



सत्यमेव जयते

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
NERPC Complex, Dong Parmaw, Lapalang, Shillong - 793006, Meghalaya



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No.: NERPC/COM/CC_Corr/2018/4282-4328

September 14, 2023

To

1. Chief Engineer (Commercial) -cum- CEI, Deptt. of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
2. MD, APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
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 Transmission, KMTL, 7th Floor, Fulcrum, Sahar Road, Andheri (East), Mumbai-400099
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 Fkooor, 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: Agenda & Venue for the 49th Commercial Co-ordination Committee Meeting of NERPC-reg.

Sir,

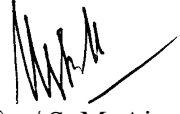
In continuation to our letter of even no. dated 28.08.2023, it is to inform that the 49th Commercial Coordination Committee Meeting (CCM) of NERPC will be held on **21st September 2023 (Thursday) at 10 am at Aurika - By Lemon Tree Hotels, Udaipur, Rajasthan.**

Further, please find enclosed herewith the agenda items for the meeting for your reference and necessary action.

It is to inform that there will be 2 (two) ppt. presentations in the 49th CC meeting: (1) New Products introduced in Power Exchanges by PXIL and (2) OTC platform & its usability to Discoms by M/s New Age Markets in Electricity (NAME).


Concerned officers from all constituents/entities are requested to kindly make it convenient to attend the meeting for fruitful deliberation and positive outcome.

भवदीय / Yours faithfully,


(एस. एम. आइमोल / S. M. Aimol)
निदेशक / Director

Copy to:

1. CGM (Comml), APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
2. ED (Comml), MSPDCL, Secure Office Bldg. Complex, 3rd Floor, 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. General Manager, Loktak HEP, NHPC Limited, Vidyut Vihar, Komkeirap, P.O. Loktak, Manipur – 795 124
15. AGM (Comml), NTPC Limited, 16th Rupalim Path, Rukhmini Nagar, Guwahati-781022
16. GM (Comml), OTPC, 6th Floor, A Wing, IFCI Tower-61, Nehru Place, New Delhi-110019
17. Head of the Plant, OTPC, Palatana, Kakraban, Gomati District, Tripura - 799116
18. Director, NETC, 1st Floor, Corporation Tower, AMBIS Mall Complex, NH-8, Gurgoan -122001


(एस. एम. आइमोल / S. M. Aimol)
निदेशक / Director



North Eastern Regional Power Committee

Agenda

For

49th Commercial Sub-Committee Meeting

CONFIRMATION OF MINUTES

1. CONFIRMATION OF MINUTES OF THE 48th COMMERCIAL SUB-COMMITTEE MEETING OF NERPC.

Minutes of the 48th CC Meeting held on 19th April 2023 at at Thenzawl Golf Course & Resort, Mizoram was circulated vide no. No.: NERPC/COM/CC_Min/2018/814-858 dated 4th May 2023.

No observations have been received from constituents. The minutes of the 48th CCM may be confirmed.

ITEMS FOR DISCUSSION

2 AGENDA ITEMS FROM NERPC

2.1 Recent CERC Regulations

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

1. Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2023 w.e.f. 1st October 2023.
2. Implementation of the “Ancillary Services” Regulations (TRAS), 2022 w.e.f. 1st June 2023.
3. Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) (First Amendment) Regulations, 2023 w.e.f. 1st October 2023.
4. Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) (First Amendment) Regulations, 2023 w.e.f. 1st October 2023.

This is for information of the members.

2.2 Annual Contribution towards NERPC Board Fund and “NERPC Secretariat Establishment Fund” for FY 2023-24:

A. Board Fund Contribution status for FY 2023-24- reg: The status of payment for FY 2022-23 (as on 01.09.2023) is as given below:

| F.Y 2023-24 | | | |
|---------------------|--------------------------|---------------------|--------------------------|
| Constituents | Status of Payment | Constituents | Status of Payment |
| NTPC | DUE | Ar. Pradesh | DUE |
| 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 | DUE |
| PGCIL | Payment Received | Tripura/TSECL | Payment Received |
| KMTL | Payment Received | | |

Constituents are requested to kindly deposit their respective amount towards Board Fund of NERPC for FY 2023-24.

B. Annual Contribution towards “NERPC Secretariat Establishment Fund” for FY 2023-24: In the 24th NERPC Meeting held on 28th June 2023, it was decided that the NERPC members will finance all NERPC Secretariat Expenses except for 'Salary'.

The forum had approved the proposed Budget Estimate (BE) of Rs. 285.76 lakhs (approx.) for FY 23-24, 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 2023-24 has been agreed upon and recommended by the NERPC forum as provided below.

| | |
|-------------------------------------|----------------------------|
| Utilities | Annual contribution in INR |
| State Utilities / Departments | Rs. 7.52 Lakhs each |
| Central Utilities & Private Members | Rs. 22.56 lakhs each |

Constituents are requested to kindly deposit their respective amount towards NERPC Secretariat Establishment Fund for FY 2023-24. The account details have been shared vide our letter dated 28.08.2023.

As on 13/09/2023, the following Utilities/DoPs have made the requisite payment:

- (1) MePGCL
- (2) NHPC
- (3) AEGCL

(4) OTPC

(5) MePDCL

Sub-committee may please deliberate.

2.3 MEMBERSHIP OF APPCPL - NERPC-reg.

Arunachal Pradesh Power Corporation Private Limited (APPCPL) has requested CEA to include them as member of NERPC. CEA has sought comments from NERPC for the same. It may be noted that both PTC and NVVN, who are traders, are already member of NERPC as agreed by NERPC forum. The matter is hereby placed for consideration.

In the 24th TCC/NERPC meeting the forum opined that the item is to be first discussed in Sub-Committee meeting(s) for detailed study and is therefore referred to the Sub Committee(s) of NERPC.

Sub-committee may please deliberate.

3. AGENDA ITEMS FROM Assam

3.1 Transmission Charges for Monthly billing for power supply to Arunachal Pradesh from Assam:

As decided in the 36th Commercial Sub-Committee meeting of NERPC, under the agenda (3.2), NERPC Secretariat would issue a statement in respect of the subject mentioned, w.e.f. August 2018. The statement of transmission charges upto FY 2021-22 has been issued. The monthly interstate meter readings furnished by APDCL for the period FY 2022-23 is provided below

| FY 2022-23 | | | | | |
|------------|-------------------------------|-------------------------------|------------------|---|-------------------------------|
| Month | Export (MWh) from Assam to AP | Import (MWh) to Assam from AP | Net Energy (MWh) | Transmission Rate (in Rs./KWh) approved by AERC | Transmission Charges (in INR) |
| Apr-22 | 4794.16 | 0 | 4794.16 | 0.432 | 2071077.12 |
| May-22 | 5774.9 | 0 | 5774.9 | 0.432 | 2494756.8 |
| Jun-22 | 6536.57 | 0 | 6536.57 | 0.432 | 2823798.24 |
| Jul-22 | 7478.22 | 1.1 | 7477.12 | 0.432 | 3230115.84 |
| Aug-22 | 8080.61 | 0.05 | 8080.56 | 0.432 | 3490801.92 |
| Sep-22 | 8587.915 | 0 | 8587.915 | 0.432 | 3709979.28 |
| Oct-22 | 6947.59 | 0.05 | 6947.54 | 0.432 | 3001337.28 |
| Nov-22 | 6843.5 | 0 | 6843.5 | 0.432 | 2956392 |
| Dec-22 | 6257.185 | 0 | 6257.185 | 0.432 | 2703103.92 |
| Jan-23 | 6479.2 | 0 | 6479.2 | 0.432 | 2799014.4 |
| Feb-23 | 5390.965 | 0.1 | 5390.865 | 0.432 | 2328853.68 |
| Mar-23 | 6452.42 | 0 | 6452.42 | 0.432 | 2787445.44 |
| TOTAL | | | 79621.935 | | 34396675.92 |

The above reading is to be ratified by Ar. Pradesh so that NERPC can issue the statement. APDCL had already furnished the applicable AERC Transmission rates as Rs. 0.432/kWh for FY 2022-23.

Sub-committee may please deliberate.

3.2 Discontinuation of the raising of monthly bilateral charge bills to APDCL on account of completion of the AEGCL's scope of work related to "LILO of one CKT of 132 KV Biswanath Chariali (PG) to Itanagar at Gohpur (AEGCL):

This is regarding the asset "LILO of one CKT of 132 KV Biswanath Chariali (PG) to Itanagar at Gohpur (AEGCL)" which is being developed as per the Transmission Service Agreement (TSA) signed between NER II Transmission Ltd. and AEGCL.

As per the minutes of the meeting taken by Chief Engineer (PSPM), CEA on 10-08-2020 , AEGCL was to construct 2 nos. of 132KV bays at Gohpur 132KV S/S so as to match with the LILO of one circuit of 132 KV Biswanath Chariali (PG) to Itanagar 132KV D/C(Zebra) line at Gohpur (AEGCL) of NER II Transmission Ltd. (NTL).

Due to delay in completion of the AEGCL's part of work as mentioned above, the entire cost was loaded and charged as bilateral bill to APDCL by CTU Ltd. which was subsequently being recovered from the wheeling charge of AEGCL. However, it is to inform you that AEGCL has already completed the above work on 25-08-2022 and test charged on 10-11-2022 and 11-11-2022 respectively.

Now, the Forum may please discuss the above issue and take necessary steps to discontinue the raising of the bilateral bill to APDCL along with necessary adjustments of bills already raised till date after the completion of AEGCL's work, i.e., 11-11-2022. Relevant documents are attached as **Annexure 3.2**.

Sub-committee may please deliberate.

4. AGENDA ITEMS FROM TSECL

4.1 Outstanding Dues of Mizoram

As on date, an amount of Rs 9.78 crores is outstanding excluding the surcharge 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.

Sub-committee may please deliberate.

4.2 Outstanding Dues of Manipur

Outstanding with Manipur is only Rs7.96 lacks as on date excluding surcharge. It is requested kindly to make payment immediately.

Sub-committee may please deliberate.

4.3 Merchant Power of OTPC Palatana -reg.

Tripura is managing increased power demand of the State including Cross Border commitment through IEX Purchase during any kind of outage of ISGS as well as State Generation. To mitigate the power management criticality considering further increase of State demand in near future, Tripura has already communicated to OTPC for allocation of their 40 MW Merchant power. Hence NERPC is requested kindly to look into the matter so that OTPC may expedite for allocation of their merchant power to Tripura as per CERC tariff. TSECL requested OTPC for consideration of allocation of merchant power. In the commercial forum the matter was discussed so many times. The matter was also discussed in the last NERPC/TCC meeting also. Hence NERPC is requested kindly to look into the matter so that TSECL can enjoy the merchant power on long term basis as an early date.

Sub-committee may please deliberate.

4.4 Power crisis due to huge demand -reg.

NE region presently facing huge demand due to hot weather. Power is not available in the DAM as well as RTM market also. In this critical period BGTPP, OTPC, Monarchak generates less due to Coal and Gas shortage. NERPC/NERLDC has taken the BGTPP matter seriously. Forum is requested kindly to take up the matter with ONGC for less gas supply.

Sub-committee may please deliberate.

5. AGENDA ITEMS FROM NERLDC

5.1 Deviation Pool Account outstanding:

Status of Deviation charges outstanding as on 04/09/2023 is attached (**Annexure 5.1(a)**).

Manipur is the major defaulter.

Manipur – Net O/s Payable to Pool is ₹ 6.40 Crores

[Deviation Principal, ₹ 6.31 Crores + Deviation Interest, ₹ 0.09 Crores].

Clearance of O/s payable had been regularly followed up. [Recent letter is attached for reference (**Annexure 5.1(b)**)]

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 interest. *Sub-committee may please deliberate.*

5.2 Reactive charges outstanding:

Status of Reactive charges outstanding as on 04/09/2023 is attached (**Annexure-5.2**).

O/s Payable to Reactive Pool by Manipur - ₹ 8.97 Lakhs. (Principal, ₹ 8.53 Lakhs + Interest, ₹ 0.44 Lakhs)

O/s Payable to Reactive Pool by Mizoram - ₹ 11.15 Lakhs. (Principal, ₹ 10.23 Lakhs + Interest, ₹ 0.92 Lakhs)

Manipur & Mizoram are required to take necessary action.

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

Sub-committee may please deliberate.

5.3 Signing of DSM & Reactive Reconciliation Statements:

Status of signing of Reconciliation statements of DSM & Reactive as on 04/09/2023 is attached in **Annexure-5.3**.

Pending DSM reconciliation with – NHPC (2 Quarters) & OTPC (2 Quarters).

Pending Reactive reconciliation with – Manipur (5 Quarters) & Mizoram (1 Quarter).

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

Sub-committee may please deliberate.

5.4 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 (Refer **Annexure-5.4**):-

| Constituents | LC to be opened in FY 23-24 ₹ (in Lakhs) | Present Status |
|--------------|--|--|
| Ar. Pradesh | 68.78 | LC of ₹ 242.48 Lakhs, valid till 31/03/2024. |
| Assam | 100.71 | LC of ₹ 230.68 Lakhs, valid till 01/12/2023. |

| | | |
|-----------|-------|--|
| Manipur | 19.29 | LC Not opened |
| Meghalaya | 14.61 | Sufficient amount retained in Pool |
| Mizoram | 1.76 | LC of ₹ 11.46 Lakhs, valid till 14/02/2024. |
| Nagaland | 2.78 | LC of ₹ 74.18 Lakhs, valid till 20/03/2024. |
| Tripura | 30.54 | LC of ₹ 144.00 Lakhs, valid till 28/03/2024. |

Necessary action may be taken by Manipur regarding the opening of LC to adhere to CERC stipulation.

Sub-committee may please deliberate.

5.5 Signing of RLDC Fee and Charges Reconciliation Statements:

NERLDC Fees and Charges Reconciliation Statements for Q-I of FY 2023-24 were issued on 27/07/2023. We have received Signed/Reconciled copy from few users. All remaining users are requested to send the signed Reconciliation Statements at the earliest.

Status of signing of Reconciliation statements is attached in **Annexure-5.5**.

Sub-committee may please deliberate.

5.6 NERLDC Fees & Charges Outstanding:

NERLDC is raising Fees & Charges bill on monthly basis on the first working day of every month in terms of CERC (Fees & Charges of RLDC and other related matters) Regulation, 2019. We are receiving payment against NERLDC Fees & Charges billings from almost all the users on time. Latest status of Fees & Charges outstanding is mentioned below: -

| Sl No | Name of User | Description | Amount (₹) |
|-------|----------------------|--|--------------|
| 1 | MSPDCL, Manipur | Fees & Charges Monthly Bill & Surcharge Bill | 26,30,640.00 |
| 2 | P & E Dept., MIZORAM | Fees & Charges Monthly Bill & Surcharge Bill | 13,61,606.00 |

MSPDCL, Manipur and P&E Dept, Mizoram are requested to clear the outstanding.

Sub-committee may please deliberate.

6. AGENDA ITEMS FROM NERTS

6.1 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 **31.08.2023** is detailed below:-

| State/DIC | Outstanding dues > 45 days | Total Outstanding dues | Remarks |
|-------------------|--------------------------------------|-------------------------------|--|
| Arunachal Pradesh | -0.03 | -0.03 | <i>Only small amount of non-Poc due.</i> |
| APDCL, Assam | 0.00 | 76.86 | <i>Approx. 1.5 months receivables</i> |
| MSPDCL, Manipur | 6.73 | 16.57 | <i>Approx. 03 months receivables</i> |
| MSPCL, Manipur | 3.50 | 3.61 | <i>Approx. 05 months receivables and pending arrear bills</i> |
| MeECL, Meghalaya | 2.59 | 14.33 | <i>Approx. 02 months receivables</i> |
| Mizoram | 7.82 | 14.70 | <i>Approx. 03 months receivables & pending non-Poc dues.</i> |
| Nagaland | 0.00 | 4.87 | <i>Approx. 0.5 months receivables</i> |
| TSECL, Tripura | 0.00 | 15.52 | <i>Approx. 1.5 months receivables</i> |

Concerned DICs with >45 days outstanding dues, viz. 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.

Sub-committee may please deliberate.

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 2022-23.

The status of LCs (***as per above new requirement***) of NER DICs as on **31.07.2023** 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 (Enhancement of Rs. 91.85 Lakhs required) | - |
| MSPCL | - | Not Available |
| MeECL | Available | Available |
| Mizoram | Already Expired on 07.07.2023 | Already Expired on 11.07.2023 |
| Nagaland | Available | Available |
| TSECL | Available (enhancement of Rs. 11.31 Lakhs required) | Available |

Mizoram has been requested to reopen the LCs and Manipur & Tripura may be impressed upon to enhance their LCs to the requisite amounts.

Sub-committee may please deliberate.

6.3 Early Commissioning of LILO of one circuit of Pare HEP — North Lakhimpur (AEGCL) 132 kV D/C line (With ACSR Zebra Conductor) at Nirjuli (POWERGRID) substation under NERSS-IX:

The SCOD of the said transmission system was June 2023. However, during 199th OCC meeting M/s Sterlite (MUML) has raised the agenda for preponement of commissioning schedule of the above line from earlier SCOD of June'23 to March'2023, anticipating the possible difficulty in getting shut down of Ranganadi- Naharlagun/ Nirjuli line for completion (Agenda point C.3). Forum has also agreed to the agenda point raised by M/s Sterlite (M/s MUML).

Based on above, POWERGRID also put their best effort to complete the associated bays within March'23 to match the early commissioning of associated Transmission line. Factually POWERGRID has commissioned the 132kV Pare Bay and 132kV North Lakhimpur Bay on 30.03.2023.

In light of the above it is proposed that, forum may kindly ratify the DOCO of the associated bays since date of commissioning i.e. on 30.03.2023.

Sub-committee may please deliberate.

6.4 Recovery of cost of VSAT scheme in Roing, Tezu, Namsai and Shillong:

It was approved in 20th NERPC meeting that the project implementation cost for VSAT scheme for Telemetry data communication purpose at NERLDC, Shillong in Roing, Tezu, Namsai and Shillong station would be recovered one time from NER States. However, the modalities for recovery process and sharing with each constituent State of NER has not yet been decided. It may also be noted that the system has already been commissioned on 00:00hrs dtd 09.04.2021 and is functional. Total project cost for the said scheme as per LOA is INR 68,15,021(Excl. of GST). This agenda point was also deliberated in 25th NeTEST meeting held on 25.05.23 at Shillong and referred to the CCM by the forum.

Sub-committee may please deliberate

6.5 Preventive shifting of towers in pile foundation due to massive & wayward erosion of river in Northeastern Region:

Recently, in Northeastern Region, it is observed that some of river stretches suffering unpredictable and wayward erosion for which every year some of towers of different transmission lines become endangered and prone to collapse. It is to be mentioned that such situation is prevailing in Dikrong river for which every alternate year tower collapse was encountered for 400kV Ranganadi – Balipara

D/C Line till 2015. To arrive in permanent solution, the issue was deliberated in 111th OCC Meeting for preventive shifting of 10 nos. of tower from open cast foundation to pile foundation, which was subsequently, approved in 15th NERPC Meeting with financial implication of Rs. 22.00 Crores on POC Mechanism. Accordingly, preventive shifting to pile foundation was done and issue of tower collapse could be resolved permanently. The MOM of 111th OCCM and 15th NERPC is attached in **Annexure – 6.5(a) & (b)** respectively for ready reference. In accordance to above, POWERGRID, NERTS assessed vulnerability of some more towers in different river stretches of the Region detailed below where erosion is unpredictable and similar action is required for stable operation of Transmission Lines. The detailed photographs and brief are attached in **Annexure – 6.5(c)**.

| SN | LINE | RIVER | AREA | TOWER NO. |
|----|--|---------------|------------------------------|---------------------|
| 1 | 132 kV S/C Salakati - Gelephu TL. | Deosiri | Shantipur, Chirang, Assam | 123 & 121 |
| 2 | 132 kV S/C Roing - Pashighat TL | Siang | Arunachal Pradesh | 153, 154, 155 & 156 |
| 3 | 220 kV S/C Misa - Kopili TL | Kopili | Kopili, Dima-Hassao, Assam | 002 |
| 4 | 400 kV D/C Balipara - Bongaigaon ckt 1&2 TL. | Nonoi | Tangla, Udalguri, Assam | 305 |
| 5 | 400 kV D/C Balipara - Bongaigaon ckt 1&2 TL. | Mara pagladia | Barama, Baksa, Assam | 458 & 459 |
| 6 | 400 kV D/C Binaguri - Bongaigaon TL. | Anthihar a | Gorufella, Kokrajhar, Assam | 90 |
| 7 | 400 kV D/C BNC-Ranganadi TL. | Chatrang | Gohpur, Assam | 174 |
| 8 | 400 kV D/C Misa - Mariani TL | Manjha | Manjha, Karbi-Anglong, Assam | 822 & 844 |
| 9 | 400kV D/C Alipurduar - Jigmilling Line | Hell | Dotma, Kokrajhar, Assam | 260 |

| | | | | |
|-----------------------|--|---------|-----------------------------------|---------|
| 10 | 400 kV D/C Balipara - Bongaigaon ckt 3&4 TL. | Belsiri | Upper Benchimari, Sonitpur, Assam | 126 |
| 11 | 800KV HVDC BNC-Agra Line | Pasnoi | Gejenga-guri, Sonitpur, Assam | 276 |
| TOTAL NO. OF TOWERS = | | | | 17 NOS. |

The tentative rate for different voltage class of tower will be approximately as below:

| S N | Voltage | Cost of Pile Shifting (In Rs. Lakhs) | | | Total Cost (In Rs. Lakhs) | Remarks, If any |
|--|-------------|---|---------------|---------------|------------------------------|--------------------|
| | | Foundation | Tower Cost | Executi on | | |
| 1 | 132 KV HVAC | 200 | 11.08 | 21.25 | 232.33 | |
| 2 | 220 KV HVAC | 250 | 16.68 | 26.28 | 293.36 | |
| 3 | 400 KV HVAC | 300 | 40.63 | 47.99 | 388.62 | |
| 4 | 800 KV HVDC | 325 | 43.00 | 50.00 | 418.00 | |
| NOTE: Execution cost inclusive of Survey, Soil investigation, Dismantling and Erection, De-stringing, and re-stringing, ERS shifting etc. etc. | | | | | | |

Accordingly, approximate expenditure is calculated as below:

| SN | VOLTAGE CLASS | NO. OF TOWERS (In Nos.) | RATE (In Rs. Lakh) | AMOUNT (In Rs. Lakh) | REMARKS |
|--------------------------------|---------------|----------------------------|-----------------------|----------------------------------|---------|
| 1 | 132 KV HVAC | 6 | 232.33 | 1393.98 | |
| 2 | 220 KV HVAC | 1 | 293.36 | 293.36 | |
| 3 | 400 KV HVAC | 9 | 388.62 | 3497.58 | |
| 4 | 800 KV HVDC | 1 | 418.00 | 418.00 | |
| TOTAL = | | | | 5602.92 Lakhs (Say 57 Crores) | |
| RUPEES FIFTY-SEVEN CRORES ONLY | | | | | |

Matter was deliberated in 205th OCC meeting (copy of MOM attached) wherein forum agreed in-principle for approval of the proposal of POWERGRID and referred to upcoming CCM meeting for further needful. However, the forum requested the state utilities to do necessary studies and provide comments and feedback to NERPC within 15/09/2023, if any.

Sub-committee may please deliberate.

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 11-09-2023) are as under:

(Amount in Rs Crores)

| Sl. No. | Beneficiary | Outstanding Dues (>45 Days) | Total Outstanding |
|----------------|--------------------|---------------------------------------|--------------------------|
| 1 | Manipur | 7.60 | 25.93 |
| 2. | Mizoram | 28.46 | 98.25 |
| | Total | 36.06 | 124.18 |

The forum is requested to impress upon Manipur and Mizoram to clear their current dues.

Sub-committee may please deliberate.

8. AGENDA ITEMS FROM NEEPCO

8.1 *Renovation and Modernization 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 tariffs to the beneficiaries. However, the performance of the station started to get impaired due to it nearing the completion of its useful life of 25 years.

As the station is now in the fag end of its useful life of 25 years as defined by the Tariff Regulations, 2019 (Regulations 17 and 27 - “Special provisions for tariff for Thermal Generation Station which have completed 25 years of operation from Date of Commercial Operation” and “Additional Capitalization on account of Renovation and Modernization” respectively), it is now necessary to undertake Renovation & Modernization activities for its life extension.

A Detailed Project Report has been prepared for the Renovation & Modernization works keeping in mind the life extension of the plant, besides the normal O&M

activities necessary for extension of its useful life which is due to expire in March 2024. The proposed life extension is for 20 years. Salient aspects of the proposal are as below:

1. Estimated Cost: Rs. 883.12 crores (inclusive of IDC 164.84 crs) at Dec 2022 price levels, including depreciated values of the existing assets.
2. Tariff: The First-Year (i.e 2024-25) Capacity Charge on completion of the Renovation & Modernization works based on the estimated cost as mentioned above has been worked out at Rs. 1.13 per unit with a levelled Capacity Charge over the expected 20 years extended useful life of the plant of Rs. 1.59 per unit.
3. Present Energy charge considering the average fuel cost of the FY 2023-24 is Rs. 4.735 per unit.

Completion of Renovation and Modernization of the 291 MW Assam Gas Based Power Station (AGBPS), i.e. 33.5 MW X 6 Gas Turbine units + 30 MW X 3 Steam turbine units are scheduled for March, 2031 in a phased manner.

The proposal is therefore, placed before this esteemed house with a request for consent in terms of Regulations 17 (1) and 27 (1) of the Tariff Regulations, 2019 for undertaking the Renovation & Modernization works of the Power Station as detailed above.

Application for determination of tariff shall be filed before the Hon'ble Commission on completion of the Renovation works as per the Regulation 27 (4) of the Central Electricity Regulatory Commission (Terms and condition of Tariff) Regulations, 2019. However, till determination of tariff by CERC, it is proposed that a provisional Capacity Charge rate of Rs. 1.59/unit and Energy Charge Rate (ECR) based on actual monthly cost of fuel be adopted by the House subject to suitable adjustment on determination of final tariff by CERC.

Therefore, the proposal is placed for deliberation and approval in the esteemed house under the aegis and guidance of NERPC.

Sub-committee may please deliberate.

| |
|--|
| ANY OTHER ITEMS |
| DATE AND VENUE OF NEXT COMMERCIAL COMMITTEE MEETING |

The next Commercial Coordination Sub-Committee meeting will be held in the month of December 2023/January 2024. The date and venue will be intimated separately.

**ASSAM ELECTRICITY GRID CORPORATION LIMITED**

OFFICE OF THE MANAGING DIRECTOR

Regd. Office: (FIRST FLOOR), BIJULEE BHAWAN, PALTANBAZAR, GUWAHATI - 781001

CIN: U40101AS2003SGC007238GSTIN: 18AAFCA4973J9Z3

PHONE: 0361-2739520 Web: www.aegcl.co.in

No. AEGCL/MD/Tech-888/NERPC/2020/Part-II/5

Dated: 12.09.2023

To,

The Member Secretary,
NERPC, Shillong,
Lawpalang, 793006

Sub: Agenda item from AEGCL for 49th Commercial Coordinate Meeting.

Dear Sir,

With reference to the subject cited above, please find enclosed herewith an agenda item from AEGCL for 49th Commercial Coordinate Meeting scheduled to be held on 21st September, 2023.

This is for your kind information and necessary action.

Thanking you,

Yours Faithfully,

Chief General Manager (PP&D),
AEGCL, Bijulee Bhawan

Memo No: AEGCL/MD/Tech-888/NERPC/2020/Part-II/5(a)

Date : 12.09.2023

Copy to:

1. P.S. to Managing Director, AEGCL, Bijulee Bhawan, Guwahati-01, for appraisal to MD.

Chief General Manager (PP&D),
AEGCL, Bijulee Bhawan



ASSAM ELECTRICITY GRID CORPORATION LIMITED

OFFICE OF THE MANAGING DIRECTOR

Regd. Office:(FIRST FLOOR), BIJULEE BHAWAN, PALTANBAZAR; GUWAHATI - 781001

CIN: U40101AS2003SGC007238GSTIN: 18AAFCA4973J9Z3

PHONE: 0361-2739520 Web: www.aegcl.co.in

Agenda


Discontinuation of the raising of monthly bilateral charge bills to APDCL on account of completion of the AEGCL's scope of work related to "LILO of one CKT of 132 KV Biswanath Chariali (PG) to Itanagar at Gohpur (AEGCL)".

This is regarding the asset "**LILO of one CKT of 132 KV Biswanath Chariali (PG) to Itanagar at Gohpur (AEGCL)**" which is being developed as per the Transmission Service Agreement (TSA) signed between NER II Transmission Ltd. and AEGCL.

As per the minutes of the meeting taken by Chief Engineer (PSPM), CEA on 10-08-2020 (**Annexure-I**), AEGCL was to construct **2 nos. of 132KV bays at Gohpur 132KV S/S** so as to match with the **LILO of one circuit of 132 KV Biswanath Chariali (PG) to Itanagar 132KV D/C(Zebra) line at Gohpur (AEGCL) of NER II Transmission Ltd. (NTL)**.

Due to delay in completion of the AEGCL's part of work as mentioned above, the entire cost was loaded and charged as bilateral bill to APDCL by CTU Ltd. which was subsequently being recovered from the wheeling charge of AEGCL. However, it is to inform you that AEGCL has already completed the above work on **25-08-2022** and test charged on **10-11-2022 and 11-11-2022** respectively. A copy of the letter has been attached herewith as '**Annexure-II**' for your ready reference.

Now, the Forum may please discuss the above issue and take necessary steps to discontinue the raising of the bilateral bill to APDCL along with necessary adjustments of bills already raised till date after the completion of AEGCL's work, i.e., **11-11-2022**.


R. Chelleng
CGM (PP & D)
O/o the MD, AEGCL



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली परियोजना प्रबोधन प्रभाग
Power System Project Monitoring Division

सेवा में/ To,

(संलग्न सूची के अनुसार)

विषय/Subject: Minutes of Meeting taken by Chief Engineer (PSPM), CEA on 10.08.2020 through video conferencing to discuss construction of inter-connecting elements / bays of AEGCL for commissioning of transmission scheme "Transmission System for NER System Strengthening Scheme-II (Part-B) and V" being implement by NER II Transmission Limited (NTL) under TBCB route - Regarding.

महोदय/Sir,

Minutes of Meeting taken by Chief Engineer (PSPM), CEA on 10.08.2020 through video conferencing to discuss construction of inter-connecting elements / bays of AEGCL for commissioning of transmission scheme "Transmission System for NER System Strengthening Scheme-II (Part-B) and V" being implement by NER II Transmission Limited (NTL) under TBCB route is enclosed at the Annexure.

भवदीय,

(U.M.Rao Bhogi)

Director

Phone NO. 011-26732332

Encl: as above.

प्रति सूचनार्थ/आवश्यक कार्रवाई हेतु:

1. Director (Trans), Ministry of Power, Shram Shakti Bhawan, New Delhi - 110001
2. PS to Member(PS), CEA

Signature Not Verified

Digitally signed by U.M.RAO

BHOGI

Date: 2020.08.20 17:06:19 IST

Annexure

Minutes of Meeting taken by Chief Engineer (PSPM), CEA on 10.08.2020 through video conferencing to discuss construction of inter-connecting elements / bays of AEGCL for commissioning of transmission scheme "Transmission System for NER System Strengthening Scheme-II (Part-B) and V" being implement by NER II Transmission Limited (NTL) under TBCB route.

1. List of Participants is enclosed as Annexure-I
2. Chief Engineer (PSPM), welcomed all the participants and stated that COVID-19/ lockdown has affected progress of transmission projects badly. Therefore, all transmission utilities have to put additional efforts to meet the annual targets for 2020-21.
3. Representative of NTL informed that in-spite of all challenges presented by COVID-19, monsoon and difficult North-Eastern geographical terrain, NTL is in advance stage of execution of all elements. For overall system utilization and power evacuation, we need readiness of upstream & downstream elements matching our completion schedule. The status of element related to AEGCL is given below:

LILO of one circuit of Biswanath Chariyalli (PG)) – Itanagar 132kV D/C (Zebra) line at Gohpur (AEGCL)

| | |
|----------------------|-------------|
| Length | : 16.97 ckm |
| Locations | : 30 nos. |
| Foundation completed | : 28 nos. |
| Tower erected | : 13 nos |
| Stringing completed | : 0 ckm |
| Anticipated COD | : Dec'20 |

4. Chief Engineer (PSPM) enquired about the progress of Gohpur 132kV Bays from AEGCL. Representative of AEGCL informed that they have already requested Govt. of Assam to release the amount towards financing the bay work but due to certain exigencies, State Govt. has curtailed the annual budgetary support to AEGCL. Therefore, AEGCL vide their letter dated 11-03-2020, had informed NTL that due to some financial issues there is a delay in execution of construction work pertaining to Gohpur Bays. AEGCL requested NTL to take up the construction of bay work and the amount will be reimbursed by AEGCL to NTL after completion of work. As this arrangement will help in expediting the commissioning of the project.
5. Representative of NTL stated that they never agreed for construction of above bays and reiterated that they can not do the construction of the bays. NTL also mentioned about the Minutes of Meeting held on 1st Feb 2020 at Guwahati under the chairmanship of Additional Secretary, Ministry of Power, wherein AEGCL was requested to share the LILO termination points at Gohpur Substation, so that NTL can complete their scope within stipulated time frame.

List of Participants

CEA

1. SHRI V. K. SINGH
2. SHRI U.M. RAO BHOGI
3. SHRI R.K. MEENA
4. SHRI RAJESH
5. SHRI YADAV MANOJKUMAR

CHIEF ENGINEER (PSPM)
DIRECTOR (PSPM)
DEPUTY DIRECTOR (PSPM)
ASSISTANT DIRECTOR (PSPM)
ASSISTANT DIRECTOR (PSPM)

AEGCL

1. G. K. BHUYAN
2. A. J. CHOUDHURY

GM (P&E)
AGM (HQ)

STERLITE POWER

1. T.A.N. REDDY
2. ARUN SHARMA
3. RAJESH SURI
4. ANKIT BHARDWAJ
5. ANKUR VASHISHTHA
6. SANDIP MAITY
7. B.K. SINGH
8. ROHIT GERA

CHIEF - BUSINESS & REGULATORY
CHIEF OPERATING OFFICER
SENIOR VP - DESIGN & ENGINEERING
PROJECT DIRECTOR
PROJECT DIRECTOR
AVP - DESIGN & ENGINEERING
PROJECT DIRECTOR
MANAGER


ASSAM ELECTRICITY GRID CORPORATION LIMITED

 Regd. Office: 1ST FLOOR, BIJULEE BHAWAN, PALTAN BAZAR, GUWAHATI - 781001

CIN: U40101AS2003SGC007238 GSTIN: 18AAFCA4973J9Z3

Phone: 0361 - 2739520 / Fax: 0361 - 2739513 Web: www.aegcl.co.in


 आजादी का
अमृत महोत्सव

NO: AEGCL/AGM/TT/NL/ T-18/2023/.....1764.....Date.....14/03/2023

To,

 ✓ The Chief General Manager (PP&D)
Office of the Managing Director, AEGCL,
Bijulee Bhawan, Paltan Bazar,
Guwahati-1.

 DM/AM
27/3

 B ARM vi
27/3

 Sub: - Clarification regarding completion/Test charging/ Commissioning of the newly constructed 132KV
LILO bays at 132 KV Gohpur GSS.
Ref:- Mail received from CGM(PP&D), AEGCL, Dated:- 27/02/2023

Sir,

With reference to the subject cited above, I have the honour to inform you that the works related to erection and testing of the bay equipments was completed on the dates as given in the completion certificate i.e. 25.08.2022. However the bays were test charged on 10.11.2022 and 11.11.2022 only for the following reason:-

i. Delay in installation of energy meters in the CRP by PGCIL. Since both the LILO lines are ISTS lines the energy meter installation is done by PGCIL and the energy meter installation was completed only on 15.10.2022

ii. Delay in SAS integration works. The SAS integration works of the LILO bays started from 01.11.2022 and was completed on 26.11.2022. The MOM has been enclosed for your reference. Because of these reasons, though the erection and testing of the bays was completed on 25.08.2022, the bays were test charged only on 10.11.2022 and 11.11.2022.

This is for favour of your kind information and necessary action.

Enclosed: - As above

Yours faithfully

 (Rajib Kr. Handique)
Asstt. General Manager.
T&T Division, AEGCL
North Lakhimpur

Memo. NO: AEGCL/AGM/TT/NL/ T-18/2023/.....Date.....

Copy to: -

1. The Dy. General Manager, T&T Circle, AEGCL, North Lakhimpur. -- for favour of his kind information.
2. Relevant file

 (Rajib Kr. Handique)
Asstt. General Manager,
T&T Division, AEGCL,
North Lakhimpur.

 O/o the Asstt. General Manager, T & T Division, Nalkata, Near Nlp Bypass Road, North Lakhimpur- 787031.
Email: ttdivnlp@gmail.com/ agm.northlakhimpur@aegcl.co.in Ph- 9707064763



Minutes of Meeting

| | | | |
|--|--|--|--|
| <p>Nolumbo</p> <p>Mr. Rohit Kumar</p> <p>Date: 26-11-2022</p> | <p>Members Present</p> <p>M/s AEGCL</p> <p>Mr. Binin Saikla (HL)</p> <p>Mr. Nayan Mech (AM)</p> <p>Mr. Sudip Borik (AM)</p> | <p>M/s Contractor Jayanta Khaund</p> <p>M/S Iyotish Sharma</p> | <p>Project: SCADA INTEGRATION OF CRP PANEL - 1 & CRP PANEL - 2</p> <p>Location: Gohpur, Assam</p> |
|--|--|--|--|

Project Code: NICPL-CRP-20-223,224
 PO NO: IK/NIP/AEGCL/GOHPUR/L-07

- (a) M/s NTPL representative arrived on 132kV S/S Gohpur Assam site Dt. 01NOV.2022
- (b) The following activities were carried out on site:
 - 1.0 The SCADA graphics including Substation Overview (SID), Network overview, Events, CB events, Reports, Alarms, IP Addresses have been configured for 132kV Gohpur-CHIMPU and B-CHARIALI Panels.
 - 2.0 Integration of the CID files of BCU P3F30, Backup relay P3F30 and Micom P444 in WINCC through IEC Wizard in 132kV Gohpur-CHIMPU and B-CHARIALI Panels.
 - 3.0 Tagging and linking of all the LATCHING signals of BCU P3F30 Relay, Backup relay (P3F30) and Micom relay was completed.
 - 4.0 All Digital input & measurements, Digital output for 132kV Gohpur-CHIMPU and B-CHARIALI Panels were checked, corrected, integrated as per the site requirements and displayed on SCADA screen.
 - 5.0 Commands of ISO 89L, ISO 89 A, ISO 89LE were checked from the SCADA for 132kV Gohpur-CHIMPU and B-CHARIALI Panels.
 - 6.0 Command of Circuit Breaker was checked from SCADA for 132kV Gohpur-CHIMPU and B-CHARIALI Panels
 - 7.0 132kV Gohpur-CHIMPU and B-CHARIALI Panels are successfully mapping with the existing system as per AEGCL guidelines and found satisfactory.
 - 8.0 132kV Gohpur-CHIMPU and B-CHARIALI Panels are successfully charged. ✓
 - 9.0 Redundancy communication of relay's BCU P3F30, BACKUP P3F30 & MICOM P444 were successfully established in both the CHIMPU AND B-CHARIALI Panels.
 - 9.0 EASERGY STUDIO & EASERGY PRO software was successfully installed in AEGCL laptop.
 - 10.0 Communication status symbol of all the relays not as per existing system due to some differences in Schneider and Siemens relays. For the above mentioned reason there should not be any problem in relay operation and redundancy channel.

NOTE: -Relay's physical health node is not working with Siemens WinCC(V7.3) SCADA, due to this relay both port fail status is not updating on scada screen. It should be rectified as soon as possible
 (c) M/s NTPL representative left the site on 26/11/2022.

Note: -All above points have been checked by M/s AEGCL and found OK.

| | M/s NTPL | M/s AEGCL | M/s Contractor Jayanta Khaund |
|------------|--------------------|---|--|
| Signature: | <i>Rohit Kumar</i> | <i>Sudip Borik</i> AM, T&C, NLP <i>Nayan Mech</i> AM, T&C, NLP | <i>Binin Saikla</i> Binin no go, must be rectified by NTPL/Schneider within ten days time. <i>Iyotish Sharma</i> 26/11/22 |
| Name | Rohit Kumar | Sudip Borik, Nayan Mech | J. K. Sharma |

Binin Saikla
26/11/22
132KV Grid Sub Station
AEGCL, Gohpur



ASSAM ELECTRICITY GRID CORPORATION LIMITED

OFFICE OF THE MANAGING DIRECTOR

Regd. Office: (FIRST FLOOR), BIJULEE BHAWAN, PALTANBAZAR; GUWAHATI - 781001

CIN: U40101AS2003SGC007238GSTIN: 18AAFCA4973J9Z3

PHONE: 0361-2739520 Web: www.aegcl.co.in



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75
आजादी का
अमृत महोत्सव

No. AEGCL/HQ/ACCTTS/14-15/65/Part-1/15

Dated: 11-07-2023

To,

The CGM
Central Transmission Utility of India Ltd. (CTU)
Plot No.2, Sector-29, Gurgaon, Haryana-122001.

Sub: Intimation of completion of the AEGCL's scope of work related to **"LILO of one CKT of 132 KV Biswanath Chariali (PG) to Itanagar at Gohpur (AEGCL)"**.

Ref: AEGCL/AGM/TT/NL/T-18/2023/1764 Dated: 14-03-2023

Sir,

With reference to the subject cited above, it is to inform you that the monthly bilateral charge bills raised by CTU Ltd. to Assam Power Distribution Corporation Ltd.(APDCL) is being subsequently adjusted from the Wheeling charge bills of AEGCL due to non-completion of AEGCL's part of work related to **"LILO of one CKT of 132 KV Biswanath Chariali (PG) to Itanagar at Gohpur (AEGCL)"** as per the Transmission System Agreement between NER II Transmission Ltd. and AEGCL.

Now, as per the letter referred above, it is to inform you that AEGCL has already completed the work related to erection and testing of the bay equipments on **25-08-2022** and test charged on **10-11-2022** and **11-11-2022** respectively. A copy of the letter has been attached herewith for your ready reference. However, surprisingly CTU Ltd. has raised the bilateral bill after completion of the AEGCL's part of work.

You are therefore, requested to kindly discontinue the raising of monthly bilateral charge bills to APDCL from now onwards and make necessary adjustments of the bills already raised to APDCL for the period after completion of AEGCL's work, **i.e. 11-11-2022**.

You are also requested to kindly communicate the adjustments made in this regard to the undersigned as and when made.

Thanking you,

Yours faithfully,

CGM (F & A),

AEGCL, Bijulee Bhawan
Paltanbazar, Ghy-01

Memo No. : AEGCL/HQ/ACCTTS/14-15/65/Part-1/15(a) Dated : 11-07-2023

1. Member Secretary, NERPC, Jowai Road, Umpling, Shillong, Meghalaya-793006.
2. ED, North Eastern Regional Load Despatch Centre (NERLDC), Grid Controller of India Limited (GRID-INDIA), POWERGRID Complex, Dongteih, Lower Nongrah, Lapalang, Shillong-793006, Meghalaya.
3. ED, NERTS, POWERGRID Complex, Dongteih, Lower Nongrah, Lapalang, Shillong-793006, Meghalaya.
4. MD, AEGCL, Bijulee Bhawan, Paltanbazar. Guwahati.
5. CGM (PP&D), AEGCL, Bijulee Bhawan, Paltanbazar.
6. GM (M&PR), AEGCL, Bijulee Bhawan, Paltanbazar.
7. CGM, (Comm & EE), APDCL, Bijulee Bhawan, Paltanbazar.
8. Office Copy.

CGM (F & A),

AEGCL, Bijulee Bhawan
Paltanbazar, Ghy-01



ASSAM ELECTRICITY GRID CORPORATION LIMITED

OFFICE OF THE MANAGING DIRECTOR

Regd. Office: (FIRST FLOOR), BIJULEE BHAWAN, PALTANBAZAR; GUWAHATI - 781001

CIN: U40101AS2003SGC007238GSTIN: 18AAFCA4973J9Z3

PHONE: 0361-2739520 Web: www.aegcl.co.in

No. AEGCL/HQ/ACCTTS/14-15/65/Part-1/16

Dated: 28-08-2023

To,

The CGM
Central Transmission Utility of India Ltd. (CTU)
Plot No.2, Sector-29, Gurgaon, Haryana-122001.

Sub: Reminder regarding discontinuance of monthly bilateral charge bills raised to APDCL.

Ref: AEGCL' letter No. AEGCL/HQ/ACCTTS/14-15/65/Part-1/15 Dated: 11-07-2023.

Sir,

With reference to the subject cited above, it is for kind reminder that AEGCL has already intimated vide letter as referred above regarding the completion of the AEGCL's part of work related to "LIL0 of one CKT of 132 KV Biswanath Chariali (PG) to Itanagar at Gohpur (AEGCL)" as per the Transmission System Agreement between *NER II Transmission Ltd.* and *AEGCL*. The erection and testing of the bay equipments were completed on **25-08-2022** and test charged on **10-11-2022** and **11-11-2022** respectively.

However, it has been seen that the monthly bilateral charge bill is still being raised by CTU Ltd. to Assam Power Distribution Corporation Ltd. (APDCL) which are subsequently being adjusted from the Wheeling charge bills of AEGCL by APDCL, despite the fact that AEGCL's has already completed its part of work as agreed between.

You are therefore, requested once again to kindly discontinue the raising of monthly bilateral charge bills to APDCL immediately and make necessary adjustments of the bills already raised to APDCL for the period after completion of AEGCL's part of work, **i.e. 11-11-2022**.

You are also requested to kindly communicate the adjustments made in this regard to the undersigned as soon as possible.

Enclosed: Letter as referred above.

Thanking you,

Yours faithfully,

**CGM (F & A),
AEGCL, Bijulee Bhawan
Paltanbazar, Ghy-01**

Memo No. : AEGCL/HQ/ACCTTS/14-15/65/Part-1/16(a) Dated : 28-08-2023

1. Member Secretary, NERPC, Jowai Road, Umpling, Shillong, Meghalaya-793006.
2. ED, North Eastern Regional Load Despatch Centre (NERLDC), Grid Controller of India Limited (GRID-INDIA), POWERGRID Complex, Dongteih, Lower Nongrah, Lapalang, Shillong-793006, Meghalaya.
3. ED, NERTS, POWERGRID Complex, Dongteih, Lower Nongrah, Lapalang, Shillong-793006, Meghalaya.
4. MD, AEGCL, Bijulee Bhawan, Paltanbazar. Guwahati.
5. CGM (PP&D), AEGCL, Bijulee Bhawan, Paltanbazar.
6. GM (M&PR), AEGCL, Bijulee Bhawan, Paltanbazar.
7. CGM, (Comm & EE), APDCL, Bijulee Bhawan, Paltanbazar.
8. Office Copy.

**CGM (F & A),
AEGCL, Bijulee Bhawan
Paltanbazar, Ghy-01**

Annexure-5.1(a)

| पूर्वोत्तर क्षेत्र के वित्तीय वर्ष 2023-24 के विचलन बकाया की स्थिति (पिछले साल सहित) | | | | | | | |
|--|----------------------------------|---------------------------------------|----------------------------|----------------------------------|---------------------|--------------------------|-----------------------|
| Deviation Outstanding status of NER for FY-2023-24 (including Last years O/S) | | | | | | | |
| Bills till Week: | 14-08-2023 | 20-08-2023 | तक | आज की तारीख में/As on 04-09-2023 | | | Figs in Lacs |
| घटक /Constituents | Week no of NER-21 of FY 2023-24 | | | | टोटल / TOTAL | | O/S PAYABLE >13 WEEKS |
| | पूल के लिए देय / Payable to Pool | पूल से प्राप्य / Receivable from Pool | भुगतान किया / Paid to Pool | प्राप्त / Received from Pool | O/S Payable to Pool | O/S Receivable from Pool | |
| अरुणाचल प्रदेश / Ar. Pradesh | 24539.48 | 5895.47 | 24336.50 | 5895.47 | 202.97 | 0.00 | 0.00 |
| असम / Assam | 64986.97 | 2736.08 | 63230.11 | 2736.08 | 1756.86 | 0.00 | 0.00 |
| मणिपुर / Manipur | 5457.10 | 3346.89 | 4826.27 | 3346.89 | 630.83 | 0.00 | 529.48 |
| मेघालय / Meghalaya | 6508.16 | 11116.15 | 6508.16 | 11077.20 | 0.00 | 38.95 | 0.00 |
| मिज़ोरम / Mizoram | 6698.63 | 7654.51 | 6698.63 | 7579.52 | 0.00 | 74.99 | 0.00 |
| नगालैंड / Nagaland | 8437.60 | 4114.06 | 8437.60 | 4060.75 | 0.00 | 53.31 | 0.00 |
| त्रिपुरा / Tripura | 18801.03 | 12296.84 | 18679.97 | 12296.84 | 121.06 | 0.00 | 0.00 |
| लोकतक / Loktak | 95.18 | 1176.38 | 95.18 | 1175.51 | 0.00 | 0.87 | 0.00 |
| नीपको / NEEPCo | 3828.47 | 28487.36 | 3828.47 | 28384.54 | 0.00 | 102.82 | 0.00 |
| ई आर / ER | 356300.21 | 705380.21 | 356300.21 | 696976.28 | 0.00 | 8403.93 | 0.00 |
| ओटीपीसी / OTPC | 2925.67 | 6406.70 | 2925.67 | 6401.16 | 0.00 | 5.54 | 0.00 |
| एनटीपीसी / NTPC | 10913.90 | 4463.09 | 10855.35 | 4463.09 | 58.55 | 0.00 | 0.00 |
| एन आर / NR | 691093.01 | 357020.73 | 679199.61 | 357020.73 | 11893.40 | 0.00 | 0.00 |
| बी.एन.सी / BNC | 157.22 | 423.06 | 157.22 | 422.96 | 0.00 | 0.10 | 0.00 |
| टोटल / TOTAL | 1200742.62 | 1150517.53 | 1186078.95 | 1141837.02 | 14663.67 | 8680.51 | |

Annexure-5.2

| REACTIVE POOL ACCOUNT DETAILS : 2023-24 | | | | | | | | | | Upto Week - 21 | | As on 04.09.2023 | |
|---|-------------|---|--|---------------------------|------------------------|--------------------------------|------------------------------|---|--|---|--|---|--|
| All figures in ₹ | | | | | | | | | | | | | |
| Sl. No | States | Till Previous FY | | CURRENT FY | | | | Reactive Bill settlement status | | Interest Bill settlement status | | Reactive+Interest Settlement | |
| | | Outstanding Payable to Pool (upto FY 22-23) | Outstanding Receivable from Pool (upto FY 22-23) | Payable to pool (2023-24) | Paid to pool (2023-24) | Receivable from pool (2023-24) | Received from pool (2023-24) | Outstanding Payable to Pool (upto FY 23-24) | Outstanding Receivable from Pool (upto FY 23-24) | O/S Reactive interest Payable till Wk-50 FY 21-22 | O/S Reactive int. Receivable till Wk-50 FY 21-22 | Net Outstanding Payable to Pool (upto FY 23-24) | Net Outstanding Receivable from Pool (upto FY 23-24) |
| 0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 7 | 8 | 0 | 0 |
| 1 | Ar. Pradesh | 307993 | 0 | 618908 | 699705 | 629 | 629 | 227196 | 0 | 0 | 23988 | 203208 | 0 |
| 2 | Assam | 0 | 10766193 | 76023 | 76023 | 390848 | 5137797 | 0 | 6019243 | 0 | 385508 | 0 | 6404752 |
| 3 | Manipur | 578645 | 699 | 281152 | 6234 | 5536 | 6234 | 853563 | 0 | 43636 | 0 | 897198 | 0 |
| 4 | Meghalaya | 4134156 | 44395 | 3741 | 4137897 | 899563 | 619141 | 0 | 324818 | 0 | 0 | 0 | 324818 |
| 5 | Mizoram | 1947862 | 0 | 226660 | 1151808 | 0 | 0 | 1022714 | 0 | 91907 | 0 | 1114621 | 0 |
| 6 | Nagaland | 54619 | 246 | 96423 | 1685 | 1438 | 1685 | 149357 | 0 | 0 | 10222 | 139135 | 0 |
| 7 | Tripura | 0 | 683689 | 5896 | 5896 | 10789 | 313762 | 0 | 380716 | 0 | 9978 | 0 | 390694 |
| 8 | PSDF | 0 | -4471947 | 0 | 0 | 0 | 0 | 0 | -4471947 | 0 | -294154 | 0 | -4766101 |
| | TOTAL | 7023274 | 7023274 | 1308803 | 6079248 | 1308803 | 6079248 | 2252829 | 2252829 | 135543 | 135542 | 2354162 | 2354163 |

Annexure-5.3

| अपूर्ण डीएसएम सुलह की स्थिति / Pending DSM Reconciliation Status | | | | | | |
|---|--------------|-----------------------|---------------|-------------|-------|------------|
| SI No. | Constituents | Period Pending | Total Pending | Last Signed | | |
| | | | | Qr. No. | FY | Date |
| 1 | Ar. Pradesh | Up to date | 0 | 1 | 23-24 | 07-08-2023 |
| 2 | Assam | Up to date | 0 | 1 | 23-24 | 01-08-2023 |
| 3 | Manipur | Up to date | 0 | 1 | 23-24 | 24-08-2023 |
| 4 | Meghalaya | Up to date | 0 | 1 | 23-24 | 01-08-2023 |
| 5 | Mizoram | Up to date | 0 | 1 | 23-24 | 22-08-2023 |
| 6 | Nagaland | Up to date | 0 | 1 | 23-24 | 07-08-2023 |
| 7 | Tripura | Up to date | 0 | 1 | 23-24 | 03-08-2023 |
| 8 | BNC | Up to date | 0 | 1 | 23-24 | 09-08-2023 |
| 9 | Loktak | 22-23(Q4) & 23-24(Q1) | 2 | 3 | 22-23 | 06-02-2023 |
| 10 | NEEPCo | Up to date | 0 | 1 | 23-24 | 28-07-2023 |
| 11 | OTPC | 22-23(Q4) & 23-24(Q1) | 2 | 3 | 22-23 | 20-02-2023 |
| 12 | NTPC | Up to date | 0 | 1 | 23-24 | 19-07-2023 |
| | | | 4 | | | |

| अपूर्ण रिएक्टिव सुलह की स्थिति / Pending Reactive Reconciliation Status | | | | | | |
|--|--------------|--------------------------------|---------------|-------------|-------|------------|
| SI No. | Constituents | Period Pending | Total Pending | Last Signed | | |
| | | | | Qr. No. | FY | Date |
| 1 | Ar. Pradesh | Up to date | 0 | 1 | 23-24 | 07-08-2023 |
| 2 | Assam | Up to date | 0 | 1 | 23-24 | 01-08-2023 |
| 3 | Manipur | 22-23(Q1,Q2,Q3,Q4) & 23-24(Q1) | 5 | 4 | 21-22 | 02-06-2022 |
| 4 | Meghalaya | Up to date | 0 | 1 | 23-24 | 01-08-2023 |
| 5 | Mizoram | 23-24(Q1) | 1 | 4 | 22-23 | 08-05-2023 |
| 6 | Nagaland | Up to date | 0 | 1 | 23-24 | 07-08-2023 |
| 7 | Tripura | Up to date | 0 | 1 | 23-24 | 03-08-2023 |
| | | | 6 | | | |

Annexure-5.4

2023-24 : Letter of Credit (LC) Amount against DSM charges

Figures in ₹ (Rs.)

| Constituents | FY 22-23 DSM liability [DSM charges + Addl. DSM] | Average weekly DSM liability [A/52] | LC Amount [110% of B] | LC amt. (in Lakhs) |
|-------------------|--|-------------------------------------|-----------------------|--------------------|
| | A | B | C | D |
| ARUNACHAL PRADESH | 325151314 | 6252910 | 6878201 | 68.78 |
| ASSAM | 476070392 | 9155200 | 10070720 | 100.71 |
| MANIPUR | 91188573 | 1753626 | 1928989 | 19.29 |
| MEGHALAYA | 69053674 | 1327955 | 1460751 | 14.61 |
| MIZORAM | 8313272 | 159871 | 175858 | 1.76 |
| NAGALAND | 13123110 | 252368 | 277604 | 2.78 |
| TRIPURA | 144372915 | 2776402 | 3054042 | 30.54 |

Annexure-5.5

Reconciliation statement is presently issued quarterly covering periods (i) Apr to Jun, (ii) July to September, (iii) October to December and (iv) January to March. The reconciliation statement for the period Apr to Jun (Q1) of FY 2023-24 has been issued in Jul 2023.

The status of signing reconciliation statements by NER users is as below:

शुल्क और प्रभार सुलह की स्थिति /Status of Fees & Charges Reconciliation

| | सुलह की अवधि/Period of Reconciliation | टिप्पणियां/Re marks |
|------------------------------|---------------------------------------|---------------------|
| अरुणाचल प्रदेश / Ar. Pradesh | Apr-23 to Jun-23 | Signed |
| असम / Assam | Apr-23 to Jun-23 | |
| मणिपुर / Manipur | Apr-23 to Jun-23 | |
| मेघालय / Meghalaya | Apr-23 to Jun-23 | Signed |
| मिजोरम / Mizoram | Apr-23 to Jun-23 | |
| नगालैंड / Nagaland | Apr-23 to Jun-23 | |
| त्रिपुरा / Tripura | Apr-23 to Jun-23 | |
| उपक्षेत्र/NERTS(PG) | Apr-23 to Jun-23 | Signed |
| नीपको / NEEPCo | Apr-23 to Jun-23 | |
| लोकतक / Loktak | Apr-23 to Jun-23 | |
| एनईटीसीएल/NETCL | Apr-23 to Jun-23 | |
| ओटीपीसी/OTPC | Apr-23 to Jun-23 | |
| ईएनआइसीएल/ENICL | Apr-23 to Jun-23 | |
| एनटीपीसी /NTPC | Apr-23 to Jun-23 | |
| बी.एन.सी/BNC | Apr-23 to Jun-23 | Signed |
| केएमटीएल / KMTL | Apr-23 to Jun-23 | Signed |
| एनईआर- II टीएल/NER-II TL | Apr-23 to Jun-23 | |



ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड

(भारत सरकार का उद्यम)

GRID CONTROLLER OF INDIA LIMITED

(A Government of India Enterprise)

[formerly Power System Operation Corporation Limited (POSOCO)]

उत्तर पूर्वी क्षेत्रीय भार प्रेषण केंद्र / North Eastern Regional Load Despatch Centre

कार्यालय : पावर हाउस, एसएलडीसी के पास, डाक- काहिलीपारा, गुवाहाटी – 781019 (असम)

Office : Power House, Adjacent to SLDC, PO- Kahilipara, Guwahati-781019 (Assam)

CIN : U40105DL2009GOI188682, वेबसाइट/Website: www.nerldc.in, ई-मेल/E-mail: nerldcmo@grid-india.in

सन्दर्भ/Ref : उपक्षेत्रीय (NERLDC)/एम.ओ(MO)/DSM OS/23-24/ 208

दिनांक/Date: 01.09.2023

प्रति/(To),

एम.डी./MD, एम.एस.पी.डी.सी.एल./MSPDCL

तीसरी मंजिल/3rd Floor

नई निदेशालय भवन/New Directorate Building

दूसरी एम.आर. गेट के पास/Near second M.R. Gate

इम्फाल-दीमापुर सड़क/Imphal- Dimapur Road

इम्फाल/Imphal-795001

मणिपुर/Manipur

विषय/Sub: Outstanding Payable towards Deviation Charges

संदर्भ/Ref. :

1. NERLDC letter no. NERLDC/MO/DSM OS/22-23/360 dtd. 27.12.2022 (Copy attached)
2. NERLDC letter no. NERLDC/MO/DSM OS/22-23/407 dtd. 31.01.2023 (Copy attached)
3. NERLDC letter no. NERLDC/MO/DSM OS/22-23/454 dtd. 28.02.2023 (Copy attached)
4. NERLDC letter no. NERLDC/MO/DSM OS/22-23/488 dtd. 30.03.2023 (Copy attached)
5. NERLDC letter no. NERLDC/MO/DSM OS/23-24/40 dtd. 28.04.2023 (Copy attached)
6. NERLDC letter no. NERLDC/MO/DSM OS/23-24/95 dtd. 01.06.2023 (Copy attached)
7. NERLDC letter no. NERLDC/MO/DSM OS/23-24/145 dtd. 05.07.2023 (Copy attached)
8. NERLDC letter no. NERLDC/MO/DSM OS/23-24/171 dtd. 31.07.2023 (Copy attached)
9. Qtr-1 FY 2023-24 Manipur DSM Reconciliation (Copy attached)
10. Extract from 48th CCM MoM dtd. 04.05.2023 (Copy attached)

महोदय/Sir,

Weekly DSM statements had been issued by NERPC upto Week-21 (14-08-2023 to 20-08-2023) of FY 2023-24 and as on date, Manipur Outstanding Principal Payable to DSM Pool A/c is ₹ 6,30,82,693/- (Rupees Six Crore Thirty Lakh Eighty Two Thousand Six Hundred Ninety Three Only). DSM Interest statements had been issued by NERLDC upto 1st half of FY 2022-23. As on date, Manipur Outstanding Interest Payable to DSM Pool A/c is ₹ 8,61,831/- (Rupees Eight Lakh Sixty One Thousand Eight Hundred Thirty One Only). Hence, Net Outstanding Payable to DSM Pool A/c is ₹ 6,39,44,524/- (Rupees Six Crore Thirty Nine Lakh Forty Four Thousand Five Hundred Twenty Four Only).

The matter has been regularly followed-up with concerned officials of Manipur and also discussed in CCM forum. The copies of CCM extracts are enclosed for ready reference.

It is constrained to mention that in case of non-compliance of payment schedule prescribed vide clause 10.1 of CERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2022 by the Regional Entities, RLDC shall enforce denial of Open Access as per Cl. No. 25(A) of CERC (Open

पंजीकृत कार्यालय: बी-9, प्रथम तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली -110016
Registered Office : B-9, First Floor, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016
Website: www.grid-india.in

page 1/2

Access in Inter-State Transmission) Regulations, 2008 and also in line with CERC order dated 02.09.2015 in Petition No: 142/MP/2012 with I.A. 7/2013.

In case of Manipur, DSM Principal outstanding amount greater than 90 days (13 Weeks) is ₹ 5,29,47,597/- as on date and interest for the non-payment get accrued on daily basis. If the situation continues, this may compel NERLDC to enforce **denial of short-term open access at any instant**. In order to avert such situation, it is very urgent and essential for Manipur to immediately clear the outstanding DSM payment dues mentioned above.

Details on Outstanding payable towards Deviation Charges are briefed in the table below: (Fig. in ₹)

| DSM Principal: | | | | |
|--|-------------|----------------|--|---|
| Period | Payable (A) | Receivable (B) | Paid (C) | Net Outstanding Payable(+) /Receivable(-) [D=(A-B)-C] |
| Upto Qtr-1 FY 23-24 Reconciliation | 80485031 | 19598594 | | 60886437 |
| Wk-13(19-06-23 to 25-06-23) | 0 | 1248176 | | -1248176 |
| Wk-14(26-06-23 to 02-07-23) | 272618 | 0 | | 272618 |
| Wk-15(03-07-23 to 09-07-23) (R1) | 1372640 | 0 | | 1372640 |
| Wk-16(10-07-23 to 16-07-23) (R2) | 4545033 | 0 | | 4545033 |
| Wk-17(17-07-23 to 23-07-23) (R1) | 1406014 | 0 | | 1406014 |
| Wk-18(24-07-23 to 30-07-23) | 0 | 49848 | | -49848 |
| Wk-19(31-07-23 to 06-08-23) (R1) | 0 | 2449088 | | -2449088 |
| Wk-20(07-08-23 to 13-08-23) | | 1210899 | | -1210899 |
| Wk-21(14-08-23 to 20-08-23) | | 442038 | | -442038 |
| | | | Total Outstanding DSM Principal Payable | 63082693 |
| DSM Interest: | | | | |
| Period | Payable (A) | Receivable (B) | Paid (C) | Net Outstanding Payable(+) /Receivable(-) [D=(A-B)-C] |
| Wk-52 of FY 21-22 to Wk-25 of FY 22-23 | 861831 | 0 | | 861831 |
| | | | Total Outstanding DSM Interest Payable | 861831 |

In view of the above, NERLDC request you kindly to look into the matter on urgent basis and facilitate for immediate clearing of outstanding DSM payment dues.

धन्यवाद के सहित / Thanking you,

संलग्नक: उपरोक्त अनुसार / Encl: As Above

भवदीय/Yours faithfully,



(बिश्वाजीत साहु)/(Biswajit Sahu)

व: महाप्रबंधक (एम.ओ.)/Sr. General Manager(MO)

Copy To: 1. Member Secretary, NERPC, Shillong
2. Director(MO), Grid-India, Delhi
3. CGM(I/C), NERLDC, Shillong

| | | | | |
|----|---|--|---|---|
| 3. | 400/132/33 kV, 200 MVA, 3-Phase Transformer | 2 | 1 | 2 Nos units at Silchar SS. Spare shall be positioned at Silchar SS. |
| 4. | 400/220/33 kV, 315 MVA, 3-Phase Transformer | 1 no in Service & 2 nos. to be installed | 1 | 1 no. in service at Misa. 1 no each will be installed at Balipara & Bongaigaon |
| 5. | 400 kV 80 MVAR Reactor | 3 | 1 | 2 Nos units at Bongaigaon & 1 No unit at Balipara SS. Spare shall be positioned at Bongaigaon SS. |
| 6. | 400 kV 63 MVAR Reactor | 18 | 1 | 1 no. Spare already available |

Deliberation in the meeting

All constituents agreed to the above proposal and requested NERPC to put up the above proposal in the next TCC/RPC for approval.

Meanwhile, Assam requested NERPC to take the matter to RPC meeting for proving 100MVA 220/132kV Regional spare transformer at Dimpur SS for necessary installation at Samaguri SS on returnable basis.

The Sub-committee noted as above.

Action: NERPC

D.13 Preventive shifting of 400kV towers of 400kV Balipara-Ranganadi #1&2 line along the river Dikrong with pile foundation to avoid threat of collapse of line in every year:

During 110th OCC Meeting DGM (AM), NERTS informed that the river course of Dikrong River where the discharge of Ranganadi Generation is done changes frequently due to lower bed depth and higher scouring depth. As a result, every year one to two towers become endangered due to erosion of soil on account of wayward river course change. Action is required to be taken for preventive shifting of balance 10 nos. of 400kV towers along the river to pile and book the same under PoC Mechanism.

After detailed deliberation, the sub-committee agreed and asked POWERGRID to provide details for necessary approval of RPC. Accordingly the detail provided is given below:

1. Recently, the Tower Loc. No. 41 (DA+0) of the 400kV D/C Ranganadi - Balipara Transmission line became vulnerable due to erosion of river Dikrong as a result of sudden flash flood. Initially, prior to flash flood the tower was at a distance of about 250 Mtrs from Dikrong river bank until the first week of June'15. However, sudden flash flood in the river Dikrong started eroding the bank towards the tower location and by 10th of June'15, the river had eroded approx. 200 meters of the river bank near Loc. No. 41 reducing the clearance w.r.t. river to 50 meter approx. It was at this stage that temporary bank protection measures in the form of bamboo porcupine packed with sand filled gunny bags has been taken up by site. The river has been found to have changed its course substantially towards the tower Loc. No. 41 with siltation on the opposite bank. As a result of high current & rapid pace of erosion the clearance between the river & the tower has been reduced to 25 Mtr only as on date. Considering this criticality, one of the circuits has already been shifted on ERS as immediate preventive measure. Now, in order to prevent collapse of tower the location is to be shifted to Pile Foundation as a permanent measure.



2. It is to be mentioned that the course of Dikrong River where discharge of Ranganadi Generation is done, changes every year during Monsoon due to Lower River bed depth and higher scouring depth. In fact, every year / alternate year one or two towers become vulnerable and till now, we have already shifted Location No. 42, 43 and 44 to pile. Further, at present, Location No. 45, 58 & 66 is under shifting to pile.

3. Considering unpredictable river course change of Dikrong and importance of 400kV D/C Ranganadi - Balipara Transmission line being sole evacuation path of Ranganadi Generation as well as power supply path to Arunachal Pradesh, it is essential to shift all the balance 10 nos. of 400kV towers along the River Dikrong to Pile foundation as preventive measure. The balance Locations are 39B, 40, 41, 46, 47, 48, 49, 59, 65 & 67. This is in addition to locations 45, 58 & 66 for which construction of pile foundation is in progress.



Deliberation in the meeting

All constituents agreed to the above proposal of POWERGRID and requested them to prepare the consolidated list of endangered towers so that the same can be placed in the next TCC/RPC for approval.

Action: NERTS, POWERGRID.

D.14 Approval of Transmission tariff for ATS "Asset -I: HVDC portion and combined Asset-II, AC portion under North East-Northern/Western Inter connector Project in NE-Western/Northern Region:

Assam informed that all members are aware that the transmission system associated with North East-Northern/Western Interconnector-I Project was conceived connecting the NE Region directly through HVDC network with Northern and Western Region with the aim of evacuation of surplus power from Subansiri Lower HEP and Kameng HEP. Already power from these two projects has been allocated by MOP to NER, North and Western regions. So far need of the NER is concerned the region does not have the requirement of such costly HVDC network. As per original arrangement the investment cost of NER portion transmission network up to Bishwanath Chariali is to be shared by all Beneficiaries of NER as well as outside NER who avails share from these Generating projects and that for the rest portion from Bishwanath Chariali to Agra is to be shared by Northern and Western Regions on 50:50 basis.

Of late the hearing of transmission tariff petition of Power grid on this network is over and the tariff under POC mechanism is to be finalized by CERC. AS per original

A.9 : PREVENTIVE SHIFTING OF 400KV BALIPARA-RANGANADI #1&2 LINE ALONG THE RIVER DIKRONG WITH PILE FOUNDATION TO AVOID THREAT OF COLLAPSE OF LINE EVERY YEAR - AGENDA REF. IYEM NO. B.6

The river course of Dikrong River where the discharge of Ranganadi Generation is done changes frequently due to lower bed depth and higher scouring depth. As a result, every year one to two towers become endangered due to erosion of soil on account of wayward river course change. Meanwhile, 3 nos. of 400kV towers has already been shifted to pile and 3 nos. are under shifting. Considering the critically of 400kV Balipara-Ranganadi D/C Line for evacuation of 405MW Ranganadi HEP Generation and extending power supply to Arunachal Pradesh, the requirement of preventive shifting of balance 11 nos. of 400kV towers along the river to pile was discussed in OCC & PCC meetings of NERPC and the members agreed for preventive shifting of balance (11 Nos) 400 kV towers under PoC Mechanism. The tentative expenditure for shifting of 11 nos. of 400kV Towers will be around Rs. 22.00 Crores.

Placed for approval of TCC/NERPC.

Deliberation of the TCC

TCC recommended for approval of NERPC

Deliberation of the RPC

The RPC noted and approved the recommendation of TCC.

A.10 : UP-GRADATION OF 132 KV HALFLONG, 132 KV JIRIBAM, 132 KV KUMARGHAT AND 132 KV AIZAWL SUB-STATION ON COMPLETION OF 25 YEARS AGE AND CAPITALIZATION DURING TARIFF BLOCK (2014-19) - AGENDA REF. ITEM NO. B.7

The up-gradation of Haflong, Jiribam, Kumarghat and Aizawl sub stations on completion of 25 Years from AIS to GIS/Hybrid was discussed during 96th OCC & 20th PCC meeting with incorporation of Double Bus Bar Arrangement, Bus Bar Protection and LBB Scheme in SAS configuration to enhance reliability / continuity of power supply. The job is proposed to be carried out by POWERGRID and capitalize the same. The Sub-committee agreed to the proposal and requested POWERGRID to approach CERC for necessary Capitalization. The tentative expenditure will be around Rs. 30.00 Crores.

BRIEF ON JUSTIFICATION FOR PREVENTIVE SHIFTING**1. PREVENTIVE SHIFTING OF LOCATION NO 305 AT 400KV TOWER OF 400KV BALIPARA - BONGAIGAON #1&2 [TWIN MOOSE] ALONG THE RIVER NONOI TO PILE FOUNDATION TO AVOID THREAT OF COLLAPSE OF LINE:**

The tower Loc. No. **305** of the **400kV D/C Balipara-Bongaigaon ckt 1&2** Transmission line became vulnerable due to erosion of river **Nonoi** due to change of river coarse.

Initially, prior to change of river coarse the tower was at about **40-45 M** from **Nonoi** riverbank until the **May'2021**. However, sudden flash flood in the river **Nonoi** eroding the bank towards the tower location and by **June'2021**, the river had eroded approx. **20 m** of the riverbank near Loc. No. 305 reducing the clearance w.r.t. river to **20 m** approx.

It was at this stage that bank protection measures in the form of boulder netting with gabion wall has been taken up by site. However, during flash flood in **June 2022**, the boulder gabion wall was washed away completely, and river came at distance of **16 m** away from tower.

Then on emergency basis some PCC porcupine arranged by site. Again, during flash flood in the month of **May 2023** the riverbank started to erode. **Presently the location is around 13 m away from the riverbank.**

The river has been found to have changed its course substantially towards the tower Loc. No. 305 with siltation on the opposite bank. As a result of high current & rapid pace of erosion the clearance between the river & the tower has been reduced to **13 m** only as on date.

It is to be mentioned that the course of **Nonoi** River, changes every year during Monsoon due to lower riverbed depth and higher scouring depth. It is pertinent to mention that the line is very important link to evacuate power from the generation plant of Kameng, Ranganadi, lower subhansiri project and to maintain the stability of the grid through Bongaigaon and Eastern region.

Considering unpredictable river course change of Nonoi and importance of 400kV D/C Balipara - Bongaigaon ckt 1 &2 it is essential to shift the tower along the river Nonoi to pile foundation as preventive measure.



BRIEF ON JUSTIFICATION FOR PREVENTIVE SHIFTING

2. PREVENTIVE SHIFTING OF LOCATION NO 458 AND 459 OF 400KV TOWER OF 400KV BALIPARA - BONGAIGAON #1&2 ALONG THE RIVER MARA-PAGLADIA WITH PILE FOUNDATION TO AVOID THREAT OF COLLAPSE OF LINE:

The tower Loc. No. 458 of the 400kV D/C Balipara-Bongaigaon ckt 1&2 Transmission line became vulnerable due to erosion of river **Marapagladia** due to change of river course.

Initially, prior to change of river course the tower was at about **50 m** from **Mara-pagladia** riverbank until the **May'2022**. However, sudden flash flood in the river **Marapagladia** eroding the bank towards the tower location and by **June'2022**, the river had eroded approx. **32 m** of the riverbank near Loc. No. 458 reducing the clearance w.r.t. river to **18 m** approx.

It was at this stage that bank protection measures in the form of bamboo porcupine wall have been taken up by site.

Also, during April'23, PSC porcupine protection given by site. But during flash flood in **May'23**, the protection was washed away completely, and river came at distance of **13 m** away from tower. Then on emergency basis some bamboo palisading arranged by site. Presently the location is around 13 meters away from the riverbank.

The river has been found to have changed its course substantially towards the tower Loc. No. 458 with siltation on the opposite bank.

It is to be mentioned that the course of **Mara-pagladia** River, changes every year during Monsoon due to Lower Riverbed depth and higher scouring depth.

It is pertinent to mention that the line is very important link to evacuate power from the generation plant of Kameng, Ranganadi, lower subhansiri project and to maintain the stability of the grid through Bongaigaon and Eastern region.

Considering unpredictable river course change of Mara-pagladia and importance of 400kV D/C Balipara - Bongaigaon ckt 1 &2 it is essential to shift the tower location no 458 and 459 crossing the river Mara-pagladia to Pile foundation as preventive measure.



BRIEF ON JUSTIFICATION FOR PREVENTIVE SHIFTING

3. PREVENTIVE SHIFTING OF LOCATION NO 90 OF 400 KV D/C BINAGURI – BONGAIGAON TRANSMISSION LINE ALONG THE ANTHIHARA RIVER WITH PILE FOUNDATION TO AVOID THREAT OF FURTHER COLLAPSE OF LINE:

The Tower Loc. No. 90 of 400 kV D/C Binaguri - Bongaigaon Transmission line became vulnerable due to erosion of river Anthihara due to change of river coarse and back erosion.

On sudden flash flood in the river in **July'21**, eroding the bank towards the tower location. The distance was around **20 m**.

At this stage that bank protection measures in the form of bamboo palisading with gunny bag and boulder spur have been taken up by site in the month of **July'23**. Presently, the location is **17 m** away from the river.

The river has been found to have changed its course towards the tower. Now, to prevent collapse of tower the location is to be shifted to Pile Foundation as a permanent measure.

It is pertinent to mention that the line is very important inter-regional link to maintain the stability of the grid through Bongaigaon and Eastern region.

Considering unpredictable river course change of Anthihara river and importance of 400 kV D/C Binaguri - Bongaigaon Transmission Line, it is essential to shift the tower location no 90 along the river to Pile foundation as preventive measure.



BRIEF ON JUSTIFICATION FOR PREVENTIVE SHIFTING

4. PREVENTIVE SHIFTING OF LOCATION NO 123 AND 121 OF 132 KV S/C SALAKATI-GELEPHU LINE ALONG THE RIVER DEOSIRI WITH PILE FOUNDATION TO AVOID THE THREAT OF FURTHER COLLAPSE OF LINE:

The Tower Loc. No. 123 (DA+0) of 132 kV S/C Salakati-Gelephu line became vulnerable due to erosion of river Deosiri due to change of river coarse and bank erosion.

Initially, prior to change of river coarse the tower was at about **60 m** from **Deosiri** riverbank until the **June'2022**. However, sudden flash flood in the river **Deosiri** eroding the bank towards the tower location and by **July'2023**, the river had eroded approx. 57 m of the riverbank near Loc. No. 123, reducing the clearance w.r.t. river to **3 m** approx.

It was at this stage that bank protection measures in the form of bamboo palisading with gunny bag, river diversion through JCB have been taken up by site.

But again, during flash flood at **12.07.2023**, all the protection was washed away completely, and the **tower collapsed on 13.07.2023**. Then on emergency basis, the line was charged through ERS on 18.07.2023.

It is pertinent to mention here that the course of **Deosiri River**, changes every year during Monsoon due to Lower Riverbed depth and higher scouring depth. Also, considering the rate of bank erosion and the nature of the soil, **the location no 121 can also become vulnerable in near future.**

Considering unpredictable river course change of Deosiri and importance of 132 kV S/C Salakati-Gelephu Transmission line being very important international link between NER and Bhutan to evacuate power from the generation plant of Bhutan (during monsoon) and to supply power to Gelephu town (during dry season) it is essential to shift the tower locations 123 and 121 along the river Deosiri to Pile foundation as preventive measure.



BRIEF ON JUSTIFICATION FOR PREVENTIVE SHIFTING

5. PREVENTIVE SHIFTING OF LOCATION NO 174(DD+0) OF 400 KV D/C BNC-RANGANADI LINE ALONG THE CHATRANG RIVER WITH PILE FOUNDATION TO AVOID THREAT OF FURTHER COLLAPSE OF LINE:

The Tower Loc. No. 174 (DD+0) of 400 kV D/C BNC-Ranganadi line became vulnerable due to change of river coarse and bank erosion.

On sudden flash flood in the river **Chatrang** on **10.08.2022**, eroding the bank towards the tower location, **two legs of the tower got exposed**.

At this stage, immediate bank protection measures in the form of bamboo palisading with gunny bag have been taken up by site. The river has been found to have changed its course substantially towards the tower.

Considering unpredictable river course change of Chatrang and importance of 400 kV D/C BNC-Ranganadi line being sole evacuation path of Ranganadi Generation as well as power supply path to Arunachal Pradesh, it is essential to shift the tower location 176 to Pile foundation as preventive measure



BRIEF ON JUSTIFICATION FOR PREVENTIVE SHIFTING

6. PREVENTIVE SHIFTING OF LOCATION NO 153,154, 155, 156 OF 132KV PASIGHAT - ROING LINE ALONG THE SIANG RIVER WITH PILE FOUNDATION TO AVOID THREAT OF FURTHER COLLAPSE OF LINE:

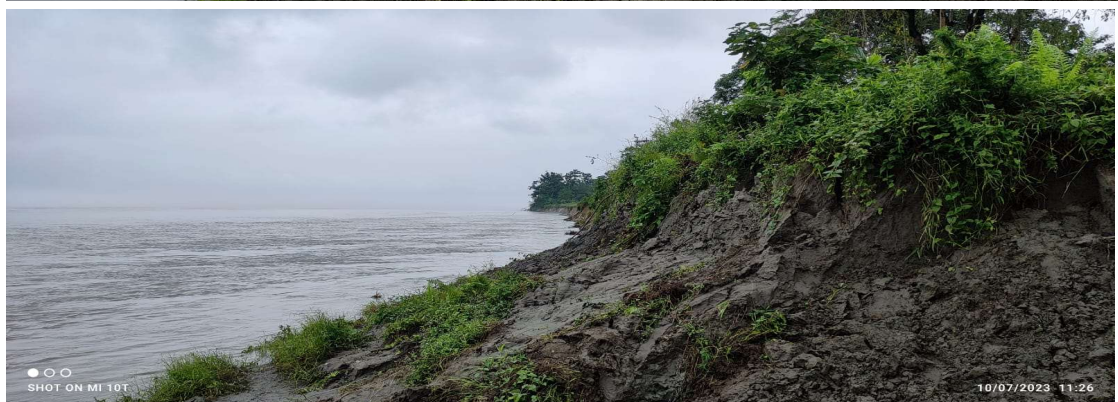
During construction time i.e in the year 2016, the above tower locations were at the distance of more than **1km (approx)** from Siang riverbank. Now, the distance is rapidly reducing during monsoon season year after another due to erosion in riverbank. At present, the measured distance in between line to riverbank **300 mtrs only**.

Since the river were at far away, distance from above mentioned tower location and there were villages like Seram, Kongkul and Namsing between our line and the river. The villagers had tried their level best to control the erosion of the riverbank with the help of local administration and concern department of the state. But all their efforts had gone to vein and many people from those villages have been shifted/displaced to the safer place.

The river has been found to have changed its course substantially towards the towers. Now, to prevent collapse of tower those locations are to be shifted to Pile Foundation as a permanent measure.

It is to be mentioned here that the Siang River is the main tributary/ stream of mighty Brahmaputra River. Controlling riverbank erosion during flash flood would be challenging one.

Considering unpredictable river course change of Siang and importance of the said line it is essential to shift the tower locations 153, 154, 155, 156, 157 along the river to Pile foundation as preventive measure. The 132KV Pasighat - Roing Line is feeding power to at least 06 (Six) districts of Arunachal Pradesh and became paramount important and bloodline for the people residing at its downstream. Earlier the line was on the radial supply from Ranganadi Generation Station of NEEPCO via Ziro, Daporijo and Along.



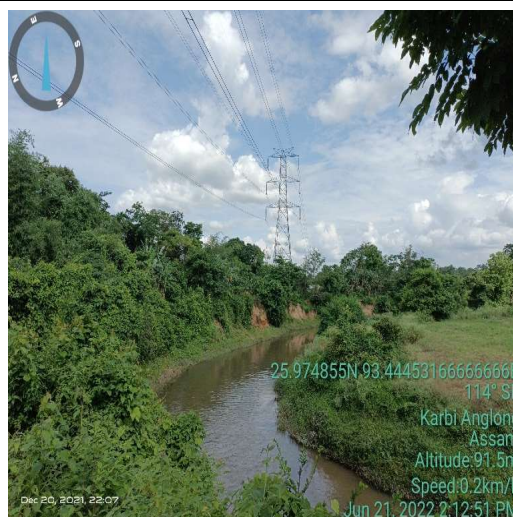
BRIEF ON JUSTIFICATION FOR PREVENTIVE SHIFTING

7. PREVENTIVE SHIFTING OF LOCATION NO 824, 844 OF 400 KV D/C MISA- MARIANI TL ALONG THE MANJHA RIVER WITH PILE FOUNDATION TO AVOID THREAT OF FURTHER COLLAPSE OF LINE:

During continuous heavy rain prevailing since May 2022 in Assam and Arunachal Pradesh, there have been erosion in river bank both front and back side of the tower. Presently, the river bank is minimum **20 m** far from towers. The river was at far away, distance from above mentioned tower locations. But due to change of the river during the flood in the month of July'22, the tower became vulnerable. In that stage temporary protection given by site.

The river has changed its course towards the tower locations. Now, to prevent collapse of tower those locations may be shifted to Pile Foundation as a permanent measure.

Considering unpredictable river course change of Manjha and importance of the said line it is essential to shift the tower locations 824 and 844 along the river to Pile foundation as preventive measure. This line connects 400 KV Misa Substation to 400 KV Mariani Substation feeding power to NER states.



BRIEF ON JUSTIFICATION FOR PREVENTIVE SHIFTING

8. PREVENTIVE SHIFTING OF LOCATION NO 002 OF 220 KV S/C MISA-KOPLI TRANSMISSION LINE ALONG THE KOPLI RIVER WITH PILE FOUNDATION TO AVOID THREAT OF FURTHER COLLAPSE OF LINE:

The tower No 002 of 220 KV S/C Misa Kopli TL is in the Bank of Kopli River just outside premises of Kopli Hydro Electric Power Project of NEEPCO. Earlier the location (002) was protected with boulder sausage work all around the tower and the boulder bed was provided at almost **70-100 m** toward upstream side to protect the bank. It has also been observed that Boulder sausage wall protection exists along the riverbank to the NEEPCO DAM site.

It has been observed that boulder sausage near the tower got damaged by the huge water flow in the Kopli river during the flash flood in the month of April-May'22.

It is also seen that the Kopli river was flowing about 5 meters above the ground level at the tower base during the flash flood and clear evidence of floating rubbish stuck in the tower bracing members could be seen. The bracing of the bottom section of all 4 legs of the towers was found to be bent/deformed which might be caused by hitting high speed floating objects in the river. Besides, the soil at Leg A, C & D are also found to be washed out leaving the chimneys exposed up to 2 m height. The bank protection work provided by NEEPCO also got damaged.

The immediate measure to protect the tower has been taken and some boulder repairing works been carried out departmentally but after 2-3 days the volume of water flowing in river suddenly increased and damaged the protection work. The temporary protection works again started after 1 month. Presently, the tower base has been filled with soil and damaged bracing has also been replaced. Since, the earlier provided boulder-netting wall is completely damaged; repairing of the same will be not effective.

Considering unpredictable river course of Kopli and importance of 220 kv S/C Misa-Kopli Transmission line being the evacuation path of Kopli Generation as well as power supply path to different parts of Assam and Meghalaya, it is essential to shift the tower location 002 to Pile foundation as preventive measure.



BRIEF ON JUSTIFICATION FOR PREVENTIVE SHIFTING

9. PREVENTIVE SHIFTING OF LOCATION NO 260 OF 400 KV D/C JIGMELING-ALIPURDUAR TRANSMISSION LINE ALONG THE HELL RIVER WITH PILE FOUNDATION TO AVOID THREAT OF FURTHER COLLAPSE OF LINE:

The tower No 260 of 400 KV D/C Jigmeling-Alipurduar TL became vulnerable due to erosion of Hell river due to change of river coarse and bank erosion. On sudden flash flood in the river in **July'22**, the river bank eroded towards the tower location. The distance was around **44 m**. Bank protection measures in the form of bamboo porcupine with tree branches, gunny bag has been taken up by site. Presently, the location is **41 m** away from the river.

The river has been found to have changed its course towards the tower. Now, to prevent collapse of tower the location is to be shifted to Pile Foundation as a permanent measure.

Considering unpredictable river course change of Hell and importance of 400 kV D/C Jigmeling - Alipurduar Transmission line being very important international link between India and Bhutan to evacuate power from the generation plant of Bhutan (during monsoon) and to supply power to Bhutan (during dry season) it is essential to shift the tower locations 260 along the river Hell to Pile foundation as preventive measure.



BRIEF ON JUSTIFICATION FOR PREVENTIVE SHIFTING

10. PREVENTIVE SHIFTING OF LOCATION NO 126 OF 400 KV D/C BALIPARA-BONGAIGAON CKT 3&4 (QUAD) TRANSMISSION LINE ALONG THE BELSIRI RIVER WITH PILE FOUNDATION TO AVOID THREAT OF FURTHER COLLAPSE OF LINE:

The tower No. 126 of 400 KV D/C Balipara-Bongaigaon Quad TL became vulnerable due to erosion of Belsiri due to change of river coarse and bank erosion. On sudden flash flood in the river in **2019**, the riverbank eroded towards the tower location. In 2019, Bank protection measures in the form of boulder spur protection has been taken up by site. Also, in 2020 and 2021, bamboo porcupine and bamboo cage protection are given by site. Presently, the location is **40 m** away from the river.

The river has been found to have changed its course towards the tower. Now, to prevent collapse of tower the location is to be shifted to Pile Foundation as a permanent measure.

It is pertinent to mention that the line is very important link to evacuate power from the generation plant of Kameng, Ranganadi, lower subhansiri project and to maintain the stability of the grid through Bongaigaon and Eastern region.

Considering unpredictable river course change of Belsiri and importance of 400kV D/C Balipara - Bongaigaon ckt 3&4 it is essential to shift the tower location no 126 to pile foundation as preventive measure.



BRIEF ON JUSTIFICATION FOR PREVENTIVE SHIFTING

11. PREVENTIVE SHIFTING OF LOCATION NO 276 OF 800 KV BISWANATH CHARIALI-AGRA HVDC TRANSMISSION LINE ALONG THE PASNOI RIVER WITH PILE FOUNDATION TO AVOID THREAT OF FURTHER COLLAPSE OF LINE:

The tower No. 276 of 800 kV BNC-Agra HVDC TL became vulnerable due to erosion of Pasnoi river due to change of river coarse and bank erosion. On sudden flash flood in the river in **2020**, the riverbank eroded towards the tower location. In 2020, Bank protection measures in the form of bamboo porcupine protection has been taken up by site. In 2021 and 2022 **boulder spur and bamboo palisading with gunny bag protection is given by site.** Presently, the location is **30 m** away from the river.

The river has been found to have changed its course towards the tower. Now, to prevent collapse of tower the location is to be shifted to Pile Foundation as a permanent measure.

It is pertinent to mention that the line is very important link to evacuate power from the generation plant of Kameng, Ranganadi, lower subhansiri project and to maintain the stability of the grid through connecting Eastern region and Northern Region.

Considering unpredictable river course change of Pasnoi and importance of 800 kV Bipolar BNC-Agra HVDC TL, it is essential to shift the tower location no 276 to pile foundation as preventive measure.

