



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

SPEED POST/FAX  
Ph: 0364-2534628  
Fax: 0364-2534040  
email: nerpc@ymail.com  
website: www.nerpc.nic.in

No.: NERPC/COM/CC\_Min/2018/2215-2257

Dated: 24.01.2022

To

1. CE (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, South Block, Near 2<sup>nd</sup> 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. ED (Commercial), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
15. ED (O&M), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
16. ED (Commercial), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
17. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
18. Group GM, NTPC Limited, Bongaigaon Thermal Power Project, P.O. Salakati, Kokrajhar-783369
19. GM (Commercial), NTPC Limited, ER-II HQ, Plot No. N-17/2, Naya Palli, Bhubaneswar-751012
20. MD, OTPC, Core 4 & Central, 10<sup>th</sup> Floor, SCOPE Minar, Laxmi Nagar, Delhi – 110092
21. ED, NERTS, PGCIL, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
22. AGM (BD), NVVN, Core 5, 3<sup>rd</sup> floor, Scope Complex, 7 Institutional Area, Lodhi Rd., N. Delhi-3
23. Vice President, PTCIL, 2<sup>nd</sup> Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi – 110066
24. ED, NERLDC, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
25. Chief Engineer, GM Division, CEA, Sewa Bhawan, R.K. Puram, New Delhi – 110066

**Sub: Minutes of the 43<sup>rd</sup> Commercial Sub-Committee Meeting held on 17<sup>th</sup> December 2021**

Sir,

Please find enclosed herewith the minutes of the 43<sup>rd</sup> Commercial Sub-Committee Meeting held on 17<sup>th</sup> December 2021 at Greenwood Resort, Khanapara, Assam for your kind information and further necessary action.

Encl.: As above

भवदीय / Yours faithfully,

(एस. एम. आइमोल / S. M. Aimol)

निदेशक / Director

वाणिज्य / Commercial

Copy to:

1. CGM (Comml), APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
2. ED (Comml), MSPDCL, Secure Office Bldg. Complex, South Block, Near 2<sup>nd</sup> 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. AGM (Comml), NTPC Limited, 16<sup>th</sup> 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
18. MD, NETC, #2C, 3<sup>rd</sup> Floor, D-21, DMRC Building, Corporate Park, Sector-21, Dwarka, Delhi-77

(एस. एम. आइमोल / S. M. Aimol)

निदेशक / Director

वाणिज्य / Commercial



सत्यमेव जयते

# Minutes of 43<sup>rd</sup> CCM

Govt. of India  
Ministry of Power  
**North Eastern Regional Power Committee**  
Shillong

**MINUTES OF THE 43<sup>rd</sup> COMMERCIAL COORDINATION**

**SUB-COMMITTEE MEETING OF NERPC**

**Date** : 17/12/2021 (Friday)  
**Time** : 10:00 hrs  
**Venue** : Greenwood Resort, Khanapara, Assam

43<sup>rd</sup> CCM of NERPC was held on 17<sup>th</sup> December 2021 at Khanapara, Assam under the aegis of Assam Power Distribution Company Ltd. The list of participants in the 43<sup>rd</sup> CC meeting is attached as **Annex. – I**.

The meeting commenced at 10 am with singing of the National Anthem. This was followed by felicitation of delegates and lighting of ceremonial lamp by the dignitaries.

Shri Debajyoti Das, CGM (Commercial), APDCL delivered the welcome address. He extended a warm welcome to all the delegates of the 43<sup>rd</sup> CCM. He expressed gratitude to NERPC for giving them the opportunity to host the meeting. He emphasized the pivotal role power sector plays in the developmental phase of any region and for the country as a whole. He highlighted the importance of the forum in bringing all the stakeholders together for fruitful discussions which would result in the steady development of power sector in the North-East India.

Shri F. R. Laskar, Joint Secretary, Department of Power, Government of Assam, in his brief speech, appreciated the role of engineers for being the architect of the civilized world. He acknowledged the importance of Power in modern times and thanked all the participants for their sincere efforts and dedication in their various roles in the Power Sector.

Shri Brieflee Lyngkhoi, Member Secretary, NERPC welcomed all the participants to the 43<sup>rd</sup> CCM. He thanked APDCL for hosting the meeting and making excellent arrangements for the participants. He stressed the

importance of the CC meetings where major commercial decisions are made and how it can have huge impact in the overall financial health of the region.

Member Secretary informed the forum that CERC will now be conducting quarterly meetings with RPCs and urged the participants to use the opportunity to raise their queries to CERC through NERPC for the development of NER power sector. Member Secretary also stated that so far consent for additional allocation of 58 MW out of OTPC's merchant power has been received. He requested Assam and Tripura to consider taking the remaining quantum of the merchant power. On a similar note, he also requested all the NER states to explore the possibility for the additional allocation from the merchant power of the Kameng HEP. He further highlighted that the Kameng power would be helpful to meet the RPO target of the beneficiary utility. He appreciated the present situation of outstanding dues of various utilities as compared to the status in previous meetings. However, he cautioned the concerned utilities that clearing dues through "Aatma Nirbhar Bharat Abhiyan" package is not sustainable in the long run and utilities must take necessary steps to improve their finances.

Member Secretary also informed that installed capacity of NEEPCO's AGTCCP considered by CERC for tariff calculation is 135 MW whereas the total allocation as per MoP order of 2016 is 130 MW. He mentioned that whether the allocation/scheduling of additional 5 MW is to be implemented to existing beneficiaries or what are the procedure to be adopted for implementation thereof would be discussed during the meeting.

On behalf of NERPC Secretariat, Sh. S. M. Aimol, Director (C), NERPC thanked all the participants for attending the meeting out of their busy schedules. He requested active support and cooperation from all the participants for having a fruitful deliberation.

The point wise deliberations/discussions taken up during the 43<sup>rd</sup> Commercial Committee meeting are as under:

**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 42<sup>nd</sup> COMMERCIAL SUB-COMMITTEE MEETING OF NERPC.**

Minutes of the 42<sup>nd</sup> CC meeting held on 05/08/2021 through online on "Microsoft Teams" was circulated vide No.NERPC/COM/CC\_Min/2018/4223-4265 dated 18<sup>th</sup> August, 2021.

***Deliberation of the Sub-committee***

Director (Commercial), NERPC informed that no observation has been received from any of the constituents. Therefore, the sub-committee confirmed the minutes of the 42<sup>nd</sup> 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 CERC Draft Regulations***

CERC has issued Draft Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2021.

The above Draft Regulation will be highlighted in the meeting for the benefit of the CC members.

***Deliberation of the Sub-committee***

The salient points, significance and implication of the Draft DSM Regulations, 2021 was briefly highlighted by Shri Shivam Chaturvedi, AE, NERPC (Annex.-2.1).

***The Sub-committee noted as above.***

**2.2 Board Fund Contribution status for FY 2020-21 and 2021--22**

The status of payment for FY 2020-21 and FY 2021-22 (as on 30.11.2021) is as given below:

F.Y 2020-21			
Constituents	Status of Payment	Constituents	Status of Payment
NTPC	Payment Received	Ar. Pradesh	Payment Received
NHPC	Payment Received	Assam	Payment Received
PTC	Payment Received	Manipur	Payment Received
NVVN	Payment Received	Meghalaya	DUE
OTPC	Payment Received	Mizoram	Payment Received
NEEPCO	Payment Received	Nagaland	Payment Received
PGCIL	Payment Received	Tripura	Payment Received

F.Y 2021-22			
Constituents	Status of Payment	Constituents	Status of Payment
NTPC	Payment Received	Ar. Pradesh	Payment Received
NHPC	Payment Received	Assam	Payment Received
PTC	Payment Received	Manipur	Payment Received
NVVN	Payment Received	Meghalaya	DUE
OTPC	Payment Received	Mizoram	Payment Received
NEEPCO	Payment Received	Nagaland	DUE
PGCIL	Payment Received	Tripura	Payment Received

For FY 2020-21, all constituents have paid except Meghalaya and for FY 2021-22, all constituents have paid except Meghalaya and Nagaland.

Meghalaya and Nagaland are requested to kindly deposit their respective amount towards Board Fund of NERPC at the earliest.

**Deliberation of the Sub-committee**

Director (Commercial), NERPC informed that Meghalaya and Nagaland have also made their respective payments recently. He expressed gratitude to all constituents of NERPC for their timely payment of board fund contribution.

***The Sub-committee noted as above.***

**2.3 Allocation of OTPC Merchant Power on long term basis at CERC determined tariff:**

As per decision of the 21<sup>st</sup> TCC/RPC meeting, NERPC had asked consent from all beneficiaries for additional allocation out of Merchant Power of OTPC and consent for allocation of 58 MW has been received by NERPC Secretariat as below:

Sl. No.	Constituents	Power Quantum Requested	Reference Letter
1	Ar. Pradesh	3 MW	SE (Com)/SLDC/56/2020-21/2774-77 dt. 11.10.2021
2	Manipur	10 MW	2/29/2018/MSPDCL (Comml)/168-71 dt. 20.04.2021
3	Mizoram	20 MW	T11022/01/17-EC(P)/Com/15 dt. 01.11.2021
4	Nagaland	25 MW	CEL/TB/NERPC/2009-10/205(A) dt. 01.03.2021

The above utilities need to sign supplementary PPAs for allocation and scheduling of the requested quantum out of Merchant Power of OTPC.

OTPC is advised to approach the interested beneficiaries for signing of supplementary PPAs for allocation/Scheduling of the requested merchant power quantum on long term basis at CERC determined tariff.

**Deliberation of the Sub-committee**

Member Secretary, NERPC requested APDCL and TSECL to consider the additional allocation from Merchant quantum of OTPC Palatana.

Senior Manager, TSECL informed the forum that Tripura has agreed in-principle for the additional allocation of 20 MW from the merchant power of OTPC. He further requested OTPC to pursue the matter with top management of TSECL for signing of PPA.

***The Sub-committee noted as above.***

***Action: APDCL & TSECL***



### **3. AGENDA ITEMS FROM NHPC**

#### **3.1 *Issues with MeECL/MePDCL, Meghalaya:***

##### **(i) *Outstanding dues of NHPC for more than 60/45 days (from December 2014).***

As on date, an amount of ₹ 29.99 Cr which includes principal amount of ₹ 10.53 Cr and Late Payment Surcharge (LPS) of ₹ 19.46 Cr (up to 31.01.2021) is due for payment from MeECL/MePDCL, Meghalaya. NHPC's auditors are stressing upon NHPC to realise pending huge outstanding dues at the earliest. NHPC has consistently giving reminders and talked telephonically several times with MeECL/MePDCL for liquidation of outstanding dues. NHPC has also requested to pay the outstanding amount through "Aatma Nirbhar Bharat Abhiyan" (liquidity infusion of Rs. 90,000 Cr in various State DISCOMs). The issue has also been discussed in 39<sup>th</sup> CCM held on 28.08.2020; 40<sup>th</sup> CCM held on 15.12.2020 and 21<sup>st</sup> TCC meeting held on 03.02.2021. Every time MeECL/MePDCL, Meghalaya has given assurance that they are availing loan under "Aatma Nirbhar Bharat Abhiyan" package and they will pay all outstanding dues as soon as the loan will be disbursed. It is also learnt that REC & PFC have already sanctioned loan under Aatma Nirbhar Bharat Abhiyan Package for MeECL/MePDCL but nothing has been received by NHPC as committed by MeECL/MePDCL in various meetings.

Thus, MeECL/MePDCL, Meghalaya may be directed to liquidate the entire outstanding dues of ₹ 29.99 Cr (including Late Payment Surcharge of ₹ 19.46 Cr up to 31.01.2021) immediately as assured in the 39<sup>th</sup> CCM, 40<sup>th</sup> CCM & 21<sup>st</sup> TCC meeting.

##### **(ii) *Pending reconciliation statement for verification.***

NHPC has submitted the reconciliation statements of quarterly accounts for the period w.e.f. 01.01.2020 to 31.03.2020; 01.04.2020 to 30.06.2020; 01.07.2020 to 30.09.2020 & 01.10.2020 to 31.12.2020, the same are to be verified and endorsed by MeECL, Meghalaya. The statements are pending till date.

**Deliberation of the Sub-committee**

Meghalaya representative responded that the balance outstanding dues of Rs 1.4 Cr. will be cleared shortly. He however requested NHPC to further pursue with treasury department of the state government for early payment. He also stated that he would take necessary action for signing of the reconciliation statements.

***The Sub-committee noted as above.***

***Action: MePDCL***

**3.2 Issues with MSPDCL (Manipur):**

As on date, the old outstanding dues of Rs. 11.95 Cr. remain to be paid by MSPDCL, Manipur. Though they are clearing payment but irregularly, as a result a chunk of amount always remain outstanding since March 2021.

The issue has also been discussed in 40<sup>th</sup> CCM, 42<sup>nd</sup> CCM and 21<sup>st</sup> TCC meeting wherein MSPDCL, Manipur has given assurance to clear all dues availing loan under "Aatma Nirbhar Bharat Abhiyan" package. Further, NHPC has also given "Billing Discounting" option to Manipur to clear all outstanding dues. Till date, MSPDCL, Manipur has neither cleared all dues nor taken any decision. In present scenario, all the NE discoms except MSPDCL, Manipur have cleared their old dues.

Thus, MSPDCL, Manipur may be directed to clear the outstanding dues at the earliest to avoid encashment of LC/ regulation of power as per MoP guidelines.

**Deliberation of the Sub-committee**

MSPDCL representative informed that they are pursuing government loan of Rs 130 Cr. which is expected to be released by 31<sup>st</sup> December, 2021. He requested NHPC to kindly wait till the loan amount is released.

***The Sub-committee noted as above.***

***Action: MSPDCL***

**3.3 Issue for Renewal of Power Purchase Agreement (PPA) in respect of Loktak Power Station (105 MW):**

The status of expired Power Purchase Agreement (PPA) of Loktak Power Station is given below:

- 1) APDCL, Assam : expired on 31.05.2018,
- 2) Dept. of Power, Ar. Pradesh : expired on 31.05.2018 and
- 3) MSPDCL, Manipur : going to expire on 31.12.2021

APDCL, Assam has given consent for renewal of PPA for 5 years, in response NHPC requested them to consider for renewal of PPA for balance useful life due to cheaper tariff. APDCL, Assam has informed that they have processed the case but it is still pending since April 2021 and from April till date 8 months lapsed.

Department of Power, Arunachal Pradesh has sent their consent on 04.05.2021. Accordingly, NHPC sent the scanned copy to Supplementary PPA after signed of authorized signatory of NHPC on 23<sup>rd</sup> July, 21. The same is pending for last 5 months at their end.

MSPDCL, Manipur require to offer their consent for renewal of PPA. But, it is still pending.

In view of above, APDCL, Assam; Department of Power, Arunachal Pradesh and MSPDCL, Manipur may be directed for suitable action in this regard so that consent for renewal of said PPAs may be received as early as possible for uninterrupted power supply from Loktak Power Station.

**Deliberation of the Sub-committee**

AGM (TRC), APDCL informed that the Board of Directors has already approved the renewal of PPA in respect of Loktak Power Station for the balance useful life. He further stated that the approval from Government of Assam is being awaited.

SE (Commercial), DoP Arunachal Pradesh informed that in-principle consent for PPA renewal has already been given. However, approval from the state government is being awaited.

MSPDCL representative informed that the issue regarding renewal of the PPA of Loktak HEP is under active consideration and discussion at the top management level.

*The Sub-committee noted as above.*

*Action: APDCL, MSPDCL & DoP, Ar. Pradesh*

#### 4. AGENDA ITEMS FROM NEEPCO

4.1 *Outstanding dues of beneficiary's payable to NEEPCO as on 30.11.2021 are as follows:*

(Rs. in Crore)

State	Principal already due (>45 days)	LPS Due	Total Due (Principal + LPS)	Amount yet to be due (< 45 days)
1	2	3	4=2+3	5
ASSAM	0.80	0	<b>0.80</b>	0
MIZORAM	15.08	0.06	<b>15.14</b>	42.24
MANIPUR	6.24	0.13	<b>6.37</b>	29.56
TRIPURA	133.34	0	<b>133.34</b>	103.99
AR. PRADESH	0	0	<b>0</b>	0
NAGALAND	0	0.01	<b>0.01</b>	11.41
MEGHALAYA	0	0	<b>0</b>	0

As may be seen from the above table, Tripura, Mizoram and Manipur are the major defaulters. Tripura's dues include an approximate amount of Rs. 103.68 crore which is under litigation at APTEL.

It may be appreciated that dues of this magnitude forces NEEPCO to resort to regular commercial borrowings at very high cost in order to meet its routine operational expenses, making the efficient running of power stations unsustainable over a long period.

Therefore, NEEPCO requests this house to take cognizance of this problem and urge upon the defaulting entities to clear the dues at the earliest in the overall interest of all stakeholders.

TSECL may also be urged upon to expedite the disposal of the pending litigations in APTEL.

**Deliberation of the Sub-committee**

CGM (Commercial), NEEPCO informed that since 30<sup>th</sup> November, 2021 the outstanding dues situation with beneficiaries other than Tripura has largely improved. He further added that there have been issues with respect to the encashment of LC from Tripura, thus providing no payment security to NEEPCO. He urged the forum that since APTEL has not put any stay on the Rs. 103.68 Cr. due against Tripura, TSECL should be asked to pay the said amount along with the remaining dues.

Sr. Manager, TSECL responded that Bangladesh is payable to Tripura for the power exported to it since March, 2021. He expected that Bangladesh may settle their dues by January, 2022. Once the payment is made by Bangladesh, TSECL will clear its dues including the outstanding of NEEPCO. He further assured that the LC encashment issue would be taken up with their bank.

Member Secretary, NERPC noted the seriousness of the issue and requested TSECL to honour its commitments by 31<sup>st</sup> January, 2022. TSECL agreed.

***The Sub-committee noted as above.***

***Action: All concerned Utilities***

***4.2 Kameng HEP- additional share allocation subsequent to commissioning of all 4 units (4x150 MW):***

600 MW (i.e., 4 X 150 MW) Kameng HEP at Arunachal Pradesh is operating in full capacity after declaration of commercial operation of the project on 12<sup>th</sup> February 2021.

As the house may be aware, the share allocation order for the plant places 345 MW of the plant capacity at the disposal of NEEPCO for merchant sale.

Therefore, further to the deliberations on the issue of additional allocation at the 38<sup>th</sup> CCM and 20<sup>th</sup> TCC & RPC Meetings, with the commissioning of the

full installed capacity, the esteemed house is once again requested to discuss the issue and consider additional allocation from the Kameng HEP. In this context it is mentioned that the tariff application has been already filed before the Hon'ble CERC and it is seen that the tariff is expected to be very competitive and attractive. On confirmation of the additional requirement NEEPCO will take up the matter with the Ministry of Power, Government of India for share allocation.

Further, it is intimated to the house that 600 MW Kameng HEP comes under the Renewable Purchase Obligation (RPO) trajectory where Hydro Power Obligation (HPO) is considered as a separate entity within the Non-Solar RPO. In view of above, it is requested to the beneficiary states (i.e., Manipur, Mizoram and Tripura) to consider the Kameng power to their future benefit for HPO obligation.

**Deliberation of the Sub-committee**

Member Secretary, NERPC urged the NER states to consider additional allocation from Kameng HEP. He further emphasized that Kameng power would also help the beneficiaries in fulfilling their RPO obligations.

***The Sub-committee noted as above.***

***Action: All concerned utilities***

***4.3 Green Day Ahead Market (G-DAM)- Problem in selling of Hydro power in G-DAM.***

Ministry of Power, GOI has issued an office memorandum dated 8th March 2019 (vide OM no. 15/2/2016-H-I (Pt)) considering large Hydro power plant (above 25 MW) commissioned after 8th Mar' 2019 as a separate entity within Non-Solar Renewable Purchase Obligation (RPO) for Hydro Purchase Obligation (HPO) and accordingly issued an order dated 29th January, 2021 (No.23/03/2016-R&R) specifying the RPO trajectory up-to the FY of 2029-30 and for the year 2021-22 and 2022-23, HPO are specified as 0.18% and 0.35 % respectively. Further, Ministry of Power has requested to the eligible Hydro Generator to sale their hydro power by participating in G-DAM for ease of compliance of HPO liability to the States/DISCOMs. However, NEEPCO is

facing problem in participating in G-DAM Market for selling of Kameng power; as Power Exchanges have refused to accept our sale bids in G-DAM due to non-availability of specific guidelines from CERC.

In view of the above, it is requested to the NERPC to discuss the matter in the House and take the issue with appropriate authority for early solution of the same.

**Deliberation of the Sub-committee**

CGM (Commercial), NEEPCO highlighted the problems faced by NEEPCO in G-DAM participation for Kameng HEP. He enquired regarding the issuance of NOC from NERLDC, to which NERLDC representative informed the forum that the NOCs are issued on quarterly basis and the NOC for Q3 of FY21-22 was issued in September, 2021. However, the CERC order for introduction of the Green Day Ahead Contract in Day Ahead Market segment at Indian Energy Exchange Limited came on 17<sup>th</sup> October, 2021.

NERLDC representative further informed that NOC for Kameng is given under the category of RE as per the MOP order dt. 8<sup>th</sup> March 2019 regarding Measures to promote hydro power sector. Again as per the MOP order dt. 29<sup>th</sup> Jan 2021 regarding RPO trajectory, Kameng comes under Non-Solar category with HPO trajectory whereas the CERC order of petition no 146/MP/2021 dtd. 17.10.2021 directed the RLDC vide cl no 24 to issue NOC to RE generator mentioning solar/ non-solar/ hydro. Therefore RLDC will revise the Q-3 issued NOC by mentioning as RE Hydro (LHP) as stipulated in the said order if any request is received. Further quarterly NOCs will be issued as per the above guideline till any further order.

CGM (Commercial), NEEPCO further stated that there is absence of sufficient regulations/guidelines from Hon'ble CERC in regard to G-DAM participation for Hydro Generating Plants. He further informed the forum that NEEPCO will be filling a petition before the CERC in this regard.

After detailed deliberation, Member Secretary, NERPC informed that the issue will be flagged to CERC in the CERC-RPC meeting. He further requested both NEEPCO and NERLDC to furnish their views in details to NERPC Secretariat.

Both NEEPCO and NERLDC agreed to send their comments to NERPC Secretariat for discussion with Hon'ble CERC.

***The Sub-committee noted as above.***

***Action: NERLDC, NEEPCO & NERPC***

#### ***4.4 Opening and maintaining of adequate Letter of Credit (LC) as Payment Security for Scheduling of Power.***

(Ref: 1. MoP, GoI order vide L/No/ 23/22/2019 – R&R dated 28th June' 2019

2. MoP's Letter No. 23/22/2019-20-R&R, Dated.17.07.2019

The Ministry of Power, Government of India, vide letter under reference, has directed to maintenance of adequate Payment Security in the form of Letters of Credit (LC) by all Distribution Licensees/Procurers of Power. Accordingly, all beneficiaries have opened and maintained their LCs with respective amount for their share of allocation.

Based on LC maintenance status, Regional Load Dispatch Centre (i.e., NERLDC for NER region) has been scheduling the power to the DISCOMs and Power Utilities.

However, it was observed that during renewal of the same, some beneficiaries have not taken timely action to continue validation of LCs without break, resulting in difficulties in scheduling power to them.

The above is for deliberation of the house, with a request to all beneficiaries for timely renewal of LC to avoid any disruption in scheduling of supply of power, as per the directives of Ministry of Power, Govt. of India.

#### ***Deliberation of the Sub-committee***

The sub-committee noted the issue raised by NEEPCO. All beneficiaries were requested to adhere to CERC as well as MoP guidelines on the same.



*The Sub-committee noted as above.*

**Action: All concerned utilities**

**5. AGENDA ITEMS FROM POWERGRID/NERTS**

**5.1 *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 02.12.2021 is detailed below: -

(All Figures in Rs Crores)

<b>State/DIC</b>	<b>Outstanding more than 45 days</b>	<b>Total Outstanding dues</b>	<b>Remarks</b>
APDCL (Assam)	-	<b>43.13</b>	Approx. 01 month receivable
TSECL (Tripura)	10.81	<b>37.02</b>	Approx. 03 months receivables
Mizoram	22.91	<b>33.01</b>	Approx. 05 months receivables
MSPDCL (Manipur)	15.23	<b>31.73</b>	Approx. 04 months receivables
MeECL (Meghalaya)	-	<b>14.62</b>	Approx. 02 months receivables
Arunachal Pradesh	-	<b>7.85</b>	Approx. 01 month receivable
Nagaland	-	<b>7.53</b>	Approx. 01 month receivable
MSPCL (Manipur)	1.16	<b>1.35</b>	Approx. 11 months receivables

Concerned DICs with >45 days outstanding dues, viz. Mizoram, MSPDCL, TSECL & MSPCL may be impressed upon to clear the outstanding dues immediately since POWERGRID/CTUIL is facing financial constraints due to accumulation of such huge outstanding dues.

**Deliberation of the Sub-committee**

TSECL informed that the dues will be cleared by January, 2022. MSPDCL informed that once their loan of Rs 130 Cr. is released, they will clear their outstanding dues.

***The Sub-committee noted as above.***

***Action: All concerned utilities.***

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

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 (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 2021-22.

The status of LCs (as per above new requirement) of NER DICs as on 02.12.2021 is as follows: -

<b>State</b>	<b>LC in favour of CTUIL(for PoC billing)</b>	<b>LC in favour of POWERGRID (for non-PoC billing)</b>
Ar. Pradesh	Not Available	Not Available
Assam	Available	Available
Manipur	Not Available	Not Available
Meghalaya	Available	Available
Mizoram	Not Available	Not Available
Nagaland	Not Available	Not Available

Tripura	Not Available	Not Available
Nagaland	Not Available	Not Available

**Deliberation of the Sub-committee**

Sr. DGM (Commercial), NERTS informed the forum that so far only Assam and Meghalaya have opened separate LCs. He requested the remaining DICs to open separate LCs as per Regulation 19 of CERC Sharing Regulations, 2020.

TSECL informed that they have already opened the requisite LC for PoC billing.

All beneficiaries were requested to open separate LCs as per CERC Regulations.

***The Sub-committee noted as above.***

***Action: All concerned utilities.***

**6. AGENDA ITEMS FROM APDCL**

**6.1 *Power supply through existing 33KV Sunpura- Chapakhowa line of Assam to Tezu and Sunpuwa area of Arunachal Pradesh and power supply at Namsang Tea Estate, Dibrugarh, Assam from Arunachal Pradesh.***

Dept. of Power, Govt. of Arunachal Pradesh has requested Assam Power Distribution Company Limited (APDCL) to give consent for Inter- State drawal of power from the 132/33KV Chapakhowa GSS of Assam through the existing 33KV Sunpura- Chapakhowa line to the Tezu- Sunpura area of Aruanachal Pradesh to mitigate the low voltage and line fault issues in AP's network. Continuing the long relationship of interstate power transaction for power supply to the border area through total 11 (eleven) nos. of existing interstate points between Assam and Arunachal Pradesh, APDCL has requested Assam Electricity Grid Corporation Limited (AEGCL) for providing NOC for the same.

Once it is received, a Bilateral Agreement between Assam and Arunachal Pradesh may be signed for the power transaction.

Accepting APDCL's request to DoP, GoAP for giving consent for signing the Bilateral Agreement to supply power with maximum demand of 1000 KVA for onward supply to Namsang Tea Estate, Dibrugarh, Assam, DoP, GoAP had recently shared the draft agreement. APDCL has confirmed the draft agreement shared by the DoP, GoAP. The Agreement will be signed at the earliest.

This is for kind information of the August Forum.

**Deliberation of the Sub-committee**

AGM (TRC), APDCL informed the forum that AEGCL has given the consent for power supply to Tezu - Sunpura area of Arunachal Pradesh from 132/33kV Chapakhowa GSS of Assam through the existing 33kV Sunpura-Chapakhowa line. He added that soon consent will be conveyed to DoP, Arunachal Pradesh from APDCL. He further informed that the current methodology of adjustment in DSM accounting will be followed for the mentioned line too as is the case with the other current existing interstate points between Assam and Arunachal Pradesh.

He also expressed his appreciation for the bilateral arrangement between DoP, GoAP and APDCL on power supply to Namsang Tea Estate, Dibrugarh, Assam. He informed that the Agreement will be signed at the earliest.

***The Sub-committee noted as above.***

***Action: APDCL & DoP, Ar. Pradesh.***

***6.2 Bill raised to Arunachal Pradesh for Settlement of meter reading of 11 KV Rowing feeder and for transmission charge for power supply to Arunachal Pradesh through 33KV/11KV lines of Assam.***

As per minutes of 36<sup>th</sup>, 37<sup>th</sup>, 38<sup>th</sup> and 39<sup>th</sup> CCC meeting of NERPC and Arunachal Pradesh's revised methodology for regularization of energy accounting of 11 KV Rowing (Santipur) feeder for the period from Feb'10 to June'11, NERPC had certified the monthly UI rates. Accordingly, a bill was

raised to Dept. of Power, Govt. of Arunachal Pradesh on 22.10.2020 for the settlement of meter reading of 11 KV Rowing feeder for Rs. 21,80,519.00 for total energy of 740741 KWh at avg UI rate of 294.37 paisa/unit.

As per the minutes of 36<sup>th</sup> and 37<sup>th</sup> CCC meeting of NERPC, NERPC has certified the transmission charges to be paid by Arunachal Pradesh to APDCL, Assam for power supply to Arunachal Pradesh through 33KV/ 11KV lines of Assam for the period from Aug'18 to Mar'20. Accordingly, APDCL has raised a bill to DoP, GoAP on 17.2.2021 for Rs. 4,70,89,204.90.

Agenda regarding the payment due of DoP, GoAP of these two bills was placed on the 41<sup>st</sup> CCM of NERPC held on 05.03.2021 where representative from DoP, GoAP acknowledged the receipt of the bills and informed that payment was under process and it would be paid shortly. But the above bills are yet to be paid by DoP, GoAP. As such, this is for deliberation of the forum with a request to the DoP, Govt of Arunachal Power for early settlement of the dues.

#### **Deliberation of the Sub-committee**

SE (Commercial), DoP Arunachal Pradesh informed that there has been some delay in processing of the bills as the bills raised by APDCL was sent to Transmission Division and not to Commercial Division of DoP, Arunachal Pradesh.

AGM (TRC), APDCL confirmed that there was mis-communication which has now been rectified.

Ar. Pradesh informed that the payment will be made as soon as possible.

***The Sub-committee noted as above.***

***Action: APDCL & DoP, Ar. Pradesh***

#### **7. AGENDA ITEMS FROM NERLDC**

##### **7.1 *Deviation Pool Account outstanding: -***

Status of Deviation charges outstanding as on 30/11/2021 is attached (**Annexure-7.1**).

Manipur is the major defaulter. Manipur – Net O/s Payable to Pool is ₹ 3.12 Crores [Deviation Principal, ₹ 2.45 Crores + Deviation Interest, ₹ 0.67 Crores].

Clearance of O/s payable had been regularly followed up. 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.

**Deliberation of the Sub-committee**

MSPDCL informed that they will clear the outstanding due (principle & interest part) by the end of December, 2021.

***The Sub-committee noted as above.***

***Action: MSPDCL***

**7.2 Deviation Interest outstanding: -**

NERLDC has issued Deviation Interest Statements for 2nd Half of FY 2020-21 on 27/08/2021.

Following are the regional entities who are yet to clear Interest payable dues as on 30/11/2021:

<b>Regional Entity</b>	<b>Net Interest Payable (in ₹)</b>
Ar. Pradesh	117670
Manipur	6737645
NTPC	3391

Ar. Pradesh, Manipur & NTPC are requested to take immediate necessary action in this regard.

**Deliberation of the Sub-Committee**

All the concerned entities agreed to pay the interest payable to pool by the end of December, 2021.

***The Sub-committee noted as above.***

***Action: All concerned utilities***

**7.3 Reactive charges outstanding: -**

Status of Reactive charges outstanding as on 30/11/2021 is attached **(Annexure-7.3)**.

O/s Payable to Reactive Pool by Manipur - ₹ 1.13 Lakhs. As per 42<sup>nd</sup> CCM Minutes, Manipur assured to clear their long pending outstanding within a week, but they are yet to clear the dues. Manipur is 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.

**Deliberation of the Sub-committee**

All the concerned entities agreed to clear the outstanding due at the earliest.

***The Sub-committee noted as above.***

***Action: All concerned utilities***

**7.4 Signing of DSM & Reactive Reconciliation Statements: -**

Status of signing of Reconciliation statement of DSM & Reactive as on 30/11/2021 is attached as **Annexure-7.4**.

1. Pending DSM reconciliation with - Loktak (3 Quarters), Manipur & OTPC (2 Quarters).
2. Pending Reactive reconciliation with - Manipur (2 Quarters).

Loktak, Manipur & OTPC are requested for signing of the reconciliation statements.

**Deliberation of the Sub-committee**

NERLDC informed that non-signing of reconciliation statement within one month is considered as deemed reconciled as per the decision of the earlier CCM, however, it is requested to reconcile as reconciling of the transactions help in efficient settlement of the accounts.

Member Secretary, NERPC requested all the pool members to sign the pending reconciliation statements at the earliest for the settlement of accounts in efficient and transparent manner.

All pool members agreed to sign the reconciliation statements in timely manner.

***The Sub-committee noted as above.***

***Action: All concerned utilities***

**7.5 Opening of LC against Deviation Charges Liability: -**

As per DSM charges and related matters Regulations, 2014 of CERC, following are the LC amounts pertaining to NER entities mentioned below (Refer **Annexure-7.5**): -

Constituents	LC to be opened in FY 21-22 ₹ (in Lakhs)	Present Status
Ar. Pradesh	78.03	LC of ₹ 182.36 Lakhs, valid till 31/03/2022
Assam	203.29	LC opening initiated from Assam end
Manipur	22.20	LC Not opened/Not intimated
Meghalaya	84.90	Sufficient amount retained in Pool
Mizoram	26.30	LC of ₹ 16.08 Lakhs, valid till 04/05/2022, to be enhanced
Nagaland	11.80	LC of ₹ 91.77 Lakhs, valid till 20/03/2022
Tripura	144.02	LC of ₹ 144.00 Lakhs, valid till 18/11/2022

It is requested to open LC to adhere to CERC stipulation.

**Deliberation of the Sub-Committee**

NERLDC representative informed that LC from Assam has been received. He requested Manipur to open the LC and Mizoram to enhance the LC amount as given in the agenda with calculation details attached as **Annex-7.5**. He



further informed that NERLDC has also sent letters regarding LC as advised in 42<sup>nd</sup> CCM.

Manipur & Mizoram were advised to take necessary action at the earliest to adhere to the regulatory provisions.

*The Sub-committee noted as above.*

**Action: MSPDCL & P&E Dept., Mizoram**

**7.6 NERLDC Fees & Charges Bank Account details: -**

From 01/09/2021 onwards NERLDC is raising the monthly NERLDC Fees & Charges bills through online software. Module for Downloading of bills & payment etc are available on user login. Almost all users are making payments in the bank details mentioned in the bills. The details of both the banks are mentioned once again:

**1st Bank Account Details:**

Account Name: POSOCO-RLDC Fees and Charges Account

Bank Name: ICICI BANK LTD

Account Number: 000705051613

RTGS / IFS Code: ICIC0000007

**2nd Bank Account Details:**

Account Name: POSOCO-RLDC Fees And Charges Account

Bank Name: STATE BANK OF INDIA

Account Number: 40232781809

RTGS / IFS Code: SBIN0004688

POSOCO Pan No: AAFCP2086B

POSOCO Tan No: SHLP01922E

NERLDC GSTIN: 17AAFCP2086B1ZN

SAC: 996911

All users are requested to make the payment against NERLDC Fees & Charges billing in any one of the bank accounts mentioned above.

It is also requested to enter the payment details in the NERLDC fees & Charges portal immediately after making payment against any bills through user login.

**Deliberation of the Sub-committee**

NERLDC informed that new Fees & Charges software had been developed on pan India basis for ease of doing payment, reconciliation, registration etc. of NERLDC fees & charges from Sept'21 and also as per the direction of (Fees and Charges of Regional Load Despatch Centre and other related matters) Regulations, 2019. Details regarding new software had been already intimated and most of the users are availing the facility. The details of new bank accounts of Fees and Charges (one in ICICI Bank and one in SBI Bank) which were already shared with the users are being provided here for the record of the forum.

***The Sub-committee noted as above.***

**7.7 Non-payment of NERLDC fees and charges bills: -**

Although we were receiving payments against NERLDC Fees & Charges billing from our all-registered users regularly, but from last few months we are not receiving any payment against NERLDC Fees & Charges billing from P&E Department, Mizoram.

The status of latest outstanding is as below:

<b>Name of User</b>	<b>Total Outstanding</b>	<b>Outstanding more than 45 Days</b>	<b>Remarks</b>
P & E Dept., MIZORAM	₹25,82,129	₹17,90,953	From Jul'21 bill-payment is due

Mizoram may liquidate outstanding dues at the earliest.

**Deliberation of the Sub-committee**

Mizoram was requested to clear their outstanding dues at the earliest.

*The Sub-committee noted as above.*

*Action: P&E Dept., Mizoram.*

**7.8 Signing of F&C Reconciliation Statement: -**

NERLDC Fees & Charges reconciliation statement for Q-II for the FY 2021-22 have been issued on 21/10/2021 which is available in NERLDC website also.

The signed Reconciliation statements yet to be received from:

ENICL, MSPDCL-Manipur, NER-II Ltd, NETC Ltd, NHPC-Loktak & OTPC Ltd

Requested to sign NERLDC Fees & Charges reconciliation statements at the earliest.

**Deliberation of the Sub-committee**

Users who have not yet signed the reconciliation statements were requested to sign the same at the earliest.

*The Sub-committee noted as above.*

*Action: All concerned utilities*

**7.9 Timely Submission of RPO/HPO Compliance details of Obligated Entities of States: -**

The matter of monitoring of RPO/HPO compliance has taken a high priority and regularly monitored by the MoP and MNRE. The details of RPO/HPO compliances by obligated entities of States need to be submitted to MOP and MNRE on timely basis. So, all states are requested to compile data related to RPO /HPO of obligated entities in their state on quarterly basis and send to POSOCO within one month after end of the quarter.

The details of Quarter I and Quarter-II of FY 2021-22 of Assam, Manipur, Mizoram, Nagaland has been received.

Arunachal Pradesh, Meghalaya and Tripura are requested to send the compliance details of Quarter-I and Quarter-II of FY 2021-22 at the earliest.

**Deliberation of the Sub-committee**

Manager (MO), NERLDC informed the forum that recently POSOCO has been assigned the role of RPO and HPO monitoring. He further added that these details need to be submitted to MOP/MNRE in a time bound manner.

Details from Arunachal Pradesh and Meghalaya for Q1 and Q2 of FY 2021-22 does not contain HPO compliance status and hence need to be re-submitted. Tripura is requested to provide the reports for Q-1 & Q-2 at the earliest.

Member Secretary, NERPC suggested that NERLDC may take up the matter in OCC forum also for rigorous and effective monitoring of the RPO/HPO compliance details.

***The Sub-committee noted as above.***

***Action: All concerned utilities, NERLDC & NERPC***

***7.10 Commencement of Registration with National Open Access Registry (NOAR) platform for Open Access in Inter-State Transmission System: -***

The registration module of National Open Access Registry has been commenced from 1st November 2021. All SLDCs are requested to coordinate with embedded entities of states along with DISCOM to get registered in NOAR portal to avail Short Term Open Access in Interstate Transmission System.

Also, all Generating stations who will be availing STOA in Interstate Transmission System may also get registered in NOAR portal.

**Deliberation of the Sub-committee**

NERLDC requested all the SLDCs to coordinate with embedded entities of states along with DISCOM to get registered in NOAR portal to avail Short Term Open Access in Interstate Transmission System. Manager, NERLDC informed that many entities from Assam and Meghalaya has already initiated the registration process. He further requested that all Generating stations who will be availing STOA in Interstate Transmission System may also get

registered in NOAR portal. He further requested SLDCs to communicate with them directly in case of any issues during registration.

***The Sub-committee noted as above.***

***Action: All concerned utilities/SLDCs.***

***7.11 Installation/replacement of SEM and distribution of DCD: -***

Refer 42<sup>nd</sup> CCM agenda 6.8 and subsequent discussions of OCC forum. 50 nos of SEMs and 20 nos DCD had been procured for 2<sup>nd</sup> phase on installation/replacement and distribution as per the priority list submitted in OCCM. The task had been almost completed and the detail list as per the record of NERLDC is submitted as **(Annexure-7.11)** for record.

**Deliberation of the Sub-committee**

No observation has been raised from the members and ***the sub-committee noted as detail attached at Annex-7.11.***

***7.12 Procurement of SEM & DCD for future requirements: -***

Refer 42<sup>nd</sup> CCM agenda 6.9 and subsequent discussions of OCC forum. 125 nos. SEMs and 15 nos. DCD delivered at Misa s/s of POWERGRID. As intimated in 184<sup>th</sup> OCCM, 128 nos of SEM and 16 nos of DCD available with NERTS. List of installation/replacement of SEM and distribution of DCD will be provided in next OCCM for discussion & finalization.

NERTS informed in 184<sup>th</sup> OCCM that for further procurement of SEMs and DCD, they will be needed necessary direction from CTUIL. Hence the new requirement has to be submitted to CTUIL for the additional 40 nos of DCD procurement. Forum may discuss for the proper procedure for future procurements.

**Deliberation of the Sub-committee**

NERLDC informed that OCCM has decided that the procurement will be done by NERTS on single tender basis from MS Schneider Electric India Pvt Ltd (earlier MS L&T).

The CC forum endorsed the decision of the OCCM.

*The Sub-committee noted as above.*

**Action: NERTS.**

**7.13 Regarding Non-receipt of SEM data from Motanga (Bhutan) end of 132kV Rangia line: -**

NERLDC has not received SEM data from Motanga (Bhutan) end of 132kV Rangia line since the beginning of Covid-19 pandemic. As intimated by Rangia NERTS office, they are unable to get Motanga data due to entry restriction by Bhutan. This line is trans-national line and energy accounting is of utmost important and availability of both side SEM data is vital.

NERLDC request NERPC to take up the matter with ERPC for an appropriate solution.

**Deliberation of the Sub-committee**

NERLDC informed that in the sub-committee meeting among Bhutan and India on Operation, Scheduling and Protection held on 13<sup>th</sup> Dec 2021 through Webex mode, Bhutan had agreed to send their end SEM data, if necessary equipment and assistance are provided to BPC (Bhutan) from India side for data downloading and sending to NERLDC/ERLDC.

The CC forum advised NERLDC, NERTS & Bhutan to coordinate among them and take all necessary action to get the SEM data of Motonga end at the earliest.

*The Sub-committee noted as above.*

**Action: NERTS & NERLDC.**

**8. AGENDA ITEMS FROM OTPC****8.1 *Outstanding Dues of OTPC against NER beneficiaries.***

The current total outstanding dues of OTPC against the NER beneficiary states (as on 06-12-2021) are as under:

(Amount in Rs Crores)

<b>Sl. No.</b>	<b>Beneficiary</b>	<b>Outstanding Dues (&gt;45 Days)</b>	<b>Total Outstanding</b>
1	Ar. Pradesh	0	3.61
2	Assam	0	40.48
3	Manipur	25.72	40.60
4	Meghalaya	0	13.03
5	Mizoram	15.58	23.35
6	Nagaland	0	4.43
7	Tripura	51.32	119.57
	<b>Total</b>	<b>92.62</b>	<b>245.10</b>

The total outstanding dues as on 06-12-2021 are Rs 245.10 Crores out of which outstanding beyond 45 days is Rs 92.62 Crores. The outstanding dues of Tripura, Manipur and Mizoram have accumulated to concerning levels. The auditors have been regularly reflecting the issue of outstanding dues especially of Tripura and Manipur as a special concern in our Board Meetings. Tripura, Manipur and Mizoram are hence requested to clear at least the outstanding dues over 45 days, at the earliest. The forum is also requested to impress the urgency of the liquidation of dues in view of MoP guidelines for encashment of LC and non-scheduling of power by RLDCs.

**Deliberation of the Sub-committee**

OTPC representative requested the concerned States to clear their respective dues to avoid LC encashment.

Senior Manager, TSECL informed that outstanding dues will be cleared by January, 2022.

MSPDCL also informed that the outstanding would be clear soon.

*The Sub-committee noted as above.*

*Action: All concerned utilities.*

### **8.2 DSM Settlement - Providing Details for Period of Receivables/ Payables at NERLDC/POSOCO Website and in Bank Transaction details**

NERLDC/POSOCO has been providing the DSM settlement details on its website at the DSM Settlement link. However, the details provide the Settlement Details (amount Receivable or Payable from Pool) and the previous Outstanding Payable/Receivable by an entity. It is difficult to understand from DSM Settlement Sheet that to which period is the settlement amount applicable. It is therefore requested to NERLDC/POSOCO to also include in the Settlement Sheet:

- a. The details of the period to which such Payable or Receivable amount caters to and
- b. Link the calculations of Outstanding Payable/Receivable and Settlement details, for easy comprehension of all entities
- c. If possible, include the concerned period in payment details provided to bank while making the payment, so that entities need not refer the sheet to find the concerned period for the payment received.

### **Deliberation of the Sub-committee**

NERLDC clarified that the settlements are done on the basis of outstanding due as decided in 39<sup>th</sup> CCM either through adjusting net receivable/ payable on the day of issue of statements/ revisions or through disbursement to receivable entities proportionately within two working days of receipt of payment. The proportion is made on net outstanding receivable due basis not on weekly outstanding receivable due basis. Details of weekly payable/receivable as per the statement and details of paid/ received/ adjustment from statements are uploaded after every settlement with settlement no. By downloading the settlement details, the pool member will be able to calculate all details thereof whatever is required.



Director (Comm), NERPC suggested that all the members may directly communicate with NERLDC for any clarification on settlement issues.

***The Sub-committee noted as above.***

***Action: All concerned utilities & NERLDC***

## **9. AGENDA ITEMS FROM TSECL**

### **9.1 *Outstanding dues of Manipur/ Mizoram***

**Manipur:** As on date, an amount of Rs 21.20 crores is outstanding. Therefore, Manipur is requested to ensure monthly payment to avail rebate as well as to avoid surcharge. Manipur is requested for opening of LC as per PPA.

**Mizoram:** As on date, an amount of Rs 10.93 crores is outstanding. Therefore, Mizoram is requested to ensure monthly payment to avail rebate as well as to avoid surcharge.

### **Deliberation of the Sub-committee**

MSPDCL informed that they will clear the dues shortly.

Both Manipur and Mizoram were requested to ensure timely payment of bills of TSECL.

***The Sub-committee noted as above.***

***Action: MSPDCL & P&E Dept., Mizoram.***

## **10. AGENDA ITEMS FROM NETC**

### **10.1 *Installation of TLSA in 400kV D/C Palatana Transmission System:***

Major portion of the 400 kV Silchar-Byrnihat-Azara line is traversing through the State of Meghalaya which falls under high isokeraunic level and also the soil is found to be of very high resistive in nature. Due to such high isokeraunic level, repeatedly lightning strikes with heavy intensity occurs during thunderstorm due to which both these circuits have experienced excessive tripping(s) since commissioning. To reduce such type of tripping(s),

NETC has taken up no. of innovative measures to reduce the Tower Footing Resistances (TFR) such as Tower Shield Earthing, Bentonite treatment, Marconite treatment etc. and by which could be able to reduce the tower footing resistances (TFR) significantly i.e., below 10 ohms. However, it is observed that during monsoon, these lines are still getting tripped due to lightning strikes in the stretches where the tower footing resistances are quite low. On the basis of further study and field experience it is felt that, such tripping(s) are taking place because of lightning with very high intensity. Considering the situation, to avert such happenings in future NETC, had proposed in 183<sup>rd</sup> OCCM for installation of Transmission Line Surge Arrestors (TLSA) in the identified stretches of the subject Transmission Line on experimental basis. On fixing these TLSAs the performance shall be monitored very stringently for further future use of the TLSAs.

Accordingly, 2(two) critical stretches involving 22 no. towers in Silchar – Byrnihat – Azara line have been identified for fixing the TLSAs. Further, during the last few years number of lightning strikes in a particular stretch in Byrnihat–Bongaigaon line section causing number of line outages has also been observed. Considering the same 1(one) more critical stretch involving 08 no. towers in Byrnihat – Bongaigaon line has also been identified for fixing the TLSAs.

PGCIL had already installed 400 kV TLSAs in few of their lines. Accordingly, the matter was discussed with their Asset Management Department, CC, Gurgaon and obtained confirmation regarding much improvement in the performance of those lines. As per the latest LoA placed by PGCIL in March'2020 for "Supply & Supervision of Installation & Commissioning of TLSAs in their 400kV Rourkela-Sundargarh-Raigarh Transmission Line" the financial involvement for fixing TLSAs in 30 nos. (22 + 8) towers (04 no. TLSAs per tower) comes to around Rs. 200 Lakhs.

Simultaneously, NETC being a very small Entity, it was requested the 183<sup>rd</sup> OCCM forum to recommend the capitalisation of such heavy expenditure through PoC mechanism. This issue was also highlighted / discussed in various forum of NERPC including the 2<sup>nd</sup> Meeting of NERPC(TP), 21<sup>st</sup> TCCM

& 21st NERPC Meetings. In the 168th OCCM, the NERLDC had recommended for installation of TLSA in these lines of NETC.

The 183rd OCC forum had recommended the proposal to be put up in the ensuing CCM/TCC / Board Meeting for final approval.

For consideration of the petition submitted by NETC for the subject work by CERC, clearances of CCM, PCC & RPC are invariably required. Hence, this proposal is submitted to Commercial Committee forum for kind deliberation and clearance.

**Deliberation of the Sub-committee**

After detailed deliberation, CC forum endorsed NETC's proposal for installation of TLSA in 400kV D/C Palatana Transmission System & requested NERPC to put up to next TCC/RPC Meeting.

***The Sub-committee noted as above.***

***Action: NERPC***

<b>A N Y O T H E R I T E M S</b>
----------------------------------

***11.1 Joint Inspection of all the existing interstate points of power transaction between Assam and Ar. Pradesh at 33/11 kV level:***

**Deliberation of the Sub-committee**

Director (Commercial), NERPC requested APDCL and Ar. Pradesh to furnish the inspection report to NERPC Secretariat for all the interstate points between Assam and Arunachal Pradesh as decided in the last special meeting held on 25/06/2021. He added that the inspection report of only Bhalukpong feeder has been received by NERPC Secretariat.

APDCL and DoP, Ar. Pradesh informed that the inspection report covering all other points would be submitted soon.

***The Sub-committee noted as above.***

***Action: APDCL & DoP, Ar. Pradesh.***

### **11.2 Allocation of remaining 5 MW of 135 MW AGTCCPP of NEEPCO:**

#### **Deliberation of the Sub-committee**

Member Secretary NERPC informed the forum that vide MoP Order dated 25<sup>th</sup> February, 2016 the allocation to beneficiary States from AGTCCP has been clearly mentioned as 130MW and not in percentage. However, CERC has allowed 135MW after PG test confirmation for the tariff calculation. He also informed that CEA has recorded the Installed Capacity and allocation from AGTCCP as 135 MW. He requested the forum to deliberate.

After detailed deliberation, beneficiaries requested NERPC to take up the matter with CEA/MoP to get the revised allocation order for 135MW. Till then the status quo will be maintained.

***The Sub-committee noted as above.***

***Action: NERPC.***

### **11.3 Guwahati Islanding Scheme:**

#### **Deliberation of the Sub-Committee**

Deputy Director, NERPC briefed the forum about the Islanding Scheme designed for Guwahati City. In the presentation (ppt attached as **Annexure 11.3**), he highlighted the modified logic with respect to the number of BGTPP units to be considered for the Islanding Scheme.

The forum noted the logic and appreciated the efforts by NERPC.

<b>DATE AND VENUE OF NEXT COMMERCIAL COMMITTEE MEETING</b>
--

#### **Deliberation of the Sub-committee**

The sub-committee requested NHPC Ltd to host the next i.e. 44<sup>th</sup> Commercial Coordination Sub-committee meeting. NHPC agreed to host the meeting. The 44<sup>th</sup> CCM will be held in the month of Feb/Mar 2022. The date and venue will be intimated separately.

\*\*\*\*\*

## List of Participants in the 43rd CCM held on 17th December 2021

S.No	Name of Delegates	Designation	Contact No	Email
1	Sh. Michi Tara	SE (Comml), DoP Ar. Pr.	8258003829	michitara32@gmail.com
2	Sh. Rajesh Sharma	JE (Comml), DoP Ar. Pr.	9436058725	rajeshidn@gmail.com
3	Sh. D. Das	CGM, APDCL		
4	Sh. N. R. Kakati	GM, APDCL		
5	Sh. Indrajit Tahbildar	AGM (TRC), APDCL	8761049486	indra.nits@gmail.com
6	Sh. Paban Borah	CGM (SLDC), AEGCL	8638174429	-
7	Smt. Lekha Bhuyan	GM (M&PR), AEGCL	9864025116	lekhabhuyan@gmail.com
8	Sh. Suresh Kaimal	DGM (F&A), AEGCL	9435114641	suresh11_k@rediffmail.com
9	Sh. R.Khaund	DGM, SLDC AEGCL	6901255808	rodalikhaund@gmail.com
10	Sh. Bimal Chandra Borah	OSD to CGM, SLDC, Assam	9435119248	bimalchandraborah@gmail.com
11	Sh. Anand Kumar	DM (MO), SLDC, Assam	7002350891	choudhuryanandkumar@gmail.com
12	Sh. Toushita Jigdung	AGM (MO), SLDC, Assam	9707134351	
13	Sh. Mangsatabam R.Singh	GM (Comml), MSPDCL	7005352476	rabimang@gmail.com
14	Sh. Thokchom S. Singh	DM (F&A), MSPDCL	8415945818	satya14may@gmail.com
15	Sh. B.Wankhar	SE, SLDC, Meghalaya	7005673697	sesldc.meptcl@gmail.com
16	Sh. D.J.Lyngdoh	EE (SM), SLDC, Meghalaya	9863063375	-
17	Sh. S. I. Asangba Tikhir	EE (Transmission & SLDC), DoP Nagaland	7085508502	asang.dcared@gmaill.com
18	Sh. David Tungoe	SDO (SLDC), DoP Nagaland	8787776157	
19	Sh. P. Tiakaba Yimchunger	JE (SLDC), DoP Nagaland	8974020151	tiaquenger@gmail.com
20	Sh. Rokobeito Iralu	SDO (Trans), Nagaland	9436832020	rokos_iralu@yahoo.in
21	Sh. Debabrata Pal	Sr.Manager (Comml.), TSECL	9436500244	d_pal1966@rediffmail.com
22	Sh. D. Choudhury	CGM (Comml), NEEPCO	9435339747	commercial@neepco.gov.in
23	Sh. Ripunjoy Bhuyan	GM (Comml.), NEEPCO	9435339747	
24	Sh. S. Deka	GM (Comml), NEEPCO	6003387235	commercial@neepco.gov.in
25	Sh. C. R. Das	GM (Comml.), NHPC	9599318483	crdas23@gmail.com
26	Sh. R.D.Shende	Sr. Manager (E), NHPC	9805005218	rajendradshende@gmail.com
27	Sh.G.C.Mohapatra	Addl GM (Comml.), NTPC	9437049372	gcmohapatra@ntpc.co.in
28	Sh. Arup Ch. Sarmah	GM (Comml), OTPC	9871839502	arup.sarmah@otpcindia.in
29	Sh. Amit Dabas	Sr.Mgr (Comml.), OTPC	9810552777	amit.dabas@otpcindia.in
30	Sh. Abhijit Daimari	Manager (Comml), NERTS	9485187441	a.daimari@powergrid.in
31	Sh. Zafrul Hasan	Sr. DGM (Comml), NERTS	9971399122	zhasan@powergrid.in
32	Sh. K. Sharma	GM (MO), NERLDC	9436302722	
33	Sh. Babul Roy	DGM (MO), NERLDC	9436335377	broy@posoco.in
34	Sh. M.P.Nath	Ch.Manager, NERLDC	9436335374	mpnath@posoco.in
35	Sh. Ankit Jain	Manager (MO), NERLDC	9436335381	ankitjain@posoco.in
36	Sh. H.L.Choudhary	Sr.VP (Comml.), PTC	9873352917	hlchoudhary@ptcindia.com
37	Sh. Anil R.Sah	DGM, NETC	9999055047	anilsah@netcindia.in
38	Sh. Ratan Singh Basnet	Dy.Mgr, NETC	8811072489	ratansinghasnet@netcindia.in
39	Sh. F. R. Laskar	Joint Secretary, DoP, Govt. of Assam		
40	Sh. B.Lyngkhai	Member Secretary , NERPC	-	ms-nerpc@gov.in
41	Sh. S. M. Aimol	Director (Comml), NERPC	8974002106	smaimol@gmail.com
42	Sh. Srijit Mukherjee	Dy. Director, NERPC	8794277306	nerpc@ymail.com
43	Sh. Shivam Chaturvedi	AE, NERPC	8077661727	shivamchaturvedi77@gmail.com

# Draft DSM Regulation, 2021

# Current DSM Regime

## ➤ For Buyer

- Under Drawl → Incentivized
- Over Drawl → Penalized

## ➤ For Seller

- Over Injection → Incentivized
- Under Injection → Penalized

## ➤ Deviation Rates are Frequency Dependent

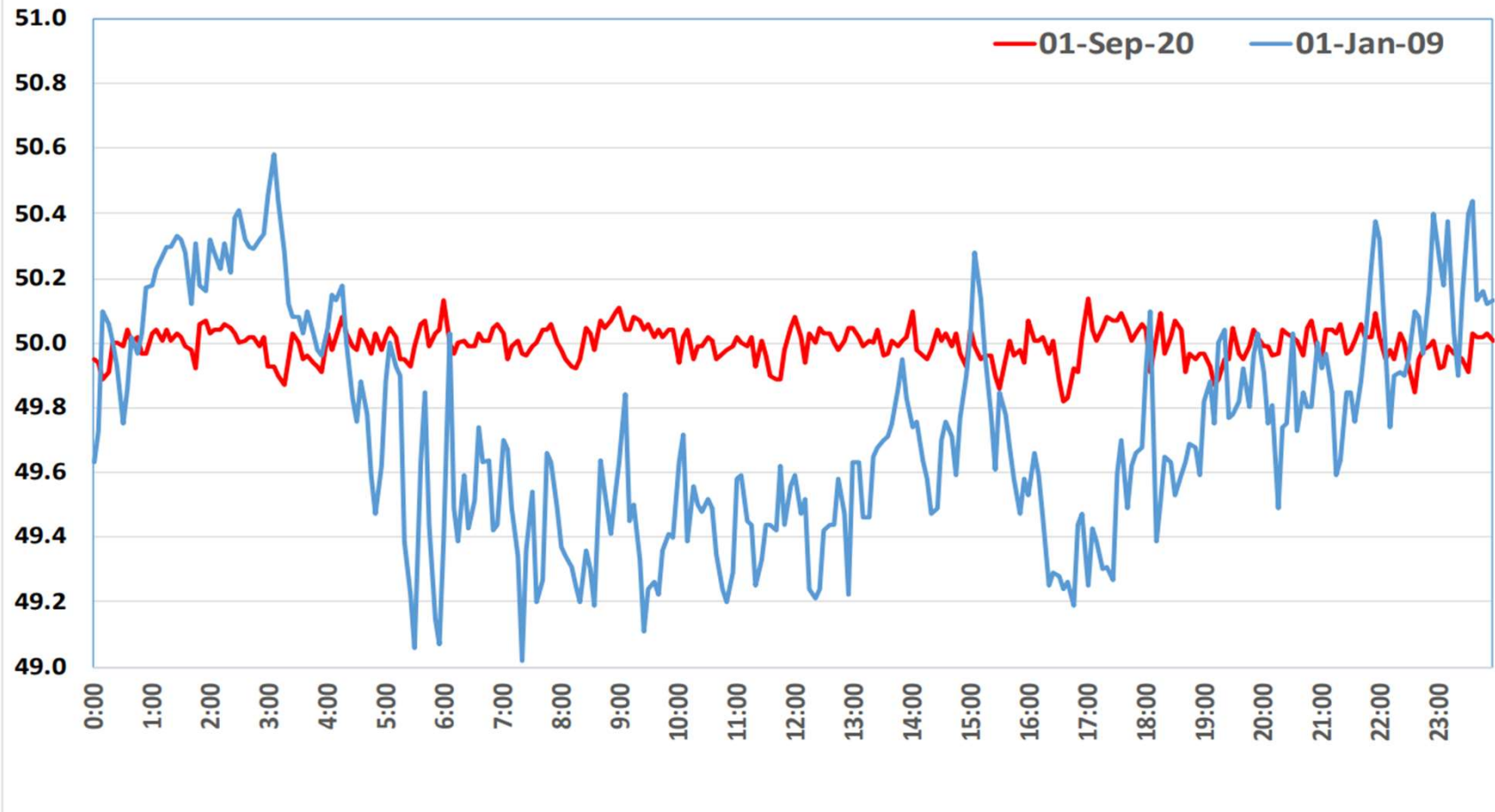
- Buyer under drawl at low frequency is better incentivized.

# Major Changes from Current Regime

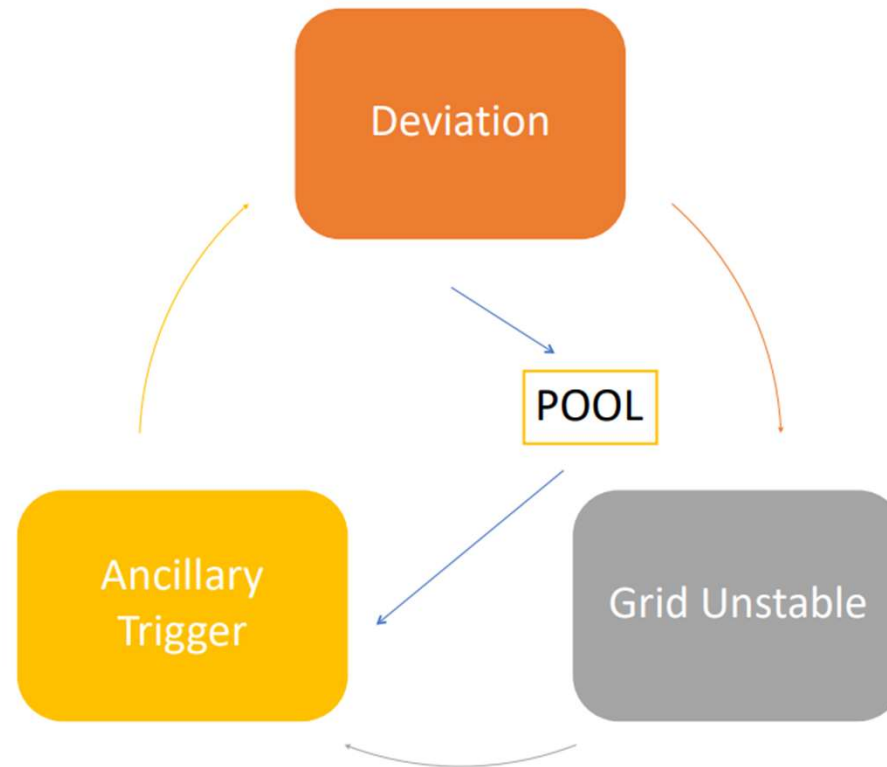
- Delinking of DSM Rates with Frequency
  - Improved Frequency Profile
  
  - Ancillary Services Regulations, 2016
    - Centralized Mode of frequency regulation
    - Present DSM is de-centralized mode of frequency regulation
    - Presence of both may be counter-productive
  
- Incentives to support the Grid to be withdrawn



Typical Day Frequency Profile in 2009 and 2020



# Draft DSM Regulation



# DEVIATION

- Deviation= [(Actual injection/drawal in MWh) – (Scheduled generation/ drawal in MWh)]

- For Seller 
$$Deviation \% = \frac{100 \times [(Actual\ injection\ in\ MWh) - (Scheduled\ generation\ in\ MWh)]}{[(Scheduled\ generation\ in\ MWh)]}$$

- For WS Seller 
$$Deviation \% = \frac{100 \times [(Actual\ injection\ in\ MWh) - (Scheduled\ generation\ in\ MWh)]}{[(Available\ Capacity)]}$$

- For Buyer 
$$Deviation \% = \frac{100 \times [(Actual\ drawal\ in\ MWh) - (Scheduled\ drawal\ in\ MWh)]}{[(Scheduled\ drawal\ in\ MWh)]}$$

# NORMAL RATE OF CHARGE OF DEVIATION

- Normal rate of Charges for Deviation for a time block shall be equal to the **Weighted Average Ancillary Service Charge (in paise/kWh)** computed based on the total quantum of Ancillary Services deployed and the total charges payable to the Ancillary Service Providers **for all the Regions** for that **time block**

- For a period of one year from the date of effect of these regulations:

Rate of Charges for Deviation will be Maximum of

(weighted average ACP of the DAM)

(weighted average ACP of the RTM)

(weighted Average Ancillary Service Charge)

- The normal rate of charges for deviation shall be rounded off to the nearest two decimal places

# CALCULATIONS OF CHARGES FOR DEVIATIONS

## BUYER

Type of Buyer	Under drawl	Over drawl
Buyer (Sched. > 400MW)	Zero	@Normal Rate till 12% or 150MW whichever is lower
		@1.1*Normal Rate beyond 12%
Buyer (Sched. Up to 400MW)	Zero	@Normal Rate till 12%
		@1.1*Normal Rate beyond 12%
RE Rich State	Zero	@Normal Rate till 12% or 250MW whichever is lower
		@1.1*Normal Rate beyond 12%

# CALCULATIONS OF CHARGES FOR DEVIATIONS

## SELLER

Type of Seller	Over - Injection	Under - Injection
General Seller	Zero till 2% of Deviation	@Normal Rate till 2%
	Beyond 2% @ 0.1*Normal Rate	@1.1*Normal Rate beyond 2%
RoR Generating Station	Zero	@Normal Rate till 12%
		@1.1*Normal Rate beyond 12%
Station based on Municipal Solid Waste	Zero	Zero till 20%
		@Normal Rate beyond 20%
WS Seller	Zero	Zero till 10%
		@0.1*Normal Rate beyond 10%

# CALCULATIONS OF CHARGES FOR DEVIATIONS

## OTHER CASES

Case	Charges
For infirm power	Zero
For start-up power drawal before COD or aux. power drawal during shutdown of a generator	@normal rate
For inter-regional & cross-border transactions (over-drawal/ under-injection)	@normal rate

# ACCOUNTING AND SETTLEMENT OF CHARGES

- Separate books to be maintained for principal component & interest component
- Disbursement from Pool only in case of SRAS up & TRAS up
- In case of deficiency in Deviation and Ancillary Service Pool Accounts of all other regions, payment of balance amount to be done via RLDC Fees & Charges
- Highest priority to Payment of Charges for Deviation
- Within 7 days from issue of statement of Charges for Deviation
- Late payment surcharge: @0.04% for each day of delay



पूर्वोत्तर क्षेत्र के वित्तीय वर्ष 2021-22 के विचलन बकाया की स्थिति (पिछले साल सहित)

Deviation Outstanding status of NER for FY-2021-22 (including Last years O/S)

घटक/Constituents	08-11-2021 तक		14-11-2021 तक		आज की तारीख में/As on 30-11-2021	Figs in Lacs		
	दोस्तल / TOTAL							
	Week no of NER-33 of FY 2021-22		भुगतान किया / Paid	प्राप्त / Received			O/S Payable to Pool	O/S Receivable from Pool
	पूल के लिए देय / Payable to Pool	पूल से प्राप्य / Receivable from Pool						
अरुणाचल प्रदेश / Ar. Pradesh	19163.21	5103.63	19006.26	5103.63	156.95	0.00		
असम / Assam	54585.94	466.31	54566.67	466.31	19.27	0.00		
मणिपुर / Manipur	4292.19	2696.81	4046.77	2696.81	245.42	43.64		
मेघालय / Meghalaya	4818.38	9103.65	4818.38	9103.65	0.00	0.00		
मिजोरम / Mizoram	6698.63	3140.01	6698.63	3140.01	0.00	0.00		
नागालैंड / Nagaland	8320.08	2145.99	8261.36	2145.99	58.72	0.00		
त्रिपुरा / Tripura	15184.86	8923.28	15184.86	8923.28	0.00	0.00		
लोकतक / Loktak	75.23	1030.29	75.23	1030.29	0.00	0.00		
नीपको / NEEPCo	3608.44	21496.16	3608.44	21496.16	0.00	0.00		
ई आर / ER	199325.75	484627.55	199325.75	484627.55	0.00	0.00		
ओटीपीसी / OTPC	2493.03	5952.61	2472.36	5952.61	20.67	0.00		
एनटीपीसी / NTPC	8389.92	4383.62	8353.67	4383.62	36.25	0.00		
एन आर / NR	464240.67	203383.30	461517.94	203383.30	2722.74	0.00		
बि.एन.सि / BNC	150.84	315.57	150.84	315.57	0.00	0.00		
दोस्तल / TOTAL	791347.17	752768.77	788087.15	752768.77	3260.01	0.00		

Annexure-7.3

REACTIVE POOL ACCOUNT DETAILS : 2021-22												Upto Week - 6		All figures in ₹	
Sl. No	States	Till Previous FY		CURRENT FY					Reactive Bill settlement status		Interest Bill settlement status		Reactive+Interest Settlement		
		Outstanding Payable (upto FY 20-21)	Outstanding Receivable (upto FY 20-21)	Payable to pool (2021-22)	Paid to pool (2021-22)	Receivable from pool (2021-22)	Received from pool (2021-22)	Outstanding Payable (upto FY 21-22)	Outstanding Receivable (upto FY 21-22)	O/S Reactive interest Payable till FY 20-21 2nd Half	O/S Reactive int. Receivable till FY 20-21 2nd Half	Net Outstanding Payable (upto FY 21-22)	Net Outstanding Receivable (upto FY 21-22)		
0	0	1	2	3	4	5	6	1	2	7	8	0	0		
1	Ar. Pradesh	137470	0	226253	363723	0	0	0	0	0	0	0	0		
2	Assam	1247085	0	2874779	4121863	0	0	1	0	0	0	1	0		
3	Manipur	137555	0	0	32968	32968	32968	104587	0	8226	0	112813	0		
4	Meghalaya	0	882198	0	0	3015332	3897529	0	1	33697	0	33696	0		
5	Mizoram	0	106749	0	0	294833	401582	0	0	1526	0	1526	0		
6	Nagaland	0	2758	48568	48568	29262	32020	0	0	3376	0	3376	0		
7	Tripura	0	231	661203	661203	0	231	0	0	278	0	278	0		
8	PSDF	0	530175	0	0	438408	863995	0	104588	0	47102	0	151690		
	TOTAL	1522110	1522110	3810803	5228325	3810803	5228325	104588	104588	47103	47102	151690	151690		

Annexure-7.4

**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	2	21-22	25-11-2021
2	Assam	Up to date	0	2	21-22	25-11-2021
3	Manipur	21-22(Q1,Q2)	2	4	20-21	07-06-2021
4	Meghalaya	Up to date	0	2	21-22	25-10-2021
5	Mizoram	Up to date	0	2	21-22	18-11-2021
6	Nagaland	Up to date	0	2	21-22	08-11-2021
7	Tripura	Up to date	0	2	21-22	29-11-2021
8	BNC	21-22(Q2)	1	1	21-22	13-08-2021
9	Loktak	20-21(Q4), 21-22(Q1,Q2)	3	3	20-21	15-04-2021
10	NEEPCo	Up to date	0	2	21-22	03-11-2021
11	OTPC	21-22(Q1,Q2)	2	4	20-21	23-06-2021
12	NTPC	21-22(Q2)	1	1	21-22	04-08-2021
			9			

**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	2	21-22	25-11-2021
2	Assam	Up to date	0	2	21-22	25-11-2021
3	Manipur	21-22(Q1,Q2)	2	4	20-21	07-06-2021
4	Meghalaya	Up to date	0	2	21-22	25-10-2021
5	Mizoram	Up to date	0	2	21-22	18-11-2021
6	Nagaland	Up to date	0	2	21-22	08-11-2021
7	Tripura	Up to date	0	2	21-22	29-11-2021
			2			

**Annexure-7.5**

<b>Case-I</b>				
<b>2020-21 : Letter of Credit (LC) Amount against DSM charges</b>				
<i>Figures in Rs.</i>				
Constituents	FY 20-21 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
AP	66054550	1270280	1397308	13.97
ASSAM	428038410	8231508	9054659	90.55
MANIPUR	30145186	579715	637687	6.38
MeECL	37646837	723978	796375	7.96
MIZORAM	18699967	359615	395576	3.96
NAGALAND	5587923	107460	118206	1.18
TRIPURA	61287976	1178615	1296476	12.96

<b>Case-II</b>						
<b>150% exceeded case of LC amount till Wk-52 of FY 2020-21</b>						
Constituents	150% of Case-I	Maximum (in a week) DSM liability of FY 20-21	Exceed of 150 % [where (B-A)>0]	Wk No of [B] where [C>0]	110% of B [where C>0]	LC to be open (in Lakhs) in FY 21-22
	A	B	C	D	E	F
AP	2095962	7093340	4997378	22	7802674	78.03
ASSAM	13581988	18480840	4898852	18	20328924	203.29
MANIPUR	956530	2018005	1061475	42	2219806	22.20
MeECL	1194563	7718609	6524046	45	8490470	84.90
MIZORAM	593364	2390705	1797341	38	2629776	26.30
NAGALAND	177309	1072403	895094	38	1179643	11.80
TRIPURA	1944715	13092953	11148238	14	14402248	144.02

**Annexure-7.11**

<b>List of 2nd Phase of Installation/replacement of SEMs</b>					
SL. NO	UTILITY NAME	LOCATION/ SUBSTATION	NEW METER NO	FEEDER NAME	REMARKS
1	ASSAM	SONABIL	NE-0035-A	SONABIL END OF 220 kV BALIPARA-1 FDR	Installed on 25.11.2021
2	ASSAM	HAFLONG	NE-0026-A	HAFLONG (AS) END OF HAFLONG PG	Installed on 27.06.2021
3	MIZORAM	ZUANGTUI	NE-0001-A	ZUANTUI END OF 132 kV MELRIAT	Installed on 05.11.2021
4	MIZORAM	LUNGMUAL	NE-0024-A	LUNGMUAL END OF 132 kV AIZAWL	
5	POWERGRID	NIRJULI	NE-0011-A	NIRJULI_PG TRF 1 HV SIDE	Installed on 18.08.2021
6	POWERGRID	NIRJULI	NE-0025-A	NIRJULI_PG TRF 2 HV SIDE	Installed on 20.08.2021
7	POWERGRID	MOKOKCHANG	NE-0012-A	MOKOCHANG(PG) END OF MOKOK(NL) FDR-1	Installed on 08.11.2021
8	POWERGRID	MOKOKCHANG	NE- 0021-A	MOKOCHANG(PG) END OF MOKOK(NL) FDR-2	
9	POWERGRID	SILCHAR	NE-0050-A	400/132 kV SILCHAR ICT-1 HV SIDE	Installed on 10.10.2021.
10	POWERGRID	SILCHAR	NE-0049-A	400/132 kV SILCHAR ICT-2 HV SIDE	
11	POWERGRID	SILCHAR	NE-0007-A	SILCHAR END OF 400 KV IMPHAL-1	
12	POWERGRID	SILCHAR	NE-0040-A	SILCHAR END OF 400 KV IMPHAL-2	
13	POWERGRID	SILCHAR	NE-0030-A	SILCHAR(PG) END OF 400kV PALATANA FDR -1	
14	POWERGRID	SILCHAR	NE-0042-A	SILCHAR(PG) END OF 400kV PALATANA FDR -2	
15	POWERGRID	MISA	NE-0022-A	MISA END OF 220kV MARIANI(PG) FDR	Installed on 08.11.2021
16	POWERGRID	MISA	NE-0006-A	MISA END OF 220kV DIMAPUR FDR -1	
17	POWERGRID	MISA	NE-0023-A	MISA END OF 220kV DIMAPUR FDR -2	
18	POWERGRID	MISA	NE-0004-A	MISA 400/220kV 315MVA ICT-I (LV SIDE)	
19	POWERGRID	MISA	NE-0008-A	MISA 400/220kV 315MVA ICT-II (LV SIDE)	
20	POWERGRID	MARIANI	NE -0046-A	MARIANI(PG) END OF 220 KV MOKOKCHANG-1	Installed on 10.10.2021
21	POWERGRID	MARIANI	NP -9911-A	MARIANI(PG) END OF 220 KV MOKOKCHANG-2	
22	POWERGRID	MARIANI	NE -0034-A	MARIANI(PG) END OF 220 KV KATHALGURI	Installed on 10.10.2021
23	POWERGRID	IMPHAL	NE-0048-A	IMPHAL TRF 1 FOR MANIPUR CONSUMPTION (HV SIDE)	Installed on 30.11.2021
24	POWERGRID	IMPHAL	NE-0018-A	IMPHAL TRF 2 FOR MANIPUR CONSUMPTION (HV SIDE)	Installed on 30.11.2021
25	OTPC	PALATANA		PALATANA ST-1	Ready and S/D will be availed for installation
26	OTPC	PALATANA		PALATANA ST-2	
27	OTPC	PALATANA		PALATANA END OF 400 KV SILCHAR-2 FEEDER	
28	OTPC	PALATANA		PALATANA GT-1	
29	POWERGRID	JIRIBAM		JIRIBAM_PG TRF FOR MANIPUR CONSUMPTION (HV SIDE)	Not completed due to CT issue
30	POWERGRID	MARIANI		MARIANI(PG) END OF 220kV MISA FDR	Line upgaraded to 400 kV

## List of 2nd Phase of distribution of DCDs

SL. NO	UTILITY NAME	LOCATION/ SUBSTATION	Status as on Date
1	ASSAM	DULLAVCHERA	Handed over
2	MEGHALAYA	BYRNIHAT	Handed over
3	ASSAM	UMRANGSOO (UMR)	Handed over
4	NAGALAND	SANIS	Handed over
5	MIZORAM	SIHMUI	Handed over
6	MANIPUR	THOUBAL	Handed over
7	MANIPUR	TIPAIMUKH	Handed over
1	ASSAM	TINSUKIA	To be handed over
2	Ar. PRADESH	TENGA	To be handed over
3	Ar. PRADESH	DEOMALI	To be handed over

# REVISED LOGIC & IMPLEMENTATION

GUWAHATI IS

## OLD LOGIC- Generation following load

- One dedicated unit of BgTPP for IS
- Super-critical & Critical load selected based on CEA SoP for Islanding Scheme- Generation 20% more than load – 189MW average load



## CHALLENGES IN THE OLD LOGIC

- BgTPP if more than one unit generating prior to Island formation then only tripping of one/two units can be done as ramping down of the units in milliseconds not possible.

## CHALLENGES IN THE OLD LOGIC

- As specifically one unit of BgTPP has been identified for the Islanding scheme, generation from the unit has to follow the load in the Super-critical and Critical feeders in real time. – *(i) Scheduling of the unit difficult, (ii) Ramp-up and Ramp down of thermal unit slow, (iii) If the Super-critical and critical load increases in future then additional generation will not be available.*

## REVISED LOGIC – Load following generation

- Based on real time generation in the Island group of feeders to be tripped in the Island.
- Normatively one out of three unit always tripped.
- Additional second unit tripped in cases when Karbi Langpi one unit maximum generation or full generation from Karbi Langpi HEP during off-peak hours

## KEY POINTS ADDRESSED

- All limitations of the old logic addressed
- Not only super-critical & critical load but also additional load can be supplied.

## CHALLENGES FOR THE NEW LOGIC

- Prior to island formation if BgTPP only one unit generating and no generation from Karbi Langpi HEP then logic will revert to OLD logic with all its inherent limitations

## COMMERCIAL IMPLICATIONS OF REVISED LOGIC

- At least two units of BgTPP has to generate at or greater than Technical Minimum prior to Island formation
- Schedule has to be given by all beneficiaries for TM  $125\text{MW} \times 2 = 250\text{MW}$  at all times for BgTPP