head & VP- Regulatory & Contracts, ENICL, Windsor Building, Near Raheja Centre Point, Off CST Road, Kalina, Santacruz (East), Mumbai-400098
24. ED, NERTS, PGCIL, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
25. AGM (BD), NVVN, Core 5, 3rd floor, Scope Complex, 7 Institutional Area, Lodhi Rd., N. Delhi-3
26. Vice President, PTCIL, 2nd Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi – 110066
27. Dy. COO, CTUIL, “Saudamini”, 1st Fkloor, Plot No. 2, Sector-29, Gurugram, Haryana - 122001
28. ED, NERLDC, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
29. Chief Engineer, GM Division, CEA, Sewa Bhawan, R.K. Puram, New Delhi – 110066

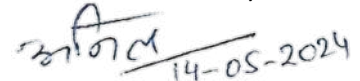
Sub: Minutes of the 51st Commercial Sub-Committee Meeting held on 26th April 2024

Sir/Madam,

Please find enclosed herewith the minutes of the 51st Commercial Sub-Committee Meeting held on **26th April, 2024 (Friday) at Niathu Resort, Chumoukedima, Nagaland** for your kind information and further necessary action.

Encl.: As above

भवदीय / Yours faithfully,




(अनिल कवरानी/ Anil Kawrani)

निदेशक / Director

Copy to:

1. CGM (Comml), APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
2. ED (Comml), MSPDCL, Secure Office Bldg. Complex, South Block, Near 2nd MR Gate, Imphal-01
3. SE (EM), MePDCL, Lumjingshai, Short Round Road, Shillong – 793 001
4. S.E. (Commercial), Department of Power, Govt. of Mizoram, Khatla, Aizawl – 796 001
5. A.C.E. (Gen & Trans), Department of Power, Govt. of Nagaland, Kohima – 797 001
6. AGM (C&SO), TSECL, Agartala – 799 001
7. Head of SLDC, Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
8. Head of SLDC, SLDC Complex, AEGCL, Kahilipara, Guwahati - 781019
9. Head of SLDC, MSPCL, Manipur, Imphal.
10. Head of SLDC, MePTCL, Lumjingshai, Short Round Road, Shillong – 793 001
11. Head of SLDC, Department of Power, Govt. of Mizoram, Aizawl – 796 001
12. Head of SLDC, Department of Power, Nagaland, Dimapur.
13. Head of SLDC, TSECL, Tripura, Agartala – 799 001
14. GM, Loktak HEP, NHPC Limited, Vidyut Vihar, Komkeirap, P.O. Loktak, Manipur – 795 124
15. DGM (Comml), NTPC Limited, 16th Rupalim Path, Rukhmini Nagar, Guwahati-781022
16. GM (Comml), OTPC, Core 4 & Central, 10th Floor, SCOPE Minar, Laxmi Nagar, Delhi – 110092
17. Head of the Plant, OTPC, Palatana, Kakraban, Gomati District, Tripura - 799116


14-05-2024

(अनिल कवरानी/ Anil Kawrani)

निदेशक / Director



North Eastern Regional Power Committee

Minutes of

51st Commercial Sub-Committee Meeting

Date: 26/04/2024 (Friday)

Time: 10:00 hrs.

Venue: Niathu Resort, Dimapur.

The 51st Commercial Subcommittee Meeting (CCM) of NERPC was held on April 26, 2024, at Niathu Resort, Dimapur. The meeting was hosted by DoP Nagaland. The list of participants is attached at Annexure-I.

The meeting began with an inaugural session and presentation of flower bouquets to the dignitaries. Sh. Kasho Chishi, Additional Chief Engineer (T&G), DoP Nagaland welcomed the delegates and other participants and expressed gratitude for giving the opportunity to DoP Nagaland for hosting the 51st CCM. He wished all delegates a comfortable stay and a productive meeting.

Sh. Moa Aier, Engineer-in-Chief, DoP Nagaland highlighted importance of NERPC at the time of crisis management, to resolve commercial disputes and share best practice among members. He also highlighted interconnection of Power sector with rest of economy. He expressed a deep sense of appreciation to NERPC Secretariat for carrying out its function impartially and ensuring reliable power in the region.

Sh. K. B. Jagtap, Member Secretary, NERPC welcomed all the esteemed dignitaries in the 51st CCM of NERPC at Dimapur, Nagaland. He expressed his gratitude to DoP Nagaland for hosting the meeting and for making excellent hospitality arrangements for the participants. He impressed upon the importance of CC forum in resolving regulatory & commercial issues. He highlighted some of the best practices for reducing the AT&C losses and urged the representatives from DISCOMs to make efforts to reduce AT&C losses. He thanked all stakeholders for their cooperation and further encouraged CC forum for resolution of all the issues amicably. The inaugural session concluded with vote of thanks by Superintending Engineer (E), DoP, Nagaland.

After this, Member Secretary, NERPC took up the agenda for discussion.

C O N F I R M A T I O N O F M I N U T E S

1. CONFIRMATION OF MINUTES OF THE 50th COMMERCIAL SUB-COMMITTEE MEETING OF NERPC.

Minutes of the 50th CC Meeting held on 12th Jan 2024 at State Convention Centre, Shillong was circulated vide no. No.: NERPC/COM/CC_Min/2018/6921-6967 dated 5th Feb. 2024.

Deliberation of the Sub-committee

No observation was received from any of the constituents. The sub-committee confirmed the minutes of the 50th CCM.

The Sub-committee noted as above.

I T E M S F O R D I S C U S S I O N

2 AGENDA ITEMS FROM NERPC

2.1 Recent Key Regulations/orders:

The following CERC regulations/order(s) have been notified:

1. Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for the tariff period from 1.4.2024 to 31.3.2029.
2. Draft procedure for Implementation of the Electricity (Late Payment Surcharge and related matters) Rules, 2022.

This is for information of the members.

Deliberation of the Sub-committee

NERPC highlighted the significant clauses/ salient points of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 for the tariff period from 1.4.2024 to 31.3.2029 (**Annexure 2.1.1**).

Further, NERLDC highlighted the significant clauses/ salient points of draft procedure for implementation of the Electricity (Late Payment Surcharge and related matters) Rules, 2022 (**Annexure 2.1.2**)

Member Secretary, NERPC urged all NER constituent members to go through the draft procedure and provide comments within time frame(if any).

2.2 Board Fund Contribution status for FY 2023-24- reg.:**A.1** The status of payment for FY 2023-24 (as on 31.03.2024) is as given below:

F.Y 2023-24			
Constituents	Status of Payment	Constituents	Status of Payment
NTPC	Payment Received	Ar. Pradesh	Payment Received
NHPC	DUE	Assam / APDCL	Payment Received
PTC	Payment Received	Manipur/MSPDCL	Payment Received
NVVN	DUE	Meghalaya/MeECL	Payment Received
OTPC	Payment Received	Mizoram	DUE
NEEPCO	Payment Received	Nagaland	Payment Received
PGCIL	Payment Received	Tripura/TSECL	Payment Received
KMTL	Payment Received		

Concerned constituents are requested to kindly deposit their respective amount towards Board Fund of NERPC for FY 2023-24 at the earliest.

Deliberation of the Sub-committee

MS, NERPC expressed appreciation to the constituents who have promptly made their payments towards the Board Fund contribution for FY 2023-24. He, further earnestly, requested constituents who are yet to make their contributions for FY 2023-24 to do so at the earliest.

Mizoram informed NERPC vide latter no. F 20013/01/22-EC(P)/Com/64 that board fund contribution for FY 2023-24 is already paid.

The Sub-committee noted as above.

A.2 Constituents are requested to kindly deposit their respective amount towards Board Fund of NERPC for FY 2024-25.

Deliberation of the Sub-committee

MS, NERPC requested all the constituents to make timely payments towards Board Fund of NERPC for FY 2024-25. Demand letter in this regard will be issued by NERPC secretariat shortly.

The Sub-committee noted as above.

2.3 NERPC Secretariat Establishment Fund Contribution status for FY 2023-24- reg.:**A.1** The status of payment for FY 2023-24 (as on 31.03.2024) is as given below:

F.Y 2023-24			
Constituents	Status of Payment	Constituents	Status of Payment
NTPC	Payment Received	Ar. Pradesh	Payment Received
NHPC	Payment Received	AEGCL	Payment Received
PTC	Payment Received	APDCL	Payment Received
NVVN	Payment Received	APGCL	Payment Received
OTPC	Payment Received	MePTCL	Payment Received
NEEPCO	Payment Received	MePDCL	Payment Received
PGCIL	Payment Received	MePGCL	Payment Received
KMTL	Payment Received	MSPCL	DUE
TPTL	DUE	MSPDCL	Payment Received
TPGCL	DUE	Mizoram	Payment Received
TSECL	DUE	Nagaland	Payment Received

Concerned constituents are requested to kindly deposit their respective amount towards “NERPC Secretariat Establishment Fund” for FY 2023-24 at the earliest.

Deliberation of the Sub-committee

MS, NERPC conveyed appreciation to all constituents who have timely remitted their payments for the NERPC Secretariat Establishment Fund contribution for FY 2023-24. TSECL representative informed that payment in respect of TSECL will be made shortly. MS, NERPC urged the constituents who have not made their payments to do so at the earliest and clear the outstanding dues including TPTL and TPGCL.

The Sub-committee noted as above.

A.2 Annual Contribution Towards “NERPC Secretariat Establishment Fund” For FY 2024-25:

In the 25th NERPC Meeting held on 9th December 2024 at Kolkata, forum had approved the proposed Budget Estimate (BE) of Rs. 203.20 lakhs for FY 24-25, which is to be shared by State Utilities/Departments and CPSUs/Private members in the ratio of 1:3, respectively.

The contribution amount for each member/utility for FY 2024-25 would be as provided below.

Utilities	Annual contribution in INR
State Utilities / Departments	Rs. 5.35 Lakhs each
Central Utilities & Private Members	Rs. 16.05 lakhs each

Constituents are requested to kindly deposit their respective amount towards NERPC Secretariat Establishment Fund for FY 2024-25 at the earliest. The account details have been shared vide our letter dated 28.08.2023.

Deliberation of the Sub-committee

MS, NERPC informed that NERPC had approved the proposed Budget Estimate (BE) of Rs. 203.20 lakhs for FY 24-25 in the 25th NERPC Meeting and the contribution amount as mentioned above has to be made by respective members at earliest. Demand letter in this regard will be issued by NERPC secretariat shortly.

The Sub-committee noted as above.

A.3 Nomination for co-signatory for “NERPC Establishment Fund”/ “NERPC Board Fund”:

Presently two officers (Assistant Secretary & DDO) from NERPC Secretariat are nominated by Member Secretary, NERPC as signatories of NERPC Establishment Fund/ NERPC Board Fund.

It is proposed to modify the signatory requirements for withdrawals from ‘NERPC Establishment Fund’/ ‘NERPC Board Fund’. There shall be 3 signatories for the fund, 1 officer nominated among the NER Constituents and 2 officers from NERPC Secretariat as nominated by Member Secretary, NERPC. To execute transactions above 1 lakh INR shall require signature of any two signatories.

In this regard, CC Forum is requested to nominate an officer among the NER Constituents for the same.

Deliberation of the Sub-committee

NERPC has proposed a modification to the signatory requirements for withdrawals from the 'NERPC Establishment Fund' and 'NERPC Board Fund.' Currently, two officers from the NERPC Secretariat are nominated as signatories. The proposal suggests adding a third signatory, among the NER Constituents for the transactions above 1 lakh INR.

After detailed deliberations, it was decided to nominate an officer from Meghalaya (MeECL) for the same. Since there was no representative from Meghalaya in the meeting, NERPC Secretariat will send a letter to Meghalaya requesting for the nomination.

The Sub-committee noted as above.

2.4 Roster of CCM. -reg.

As members of NERPC are aware that Commercial Co-ordination Meetings are being hosted by constituents on rotation basis. In this regard 52nd, 53rd, 54th & 55th CC meeting has been proposed as:

52nd CCM- By NEEPCO (In the month of July'24)

53rd CCM-By Arunachal Pradesh (In the month of Oct'24)

54th CCM- By Tripura (in the month of Jan'25)

55th CCM- By NTPC (in the month of Apr'25)

This is for information of the members.

Deliberation of the Sub-committee

Forum agreed for NERPC proposal of roster for CCM for the next one year.

The Sub-committee noted as above.

2.5 NERPC Conduct of Business Rules-2024

CBR of NERPC was approved in 2006 and needs to be updated in view of the changes such as Ministry of Power Resolution F. No:23/21/2021-R&R dated 03.12.2021 reg. re-constitution of NERPC, Self-financing of NERPC, SOP (approved by Chairperson, CEA) for streamlining RPC Budget etc. As per Clause-9 of the aforesaid Resolution, the NERPC hereby makes the draft Conduct of Business rules which may be called "The North Eastern Regional Power Committee (Conduct of Business) Rules, 2024", which is hereby placed for their comments / perusal. (Ref. Annexure 2.5)

Deliberation of the Sub-committee

MS, NERPC informed that the present NERPC Conduct of Business Rules is very old and needs to be revised to incorporate the latest resolutions, guidelines and rules etc . He requested the forum to provide comments (if any) on draft Conduct of Business Rules latest by 30th May 2024. He also informed that after considering/incorporating comments, the updated Draft Conduct of Business Rules will be put in next RPC meeting for final approval.

The Sub-committee noted as above.

2.6 Generation loss of Pare HPS due to congestion. -reg.

During continuous shutdown of 132 kV Pare-Nirjuli and 132 kV Pare-RHEP-1 line for reconductoring works undertaken by M/s STERLITE Power, there was substantial loss of generation and revenue at Pare end, due to the frequent tripping of 132kV Pare-Itanagar Line1 & 2 (DOP Lines) which tripped on 04(Four)

occasions i.e. on 25/07/2023, 26/07/2023, 27/07/2023 and 30/07/2023. Due to continuous shutdown of 132 kV Pare-Nirjuli and 132 kV Pare-RHEP-1 line during this period, there was power evacuation constraint during tripping of the DOP lines and as such backing down of our generation was resorted to as per the instruction of NERLDC. During the line tripping period, both of our generating units either tripped or our generation was completely backed down by NERLDC due to power evacuation problem and safety of the workers engaged in line restoration works. Due to this there was both generation and revenue loss which is indicated in the table below:

Date	DC (MU) A	Schedule (MU)	Loss of Gen (A-B) = C (MU)	Revenue Loss D= (C*10⁶*INR5.00
25.07.2023	2.0258	1.2203	0.8082	40,41,000
26.07.2023	2.2203	1.9607	0.8702	43,51,250
27.07.2023	2.6740	2.2360	0.4380	21,90,000
30.07.2023	2.8280	2.5470	0.2809	14,04,550
Total loss of revenue				INR 1,19,86,800

In the 206th OCCM NERPC highlighted that as per the Central Electricity Regulatory Commission (Measures to relieve congestion in real time operation) Regulations, 2009 –

- I) “Congestion charge” means the supplementary charge kicked in on one or more regional entities in one or more Regions for transmission of power from one Region to another or from one State to another within a Region when **the deviations from the schedule** cause the net drawal of power in the interregional or intra-regional transmission links to go beyond the Total Transfer Capability limit)
- II) To relieve congestion in the **real time**, a congestion charge shall be applied as a commercial measure. The congestion charge will be **payable** by a regional entity or entities causing congestion in the inter-regional link or intra-regional link and **receivable** by a regional entity or entities relieving congestion. It was opined by NERPC that congestion charge kicks in only when there is deviation from the Schedule, but in the present case of Pare HEPS, NEEPCO is claiming compensation on deviation between DC and Schedule itself, therefore the claim for compensation under the regulation

by NEEPCO may not be sustainable. NERLDC also stated that NEEPCO may not be eligible for the Congestion Charges. After detail deliberation, MS, NERPC stated that the applicable regulation will be analyzed further and sustainability of the claim of congestion by NEEPCO under the regulation will be further discussed in upcoming CCM meeting.

Deliberation of the Sub-committee

NEEPCO informed that Pare generating station has single part tariff and if there is a loss of generation, the plant is not able to recover its fixed cost. In response Assam (APDCL) informed that Assam and other beneficiaries have signed agreement with NEEPCO in which it is stated that there will be no escalation in the Tariff and no extra cost shall be borne by beneficiaries.

After detailed deliberations, beneficiaries of Pare HPS not agreed to provide compensation to the said generation loss.

Forum decided to drop the agenda.

The Sub-committee noted as above.

2.7 AMC of PDMS and PSCT -reg.

As per Protection Code of IEGC, RPCs are required to maintain a centralized database containing relay settings for grid elements. Protection Database Management System (PDMS) & Protection Setting Calculation Tool (PSCT), for NER has been made operational in 2018 vide LOA NERPC/SE(O)/PDMS/2018/4135. It was funded through PSDF. Comprehensive AMC for Protection Database Management System (PDMS) and Protection Setting Calculation Tool (PSCT), currently provided by M/s PRDC, is expiring in March 2025. The PDMS and PSCT system comprise complex set of software, hardware, servers, firewall etc. The AMC of the system is essential for smooth functioning and effective utilization of the system for improvement of protection system of NER region and thus ensuring secure and reliable operation of the grid. Therefore, it is critical that AMC of the system be renewed for next few years.

In the 65th PCC meeting forum noted the requirement of renewal of AMC of PDMS and PSCT system and requested NERPC to get price offer from the vendor for reference of NERPC constituents (**Attached as Annex. 2.7**). Also, the forum referred the matter to upcoming commercial coordination meeting of NERPC for further discussion.

Deliberation of the Sub-committee

MS, NERPC apprised the forum that NERPC has been operating & maintaining PDMS and PSCT as mandated in IEGC-2023 Rule 14. Further, he informed that the funding for the AMC of PDMS and PSCT is covered under PSDF up to March-2025 and beyond that it needs to be funded by the constituents. NERPC secretariat has received the tentative cost of Rs (Incl. GST) 62,54,000/- for AMC by vendor for the year 2025.

After detailed deliberations the forum decided that RPC Secretariat will review the cost of AMC with vendor. The reviewed cost will be put up to ensuing RPC meeting for approval.

The Sub-committee noted as above.

2.8 Energy transaction of Assam with Arunachal Pradesh and Nagaland and its commercial settlement with respect to Office Memorandum of Ministry of Power, Govt. of India dated 15th June, 2023

Assam has long relationship with the states of Arunachal Pradesh and Nagaland with respect to Power transaction. Presently, Assam supplies power to Arunachal Pradesh by 12 (twelve) nos. of Interstate points while Assam takes power from Arunachal Pradesh by 2 (two) nos. of Inter State points. Assam, at present, supplies power to Nagaland through 1 (one) no. of point.

The net power drawal between APDCL and DoP, AP is presently adjusted in Deviation Settlement Mechanism (DSM) in post-facto basis. Also, the state having net drawal pays the transmission charge for the quantum monthly to the net supplying state.

For the transaction between Assam and Nagaland also, the net drawal quantum is adjusted in the DSM Mechanism, but no transmission charge is being paid as Nagaland assured to have its own transmission system soon which is not done yet.

The NERPC Forum in earlier meetings had the view that this existing mechanism of adjustment of energy in DSM is incorrect as it is done only after the end of a month while the DSM is calculated in Real Time Basis. This mechanism has affected all the states Assam, Arunachal Pradesh and Nagaland in managing their deviation from the schedule as the adjusted quantum is not known beforehand.

But the system was continued for the sake of power supply to the people of border areas and also for not having clear guideline for adjusting the same.

In this respect, it may be noted that Ministry of Power, Govt. of India has now come up with a Protocol for providing Electricity to Border areas of one State from Grid of Neighboring State on 15.06.2023.

For the settlement of the energy transacted between two states, the Point No. (vii) to Point No. (xi) of the Office Memorandum may be seen where the tariff of power supplied from one state to the other and the tariff of consumers and the payment mechanism are clearly explained.

As such, to have a proper settlement of energy transacted between the States and accordingly its payment mechanism by following the Office Memorandum of the Ministry of Power, Govt of India and to avoid any loss being faced by the states with respect to DSM, the forum is requested to discuss the matter and have a permanent solution.

In the 50th CCM, DoP Arunachal Pradesh informed the forum that out of the total 12 power drawl points earlier, now they are drawing power from Assam through 7 drawl points only. DoP Arunachal Pradesh further informed that Assam is also drawing power from 2 drawl points from Arunachal Pradesh. DoP Arunachal Pradesh requested forum to maintain Status quo until Comprehensive Scheme in Arunachal Pradesh is completed, which will improve the connectivity in remote/border areas.

Assam informed the forum that Assam and West Bengal are settling bill as per aforementioned MoP Office Memorandum/Protocol dated 15.06.2023 (for providing Electricity to Border areas of one State from Grid of Neighboring State). Assam requested forum to specify timeline to implement the said protocol in respect of Assam and Arunachal Pradesh energy bill settlement also.

After due deliberation, forum suggested that Arunachal Pradesh may be given time to discontinue drawal from Assam till Comprehensive Scheme works in the concerned areas are completed. In the areas where distribution network is still not available, Arunachal Pradesh may draw/continue to draw in accordance with MoP protocol. The items would be monitored in the CC forum regularly.

Deliberation of the Sub-committee

AGM, APDCL earnestly requested the forum to expedite the implementation of MoP Protocol dated 15.06.2023 (for providing Electricity to Border areas of one State from Grid of Neighboring State).

In response, Chief Engineer, DoP Arunachal Pradesh requested the forum to implement the protocol after the completion of Comprehensive Scheme in Arunachal Pradesh, which will improve the connectivity in remote/border areas. After detailed deliberations forum agreed that the MoP Protocol for providing Electricity to Border areas of one State from Grid of Neighboring State, will be implemented from January 2025. The items would be monitored in the next CCM.

The Sub-committee noted as above.

2.9 Furnishing the data by the generating stations regarding their primary response for RTDA Accounting purpose-reg.

In line with the Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) (First Amendment) Regulations, 2023 w.e.f. 1st October 2023, Clause 10(1) of this regulation says that Transmission deviation charges shall not be levied for the quantum of over-injection for providing primary response by a generating station, subject to verification of such over-injection by concerned RPC. Also, same regulation directed RPC to issue necessary guidelines for furnishing the data by the generating stations regarding their primary response. Therefore, guidelines for furnishing the primary response data by the generating stations is prepared (**Attached as Annex. 2.9**) and put for forum's approval.

Deliberation of the Sub-committee

NERPC informed that in order to prepare RTDA accounts, Primary response data is required by 5th of every month. After detailed deliberations it was decided that for sake of simplicity, only reportable events data will be considered for the calculation of RTDA to accommodate primary response of generators. It was further decided that generators will send block wise primary response data to NERLDC for verification and further submission to NERPC for RTDA. NERLDC was also requested to furnish primary response data for reportable events month wise from 01st October,2023 onwards to prepare RTDA accounts.

The Sub-committee noted as above.

3. AGENDA ITEMS FROM Assam

3.1 Data for Bill to be raised to Arunachal Pradesh for transmission charge for power supply to Arunachal Pradesh through 33KV/11KV lines of Assam for FY 2022-23:

As per the minutes of 36th and 37th CCC meeting of NERPC, APDCL and DoP, GoAP are to give the cumulative reading of the power transacted between Assam and Arunachal Pradesh through all 33KV/11KV lines of both the states in a financial year to NERPC and based on that NERPC certifies the transmission charges to be paid by Arunachal Pradesh to APDCL.

For FY 2023-24, APDCL has submitted the readings to both NERPC and DoP, GoAP for vetting. DoP, GoAP has also submitted the reading of the Bhalukpong-ITBP line. DoP, GoAP has also raised an issue claiming discrepancy in the reading of Namsang Tea Estate feeder which is shown as Export from Assam instead of Import. It may be noted that the reading of Namsang Tea Estate feeder was submitted by APDCL based on the Joint Meter Reading sheet signed by the representatives of both APDCL and DoP, GoAP.

As such, vetting for correction of the same is required from DoP, GoAP. Whereas, since this data is already submitted to NERLDC on monthly basis for calculation of Deviation Settlement Mechanism also, so the impact of changing the previous data is to be discussed by the forum.

Deliberation of the Sub-committee

APDCL informed forum that due to a manual error, meter reading at Namsang Tea Estate feeder is showing reverse polarity. The same error has been rectified jointly by APDCL and DoP, Arunachal Pradesh and transmission charges are settled accordingly. After deliberation, it is decided that the impact due to the said meter error on DSM is negligible, hence there is no need to revise the DSM accounts for mentioned period.

The Sub-committee agreed and noted as above.

4. AGENDA ITEMS FROM TSECL

4.1 Outstanding Dues of Mizoram

As on date, an amount of around Rs 8.84 crores is outstanding with Mizoram. It is to mention that TSECL is to make timely payment to Gail/ONGC regularly to avoid surcharge etc as well as to avoid regulation of Gas supply. Therefore, Mizoram is

requested to ensure monthly payment to avail rebate as well as to avoid surcharge, regulation of power supply etc.

Deliberation of the Sub-committee

Mizoram informed NERPC vide letter no. F 20013/01/22-EC(P)/Com/64 that sanction order and letter of credit for monthly bill of TSECL is already completed, consequently cheque for TSECL upto March-2024 is already submitted to the State treasury office. Once concerned department gives its clearance outstanding dues of TSECL will be cleared in due course.

The Sub-committee noted as above.

4.2 *Outstanding Dues of Manipur*

Outstanding with Manipur is only Rs7.96 lacks as on date excluding surcharge. Manipur is discontinuing the power from Baramura. Hence It is requested kindly to make payment immediately so that all the codal formalities be maintained to avoid any audit observation. The matter was also discussed in the last TCC/CCM meeting.

Deliberation of the Sub-committee

After brief deliberations the forum requested MSPDCL to expedite clearance of outstanding dues owed to Tripura at the earliest so that all the modal formalities be settled to avoid any audit observation.

The Sub-committee noted as above

4.3 *Calibration of meter data for Bangladesh drawal:*

Collecting meter data for Bangladesh drawal from Suryamani Nagar S/S through vin plus software since March, 2016. On that basis bill raised by TSECL. The quantum of energy is also reflecting in the REA. Hence Calibration may be required in presence of Bangladesh officials. PGCIL is requested to take the necessary steps for calibration.

Deliberation of the Sub-committee

TSECL informed forum that calibration of energy meters needs to done. Forum requested PGCIL to make necessary action to calibrate energy meters. After detailed deliberations forum decided to refer this agenda to upcoming OCC meeting for further deliberation.

The Sub-committee noted as above

4.4 Less gas supply issue during summer in NE:

It is experienced that NE region will face huge power shortage during summer mainly in the month of April, May and June. During that time Power may not be available in the DAM as well as RTM market also. At Present OTPC, Monarchak ,R.C.Nagar generates less due to Gas shortage. Moreover, the state Generation Baramura, Rookhia is also generates less due to shortage of Gas supply by ONGC/Gail. Forum is requested kindly to take up the matter with ONGC/Gail for less gas supply.

Deliberation of the Sub-committee

TSECL have informed forum that at present OTPC, Monarchak, R.C.Nagar generates less due to gas shortage. NEEPCO informed forum that its plant in Tripura was also adversely affected by shortage of gas. MS, NERPC informed forum that matter was already under discussion with MoP/CEA .

The Sub-committee noted as above

5. AGENDA ITEMS FROM NEEPCO

5.1 *Life Extension of 291 MW Assam Gas Based Power Station, Dibrugarh District, Assam – proposal for beneficiary consent:*

The 291 MW Assam Gas Based Power Station (AGBPS) commenced commercial operation in April 1999. Since commissioning, the station has been consistently supplying reliable power at very low tariff to the beneficiaries. The plant has been performing satisfactorily till date as a base load station and serving all the beneficiaries of the North Eastern Region. However, it is now felt necessary to undertake measures for Life Extension through additional capitalization, to ensure seamless supply of power to the N.E. grid

The Hon'ble Commission notified the Central Electricity Regulatory Commission (Terms and Conditions of Determination of Tariff) Regulations, 2019 ('Tariff Regulations, 2019') applicable for the control period 01.04.2019 to 31.03.2024. The relevant extract from the Tariff Regulations, 2019 reads as under:

3. Definitions –

.....

(24) 'Extended Life' means the life of a generating station or unit thereof or transmission system or element thereof beyond the period of useful life, as may be determined by the Commission on case-to-case basis;

(73) 'Useful Life' in relation to a unit of a generating station, integrated mines, transmission system and communication system from the date of commercial operation shall mean the following:

(b) Gas/Liquid fuel based thermal generating station: 25 years

Provided that the extension of life of the projects beyond the completion of their useful life shall be decided by the Commission on case-to-case basis;

27.(3) In case of gas/ liquid fuel based open/ combined cycle thermal generating station after 25 years of operation from date of commercial operation, any additional capital expenditure which has become necessary for renovation of gas turbines/steam turbine or additional capital expenditure necessary due to obsolescence or non-availability of spares for efficient operation of the stations shall be allowed

On 27.01.2022, the Hon'ble Commission passed the Order in Petition No. 280/GT/2020 approving the tariff of the Project for the tariff period – 2019 to 2024, and granted a liberty to NEEPCO to approach the Commission with an appropriate application for Life extension of units of the Project in terms of the Regulation 27 of the Tariff Regulations, 2019. The relevant extract from the Order dated 27.01.2022 reads as under:

....We, therefore, grant liberty to the Petitioner to approach the Commission with appropriate application for Renovation & Modernisation/ Life extension of units/ generating station in terms of Regulation 27 of the 2019 Tariff Regulations.

Accordingly, a Detailed Project Report (DPR) has been prepared keeping in mind the Life Extension (LE) of the plant, besides the normal O&M activities, necessary for extension of its useful life which has expired on 31st March 2024. The proposed Life Extension is for 15 years. Salient aspects of the proposal are as below:

1. Estimated expenditure of Additional capitalization for LE is Rs 455.33 crores (at Dec'23 Price Level, after decapitalization), which translates to Rs 1.56 crores/MW. Out of the Estimated expenditure of Rs. 455.33 crores an amount of Rs. 158.59 Crore has already been spent in the tariff control period 2019-24 and another Rs. 296.73 crores will be spent in phased manner during the next 5 years starting from 2024-25.

2. The First-Year (i.e 2024-25) Capacity Charge on completion of the Life Extension works, based on the estimated cost as mentioned above has been worked out at Rs. 1.80 per unit with a levelled Capacity Charge over the expected 15 years extended useful life of the plant of Rs. 2.13 per unit.
3. The Petition for Life Extension has been filed on 28.03.2024, before the Hon'ble Commission for extension of the life of the power station.
4. Further a regular Tariff Petition will be filed before the Hon'ble Commission for 2024-29 tariff period based on the year wise projected additional capitalization for the estimated additional expenditure of Rs.296.73 crores.
5. The LE of the Project would also facilitate the adoption of modern equipment and foster technical upgradation, thereby, increasing the efficiency of the Plant.
6. Further, the LE work will be undertaken in phases, depending on the availability of a particular system and unit shutdown, which will minimize the unit shutdown period, and thus, any avoidable loss in generation.
7. The confirmation/recommendations of the LE provided by the OEMs, and the assurance of fuel availability from M/s OIL for next 15 years is significant for the proposed LE.

In this connection an email has been forwarded to all the beneficiaries considering the attractive tariff and reliability of the station on 28th March'2024 seeking consent on the above proposal for carrying out LE of the 291 MW Assam Gas Based Power Station and to enable NEEPCO to obtain approval of the Hon'ble CERC on the same, as required by the relevant provisions of the Tariff Regulations,

Therefore, the proposal is placed for deliberation and approval in the esteemed house under the aegis and guidance of NERPC with a request for written consent from the beneficiaries.

Deliberation of the Sub-committee

Representative from NEEPCO informed that application for revised tariff for life extension of AGBPP has been filed before CERC. He further informed that NEEPCO and OIL have signed MoU for adequate gas supply to AGBPP plant in the tenure of extended life. NEEPCO had also informed that PAF of the plant is more than 70% and capable to supply stable & reliable power. NEEPCO further

requested beneficiaries of AGBPP to provide consent for life extension of the said plant. NERPC impressed upon the forum that since NER States need power, it will be beneficial for them to retain power of AGBPP. Assam and Nagaland intimated that they had already sent proposal to their respective concerned department and communication received from the department would be sent to NEEPCO. Forum requested all the beneficiaries to provide their consent/reply at the earliest.

The Sub-committee noted as above

5.2 Provisional Tariff for Pare HPS till determination of tariff by Hon'ble Commission for the Control Period 2024-29:

Kind reference is drawn to Hon'ble CERC order dated 17/10/2022, vide which the single part tariff of Pare HPS was approved and valid till 31.03.2024. However, NEEPCO expresses its intent to exit from the single part tariff w.e.f. 01.04.2024. In this regard, clause no. 25 of the above referred CERC Order as quoted below may please be looked into:

“ 25. In the present case, the charging of lower tariff by the Petitioner, which has been mutually agreed between the Petitioner and the Respondent APDCL through mutual negotiation, is for a period of 40 years of useful life of the plant, which is in deviation of the norms specified under the Tariff Regulations, and is in terms of the provisions of Regulation 48 of the 2014 Tariff Regulations and Regulation 66 of the 2019 Tariff Regulations. These provisions, enable the parties to charge lower tariff for a period not exceeding the validity of the said regulations i.e upto 31.3.2024. In our view, the power to remove difficulty can be exercised only to round off the angularities or minor obscurities to make the regulations workable and cannot be used to change the basic structure of the regulations. Since there is no difficulty in giving effect to the provisions of the Regulations with regard to the Petitioner charging mutually decided lower tariff, till the validity of the regulations, the prayer of the Petitioner to approve the tariff, in deviation of the norms for a period of 40 years, i.e for the period beyond the validity of the regulations (i.e 31.3.2024) is not acceptable. Therefore, the mutually decided tariff is restricted for a period till 2023- 24. However, the Petitioner is at liberty to approach the Commission seeking the approval of the Commission, to charge the said mutually agreed tariff beyond 31.3.2024, at the time of truing up of tariff along with the tariff petition, in terms of the tariff regulations applicable for the next tariff period.”

Further we would like to refer the Regulation no. 88 of Tariff Regulation 2024 quoted below may please be looked into

88. Deviation from ceiling tariff:

(1) The tariff determined in these regulations shall be a ceiling tariff. The generating company or the transmission licensee and the beneficiaries or the long-term customer, as the case may be, may mutually agree to charge a lower tariff.

(2) The generating company or the transmission licensee, may opt to charge a lower tariff for a period not exceeding the validity of these regulations on agreeing to deviation from operational parameters, reduction in operation and maintenance expenses, reduced return on equity and incentive specified in these regulations.

(3) If the generating company or the transmission licensee opts to charge a lower tariff for a period not exceeding the validity of these regulations on account of lower depreciation based on the requirement of repayment in such case, the unrecovered depreciation on account of reduction of depreciation by the generating company or the transmission licensee during useful life shall be allowed to be recovered after the useful life in these regulations. 152

(4) The deviation from the ceiling tariff specified by the Commission, shall come into effect from the date agreed to by the generating company or the transmission licensee and the beneficiaries or the long-term customer, as the case may be.

(5) The generating company and the beneficiaries of a generating station or the transmission licensee and the long-term customer of the transmission system shall be required to approach the Commission for charging a lower tariff in accordance with clauses (1) to (3) above. The details of the accounts and the tariff actually charged under clauses (1) to (3) shall be submitted at the time of true up.

(6) Where a generating company and its beneficiaries or a transmission licensee and its long term customers have mutually agreed to charge a lower tariff in respect of a particular generating station or transmission system in terms of Clauses (1) to (3) of this Regulation, the said agreed tariff shall not be revised upwards at the time of truing up based on the capital cost and additional capital expenditures in accordance with these regulations: Provided that where the trued up tariff is lower than the agreed tariff, the generating company or the transmission licensee shall charge such trued-up tariff only: Provided further that the difference between the agreed tariff and the trued-up tariff shall be settled

between the parties in accordance with Regulations 10(7) and 10(8) of these regulations.

In view of the above, it is intended to switch over to the two-part tariff system (as per draft regulation 24) as NEEPCO has suffered huge commercial losses resulting from under recovery of its fixed cost and anticipates that the same is likely to continue in the future as well.

Therefore, the proposal is placed for deliberation and approval in the esteemed house under the aegis and guidance of NERPC with a request for written acceptance from the beneficiaries.

Deliberation of the Sub-committee

NEEPCO informed forum that due to single part tariff of PARE HPS, NEEPCO is facing difficulty in recovery of fixed cost. NEEPCO further informed to forum that they have decided to approach CERC for two-part tariff period starting from 01st April-2024. NEEPCO further informed that Hon'ble CERC vide order dated 17/10/2022 allowed NEEPCO to charge the mutually agreed tariff beyond 31.3.2024.

Beneficiaries of PARE HPS informed forum that they would communicate NEEPCO on this matter at the earliest.

The Sub-committee noted as above

6. AGENDA ITEMS FROM NERLDC

6.1 *Deviation Pool Account outstanding:*

Status of Deviation charges outstanding as on 04/04/2024:

Manipur with maximum Outstanding.

Manipur – Net O/s Payable to Pool is ₹10.49 Crores

Manipur is requested to take immediate necessary action in this regard. All the pool members are requested to clear outstanding payable due within the stipulated time to avoid late payment surcharge.

Constituent	O/S Payable
Arunachal Pradesh	₹ 84,93,042
Assam	₹ 4,33,02,549
Manipur	₹ 10,49,20,185

Deliberation of the Sub-committee

Manipur have informed forum that they will pay dues in May-2024. NERPC and NERLDC requested concerned utilities to clear the dues at the earliest.

The Sub-committee noted as above**6.2 Reactive charges outstanding:**

Status of Reactive charges outstanding as on 04/04/2024

Assam with maximum Outstanding.

O/s Payable to Reactive Pool by Assam ₹29.34 Lakh

All the pool members are requested to clear outstanding payable due within the stipulated time to avoid late payment surcharge.

Constituent	O/S Payable
Arunachal Pradesh	₹ 69,555
Assam	₹ 29,34,904
Manipur	₹ 2,329
Mizoram	₹ 2,86,365
Tripura	₹ 36,139

Deliberation of the Sub-committee

NERPC and NERLDC requested concerned utilities to clear the dues at the earliest.

The Sub-committee noted as above**6.3 Signing of DSM & Reactive Reconciliation Statements:**

Status of signing of Reconciliation statements of DSM & Reactive as on 04/04/2024

Pending DSM reconciliation with – Manipur & Mizoram (Quarter-3).

Pending Reactive reconciliation with – OTPC & Manipur (Quarter-3)

Manipur, Mizoram & OTPC are requested to sign the reconciliation statements as early as possible.

Constituent	Account	Status of reconciliation for Q2
OTPC	DSM & Reactive	Not Received
Manipur	DSM & Reactive	Not Received

Deliberation of the Sub-committee

NERLDC requested concerned utilities to sign reconciliation statements at the earliest.

The Sub-committee noted as above

6.4 Opening of LC against Deviation Charges Liability:

As per CERC (Deviation Settlement Mechanism and related matters) Regulations 2022, the LC amounts pertaining to NER entities are mentioned below:

Constituents	LC to be open (in Lakhs) in FY 24-25	Present Status
Ar. Pradesh	68.78	LC of ₹ 242.48 Lakhs, valid till 31/03/2025
Assam	100.71	LC of ₹ 100.71 Lakhs, valid till 01/12/2024
Manipur	19.29	LC of ₹ 19.29 Lakhs, valid till 30/03/2025
Meghalaya	14.61	Sufficient amount retained in Pool
Mizoram	1.76	Letter from Mizoram to Bank regarding opening of LC for the required amount has only been received.
Nagaland	2.78	LC of ₹ 74.18 Lakhs, valid till 20-03-2025
Tripura	30.54	LC of ₹ 31 Lakhs, valid till 31-03-2025

Deliberation of the Sub-committee

NERPC and NERLDC requested concerned utilities to open LC at the earliest.

The Sub-committee noted as above

6.5 Signing of RLDC Fee and Charges Reconciliation Statements:

NERLDC Fees and Charges Reconciliation Statements for Q-III of FY 2023-24 were issued on 19/01/2023. We have received Signed/Reconciled copy from few users. All remaining users are requested to send the signed Reconciliation Statements at the earliest.

Constituents	Period of Reconciliation	Remarks
Ar. Pradesh	Oct to Dec (Q3) ,2023-24	Signed

Assam	Oct to Dec (Q3) ,2023-24	Signed
Manipur	Oct to Dec (Q3) ,2023-24	
Meghalaya	Oct to Dec (Q3) ,2023-24	Signed
Mizoram	Oct to Dec (Q3) ,2023-24	
Nagaland	Oct to Dec (Q3) ,2023-24	Signed
Tripura	Oct to Dec (Q3) ,2023-24	Signed
NERTS(PG)	Oct to Dec (Q3) ,2023-24	Signed
NEEPCO	Oct to Dec (Q3) ,2023-24	
Loktak	Oct to Dec (Q3) ,2023-24	
NETCL	Oct to Dec (Q3) ,2023-24	
OTPC	Oct to Dec (Q3) ,2023-24	
ENICL	Oct to Dec (Q3) ,2023-24	
NTPC	Oct to Dec (Q3) ,2023-24	Signed
BNC	Oct to Dec (Q3) ,2023-24	Signed
KMTL	Oct to Dec (Q3) ,2023-24	Signed
NER-II TL	Oct to Dec (Q3) ,2023-24	

Deliberation of the Sub-committee

NERLDC requested concerned utilities to sign NERLDC Fees and Charges Reconciliation Statements at the earliest.

The Sub-committee noted as above

6.6 Publication of Draft Central Electricity Regulatory Commission (Fees and Charges of Regional Load Despatch Centre and other related matters) Regulations, 2024:

CERC has published Draft Central Electricity Regulatory Commission (Fees and Charges of Regional Load Despatch Centre and other related matters) Regulations, 2024 for the control period 2024-29. The comments/ suggestions/ objections may be sent to CERC on or before 6th May, 2024 at the email addresses secy@cercind.gov.in and shilpa@cercind.gov.in. For users registered in CERC SAUDAMINI portal, the comments/ suggestions/objections shall also be uploaded through the SAUDAMINI Portal by clicking the e Regulation link on the e-filing Home Page.

Deliberation of the Sub-committee

NERLDC requested concerned utilities to provide comments at the earliest.

The Sub-committee noted as above

6.7 Interest calculation of DSM & Reactive Charges:

As per Cl. 10 (1) of DSM regulation,2022, defaulting constituents shall have to pay interest and same is disbursed to the constituent who had not received payment due to delay in payment by the defaulting constituents.

At present NERLDC has issued DSM Interest statements till Week-25 FY22-23. NERLDC is requesting to issue the DSM Interest Statements by NERPC as per Cl.9(3) "Separate books of accounts shall be maintained for the principal component and interest component of charges for deviation by the Secretariat of the Regional Power Committees". All the required details of payments/settlements will be provided by NERLDC.

At present NERLDC has issued Reactive Interest statements till Week-50 FY21-22. Reactive Interest is also accounted as per IEGC and same methodology is followed like DSM. Therefore, NERLDC is requesting to issue the Reactive Interest Statements by NERPC as per present practice of calculation and periodicity. All the required details of payments/settlements will be provided by NERLDC.

Deliberation of the Sub-committee

NERLDC informed forum that DSM Interest statements had been pending since Week-25 FY22-23 and Reactive Interest statements had been pending since Week-50 FY21-22.

Further, NERLDC requested NERPC to issue the DSM and Reactive Interest Statements as per present practice of calculation and periodicity. All the required details of payments/settlements will be provided by NERLDC. After detailed deliberations NERPC agreed to publish the DSM and Reactive interest statements on its website as per IEGC-2023 mandate.

The Sub-committee noted as above

7. AGENDA ITEMS FROM NERTS

7.1 Outstanding dues:

The total outstanding dues (pertaining to both PoC as well as non-PoC billing) payable by NER beneficiaries to CTUIL/POWERGRID as on **04.04.2024** is detailed below: -

(All Figures in Rs. Crores)

State/DIC	Outstanding dues > 45 days	Total Outstanding dues	Remarks
Arunachal Pradesh	0.00	4.98	Approx. 1month receivables
APDCL, Assam	0.00	39.95	Approx. 1 receivable
MSPDCL, Manipur	4.87	16.78	Approx. 03months receivables
MSPCL, Manipur	4.28	4.50	Approx. 13months receivables and outstanding Non POC arrear bills
MeECL, Meghalaya	0.00	6.98	Approx. 01month receivables
Mizoram	3.76	8.31	Approx. one month Transmission Charges bill and outstanding 13months Non POC bill and arrear bill
Nagaland	0.00	5.49	Approx. 01 months receivables
TSECL, Tripura	10.34	30.25	Approx. 03 months receivables
NHPC	0.02	0.02	

Concerned DICs with >45 days outstanding dues, viz. TSECL, MeECL, Mizoram, MSPDCL, & MSPCL may be impressed upon to clear the outstanding dues immediately since POWERGRID and other transmission licensees (on behalf of whom CTUIL does the billing & collection) are facing financial constraints due to accumulation of such huge outstanding dues. Further MSPCL & Mizoram are requested to liquidate the long pending outstanding dues of POWERGRID against Non POC Bills which also attract audit observations.

Deliberation of the Sub-committee

NERPC and CTUIL/POWERGRID requested concerned utilities to clear the dues at the earliest.

The Sub-committee noted as above

6.2 Status of LC of NER beneficiaries (as per new requirement):

As it is known to all concerned that Central Transmission Utility of India Ltd (CTUIL), a subsidiary of POWERGRID, has started functioning as CTU w.e.f. 01.04.2021 as per notification dated 09.03.2021 issued by MoP, GoI and accordingly, the Billing, Collection and Disbursement of transmission charges (*for PoC billing*), a function of CTU, is being undertaken by CTUIL with effect from **01.04.2021**.

Consequent to above, separate LCs in favour of CTUIL (*for PoC Billing*) and POWERGRID (*for non-PoC billing*) in place of existing LCs, which are in favour of POWERGRID, are to be maintained by DICs in line with provisions of Regulation 19 of CERC Sharing Regulations, 2020 and to avail CTUIL rebate scheme for FY 2023-24 & 24-25.

The status of LCs (*as per above new requirement*) of NER DICs as on **04.04.2024** is as follows: -

State/DIC	LC in favour of CTUIL (for PoC billing)	LC in favour of POWERGRID (for non-PoC billing)
Arunachal Pradesh	Available	Available
APDCL	Available	Available
MSPDCL	Available	-
MSPCL	-	Not Available
MeECL	Available	Available
Mizoram	Available	Available
Nagaland	Available	Available
TSECL	Available	Available

STATUS OF QUARTERLY RECONCILIATION FOR Q-3 OF FY 2023-24:

State/DIC	Reconciliation in favour of CTUIL (for PoC billing)	Reconciliation in favour of POWERGRID (for non-PoC billing)
Arunachal Pradesh	Received	Received
APDCL	Received	Received

MSPDCL	Received	Received
MSPCL	-	Received
MeECL	Received	Received
Mizoram	Received	Received
Nagaland	Received	Received
TSECL	Received	Received
NEEPCO	Received	Received
NHPC	Not Received	-
NTPC	Not Received	-
NETC	Not received	-
OTPC	Received	-

NHPC, NTPC and NETC is requested to kindly arrange the signed reconciliation statement for Q-3 of FY 2023-24.

Deliberation of the Sub-committee

Forum requested concerned utilities to comply with CERC regulations and enhance/open their LCs to the requisite amount at the earliest.

The Sub-committee noted as above.

7. AGENDA ITEMS FROM OTPC

7.1 *Outstanding Dues of OTPC against NER beneficiaries – OTPC:*

The current total outstanding dues of OTPC against the NER beneficiary states (as on 10-04-2024) are as under:

(Amount in Rs Crores)

Sl. No.	Beneficiary	Outstanding Dues (>45 Days)	Total Outstanding
1	Manipur	8.88	23.47
2	Tripura	30.39	88.10
	Total	39.27	111.57

As per Ministry of Power, Govt. of India scheme, OTPC had agreed for payment in installments for outstanding dues from Manipur without levy of any surcharge amount for the benefit of Manipur state. Still Manipur state is not liquidating the

current dues and the outstanding dues amount is again increasing. The State of Manipur, Mizoram and Tripura is also requested to streamline their payment process. The forum is requested to impress upon Manipur and Tripura to clear their current dues.

Deliberation of the Sub-committee

Manipur and Tripura informed forum that they had already started to pay their dues. Forum requested concerned utilities to clear their dues at earliest.

The Sub-committee noted as above

8. Additional agenda item from NEEPCO

8.1 Construction power metering issue at Khandong stg II Power station:

As you are aware that Kopili Hydro Electric Plant entered into an agreement with APDCL for construction Power of 4x50MW Kopili Power Station under bulk supply of 25KW and above. Since 132KV Bus- B was charged and subsequently after procurement control panels of 132/33KV, 7.5MVA Station supply Transformer and other 33KV feeders were charged as per suggestion and permission of OCC forum. The metering point was SEM of HV side of 132/33KV, 7.5MVA Station Supply Transformer, though CTU provided SEMs for main and back up for both HV &LV sides. It is worth mentioning here that Ex-Bus calculation of Khandong Stage-II machine was decided by Market Operation cell of NERLDC as GT HV side of the Unit SEM minus Station Auxiliary Transformer (SAT, 33/0.415KV, 1MVA) HV side (33KV) SEM, since station Auxiliary (SAT) Transformer SEM reading indicates auxiliary consumption of Khandong Stage-II Unit. However, after restoration of Khandong Stage-II Unit on 20.05.2023, billing of energy charges against construction Power is still being done by APDCL considering the metering point as SEM of HV side 132/33KV, 7.5MVA Station supply Transformer. Several communications have been made to APDCL on the matter (attached at Annexure-C.4.1). Vide reply dtd 28.02.24 APDCL has requested NEEPCO to approach NERLDC to adjust the quantum of auxiliary consumption of Khandong Stage-II Unit from the total energy generated by the Unit so that same can be adjusted in the bill raised by APDCL regarding the drawl of construction power by NEEPCO from APDCL. (Annexure-C.4.2) The agenda is placed for your intervention and discussion.

In the 213th OCCM, NEEPCO stated that energy which is being billed by APDCL, by taking metering point as HV side of 132/33kV, 7.5MVA SST, includes the

Auxiliary consumption of units. He further highlighted that the auxiliary consumption is already accounted for in ex-bus calculation of Khandong stg II unit as done by NERLDC. Therefore, he requested APDCL to take necessary action so that auxiliary consumption of units is excluded from billing of construction power.

APDCL representative stated that matter pertains to commercial division of APDCL so the same may be referred to upcoming CCM.

NERLDC requested NEEPCO to submit relevant documents to verify that no other feeder, except for auxiliary consumption, emanates from the SAT. NEEPCO agreed. After detailed deliberation the forum referred the agenda to upcoming Commercial Co-ordination Meeting for further discussion.

Deliberation of the Sub-committee

NEEPCO informed forum that auxiliary energy consumption of units was already accounted for in ex-bus calculations and APDCL also billed NEEPCO for same auxiliary consumption, hence NEEPCO requested forum to not charge auxiliary energy consumption at Khandong stage II. APDCL agreed to not to charge for auxiliary energy at Khandong stage II and to settle issue bilaterally.

The Sub-committee noted as above

DATE AND VENUE OF NEXT COMMERCIAL COMMITTEE MEETING

The next Commercial Coordination Sub-Committee meeting will be held in the month of July 2024 as per approved roster. The date and venue will be intimated separately.

List of Participants in the 51st CC Meeting held on 26th April,2024

S. No	Name & Designation	Organisation	Contact No
1	Sh. Duyu Tacho, CE (P), Comml.	Ar.Pradesh	8414077247
2	Sh. Rajesh Sharma, JE (Comml.)	Ar.Pradesh	9436058725
3	Sh. Deepanjali Das, GM	Assam	943509161
4	Sh. Indrajit Tahbildar, AGM	Assam	8761049486
5	Smt. Jayashree Saha, AGM (SLDC)	Assam	9706423677
6	Smt.Rachael H. Pakhumate, DM (SLDC)	Assam	9678863545
	-	Meghalaya	-
7	Sh. L.Mowocha, DGM	Manipur	8731017610
8	Sh. T.Satyajeet Singh, Manager	Manipur	8415945818
	-	Mizoram	-
9	Sh. Moa Aier, Engineer-in-Chief	Nagaland	9436003989
10	Sh. Penrithung Yanthan, CE (T&G)	Nagaland	-
11	Sh. Kasho Chishi, ACE (T&G)	Nagaland	-
12	Sh. Wabangmeren Jamir, ACE (D&R)	Nagaland	9856052256
13	Sh. Nitovi A. Wotsa, SE (Tech.)	Nagaland	-
14	Sh. Atoho Jakhalu, CEI (Electrical Inspectorate)	Nagaland	-
15	Sh. Debu Pal, Sr. Manager (Comml.)	TSECL	9436500244
16	Smt. Debjani Dey, ED	NEEPCO	9401012389
17	Sh. Ripunjoy Bhuyan, CGM	NEEPCO	9435339749
18	Sh. Andrew Lyngdoh, AO	NEEPCO	9436733566
19	Sh. Amaresh Mallick, ED	NERLDC	9436302720
20	Sh. M.Viswanadh, GM	NERLDC	9433041871
21	Sh. Ratul Sarma, Manager	NERLDC	9859011229
22	Sh. Anupam Acharya, Ch.Manager	POWERGRID	9402106974
23	Sh. M.K.Baruah,Sr. General Manager	POWERGRID	9401454830
24	Sh. Dinesh Laha, Lead (Comml.)	OTPC	8918720645
25	Sh.Utkarsh Katre, Lead (Comml.)	OTPC	9125313788
26	Sh. Samir Haloi, DGM (Comml.)	NTPC	9437561689
27	Sh. K. B. Jagtap , Member Secretary	NERPC	-
28	Sh. Anil Kawrani, Director	NERPC	8799737377
29	Sh. Abhijeet Agrawal, DD	NERPC	9871266951
30	Sh. Dinesh Kr. Singh, AD-I	NERPC	7042118261
31	Sh. J. D, Bhammar, AD-I	NERPC	8980757460



Highlights of Tariff Regulation 2024-29

51st Commercial Coordination Meeting
North Eastern regional Power
Committee
Ministry of Power

Change in useful life

- For communication system excluding OPGW useful life now 7 year earlier 15 year.
- Special Provisions for Tariff for Thermal Generating Station which have Completed 25 Years of Operation from Date of Commercial Operation.
- If 1. PPA not extended, 2. Beneficiary Agree, in addition to the energy charge, capacity charges determined under these regulations shall also be recovered based on scheduled generation.
- The generating company and the beneficiary may agree on an arrangement, including provisions for target availability and incentive

Emission control system

- Emission control system for Coal and Lignite based power plant
- The generating company need to file an application for determination of supplementary tariff for the emission control system not later than 90 days from the date of operation of such emission control system
- Supplementary capacity charges shall be derived on the basis of the Annual Fixed Cost for emission control system determined separately.
- energy consumption for emission control system will deduct same as Auxiliary energy consumption in calculation for Plant Load Factor and Plant Availability Factor

$$PLF = 10000 \times \sum_{i=1}^N \frac{SG_i}{[N \times IC \times (100 - AUX_n - AUX_{en})]} \%$$

$$PAFM = 10000 \times \sum_{i=1}^n \frac{DC_i}{[N \times IC \times (100 - AUX_n - AUX_{en})]} \%$$

Capital cost

- Now Following expenditure can be claim as capital cost
 1. Expenditure required to enable flexible operation of the generating station at lower loads.
 2. Capital expenditure on account of biomass handling equipment and facilities, for cofiring of existing project.
 3. For new Hydro project expenditure incurred towards developing local infrastructure in the vicinity of the power plant not exceeding Rs. 10 lakh/MW shall be considered as part of the Capital cost. funds shall be allowed only if the funds are spent through Indian Governmental Instrumentality.
 4. Incidental expenditure during construction (IEDC) shall be computed from the zero date, taking into account pre-operative expenses up to actual COD. (earlier upto SCOD)

Capital cost

- Additional capital expenditure allowed for Works pertaining to Railway Infrastructure and its augmentation for transportation of coal up to the receiving end of the generating station. generating company shall have to mandatorily seek prior approval of the Commission before implementing
- Any claim of additional capitalization less than Rs. 20 lakhs shall not be considering such works, shall be met through normative O&M expenses.

COMPUTATION OF ANNUAL FIXED COST

- The fixed cost of a thermal generating station shall be computed on annual basis based on the norms specified under these regulations and recovered on a monthly basis under capacity charge
- The capacity charge shall be recovered in two parts, viz., Capacity Charge for Peak Hours of the month and Capacity Charge for Off- Peak Hours of the month

1. Thermal Generating Stations:

Capacity Charge for the Month (CC_n) = Capacity Charge for Peak Hours of the Month (CC_{pn}) + Capacity Charge for Off-Peak Hours of the Month (C_{copn})

COMPUTATION OF ANNUAL FIXED COST

- Thermal generating station shall be allowed an incentive of up to 1.00% of AFC approved for a given year

$$\text{Incentive} = (1.00\% \times \beta \times \text{CCy})/12$$

- β = Average Monthly Frequency Response Performance for that generating station, as certified by RPCs, which shall be computed by considering primary response as per the methodology prescribed by the NLDC with approval of the Commission, and β shall range between 0 to 1. the incentive shall be payable only if the Beta value is higher than 0.30.
- In addition to the capacity charge, an incentive shall be payable to a generating station or unit thereof @ 75 paise/ kWh for ex-bus scheduled energy during Peak Hours and @ 55 paise/ kWh for ex-bus scheduled energy during Off-Peak Hours corresponding to scheduled generation in excess of ex-bus energy corresponding to Normative Annual Plant Load Factor (NAPLF) achieved on a cumulative basis.

COMPUTATION OF ANNUAL FIXED COST

3. For Hydro station:

$$CC_m = AFC \times 0.5 \times NDM / NDY \times (PAFM / NAPAF)$$

- Hydro generating station shall be allowed an incentive of up to 3.00% of AFC approved for a given year

$$\text{Incentive} = (3.00\% \times \beta \times CC_y) / 12$$

- β = Average Monthly Frequency Response Performance for that generating station, as certified by RPCs, which shall be computed by considering primary response as per the methodology prescribed by the NLDC with approval of the Commission, and β shall range between 0 to 1. the incentive shall be payable only if the Beta value is higher than 0.30
- For hydro plant in calculation of PAFM DC_i = Declared capacity (in ex-bus MW) for the i th day of the month, which the station can deliver for at least three (3) hours, as certified by the nodal load dispatch center after the day is over

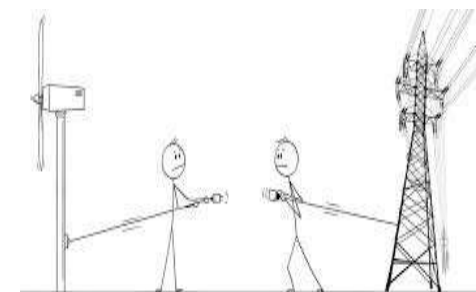


Electricity (Late Payment Surcharge and related matters) Rules



Ratul Sarma
26.04.2024

NORTH EASTERN REGIONAL LOAD DESPATCH CENTRE





- MOP Electricity (Late Payment Surcharge and Related Matters) Rules, 2022 dated 3.6.2022

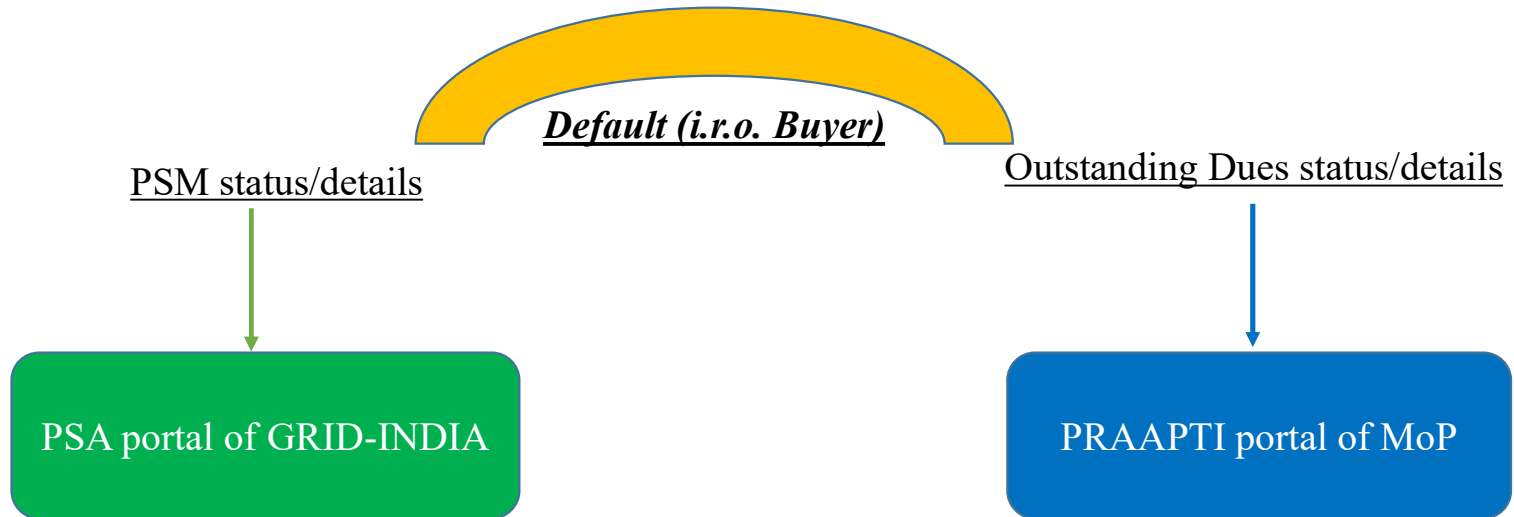
- MOP Electricity (Late Payment Surcharge and Related Matters)(Amendment) Rules, 2024 dated 28.2.2024

As per Clause 7(e) and 9(6) of the Rule, a detailed procedure is to be formulated by NLDC, to implement

a) regulation of access to defaulting entities

b) sub-rule (1) of rule 9

Late Payment Surcharge Rules (Rule 1 to 6)



- PSM status by Genco by 6 Hrs
- RLDC to publish defaulter list by 6:30 Hrs
- PSM non-maintenance info by Transco, Trader 7 days in advance

Regulation of Access to defaulting entities (Rule-7)



Scope : All inter-state and intra-state GS (except SGS), Trader, Tr. & Dn. licensee, or other user of Transmission system

In absence of PSM/Advance payment >>> Generator to regulate 100% of allocated/contracted power

In case of outstanding dues as per PRAAPTI portal statement → -> ->



D (1.5 Months)

> LPS=MCLR+5%



D+30 (2.5 Months)

> LPS=MCLR+5%+0.5%

> Short Term Contract Block

> 25% Supply regulation by Genco



D+60 (3.5 Months)

> LPS=MCLR +5%+1% ...

> Short Term Contract Block

> 10 % Regulation on Long Term Contract.....

> 100% Supply regulation by Genco

Supply obligation of the generating company (Rule-8)

- If Genco fails to offer the contracted power to Discom/ Buyer and sells the contracted power without consent except in case of power supply regulation or as per provisions of IEGC



- On complaint, Genco shall be debarred from participating in PX/DEEP portal, any new short-term contracts for the default quantum from that GS for a period of **3 Months**

- **Timeline:**

D day	Intimation by Procurer to RLDC by 17:30 Hrs
D+1 day	Examination by RLDC and intimation to Genco /Seller/ Trader
D+2 day	Response by Genco to RLDC
D+3 day	Based on the response of Genco, Debar from participation in PX/DEEP portal etc.

Sale of power not requisitioned by a distribution licensee (Rule-9)



Applicable to all ISGS and CGS connected to state network

Discom will requisition power from Genco atleast 2 Hrs before closing of bid in DAM

Genco shall offer URS power in DAM and if partially or not cleared in DAM, then offer in RTM or other market segments

Genco shall ensure that bid price does not exceed 120% of VC + Tr. charge applicable

Submission of energy charge details, bid quantum, declaration etc. on monthly basis to RPC

URS power not offered in the PX up to DC shall not be considered as available for FC calculation

Thank you

SUBMITTED TO, North Eastern Regional Power Committee (NERPC)

Annex 2.7



BUDGETARY OFFER FOR RENEWAL OF AMC FOR "PROTECTION DATABASE MANAGEMENT TOOL".



SUBMITTED BY,

Power Research & Development Consultants Private Limited



#5, 11th Cross, 2nd Stage, West of Chord Road, Bangalore -56008

+91 - 80 - 4245-5555

info@prdcinfotech.com

Offer Details

Title	Renewal of AMC for "Protection Database Management Tool"
Customer	North Eastern Regional Power Committee (NERPC)
Enquiry Reference.	E-mail dated 09-04-2024 From Mr. Vikash Shankar, IES(CPES) AEE/AD-I, NERPC MoP, GoI.
Proposal Reference No.	PRDC/KOL/2024-25/NERPC/008
Proposal Version	Version 1.0
Copyright & reproduction	This proposal is submitted by M/s Power Research & Development Consultants Private Limited to NERPC response to Email Enquiry Dated-09-04-2024. It may not be used for any other purposes, reproduced in whole or in part, nor passed to any organization or person.
Validity	10 th July 2024.
Contact Person for the Offer	Mr. Somen Sengupta
Address of Correspondence	Power Research & Development Consultants Private Limited #5, 11th Cross, 2nd Stage West of Chord Road, Bangalore- 560 086 Tel: +91- 80- 4245 5555 Cell: +91-9608457153 Email: somen.sengupta@prdcinfotech.com Website: www.prdcinfotech.com
Corporate Identification Number (CIN)	U72200KA1994PTC015487
Prepared by	Mr. Somen Sengupta
Reviewed by	Ms. Debarati Basu
Authorized by	Ms. Debarati Basu

Our Ref: PRDC/KOL/2024-25/NERPC/008

Ms. Debarati Basu
Executive Director
09th April 2024

To,
The Assistance Executive Engineer,
M/s North eastern regional Power Committee (NERPC),
Jowai Road, Umpling Shillong, Meghalaya - 793006.

Sub: "Submission of Quotation against Email Enquiry Dated- 09.04.2024.

This has reference to your email enquiry for **Renewal of AMC for "Protection Database Management Tool"** We, Power Research & Development Consultants Private Limited (PRDC) are **30 years old ISO 9001:2015 QMS and ISO/IEC 27001:2013 certified organization** are pleased to submit our proposal. PRDC is one of the largest professional Power Sector Consulting firms offering specialized services in Power System Consulting, Software & Embedded solutions along with emerging technologies viz RE, BESS, e-Mobility etc. Our global footprint in more than 37 countries includes International & multi-lateral donor agencies, Power Utilities, Regulatory bodies, Industrial conglomerates, RE Developers, Global consulting houses, global think tanks, Research & Academic Institutions.

Our services for Power Utilities encompass a wide spectrum of power system studies ranging from analysis of a nanosecond time frame phenomenon to years ahead requirements to forecasts demand. Having 160+ experts with research capabilities and cross functional experience in the power sector, PRDC can undertake all types of power system simulations and offer effective and quality solutions. The projects executed by us spanned across basic loss calculations to complex network simulations and market mechanism.

The enclosed proposal has been prepared by mapping all our relevant experience & expertise required for executing the scope envisage in the email enquiry.

Our experience of executing several such assignments enables us to deliver better than the best.

Assuring you our best services at all times.

Thanking you
Sincerely,



Power Research and Development Consultants Private Limited
Ms. Debarati Basu
Executive Director

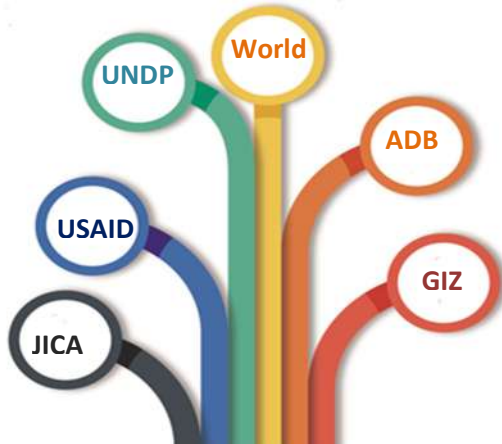
ABOUT PRDC

Power Research & Development Consultants Private Limited (PRDC) is an ISO 9001:2015 QMS certified 26 year old company. PRDC is one of the largest professional power systems consulting service firm with seasoned power system experts having diverse experience. Core competence of PRDC is in the area of **power system consulting, power system analysis, distribution and transmission planning, design and analysis, design & development of complete solutions for SCADA, Industrial Automation & engineering simulation software and embedded system solutions.**

<p>OUR STRENGTHS</p> <ul style="list-style-type: none"> Power System Studies Power System Consulting Renewable Integration Transmission System Analysis Power System Protection Distribution Solutions Integrated Software Solutions Customized Software Solutions RE/EV/BESS Integration studies Grid Ancillary Services Impact of EV on local grids Impact of large Scale RE Penetration on Grid EV charging infrastructure assessment DER penetration studies Loss Assessment Demand side management Distribution Automation Advanced Meter Infrastructure Energy Auditing 		<p>Transmission Solutions</p> <ul style="list-style-type: none"> Transmission Planning Loss Evaluation Dynamic VAR Compensation
		<p>Generation Solutions</p> <ul style="list-style-type: none"> Generation Planning Evacuation Scheme Evaluation Generator Parameters Grid Interconnection Study
		<p>Distribution Solutions</p> <ul style="list-style-type: none"> Distribution Planning Energy Auditing & Loss Computation Feeder/asset Mapping and Analysis

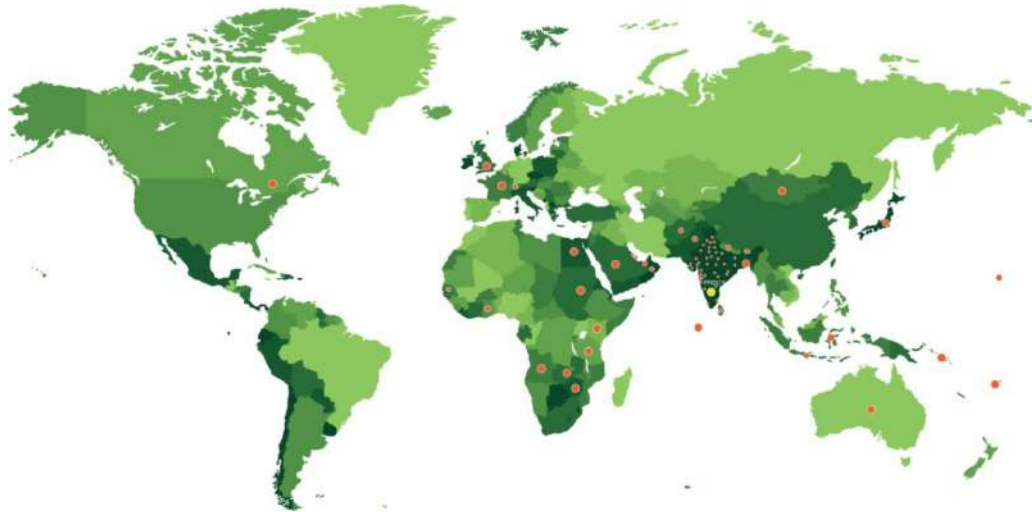
PRDC is proud to have worked in projects funded by multilateral & institutional funding agencies also. This experience in turn provides us the capability and the necessary wherewithal in executing the current assignment maintaining the best international standards. A snapshot of the various institutional funding agencies with whom PRDC is involved is as under:

► **Renewal of AMC for "Protection Database Management Tool"**



Our global expertise enables us to provide multi-disciplinary services in power sector with a range of working experience with Electrical utilities throughout India, Bangladesh, Nepal, Bhutan, Middle East, Africa South East Asia and across the globe on various fronts.

Global Presence



Quality Management System

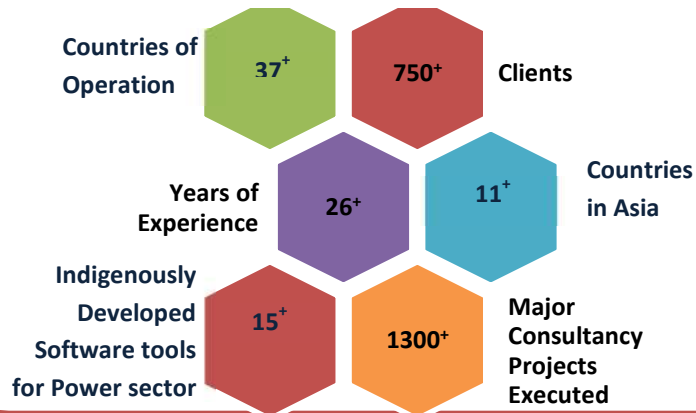
PRDC is an ISO 9001:2015 certified organization and it is following this quality standards. We have established, documented, implemented and maintained a Quality Management System (QMS) for smooth and efficient working of the organization. The QMS covers all functions and their interactions to ensure delivery of quality services to comply with client requirements and expectations.

Information Security Management System - ISO/IEC 27001

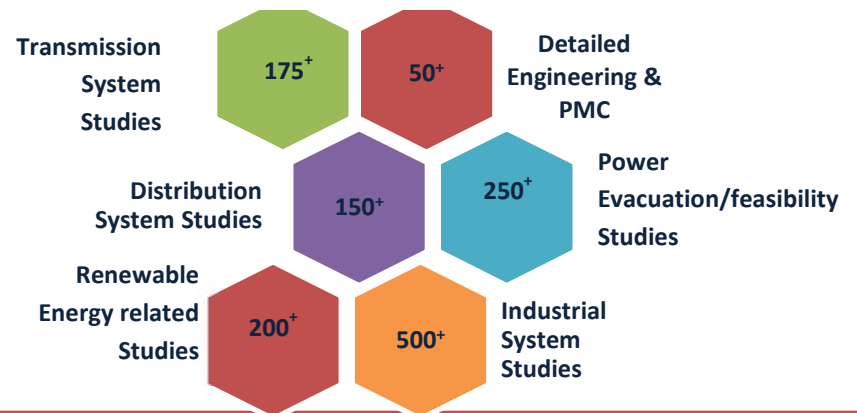
PRDC is also certified with ISO/IEC 27001:2003 in accordance with requirement of ISO 27001 to maintain and secure the data of all our clients and stake holders.



Capabilities/Experience of PRDC



Segment Wise Experience



EXPERIENCE IN TRANSMISSION



Operational Studies	30+
Planning Studies	55+
Protection Studies	25+
Stability Studies	25+
Insulation Studies	50+
Feasibility Studies	10+

EXPERIENCE IN DISTRIBUTION



Distribution Planning	50+
Loss Assessment/E.A	25+
Operational Studies	25+
Feasibility Studies	25+
Demand Forecasting	10+
Cost to Serve Studies	10+

EXPERIENCE IN RENEWABLES



RE Grid Code Studies	50+
Wind Integration	300+
Sola PV Integration	125+
Mini/Micro Grids	15+
Grid Stability Studies	200+
Hydro Integration	25+

DPR and PMC Services



Preparation of DPR	25+
PMC Services	15+
Prefeasibility Studies	10+
Detailed Designs	5+
U.G cabling	25+
Substation PMC	5+

EXPERIENCE IN INDUSTRIES



Steel Industries	225+
IPPs	50+
Oil & Gas	25+
Cement Industries	35+
Aluminum Industries	15+
Others Process Ind.	100+

SCOPE OF WORK

Detailed scope of work for protection Studies for NERPC AMC renewal Support.

Protection of the electrical system is one of the important tasks in the power engineering field. Power system protection engineering field deals with precautionary measures to be taken to safeguard the power system during abnormal operating conditions.

Keeping in view the importance of a comprehensive database and protection setting tools for a healthy power system, North Eastern Regional Power Committee has completed the PSDF funded project for creation and maintenance of protection database for north eastern region. The objective of this project was to create/build requisite tools that can be pressed into service for studying the behavior of relays and the protection system as a whole due to various system contingencies and also create and maintain a regional protection database with role-based access so that all relay setting and protection schemes are available up to date.

With the updated database the utilities are able to check the relay details and settings along with all necessary protection data perform tripping incident analysis in the protection setting calculation tool.

1. Depending upon the future scenario and upcoming developments new substation and elements will be added with grid. For maintaining the healthiness of the existing database below activities will be carried out by PRDC for the next one year on regular/daily basis.
 - a. New element addition as per OCC meeting
 - b. Data updation in PSCT and PDMS
 - c. Modification on Geo Map
 - d. Software Enhancement and bug fixing for PSCT and PDMS
 - e. DMNS Reporting
2. PRDC will attend monthly PCC meetings and provide review report on tripping incidents occurring in the NERPC network.
3. Our protection expert will provide the necessary suggestions to protection core committee in every PCC meetings
4. PRDC will deploy one engineer in NERPC premises for all working days, who will provide other miscellaneous supports to check healthiness of the server by which total Web Base protection database management tool is running as mentioned below.
 - a. Regular Health checkup for Live Server
 - b. UPS backup activity checking
 - c. Server Temp file/Cache clearing
 - d. Database storage backup of PDMS
 - e. Internet Speed monitoring for Server
5. PRDC will provide Hardware support and warranty renewal to maintain the healthiness of the Hardware’s which are running behind this Web Base protection database management tool are mentioned below

List of Hardware Equipment's under AMC – NERPC PMS Data center:

S. No	Hardware Equipment's	Qty	AMC- Repair/Replacement
1	Barracuda Firewall F180	1	Replacement
2	Barracuda Firewall WAF	1	Replacement
3	Dell Switch N3024	2	Faulty parts will be repaired
4	Dell Servers PowerEdge R530 Web Server	2	Faulty parts will be repaired
5	Dell Servers PowerEdge R530 Database Server	2	Faulty parts will be repaired
6	Dell Servers PowerEdge R530 Application Server	2	Faulty parts will be repaired
7	Dell EMC VMXe3200	1	Faulty parts will be repaired
8	Tape Device	1	Faulty parts will be repaired
9	Desktop – Nagios Server	1	Faulty parts will be repaired
10	Network Hub/Cables/Keyboard /Mouse/Backup Tapes	1	Replacement

Note: AMC will not be covered for above mentioned Hardware's if any issue caused by physical damage, Fire, Floods and UPS/Electric failure or surge.

► **Renewal of AMC for “Protection Database Management Tool”**

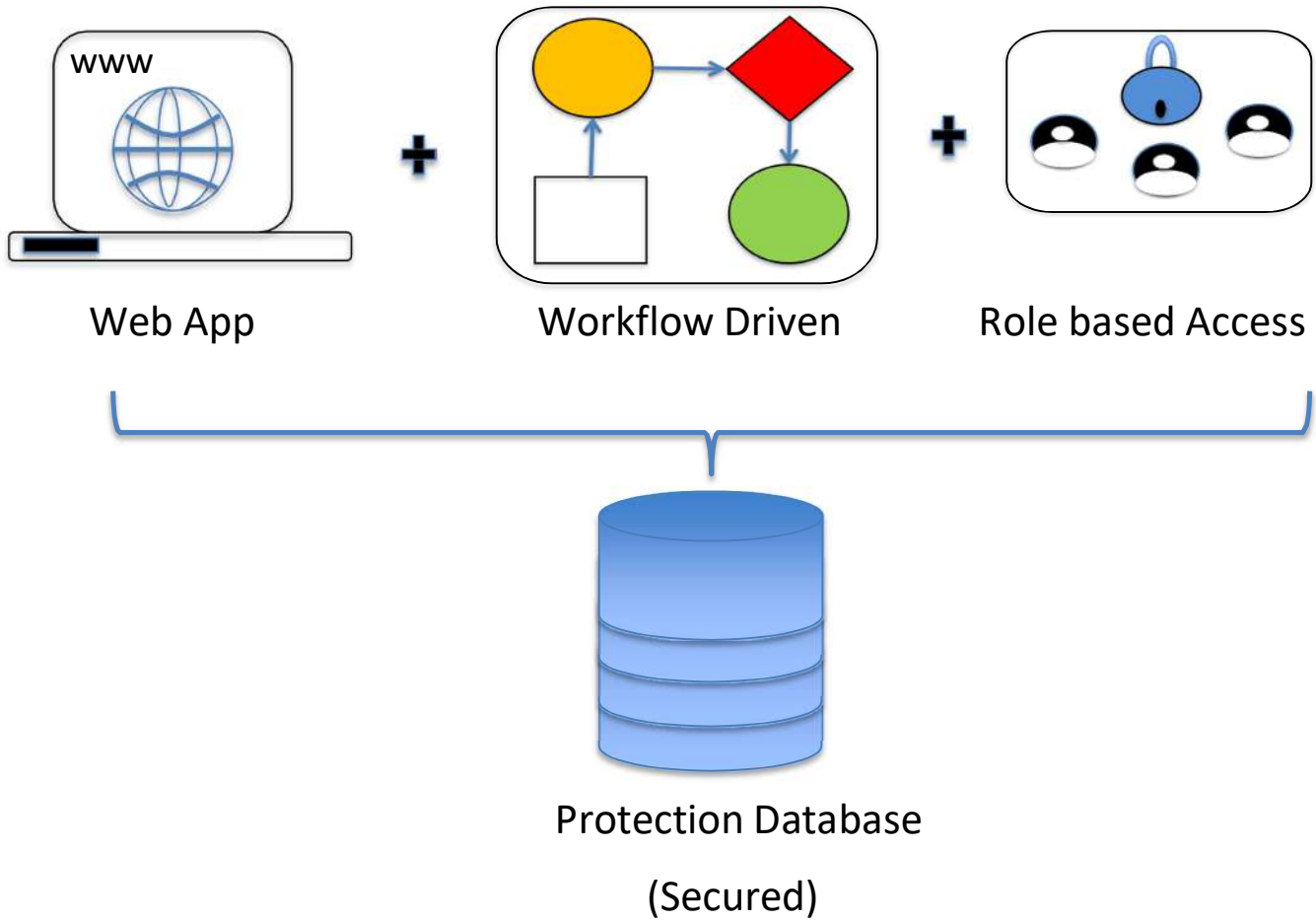
✚ **Responsibilities of M/s NERPC:**

1. Provide its requirement, specifications and expected outcome for maintenance of protection database and consultancy of protection related matter by PRDC.
2. Facilitate in collecting all necessary relay/protection setting details & other information, for maintain the protection database up to date.
3. Any other activity as required by both Parties for successful maintenance of protection database system.

✚ **Exclusion:**

1. If the servers and SAN storage having irreparable damage and demands replacement with new hardware is not covered under this scope.
2. Enhancement in the configuration of hardware specification is not covered under this scope.
3. Any hardware declared as End of support by the OEM, such hardware repair will be subjected to availability of spares in the market.

Protection Database Management system (PDMS)



Commercial Terms & Conditions

Estimate for Renewal of AMC for "Protection Database Management Tool" from 1st March 2025 to 28th February 2026

Consultancy Charges:-

Sl. No.	Activities	Description	Unit	Total Cost(INR)
1	Onsite Support	One dedicated Resource allocation for Protection suite data updation and other protection related activities at NERPC office.	1 Lakhs Per man Month for 12 months	12,00,000
2	Technical Consultation & Yearly workshop of protection system.	Attending monthly PCC meeting by protection expert and review report on tripping incidents	For one year	10,00,000
3	Hardware AMC Support	Hardware AMC renewal and Support	For one year	11,00,000
4	Software resource support at Bangalore	Software upgrades , trouble shooting , Bug fixing within specified time frame	For one year	18,00,000
5	User Training	Four numbers online 3 day training on Protection Database and PSCT for 15 participants.	For one Year	2,00,000
			Grand Total without tax	53,00,000
			GST @ 18%	9,54,000
			Grand Total with tax	62,54,000

** In words- Sixty-Two Lakh Fifty Four Thousand only.

Offer Validity:

Offer will be valid up to 10th July 2024

Payment Terms and Conditions:

Monthly payment apportioned from the annual charges against submission of invoice at the end of a working month.

NERPC Guidelines for Exempting Quantum of Over-Injection
for Providing Primary Response by a Generator

1. Background:

- Clauses (1)a of Regulation 12 of the Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) (First Amendment) Regulations, 2023 mandates RPC for issuing of necessary guidelines for furnishing the data by the generating stations regarding their primary response.

Quote

Provided further that transmission deviation charges shall not be levied for the quantum of over-injection for providing primary response by a generating station, subject to verification of such over-injection by concerned RPC:

Provided also that each RPC shall issue necessary guidelines for furnishing the data by the generating stations regarding their primary response.

Unquote

- Regulation 30 (8) of CERC IEGC Regulation 2023 states

Quote

The primary response of the generating units shall be verified by the Load Despatch Centres (LDCs) during grid events. The concerned generating station shall furnish the requisite data to the LDCs within two days of notification of reportable event by the NLDC.

Unquote

2. Applicability:

The guidelines shall be applicable to all regional generators of NER.

3. Guidelines:

The following guidelines shall be followed by the respective entities

- a. The generator shall submit the claim for RTDA exemption by 5th of the month for the previous month to NERLDC & NERPC. Provided that in case of no data/claim is received by the 5th of the month, it shall be treated as no claim for the previous month.
- b. The following data will be furnished by generator:
 - i. Date & Start Time & End Time of the primary response event
 - ii. Frequency profile (clearly indicating triggering of Primary Response) at Generator Terminal with smallest scan rate (say, 500 msec intervals) available with generator one minute prior to Start Time and one minute beyond End Time
 - iii. Generation profile at Generator Terminal of all the units with smallest scan rate available with generator one minute prior to Start Time and one minute beyond End Time
 - iv. Primary Response Input to Governor of Generator for all the units with smallest scan rate available with generator for the above period.
 - v. Energy claim for RTDA exemption for the 15-minute Block due to primary response along-with computations. The claim at Generator Terminal of all the units would be translated to Ex-bus by the Generator by using the normative/declared Aux Con to NERLDC.
 - vi. SCADA data viz Time, Frequency, and actual MW at Generator Terminal. The SCADA data shall be submitted for 15 minutes duration covering 5 minutes before the Start Time, Actual minutes of Primary Response (5 minutes) and 5 minutes beyond End Time.

Note: The time between start and end frequency for primary response triggering shall not exceed 15 seconds for the purpose of computing the response.

- c. NERLDC shall check the frequency pattern from the nearest PMU and confirm the time of the event, frequency dip, and rate of change of frequency. NERLDC shall check the FGMO/RGMO status as per SCADA & confirm the status. NERLDC would verify the claim keeping in view all the inputs received from Generator. NERLDC would recommend the energy which can be exempted along-with reasons for deduction in claim, if any by 15th of the month.
- d. NERPC & NERLDC shall consider the effect of primary response in RTDA only if the following is satisfied. Let us consider the 't' as the time block in which the primary response claim is made by the generator.
 - i. Generator has submitted the claim with full details as envisaged on time.
 - ii. NERLDC has confirmed the primary response event for reportable events only.
 - iii. FGMO is in enabled condition as per NERLDC SCADA data & confirmed by NERLDC.
- e. The energy claim by the generator due to the primary response shall be limited to 5 %/ 10 % of MCR (Ex-bus), as applicable, for the purpose of RTDA as area under the curve approximated by the formula below:
$$[0.5 * (5/10)] * [Total MCR(Ex-bus) * Change in frequency * 100] / (Drop * 50)$$
- f. NERPC would consider the NERLDC recommended energy for RTDA exemption.

4. Power to Relax:

The NERPC may, for reasons to be recorded in writing, relax any of the provisions of these Guideline on its own motion or on an application made before it by an interested member of NERPC.