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/2018/354-394 Dated: 07.04.2022

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 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. 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, 10th Floor, SCOPE Minar, Laxmi Nagar, Delhi – 110092
21. ED, NERTS, PGCIL, Dongtieh-Lower Nongrah, Lapalang, Shillong -793 006
22. AGM (BD), NVVN, Core 5, 3rd floor, Scope Complex, 7 Institutional Area, Lodhi Rd., N. Delhi-3
23. Vice President, PTCIL, 2nd Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi – 110066
24. ED, NERLDC, Dongtieh-Lower Nongrah, Lapalang, Shillong -793 006
25. Chief Engineer, GM Division, CEA, Sewa Bhawan, R.K. Puram, New Delhi – 110066

Sub: Minutes of the 44th Commercial Sub-Committee Meeting held on 17th March 2022

Sir,

Please find enclosed herewith the minutes of the 44th Commercial Sub-Committee Meeting held on 17th March 2022 at Hotel Nandan, Guwahati for your kind information and further necessary action.

Encl.: As above

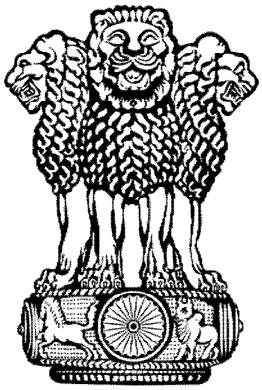
भवदीय / Yours faithfully,

(एस. एम. आइमोल / S. M. Aimol)
निदेशक / Director
अधीक्षण अभियंता / Superintending Engineer
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 2nd MR Gate, Imphal-01
3. SE (EM), MePDCL, Lumjingshai, Short Round Road, Shillong – 793 001
4. S.E. (Commercial), Department of Power, Govt. of Mizoram, Khatla, Aizawl – 796 001
5. A.C.E. (Gen & Trans), Department of Power, Govt. of Nagaland, Kohima – 797 001
6. AGM (C&SO), TSECL, Agartala – 799 001
7. Head of SLDC, Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
8. Head of SLDC, SLDC Complex, AEGCL, Kahilipara, Guwahati - 781019
9. Head of SLDC, MSPCL, Manipur, Imphal.
10. Head of SLDC, MePTCL, Lumjingshai, Short Round Road, Shillong – 793 001
11. Head of SLDC, Department of Power, Govt. of Mizoram, Aizawl – 796 001
12. Head of SLDC, Department of Power, Nagaland, Dimapur.
13. Head of SLDC, TSECL, Tripura, Agartala – 799 001
14. GM, Loktak HEP, NHPC Limited, Vidyut Vihar, Komkeirap, P.O. Loktak, Manipur – 795 124
15. AGM (Comml), NTPC Limited, 16th Rupalim Path, Rukhmini Nagar, Guwahati-781022
16. GM (Comml), OTPC, Core 4 & Central, 10th Floor, SCOPE Minar, Laxmi Nagar, Delhi – 110092
17. Head of the Plant, OTPC, Palatana, Kakraban, Gomati District, Tripura - 799116
18. MD, NETC, #2C, 3rd Floor, D-21, DMRC Building, Corporate Park, Sector-21, Dwarka, Delhi-77

(एस. एम. आइमोल / S. M. Aimol)
निदेशक / Director
अधीक्षण अभियंता / Superintending Engineer
वाणिज्य / Commercial



Minutes of 44th CCM

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

MINUTES OF THE 44th COMMERCIAL COORDINATION SUB-COMMITTEE MEETING OF NERPC

Date : 17/03/2022 (Thursday)

Time : 16:00 hrs

Venue : Hotel Nandan, Guwahati, Assam

The 44th Commercial Coordination Committee Meeting (CCM) was held on 17th March 2022 at Hotel Nandan, Guwahati, Assam. The list of participants in the 44th CCM is attached as **Annexure-A**.

Shri P. Yanthan, CE (T&G), Nagaland & TCC Chairman welcomed all the participants to the 44th Commercial Coordination Committee Meeting. He congratulated all the utilities for successfully managing and reducing their outstanding dues as compared to last year. He then encouraged the participants to raise their issues and wished for a fruitful deliberation.

Shri Nabarun Roy, ED, NERLDC in his opening remark, highlighted the importance of CC forum. He appreciated the spirit of consensus building with which the issues are resolved in the forum. He wished for a successful and productive 44th CC Meeting.

Shri B. Lyngkhoi, Member Secretary & Chairman, Commercial Coordination Committee extended warm welcome to all the participants in the 44th Commercial Coordination Committee Meeting. He hoped that the forum will resolve some of the long-standing commercial issues of the region and would be helpful in bringing consensus amongst all entities. He briefly discussed some of the issues pertaining to NER power sector such as need for Bus-Bar protection in many NER substations, Renovation and Upgradation works for NER substation, HTLS reconductoring for various feeders like 132kV Doyang-Mokokchung D/C line, adequate deployment of RTUs, etc. He informed that these issues are taken up in various NERPC forums. He then apprised the forum regarding Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2022. He highlighted that the new DSM regime calls for better deviation management by the States. He thus requested SLDCs to strengthen their

Market Operation team and put Regulatory Affairs wing in place which can guide them with the rules and regulations published by Hon'ble CERC from time to time.

On behalf of NERPC Secretariat, Shri S. M. Aimol, Director (Commercial), 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.

After this, the agenda items were taken up and the discussion & decision are as given below.

CONFIRMATION OF MINUTES

1. CONFIRMATION OF MINUTES OF THE 43RD COMMERCIAL SUB-COMMITTEE MEETING OF NERPC.

Minutes of the 43rd CC Meeting held on 17th December 2021 at Greenwood Resort, Khanapara, Assam was circulated vide no. No.: NERPC/COM/CC_Min/2018/2215-2257 dated 24th January 2022.

Deliberation of the Sub-Committee

As no observation has been received from constituents, the sub-committee confirmed the minutes of the 43rd CCM.

The Sub-committee noted as above.

ITEMS FOR DISCUSSION

2. AGENDA ITEMS FROM NERPC

2.1 *Recent CERC Regulations.*

The following CERC regulations/draft regulations are under consideration:

1. Central Electricity Regulatory Commission (Ancillary Services) Regulations, 2022.
2. Draft CERC Connectivity and GNA Regulations 2021.

Deliberation of the Sub-Committee

Director, NERPC briefly highlighted the latest CERC regulations/draft regulations. He informed the forum that the comments/observations from the workshop

conducted on 25th February 2022 on Draft CERC Connectivity and GNA Regulations 2021 has been submitted to Hon'ble CERC. He also informed that CERC (DSM and related matters) regulations 2022 has been issued recently and NERLDC will highlight the salient points of the regulations during the meeting. He also informed that Assam SLDC will share their experience with respect to the Market Operation (MO) wing and its benefit in their organization.

The Sub-committee noted as above.

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

APDCL and Ar. Pradesh are 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. The inspection report of only Bhalukpong feeder has been received by NERPC Secretariat so far.

APDCL and Ar. Pradesh are requested to update the status.

Deliberation of the Sub-Committee

APDCL informed that the joint inspection report concerning all the interstate points between Assam and Arunachal Pradesh have been mailed to NERPC Secretariat on 16th March 2022.

Director, NERPC acknowledged the receipt and requested both APDCL and DoP, Ar. Pradesh to resolve any issues amicably and take necessary follow-up actions based on the Joint Inspection Report.

Action: DoP, Ar. Pradesh & APDCL

2.3 *Consideration of Peak Season for Hydro Stations while calculation of Regional Transmission Deviation Account (RTDA).*

Clause No. 12 (1) (a) of Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations' 2020 states that, *"For a generating station, net metered ex-bus injection, in a time block in excess of the sum of Long-Term Access, Medium Term Open Access and Short-Term Open Access:*
Provided that for a hydro-generating station, overload capacity of 10% during peak season shall be taken into account."

However, the regulation does not define 'peak season'. The matter was discussed in the 3rd CERC-RPC Meeting held online on 17.11.2021. In the meeting, CERC advised that as in the case of declaration of peak demand season, same procedure may be followed in this case also.

Clause 5.2.h of IEGC states that, "The scheduling of hydro stations shall not be reduced during high inflow period to avoid spillage".

By examining the intent of the said clause (of sharing regulations 2019), read along with IEGC clause which allows scheduling of hydro plants beyond normative capacity only in case of spillage, it is proposed that 10% margin may be provided for hydro stations block wise for spillage cases in calculation of RTDA.

Implementation Procedure:

Plant Name	Ranganadi	Pare	Kameng	Doyang	Kopili	Kopili#2	Khangdong	Loktak
Normative DC at full IC (MW)	400.95	108.68	594	74.1	197.6	24.7	49.4	103.74

Whenever for a hydro plant, Schedule in a time block > Normative DC at full IC => Spillage condition => Overload capacity of 10% of IC will be allowed for RTDA calculation.

The methodology which was proposed by NERPC and RLDC was discussed thoroughly in the 187th OCCM of NERPC and the sub-committee endorsed the proposal and referred to CCM.

Deliberation of the Sub-Committee

DD, NERPC explained the proposed methodology to be used for the calculation of RTDA account. The CC forum agreed to the proposal and requested NERPC to issue the accounts as per the said methodology.

Action: NERPC

2.4 *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 monthly interstate meter readings furnished by APDCL for the period is provided below.

Month	Export (MWh) from ASSAM to AP	Import (MWh) To Assam from AP	Net Energy (MWh)
FY 2020-21			
Apr-20	4227.78	715.26	3512.52
May-20	5205.2	765.06	4440.14
Jun-20	6190.08	663.72	5526.36
Jul-20	6606.38	675.84	5930.54
Aug-20	6657.56	933.84	5723.72
Sep-20	6463.93	911.88	5552.05
Oct-20	6514.49	1043.1	5471.39
Nov-20	5423.3	922.8	4500.5
Dec-20	5668.63	1071.48	4597.15
Jan-21	6116.89	906.48	5210.41
Feb-21	5699.38	885.96	4813.42
Mar-21	5425.83	768.48	4657.35

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. 0.38/kWh for FY 2020-21.

Deliberation of the Sub-Committee

Representative of Arunachal Pradesh informed that the readings will be ratified by them after due consultation with Assam officials by 31st March 2022 as some discrepancies were observed by DoP, Arunachal Pradesh.

Member Secretary, NERPC impressed upon the forum the need for both the parties to be present for Joint Meter Reading. He concluded that both the stakeholders should schedule joint visits to the metering point in advance so that readings are not contested in future. He further observed that in case any one of the parties misses the scheduled inspection, it may not be allowed the chance to contest the recorded reading later. The forum agreed to the proposed mechanism and requested Arunachal Pradesh and Assam officials to follow the said mechanism.

Action: APDCL & DoP, Ar. Pradesh

3. AGENDA ITEMS FROM NEEPCO

3.1 *Outstanding dues of beneficiaries payable to NEEPCO as on 09.03.2022 are as follows:*

(INR in crores)

State	Principal dues (>45 days)	Late Payment Surcharge (LPS) Due	Total Due (Principal + LPS)	Amount yet to be due (< 45 days)
1	2	3	4=2+3	5
ASSAM	0.80	0	0.80	61.07
MIZORAM	12.63	0.05	12.68	27.95
MANIPUR	20.52	0.06	20.58	13.86
TRIPURA	173.36	0.13	173.49	68.75
Ar. PRADESH	0	0	0	4.50
NAGALAND	0	0	0	6.86
MEGHALAYA	0	0	0	14.67
CHHATTISGARH	0	0	0	1.95
HARYANA	0	0	0	1.95
UTTAR PRADESH	1.49	0	1.49	3.75
Total	**208.80**	**0.24**	**209.04**	**205.31**

The above statement reflects an alarming situation. Yet, it has to be appreciated that some states are paying regularly and some are trying hard to clear the dues.

Due to accrual of such outstanding dues, NEEPCO is facing difficulty to meet its day-to-day expenditure including fuel costs required for operating its thermal power stations. In the interest of extending better service to its beneficiaries, NEEPCO earnestly requests all the beneficiaries to make the payment on regular basis.

Deliberation of the Sub-Committee

CGM, NEEPCO appreciated the regular payments made by States like Assam, Arunachal Pradesh, Meghalaya and Nagaland. However, the outstanding dues accrued due to non-payment by states of Tripura and Manipur is a growing concern from NEEPCO.

The forum decided to take up the issue in the coming 22nd TCC/NERPC Meeting.

Action: NEEPCO & NERPC

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

Ref:

1. MoP, GoI order vide L/No. 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

CGM, NEEPCO highlighted that NEEPCO is not able to liquidate LC. Member Secretary stated that the CERC regulations and the MoP orders should be followed in letter and spirit by all concerned. He requested all concerned beneficiaries to validate/renew the LCs otherwise NEEPCO will have no option but to take necessary action which may result in disruption of power supply to the concerned States.

Action: Concerned Beneficiaries

3.3 *Renewal of PPA with Arunachal Pradesh for supply of power of 600 MW Kameng HEP:*

For renewal of the earlier PPA dated 21.05.2005 which expired on 20.05.20, NEEPCO has been in discussion with the Department of Power, Govt. of AP and the following issues are yet to be concluded:

i) The DoP, Govt of AP has been insisting for incorporation of a provision in the PPA that requires NEEPCO to purchase the unused portion of the free power allocated to the State. NEEPCO has explained that as per prevailing regulations, NEEPCO, being a generating company, is debarred from purchasing power for the purpose of sale. However, DoP, Govt, of AP continues to insist for inclusion of the above provision in the PPA.

ii) The DoP, Govt. of AP has proposed for 1% additional free power for Local Area Development Fund. Since, the Kameng HEP had been sanctioned before the Hydro Policy 2008, the 1% LADF is not applicable. Therefore, power allocation order from CEA was accordingly issued. It was also clarified by NEEPCO that it cannot deviate from the share allocation order issued by the Ministry of Power, GoI and NERPC.

iii) The DoP, Govt. of AP has also been insisting to include a provision for termination of the PPA any time with prior notice of 90 days. NEEPCO has responded with the clarifications that since PPAs are based on the share allocations issued by MoP / NERPC, this provision would be unnecessary. However, DoP, GoAP continues to insist for the same.

As a result, although all other provisions have been agreed upon, the PPA could not be finalized for renewal so far for want of consensus on the above-mentioned points.

Therefore, the above is placed for deliberation and decision in the house under the aegis and guidance of NERPC mainly for i) & ii) above, which involves conformity with prevalent regulations.

Deliberation of the Sub-Committee

CGM, NEEPCO explained that as per prevailing regulations, NEEPCO being a generating company, is debarred from purchasing power for the purpose of sale

and hence cannot purchase the unused portion of the free power allocated to the State. On the issue of 1% LADF, he clarified that since Kameng HEP had been sanctioned before the Hydro Policy 2008, the 1% LADF as proposed by Arunachal Pradesh is not applicable.

Member Secretary, NERPC stated that the proposal for 1% LADF allocation can be taken up by Ar. Pradesh with Government of India as the same is outside the ambit of the CC Forum.

The Sub-committee noted as above.

Action: NEEPCO & Ar. Pradesh

4. AGENDA ITEMS FROM NERTS

4.1 *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 10.03.2022 is detailed below: -

(All Figures in Rs Crores)

State/DIC	Outstanding more than 45 days	Total Outstanding dues	Remarks
MSPDCL (Manipur)	15.50	29.49	*Approx. 04 months receivables*
MeECL (Meghalaya)	8.30	25.50	*Approx. 03 months receivables*
TSECL (Tripura)	7.78	29.11	*Approx. 02 months receivables*
Mizoram	14.40	13.15	*Pertains to bilateral bills*
Arunachal Pradesh	-	10.00	*Approx. 01 month receivable*
MSPCL (Manipur)	1.45	1.64	*Approx. 14 months receivables*
NEEPCO	-	124.43	*Pertains to bilateral bills*
APDCL (Assam)	**-**	**-**	*No outstanding dues*
Nagaland	**-**	**-**	*No outstanding dues*

Concerned DICs with >45 days outstanding dues, viz. MSPDCL, MeECL, TSECL, Mizoram & 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.

Deliberation of the Sub-Committee

Manager (Commercial), NERTS thanked Assam, Ar. Pradesh and Nagaland for timely clearing of their dues. He further requested Manipur, Meghalaya and Tripura to clear their respective outstanding dues.

Action: All Concerned DICs

4.2 *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 (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 2021-22.

The status of LCs (as per above new requirement) of NER DICs as on 10.03.2022 is as follows: -

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

Deliberation of the Sub-Committee

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

Action: All Concerned DICs

5. AGENDA ITEMS FROM APDCL

5.1 *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:*

i) As per minutes of 36th, 37th, 38th and 39th 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.

ii) As per the minutes of 36th and 37th 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 41st 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. Again, in the 43rd CCM of NERPC held on 17.12.2021 also, the representative of DoP, GoAP informed that it would be paid as soon as possible. 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 Pradesh for the early settlement of the dues.

Deliberation of the Sub-Committee

Representative of APDCL informed the forum that Arunachal Pradesh has made the requisite payment in respect of meter reading issue of 11 KV Rowing feeder for regularisation of energy accounting.

He further informed that Arunachal Pradesh has also paid the transmission charges for power supply to Arunachal Pradesh through 33kV/11kV lines of Assam up to FY 2019-20.

The forum appreciated Arunachal Pradesh for clearing the above-mentioned outstanding dues which is as per the decision of the CC forum.

6. AGENDA ITEMS FROM OTPC

6.1 *Outstanding Dues of OTPC against NER beneficiaries:*

The current total outstanding dues of OTPC against the NER beneficiary states (as on 10-03-2022) are as under:

Sl. No.	Beneficiary	Outstanding Dues (>45 Days)	Total Outstanding
1	Manipur	32.70	47.64
2	Mizoram	6.76	15.40
3	Tripura	96.52	159.19
	Total	**135.98**	**222.23**

The total outstanding dues as on 10-02-2022 is Rs 222.23 Crores out of which outstanding beyond 45 days is Rs135.98 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 the outstanding dues over 45 days, as committed by them in previous CC meeting, 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/Regulation of power and non-scheduling of power by RLDCs.

Deliberation of the Sub-Committee

Representative of Tripura informed that the outstanding dues will be paid shortly.

Member Secretary, NERPC urged TSECL to resolve all their issues related to outstanding dues. He further informed that the same will be monitored by NERPC Secretariat.

Representative of Mizoram informed that around Rs 16 crore cheque is pending with Government of Mizoram and will soon be released by the government.

Action: All Concerned beneficiaries

7. AGENDA ITEMS FROM NERLDC

7.1 *Deviation Pool Account outstanding:*

Status of Deviation charges outstanding as on 07/03/2022 is attached **(Annexure-7.1).**

Manipur is the major defaulter. Manipur–Net O/s Payable to Pool is ₹ 3.68 Cr. [Deviation Principal, ₹ 2.98 Crores + Deviation Interest, ₹ 0.70Crores].
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

NERLDC requested Manipur for timely payment of their Deviation charges outstanding.

Action: MSPDCL

7.2 *Deviation Interest outstanding:*

NERLDC has issued Deviation Interest Statements for 1st Half of FY 2021-22 on 01/02/2022.

Following are the regional entities who are yet to clear Interest payable dues as on 07/03/2022:

Regional Entity	Net Interest Payable (in Rs.)
Manipur	7000862
Mizoram	1400369
Nagaland	39197
Tripura	925319
OTPC	8863
NTPC	21947

Deliberation of the Sub-Committee

NERLDC requested Manipur for timely payment of their Deviation Interest for 1st Half of FY 2021-22.

Action: MSPDCL

7.3 *Reactive charges outstanding:*

Status of Reactive charges outstanding as on 07/03/2022 is attached **(Anx. -7.3)**.

O/s Payable to Reactive Pool by Mizoram- ₹ 1.04 Lakhs.
O/s Payable to Reactive Pool by Manipur - ₹ 0.83 Lakhs.
O/s Payable to Reactive Pool by Nagaland - ₹ 0.76 Lakhs.

Mizoram, Manipur and Nagaland 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.

Deliberation of the Sub-Committee

NERLDC requested all the concerned utilities to pay their dues within the stipulated time.

Action: All concerned utilities

7.4 *Signing of DSM & Reactive Reconciliation Statements:*

Status of signing of Reconciliation statement of DSM & Reactive as on 10/03/2022 is attached in (**Annexure-7.4)**.

1. Pending DSM reconciliation with - Loktak (4 Quarters), Manipur (3 Quarters), NTPC (2 Quarters), NEEPCO, Nagaland & Assam (1 Quarter).

2. Pending Reactive reconciliation with - Manipur (3 Quarters) & Nagaland (1 Quarter).

Loktak, Manipur, NTPC, NEEPCO, Nagaland & Assam 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, 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.

Action: All concerned pool members

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**:** -

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 of ₹ 203.29 Lakhs, valid till 01/12/2022
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 requested all the concerned utilities to open/maintain LCs as per CERC (DSM charges and related matters) Regulations, 2014.

Action: All Concerned Utilities

7.6 *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 payment against NERLDC Fees & Charges billing from P&E Department, Mizoram on time.

The status of latest outstanding is as below:

Sl	Bill Description	Bill Date	Bill No	Amount (₹)	Remarks
1	Previous outstanding			-29949.00	
2	PLI Bill for the FY 2019-20	20-Sep-21	NER/2019-20/0016	634137.00	Outstanding more than 45 Days
3	Late Payment Surcharge Bill	31-Jan-22	NERLDC/MO/501/504	42194.00	
4	Monthly bill for Jan' 22	1-Feb-22	NER/2021-22/0160	395588.00	
5	Monthly bill for Feb' 22	1-Mar-22	NER/2021-22/0178	392587.00	
	Total			**1434557.00**	

It is to be mentioned that the PLI Bill for ₹6,34,137/- which was raised on 20/09/2021 has crossed more than five months and it has attracted Late payment surcharge as per Fees & Charges regulation due to delay in payment.

Mizoram may liquidate outstanding dues at the earliest to avoid further accumulation of late payment surcharge due to delay in payment.

Deliberation of the Sub-Committee

NERLDC requested Mizoram to expedite the liquidation of outstanding dues to avoid further accumulation of late payment surcharge due to delay in payment.

Action: DoP, Mizoram

7.7 *Installation/replacement of SEM and distribution of DCD:*

Procurement of SEMs & DCDs carried out phase wise. SEMs replacement & installation at new locations carried out based on the discussions in OCCMs\CCCMs. Summary of the activities is given below table and the details attached as (**Annex – 7.7)** (SEM & DCD) for the record of the forum.

Observations, if any by the utilities, may be discussed.

S. N.	PHASE	RECEIPT	SEM used	DCD used	Spare SEM	Spare DCD
1	1st phase	100 SEM, 20 DCD	86	17	14	3
2	2nd phase	175 SEM, 25 DCD	72	9	103	16
	i. 1st priority	50 SEM,10 DCD	28	7	22	3
	ii. 2nd priority + Additional replacements & installments	125 SEM,15 DCD	12+32=44	0+2=2	81	13
	TOTAL		158	26	117	19

Deliberation of the Sub-Committee

Chief Manager (MO), NERLDC highlighted the current installation/replacement status of SEMs and DCDs. He further added that with these installations, data is being regularly sent by constituents.

The Sub-committee noted as above.

ANY OTHER ITEMS

8.1 *Experience of SLDC Assam with respect to Market operation (MO) wing in SLDC Assam.*

Experiences of SLDC Assam with respect to the Market Operation (MO) wing were highlighted by Smt. Toushita Jigdung, AGM (MO), SLDC, Assam. She covered various roles and responsibilities of Market Operation wing of Assam SLDC and shared the advantage of having a Market operation (MO) wing in their organization. (Ppt presentation attached as **Annexure-8.1**).

8.2 *CERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2022.*

Salient features of the recently published Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations,

2022 was highlighted by Ms. Tanaya Rakshit, Engineer (MO), NERLDC. (Ppt presentation attached as **Annexure-8.2**).

DATE AND VENUE OF NEXT COMMERCIAL COMMITTEE MEETING

The next Commercial Coordination Sub-Committee meeting will be held in the month of June 2022. The date and venue will be intimated separately.

****

Annexure-A

S.No	Name of Delegates	Designation	Contact No	Email
1	Sh. S. K. Das	EE (E), DoP, Ar. Pradesh	9436259435	esskdas@gmail.com
2	Sh. Rajesh Sharma	JE (Comml), DoP, Ar. Pradesh	9436058725	rajeshidn@gmail.com
3	Sh. M. R. A. Dewan	CGM (Com & EE), APDCL	9435107259	
4	Sh. Indrajit Tahbildar	AGM (TRC), APDCL	8761049486	indra.nits@gmail.com
5	Sh. Suresh Kaimal	DGM (F&A), AEGCL	9435114641	suresh11_k@rediffmail.com
6	Sh. R. Khaund	DGM, SLDC, Assam	6901255808	rodalikhaund@gmail.com
7	Sh. Toushita Jigdung	AGM (MO), SLDC, Assam	9707134351	
8	Sh. H. Jyrwa	SE (EM), MePDCL	9436103558	wkhasi@gmail.com
9	Smt. R. G. L Mawlong	EE (EM), MePDCL	9436998350	rilangmawlong23@gmail.com
10	Sh. A. Shabong	Dy CAO, MePDCL	8575037567	aibor.shabong303@gmail.com
11	Sh. D. Nongrum	A.O, MePDCL	9862611853	
12	Sh. H. Lalruatkima	Sr. EE, SLDC, P&ED Mizoram	9862925462	krhlondo71@gmail.com
13	Sh. H. Lalnunsanga	EE (Comml.), P&ED Mizoram	8415852013	lalnunsanga013@gmail.com
14	Sh. P. Yanthan	CE (T&G), DoP, Nagaland		ypenrithung@yahoo.in
15	Sh. Nitovi Wotsa	SE (SLDC), DoP, Nagaland	8974035404	nitoviw@gmail.com
16	Sh. S. I. Asangba Tikhir	EE (Trans & SLDC), DoP, Nagaland	7085508502	asang.dcared@gmaill.com
17	Sh. Rokobeito Iralu	SDO (Trans), DoP, Nagaland	9436832020	rokos_iralu@yahoo.in
18	Sh. P. Tiakaba Yimchunger	JE (SLDC), DoP, Nagaland	8974020151	tiaquenger@gmail.com
19	Sh. Anil Debbarma	DGM, SLDC, Tripura	9612589250	anildebbarma123@gmail.com
20	Sh. D. Choudhury	CGM (Comml), NEEPCO	9435339747	commercial@neepco.gov.in
21	Sh. S. Deka	GM (Comml), NEEPCO	6003387235	sdeka@neepco.co.in
22	Sh. Samir Haloi	DGM (Comml.), NTPC	9437561689	samirhaloi@ntpc.co.in
23	Sh. Ashish Shrivastav	Manager (Comml), OTPC	9958995890	ashish.shrivastav@otpcindia.in
24	Sh. Abhijit Daimari	Manager (Comml), NERTS	9485187441	a.daimari@powergrid.in
25	Sh. N. Roy	ED, NERLDC	9869080265	nroy@posoco.in
26	Sh. M. P. Nath	Ch.Manager, NERLDC	9436335374	mpnath@posoco.in
27	Sh. Ankit Jain	Manager (MO), NERLDC	9436335381	ankitjain@posoco.in
28	Sh. Gaurav Bhattacharjee	Engineer (MO), NERLDC	9402304210	gauurav@posoco.in
29	Ms. Tanaya Rakshit	Engineer (MO), NERLDC	8414927822	rakshit.tanaya@posoco.in
30	Sh. Anil R. Sah	DGM, NETC	9999055047	anilsah@netcindia.in
31	Sh. Ratan Singh Basnet	Dy. Mgr, NETC	8811072489	ratansinghbasnet@netcindia.in
32	Sh. B. Lyngkhoi	Member Secretary, NERPC	-	ms-nerpc@gov.in
33	Sh. S. M. Aimol	Director (Comml), NERPC	8974002106	smaimol@gmail.com
34	Sh. Abhijeet Agarwal	EE (Comml), NERPC	9871266951	a.abhijeet123@gmail.com
35	Sh. Shivam Chaturvedi	AE, NERPC	8077661727	shivamchaturvedi77@gmaill.com

Annexure-7.1

DSM Outstanding Status

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)

	31/01/2022	06/02/2022	तक	आज की तारीख में/As on 07/03/2022			Figs in Lacs
घटक/Constituents	Week no of NER-45 of FY 2021-22				टोटल / TOTAL		O/S PAYABLE >13 WEEKS
	पूल के लिए देय / Payable to Pool	पूल से प्राप्य / Receivable from Pool	भुगतान किया / Paid	प्राप्त / Received	O/S Payable to Pool	O/S Receivable from Pool	
अरुणाचल प्रदेश / Ar. Pradesh	20020.86	5103.63	19758.44	5103.63	262.42	0.00	0.00
असम / Assam	54875.59	555.24	54870.14	555.24	5.45	0.00	0.00
मणिपुर / Manipur	4373.17	2724.76	4074.73	2724.76	298.44	0.00	205.77
मेघालय / Meghalaya	5027.07	9106.55	5027.07	9106.55	0.00	-0.00	0.00
मिजोरम / Mizoram	6698.63	3445.71	6698.63	3445.71	-0.00	0.00	0.00
नगालैंड / Nagaland	8343.54	2198.27	8313.64	2198.27	29.89	-0.00	6.44
त्रिपुरा / Tripura	15184.86	9881.11	15184.86	9881.11	0.00	-0.00	0.00
लोकतक / Loktak	75.23	1074.07	75.23	1074.07	0.00	0.00	0.00
नीपको / NEEPCo	3608.44	21923.36	3608.44	21923.36	0.00	-0.00	0.00
ई आर / ER	208302.64	502064.54	208302.64	502064.54	0.00	0.00	0.00
ओटीपीसी/ OTPC	2493.03	6028.45	2493.03	6028.45	0.00	0.00	0.00
एनटीपीसी / NTPC	8727.96	4383.62	8618.55	4383.62	109.41	0.00	0.00
एन आर / NR	481631.81	212018.84	481631.81	212018.84	0.00	-0.00	0.00
बि.एन.सि / BNC	150.84	333.68	150.84	333.68	0.00	0.00	0.00
टोटल / TOTAL	819513.67	780841.85	818808.05	780841.85	705.61	-0.00	
PSDF		38671.81		13964.56		717.42	

Annexure-7.3

Reactive Outstanding Status

REACTIVE POOL ACCOUNT DETAILS : 2021-22

As on 07.03.2022

All figures in ₹

		Till Previous FY		CURRENT FY				Reactive Bill settelement status		Interest Bill settelement status		Reactive+Interest Settlement	
Sl. No	States	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	205440.00	71879.26	226253.00	431693.00	0.00	67970.00	0.00	3909.26	-0.11	0.00	0.00	3909.00
2	Assam	-96938.49	-0.29	2874779.00	2777841.00	0.00	-1344022.00	-0.49	1344021.71	0.08	0.00	0.00	1344022.00
3	Manipur	120289.00	12740.83	0.00	45709.00	32967.80	45709.00	74580.00	-0.37	8225.62	0.00	82806.00	0.00
4	Meghalaya	-0.08	1352353.66	0.00	0.00	3015332.06	3897529.00	-0.08	470156.72	33697.15	0.00	0.00	436460.00
5	Mizoram	51926.80	55789.62	0.00	-50959.00	294833.14	350623.00	102885.80	-0.24	1526.20	0.00	104412.00	0.00
6	Nagaland	-49284.60	33076.25	48568.00	-717.00	29262.00	-17265.00	0.40	79603.25	3376.03	0.00	0.00	76227.00
7	Tripura	75644.10	46.85	661203.00	661019.00	0.00	47.00	75828.10	-0.15	277.67	0.00	76106.00	0.00
8	PSDF	0.00	-1218809.46	0.00	0.00	438408.00	863995.00	0.00	-1644396.46	0.00	47102.35	0.00	-1597294.00
	Total	307076.73	307076.73	3810803.00	3864586.00	3810803.00	3864586.00	253293.73	253293.73	47102.64	47102.35	263324.00	263324.00

Annexure-7.4

अपूर्ण डीएसएम सुलह की स्थिति/ Pending DSM Reconciliation Status

Sl No.	Constituents	Period Pending	Total Pending	Last Signed		
				Qr. No.	FY	Date
1	Ar. Pradesh	Up to date	0	3	21-22	15-02-2022
2	Assam	21-22(Q3)	1	2	21-22	25-11-2021
3	Manipur	21-22(Q1,Q2,Q3)	3	4	20-21	07-06-2021
4	Meghalaya	Up to date	0	3	21-22	27-01-2022
5	Mizoram	Up to date	0	3	21-22	15-02-2022
6	Nagaland	21-22(Q3)	1	2	21-22	08-11-2021
7	Tripura	Up to date	0	3	21-22	11-02-2022
8	BNC	Up to date	0	3	21-22	25-01-2022
9	Loktak	20-21(Q4), 21-22(Q1,Q2,Q3)	4	3	20-21	15-04-2021
10	NEEPCo	21-22(Q3)	1	2	21-22	03-11-2021
11	OTPC	Up to date	0	3	21-22	15-02-2022
12	NTPC	21-22(Q2,Q3)	2	1	21-22	04-08-2021
			12			

अपूर्णरिएक्टिव सुलह की स्थिति/Pending Reactive Reconciliation Status

Sl No.	Constituents	Period Pending	Total Pending	Last Signed		
				Qr. No.	FY	Date
1	Ar. Pradesh	Up to date	0	3	21-22	15-02-2022
2	Assam	Up to date	0	3	21-22	14-02-2022
3	Manipur	21-22(Q1, Q2, Q3)	3	4	20-21	07-06-2021
4	Meghalaya	Up to date	0	3	21-22	27-01-2022
5	Mizoram	Up to date	0	3	21-22	15-02-2022
6	Nagaland	21-22(Q3)	1	2	21-22	08-11-2021
7	Tripura	Up to date	0	3	21-22	11-02-2022
			4			

1ST PHASE OF SEM DISTRIBUTION

REPLACEMENTS

SL. NO	UTILITY NAME	LOCATION/ SUBSTATION	OLD METER NO	METER TYPE	NEW METER NO	FEEDER NAME
1	ASSAM	SARUSAJAI	NP-8489-A	LNT	NP-9921-A	S'SAJAI END OF 132kV UMTRU FDR-1
2	ASSAM	SARUSAJAI	NP-8492-A	LNT	NP-9922-A	S'SAJAI END OF 132kV UMTRU FDR-2
3	ASSAM	DULLAVCHERRA	NP-9438-A	LNT	NP-9904-A	DULLAVCHERRA END OF D'NGAR FDR
4	ASSAM	AZARA	NP-9456-A	LNT	NP-9983-A	AZARA END OF 400 KV BONGAIGAON
5	ASSAM	AZARA	NP-9457-A	LNT	NP-9981-A	AZARA END OF 400 KV SILCHAR
6	MANIPUR	NINGTHOUKHONG	NP-9521-A	LNT	NP-9946-A	NINGTHOUKHONG end Of Imphal(PG)
7	MANIPUR	YUREMBAM	NP-6951-A	LNT	NP-9948-A	YUREMBAM END OF KARONG FDR
8	MANIPUR	JIRIBAM	NP-8645-A	ELSTER	NP-9902 A	JIRIBAM(MAN) END OF JIRIBAM(PG)FDR
9	NAGALAND	KOHIMA	NP-9703-A	LNT	NP-9947-A	KOHIMA END OF KARONG FDR
10	POWERGRID	SILCHAR	NP-8666-A	ELSTER	NP-9898-A	SILCHAR END OF HAILAKANDI-II
11	POWERGRID	SILCHAR	NP-8667-A	ELSTER	NP-9900-A	SILCHAR END OF HAILAKANDI-I
12	POWERGRID	SILCHAR	NP-8664-A	ELSTER	NP-9895-A	SILCHAR END OF SRIKONA-I
13	POWERGRID	SILCHAR	NP-8665-A	ELSTER	NP-9897-A	SILCHAR END OF SRIKONA-II
14	POWERGRID	HAFLONG	NP-8656-A	ELSTER	NP-9956-A	HAFLONG END OF JIRIBAM
15	POWERGRID	IMPHAL	NP-8672-A	LNT	NP-9949-A	Imphal(PG) end Of Loktak-2
16	POWERGRID	IMPHAL	NP-4520-A	ELSTER	NP-9982-A	IMPHAL END OF NEW KOHIMA 1
17	POWERGRID	IMPHAL	NP-4504-A	ELSTER	NP-9985-A	IMPHAL END OF NEW KOHIMA 2
18	POWERGRID	JIRIBAM	NP-8623-A	ELSTER	NP-9903 A	JIRIBAM(PG) END OF BADARPUR FDR
19	POWERGRID	MOKOKCHANG	NP-4518-A	ELSTER	NP-9923-A	220/132KV,30 MVA ICT-1 AT MOKOKCHANG LV-SIDE
20	POWERGRID	MOKOKCHANG	NP-4515-A	ELSTER	NP-9938-A	220/132KV,30 MVA ICT-2 AT MOKOKCHANG LV-SIDE

NEW INSTALLMENTS

SL. NO	UTILITY NAME	LOCATION/ SUBSTATION	METER NO	FEEDER NAME
1	ARUNACHAL PRADESH	ITANAGAR (CHIMPU)	NP-9935-A	132 kV ITANAGAR END OF BNC FDR 1
2	ARUNACHAL PRADESH	ITANAGAR (CHIMPU)	NP-9939-A	132 kV ITANAGAR END OF BNC FDR 2
3	ASSAM	KARIMGANJ	NP-9690-A	132 kV KARIMGANJ END OF BADARPUR
4	ASSAM	KARIMGANJ	NP-9937-A	132 kV KARIMGANJ END OF KUMARGHAT
5	MANIPUR	THOUBAL	NP-9668-A	400 kV THOUBAL END OF IMPHAL(PG)-1
6	MANIPUR	THOUBAL	NP-9603-A	400 kV THOUBAL END OF IMPHAL(PG)-2
7	TSECL	PK BARI	NP-9933-A	132 kV PK BARI (TSECL)-RC NAGAR1
8	TSECL	PK BARI	NP-9932-A	132 kV PK BARI (TSECL)-RC NAGAR 2
9	TSECL	PK BARI	NP-9919-A	132 kV PK BARI (TSECL)-PK BARI (STERLITE)
10	TSECL	PK BARI	NP-9934-A	132 kV AMBASSA(TSECL)-PK BARI (STERLITE)
11	TSECL	BUDHJUNGNAGAR	NP-9943-A	2 kV BUDHJUNGNAGAR END OF 132 kV SM NAGAR (STERLI
12	TSECL	SM NAGAR	NP-9942-A	SM NAGAR (TSECL) END OF SM NAGAR (STERLITE)
13	NEEPCO	RC NAGAR	NP-9940-A	132 kV RC NAGAR-PK BARI (TSECL) 1
14	NEEPCO	RC NAGAR	NP-9457-A	132 kV RC NAGAR-PK BARI (TSECL) 1 CHECK METER
15	NEEPCO	RC NAGAR	NP-9941-A	132 kV RC NAGAR-PK BARI (TSECL) 2
16	NEEPCO	RC NAGAR	NP-9456-A	132 kV RC NAGAR-PK BARI (TSECL) 2 CHECK METER
17	OTPC	PALATANA	NP-9944-A	PALATANA END OF 400 kV SM NAGAR (STERLITE)-1
18	OTPC	PALATANA	NP-9977-A	PALATANA END OF 400 kV SM NAGAR (STERLITE)-2
19	POWERGRID	MISA	NP-9928-A	400 kV MISA-SILCHAR 1
20	POWERGRID	MISA	NP-9929-A	400 kV MISA-SILCHAR 2
21	POWERGRID	MISA	NP-9892-A	400 kV MISA-NEW MARIANI I
22	POWERGRID	MISA	NP-9894-A	400 kV MISA-NEW MARIANI II
23	POWERGRID	MARIANI	NP-9959-A	400 kV/ 220 kV NEW MARIANI ICT II LV SIDE
24	POWERGRID	MARIANI	NP-9950-A	400 kV/ 220 kV NEW MARIANI ICT II HV SIDE
25	POWERGRID	MARIANI	NP-9958-A	400 kV/ 220 kV NEW MARIANI ICT I LV SIDE
26	POWERGRID	MARIANI	NP-9951-A	400 kV/ 220 kV NEW MARIANI ICT I HV SIDE
27	POWERGRID	MARIANI	NP-9974-A	400 kV NEW MARIANI- NEW KOHIMA (KMTL)-1
28	POWERGRID	MARIANI	NP-9980-A	400 kV NEW MARIANI- NEW KOHIMA (KMTL)-2
29	POWERGRID	IMPHAL	NP-9547-A	400 kV IMPHAL (PG) END OF THOUBAL 1
30	POWERGRID	IMPHAL	NP-9543-A	400 kV IMPHAL (PG) END OF THOUBAL 2
31	POWERGRID	SILCHAR	NP-9925-A	400 kV SILCHAR- MISA-1
32	POWERGRID	SILCHAR	NP-9896-A	400 kV SILCHAR- MISA-II
33	POWERGRID	SILCHAR	NP-9901-A	SILCHAR END OF 400 PK BARI (STERLITE)I
34	POWERGRID	SILCHAR	NP-9899-A	SILCHAR END OF 400 PK BARI (STERLITE) II
35	POWERGRID	BADARPUR	NP-7799-A	132 kV BADARPUR END OF KARIMGANJ
36	POWERGRID	KUMARGHAT	NP-6862-A	132 kV KUMARGHAT END OF KARIMGANJ
37	POWERGRID	BNC	NP-9961-A	132 kV BNC END OF ITANAGAR BNC FDR 1
38	POWERGRID	BNC	NP-9962-A	133 kV BNC END OF ITANAGAR BNC FDR 1
39	KMTL	NEW KOHIMA	NP-9972-A	400 kV NEW KOHIMA END OF MARIANI FDR I
40	KMTL	NEW KOHIMA	NP-9973-A	40 kV NEW KOHIMA END OF MARIANI FDR II
41	KMTL	NEW KOHIMA	NP-9986-A	400 kV/ 220 kV ICT I HV SIDE KOHIMA SS
42	KMTL	NEW KOHIMA	NP-9988-A	400 kV/ 220 kV ICT I LV SIDE KOHIMA SS
43	KMTL	NEW KOHIMA	NP-9987-A	400 kV/ 220 kV ICT II HV SIDE KOHIMA SS
44	KMTL	NEW KOHIMA	NP-9989-A	400 kV/ 220 kV ICT II LV SIDE KOHIMA SS
45	KMTL	NEW KOHIMA	NP-9970-A	400 kV NEW KOHIMA END OF IMPHAL FDR I
46	KMTL	NEW KOHIMA	NP-9971-A	400 kV NEW KOHIMA END OF IMPHAL FDR II
47	STERLITE	PK BARI	NP-9931-A	132 kV PK BARI (STERLITE)-PK BARI (TSECL)
48	STERLITE	PK BARI	NP-9930-A	132 kV PK BARI (STERLITE)-AMBASSA(TSECL)
49	STERLITE	PK BARI	NP-9917-A	PK BARI (STERLITE) END OF 400 kV SM NAGAR (STERLITE)
50	STERLITE	PK BARI	NP-9918-A	PK BARI (STERLITE) END OF 400 kV SM NAGAR (STERLITE)
51	STERLITE	PK BARI	NP-9905-A	400/132 kV PK BARI(STERLITE) ICT-1 HV SIDE
52	STERLITE	PK BARI	NP-9906-A	400/132 kV PK BARI(STERLITE) ICT-1 LV SIDE
53	STERLITE	PK BARI	NP-9907-A	400/132 kV PK BARI(STERLITE) ICT-2 HV SIDE
54	STERLITE	PK BARI	NP-9908-A	400/132 kV PK BARI(STERLITE) ICT-2 LV SIDE
55	STERLITE	PK BARI	NP-9916-A	PK BARI (STERLITE) END OF 400 kV SILCHAR I
56	STERLITE	PK BARI	NP-9915-A	PK BARI (STERLITE) END OF 400 kV SILCHAR II
57	STERLITE	SM NAGAR	NP-9893-A	132 kV SM NAGAR (STERLITE) END OF BUDHJUNGNAGAR
58	STERLITE	SM NAGAR	NP-9890-A	132 kV SM NAGAR (STERLITE) END OF SM NAGAR (TSECL)
59	STERLITE	SM NAGAR	NP-9978-A	SM NAGAR (STERLITE) END OF 400 kV PK BARI 1 (sterlite)
60	STERLITE	SM NAGAR	NP-9979-A	SM NAGAR (STERLITE) END OF 400 kV PK BARI 2 (sterlite)
61	STERLITE	SM NAGAR	NP-9965-A	400/132 kV SM NAGAR (STERLITE) ICT-1 HV SIDE
62	STERLITE	SM NAGAR	NP-9966-A	400/132 kV SM NAGAR (STERLITE) ICT-1 LV SIDE
63	STERLITE	SM NAGAR	NP-9967-A	400/132 kV SM NAGAR (STERLITE) ICT-2 HV SIDE
64	STERLITE	SM NAGAR	NP-9968-A	400/132 kV SM NAGAR (STERLITE) ICT-2 LV SIDE
65	STERLITE	SM NAGAR	NP-9975-A	400 kV SM NAGAR (STERLITE) END OF PALATANA 1
66	STERLITE	SM NAGAR	NP-9976-A	400 kV SM NAGAR (STERLITE) END OF PALATANA 2

1ST PRIORITY LIST SEM REPLACEMENTS/ INSTALLATIONS

SL. NO	UTILITY NAME	LOCATION/ SUBSTATION	OLD METER NO	METER TYPE	NEW METER NO	FEEDER NAME	REMARKS
1	ASSAM	SONABIL	NP-5795-A	LNT	NE-0035-A	SONABIL END OF 220 kV BALIPARA-1 FDR	
2	ASSAM	HAFLONG	NIL		NE-0026-A	HAFLONG (AS) END OF HAFLONG PG	
3	MIZORAM	ZUANGTUI	NIL		NE-0001-A	ZUANTUI END OF 132 kV MELRIAT	
4	MIZORAM	LUNGMUAL	NIL		NE-0024-A	LUNGMUAL END OF 132 kV AIZAWL	
5	OTPC	PALATANA	NP-6855-A	LNT	NE-0010-A	PALATANA END OF 400 KV SILCHAR-2 FEEDER	
6	OTPC	PALATANA	NP-7602-A	LNT		PALATANA ST-1	Meters are handed over for installation
7	OTPC	PALATANA	NP-7584-A	LNT		PALATANA ST-2	
8	OTPC	PALATANA	NP-5799-A	LNT		PALATANA GT-1	
9	POWERGRID	NIRJULI	NIL		NE-0011-A	NIRJULI_PG TRF 1 HV SIDE	
10	POWERGRID	NIRJULI	NIL		NE-0025-A	NIRJULI_PG TRF 2 HV SIDE	
11	POWERGRID	IMPHAL	NIL		NE-0048-A	IMPHAL TRF 1 FOR MANIPUR CONSUMPTION (HV SIDE)	
12	POWERGRID	IMPHAL	NIL		NE-0018-A	IMPHAL TRF 2 FOR MANIPUR CONSUMPTION (HV SIDE)	
13	POWERGRID	MOKOKCHANG	NIL		NE -0046-A	MOKOCHANG(PG) END OF MOKOK(NL) FDR-1	
14	POWERGRID	MOKOKCHANG	NIL		NP -9911-A	MOKOCHANG(PG) END OF MOKOK(NL) FDR-2	
15	POWERGRID	SILCHAR	NIL		NE-0050-A	400/132 kV SILCHAR ICT-1 HV SIDE	
16	POWERGRID	SILCHAR	NIL		NE-0049-A	400/132 kV SILCHAR ICT-2 HV SIDE	
17	POWERGRID	SILCHAR	NP-8571-A	ELSTER	NE-0007-A	SILCHAR END OF 400 KV IMPHAL-1	
18	POWERGRID	SILCHAR	NP-8570-A	ELSTER	NE-0040-A	SILCHAR END OF 400 KV IMPHAL-2	
19	POWERGRID	SILCHAR	NP-8659-A	ELSTER	NE-0030-A	SILCHAR(PG) END OF 400kV PALATANA FDR -1	
20	POWERGRID	SILCHAR	NP-8660-A	ELSTER	NE-0042-A	SILCHAR(PG) END OF 400kV PALATANA FDR -2	
21	POWERGRID	MISA	NP-8608-A	ELSTER	NE-0022-A	MISA END OF 220kV MARIANI(PG) FDR	
22	POWERGRID	MISA	NP-8643-A	ELSTER	NE-0006-A	MISA END OF 220kV DIMAPUR FDR -1	
23	POWERGRID	MISA	NP-8640-A	ELSTER	NE-0023-A	MISA END OF 220kV DIMAPUR FDR -2	
24	POWERGRID	MISA	NP-8599-A	ELSTER	NE-0004-A	MISA 400/220kV 315MVA ICT-I (LV SIDE)	
25	POWERGRID	MISA	NP-8638-A	ELSTER	NE-0008-A	MISA 400/220kV 315MVA ICT-II (LV SIDE)	
26	POWERGRID	MARIANI	NP-4524-A	ELSTER	NE -0046-A	MARIANI(PG) END OF 220 KV MOKOKCHANG-1	
27	POWERGRID	MARIANI	NP-4509-A	ELSTER	NP -9911-A	MARIANI(PG) END OF 220 KV MOKOKCHANG-2	
28	POWERGRID	MARIANI	NP-8596-A	ELSTER	NE -0034-A	MARIANI(PG) END OF 220 KV KATHALGURI	

2ND PRIORITY LIST SEM REPLACEMENTS/ INSTALLATIONS

SL. NO	UTILITY NAME	LOCATION/ SUBSTATION	OLD METER NO	METER TYPE	NEW METER NO	FEEDER NAME
1	POWERGRID	MOKUKCHUNG	NIL		NE-0126-A	220/132 kV ICT-1 MOKUKCHUNG HV side
2	POWERGRID	MOKUKCHUNG	NIL		NE-0127-A	220/132 kV ICT-2 MOKUKCHUNG HV side
3	POWERGRID	SILCHAR	NP-8661-A	ELSTER	NE-0145-A	132kV SILCHAR-MELRIAT 1
4	POWERGRID	SILCHAR	NP-8561-A	ELSTER	NE-0144-A	132kV SILCHAR-MELRIAT 2
5	POWERGRID	SILCHAR	NP-8662-A	ELSTER	NE-0142-A	132kV SILCHAR-BADARPUR 1
6	POWERGRID	SILCHAR	NP-8663-A	ELSTER	NE-0143-A	132kV SILCHAR-BADARPUR 2
7	POWERGRID	BALIPARA	NP-8655-A	ELSTER	NE-0043-A	400kV BALIPARA END OF BONGAIGAON 1
8	POWERGRID	BALIPARA	NP-8653-A	ELSTER	NE-0047-A	400kV BALIPARA END OF BONGAIGAON 2
9	POWERGRID	BALIPARA	NP-8654-A	ELSTER	NE-0044-A	400kV BALIPARA END OF BONGAIGAON 3
10	POWERGRID	BALIPARA	NP-8594 A	ELSTER	NE-0036-A	400 kV BALIPARA END OF MISA 1
11	POWERGRID	MOKUKCHUNG	NP-4510-A	ELSTER	NE-0128-A	220 kV MOKUKCHUNG-NEW MARIANI -1
12	POWERGRID	MOKUKCHUNG	NP-4516-A	ELSTER	NE-0130-A	220 kV MOKUKCHUNG-NEW MARIANI -2

2ND PHASE ADDITIONAL REPLACEMENTS/ INSTALLATIONS

SL. NO	UTILITY NAME	LOCATION/ SUBSTATION	OLD METER NO	METER TYPE	NEW METER NO	FEEDER NAME
1	ASSAM	UMRANGSOO	NP-5295-A	LNT	NE-0019-A	132 kV UMRANGSOO END OF HAFLONG
2	TSECL	AMBASSA	NP-9934-A	LNT	NP-9990-B	132 kV AMBASSA(TSECL)-PK BARI (STERLITE)
3	POWERGRID	JIRIBAM	NP-8501-A	LNT	NE-0027-A	JIRIBAM (132/33KV TRF)CONSUMPTION-GIS
4	POWERGRID	JIRIBAM	NP-7798-A	LNT	NE-0037-A	132 kV JIRIBAM GIS END OF TIPAIMUKH
5	POWERGRID	JIRIBAM	NP-8499-A	LNT	NE-0039-A	132 kV JIRIBAM GIS END OF PAILAPOOL
6	POWERGRID	JIRIBAM	NP-7797-A	LNT	NE-0038-A	132 kV JIRIBAM GIS END OF LOKTAK
7	POWERGRID	JIRIBAM	NP-7796-A	LNT	NP-9936-A	132 kV JIRIBAM GIS END OF HAFLONG (PG)
8	MEGHALAYA	UMTRU	NP-8475-A	LNT	NE -0016-A	UMTRU END OF KAHELIPARA-2
9	POWERGRID	SALAKATI	NP-5303-A	LNT	NE-0017-A	220kV SALAKATI-ALIPURDUAR-2
10	OTPC	PALATANA	NP-7583-A	LNT	NE-0009-A	400 kV PALATANA END OF SILCHAR 1
11	POWERGRID	AIZAWL	NP-8504-A	LNT	NP-9495-A	132 kV AIZAWL END OF LUNGMUAL
12	POWERGRID	AIZAWL	NP-8486-A	LNT	NP-9610-A	132 kV AIZAWL END OF KOLASIB FDR
13	POWERGRID	AIZAWL	NP-8503-A	LNT	NP-9707-A	132 kV AIZAWL END OF KUMARGHAT FDR
14	POWERGRID	AIZAWL	NP-8505-A	LNT	NP9693-A	132 kV AIZAWL END OF TIPAIMUKH FDR

SL. NO	UTILITY NAME	LOCATION/ SUBSTATION	METER NO	FEEDER NAME
1	OTPC	PALATANA	NE-0013-A	PALATANA END OF 400 kV SM NAGAR (STERLITE)-1 CHECK
2	OTPC	PALATANA	NE-0014-A	PALATANA END OF 400 kV SM NAGAR (STERLITE)-2 CHECK
3	POWERGRID	MARIANI	NP-9952-A	NEW MARIANI END OF 400 KV MISA CKT-1
4	POWERGRID	MARIANI	NP-9954-A	NEW MARIANI END OF 400 KV MISA CKT-2
5	POWERGRID	MARIANI	NP-9914-A	220KV NEW MARIANI BAY 1
6	POWERGRID	MARIANI	NP-9953-A	220KV NEW MARIANI BAY 2
7	POWERGRID	SILCHAR	NE-0050-A	400/132kV 200MVA ICT-1 HV Side
8	POWERGRID	SILCHAR	NE-0049-A	400/132kV 200MVA ICT-2 HV Side
9	POWERGRID	MOKUKCHUNG	NE-0126-A	220/132 kV ICT-1 MOKUKCHUNG HV side
10	POWERGRID	MOKUKCHUNG	NE-0127-A	220/132 kV ICT-2 MOKUKCHUNG HV side
11	POWERGRID	IMPHAL	NE-0048-A	LV side of 132/33kV 50MVA IMPHAL ICT_1
12	POWERGRID	IMPHAL	NE-0018-A	LV side of 132/33kV 50MVA IMPHAL ICT_2
13	POWERGRID	DIMAPUR	NE-0032-A	DIMAPUR ICT 1 HV side.
14	POWERGRID	DIMAPUR	NE-0045-A	DIMAPUR ICT 2 HV side.
15	ASSAM	AGIA	NP-9920-A	132 kV AGIA END OF NANGALBIBRA
16	MEGHALAYA	NANGALBIBRA	NP-9945-A	132 kV NANGALBIBRA END OF NANGALBIBRA
17	ASSAM	MARIANI	NP-9910-A	220KV MARIANI(AS) END OF NEW MARIANI
18	POWERGRID	MARIANI	NE-0029-A	220KV MARIAN (PG) END OF MARIANI(AS)

DCD Distribution list (1st & 2nd phase)

1st PHASE

SL. NO	UTILITY NAME	LOCATION/ SUBSTATION	DATE OF RECEIPT
1	ARUNACHAL PRADESH	LEKHI	02.09.2020
2	ASSAM	AGIA	26.12.2020
3	ASSAM	AZARA	26.12.2020
4	ASSAM	BTPS	08.10.2020
5	ASSAM	SARUSAJAI	07.01.2021
6	ASSAM	KAHILIPARA	07.01.2021
7	MANIPUR	YUREMBAM	RECEIVED
8	MEGHALAYA	UMTRU	05.11.2020
9	MEGHALAYA	MENDIPATHAR	05.11.2020
10	TRIPURA	AGARTALA(79 ILLA)	01.01.2021
11	TRIPURA	UDAIPUR	01.01.2021
12	TRIPURA	DHARMANAGAR	18.11.2020
13	POWERGRID	JIRIBAM	18.11.2020
14	POWERGRID	DIMAPUR	18.11.2020
15	ASSAM	DULLAVCHERA	20.02.2021
16	ASSAM	TINSUKIA	16.12.2021
17	MEGHALAYA	BYRNIHAT	23.07.2021

2nd PHASE

SL. NO	UTILITY NAME	LOCATION/ SUBSTATION	DATE OF RECEIPT
1	Ar. PRADESH	TENGA	23.11.2021
2	Ar. PRADESH	DEOMALI	Collected and to be handed over
3	ASSAM	UMRANGSOO (UMR)	10.08.2021
4	NAGALAND	SANIS	29.06.2021
5	MIZORAM	SIHMUI	06.11.2021
6	MANIPUR	THOUBAL	07.09.2021
7	MANIPUR	TIPAIMUKH	
8	MEGHALAYA	NANGALBIBRA	25.11.2021
9	MIZORAM	LUNGMUAL	06.11.2021

Experience of SLDC Assam with respect to Market Operation (MO) wing and its benefit to the organization.

- The Market Operation (MO) wing in SLDC Assam was formed and came into effect from February'2020.
- The MO wing is primarily responsible to carry out the following works:

1. Intra-State Energy Accounting.
2. Intra-State Deviation Accounting.
3. Intra-State Reactive Accounting.

4. Intra-State Open Access and Inter-State Open Access by State Entities.
5. First Time Grid Integration by Renewable generations as well as non-renewable generations.
6. Monitoring of Renewable purchase Obligations by obligated Entities.
7. Intra-State Metering System.
8. Tariff.
9. To be updated with the Regulations both by CERC and AERC.
10. Preparation of Detail Procedure to the MO concerned Regulations framed by the Assam Electricity Regulatory Commission and
11. Training

Apart from the above, MO wing is also responsible towards the following projects/ works that are presently under execution.

1. To co-ordinate with the National Open Access Registry (NOAR)project executed by NLDC for making the Inter-State STOA work in online mode.
2. SAMAST project (Assam part) under the initiative of NERPC.

The MO wing is responsible to co-ordinate with:

1. AERC
2. NERPC
3. AEGCL
4. NERLDC
5. APGCL
6. APDCL
7. OA consumers
8. Other SLDCs.
9. NPTI
10. Other Power training Institute.

At different times in subject matters that necessitates the MO wing to act.

Intra-State Energy Accounting

1. The Intra-State Energy Accounting reflects the total Transmission network loss of the State.
2. Energy Accounting for Open Access Consumers specifically for the quantum purchased through Power Exchange and bilateral transactions. The accounting is further shared with IRCA, APDCL for raising of bill by IRCA for the Energy consumed from APDCL excluding the O.A quantum.
3. To be noted, at present the deviation settlement is done on one-to-one basis between APDCL and O.A consumers.

Intra-State Deviation and Reactive Energy Accounting

- At present the Intra-State Deviation and Reactive Accounting & settlement is not done at SLDC.

- With the completion of SAMAST project, the Deviation and Reactive Accounting and settlement will take place at SLDC, Assam and MO will be responsible for doing so.

Intra-State Open Access and Inter-State Open Access by State Entities.

1. SLDC is the first point of contact for customers who are intending to go for Open Access.
2. The categories of Open Access at present being approached by:

- Inter-State Open Access as consumers(mostly STOA followed by LTOA).
- Intra-State Open Access by captive generators for evacuation of power generated at one location and consumed at other location (mostly seeking for LTA followed by STOA).

Intra-State Open Access and Inter-State Open Access by State Entities.

3. SLDC processes the first time applicant's STOA application and after duly checking all the regulatory requirements like Network feasibility, ABT compliant Meter and Telemetry (AMR and Real –time data) system, NOC is granted for Inter-State STOA. All these requirements are also same in case of Intra-State Open Access and SLDC being Nodal Agency for Intra-State STOA, SLDC processes the application for the same.
4. Compilation report related to Open Access transaction.
5. Sharing of AMR data with O.A customers on daily basis.
6. Keeping track of Transaction through Open Access.
7. Daily monitoring of Meters of O.A consumers and Solar generators in the AMR system.
8. Sending of updation report to NERLDC about the Intra-State STOA.

Intra-State Open Access and Inter-State Open Access by State Entities.

- Open Access process is becoming challenging with the number of consumers getting increased day by day.
- The challenges with Open Access includes:

1. Dedicated feeder: This is a mandatory requirement as per AERC for availing O.A. In the event of non-availability of dedicated feeders, most of the customers constantly pressurize SLDC to somehow consider their present infrastructure and allow O.A. Such requests place SLDC at unpleasant situation.
2. Establishment of Telemetry system: Before giving NOC for O.A, SLDC ensures that the telemetry system is effectively established but since telemetry remains new area for customers, hence SLDC has to get involved at greater level and for a quite considerable period.

Intra-State Open Access and Inter-State Open Access by State Entities.

- The challenges with Open Access includes:

3. Maintenance: Many-a-times, it is seen that SLDC has to work as a bridge between embedded O.A consumers and APDCL when it comes to maintenance of the Meters and sometimes even related to outage of the dedicated feeders when planned shutdown of Sub-station is taken. It has even been noticed that O.A consumers often object to shutdown taken by SS for maintenance citing that they will incur production loss due to unavailability of power. Hence, such scenario may increase many fold when the O.A consumers will increase, thus the consumers are seen reluctant to follow Grid code even though they are well aware of the same.
4. Infrastructure constraint (Space con.) at SLDC due to increasing number of Telemetry related equipment.
5. Other important technical issues in connection to Telemetry (server location and the data type accordingly).

First Time Grid Integration by Renewable generations as well as non-renewable generations.

A total of 84 MW of Solar power has been Grid synchronised so far in Assam. In the pipeline a total of 120 MW of Solar generation is to be synchronised in the Grid very soon. As per information, the State generator is about to come up with a considerable quantum of Solar generation in the State and other private players are also about to contribute in the State Solar generation.

As renewable generation is a new experience for us particularly Solar Generation, therefore to go ahead SLDC Assam has adopted with few customization the "*Procedure for Integration of Solar, Wind or Hybrid Power Plant/Wind or Solar Power Parks, WPD/SPD/HPD those are regional entities under Section:2 of Consolidated Procedure* ***for First Time Charging/Energization (FTC) and Integration*** *of New or Modified Power System Element framed by NLDC".*

Monitoring of Renewable purchase Obligations by obligated Entities.

SLDC is the Nodal Agency to monitor the RPO compliance by the obligated entities in the State of Assam as per AERC.

SLDC co-ordinates with all the obligated entities, and keeps record along with authentic certificate of transactions.

The entities are obligated to purchase renewable (solar and non solar) power in percentages of total energy handled as set by the AERC. SLDC collects information of total Open Access Consumption from Open Access Customers, total Conventional power generation from CPPs and total sale to consumers from the Discom respectively, along with their renewable power purchase certificates to monitor the RPO compliance status of the entities. The compliance status report thus generated is forwarded to the AERC and NERLDC on a quarterly basis.

Intra-State Metering System

- Market Operation has prepared a detail Meter Census report on all the Meters connected to AEGCL Network including the interface meters.

- In the present scenario, MO co-ordinates to the Meter issues placed by GSS personnel, APDCL and NERLDC.

- Once SAMAST project is completed, our SAMAST wing will look after the Intra-State meters as per the "**Governance Structure – Role & Responsibilities of State Load Despatch Centre in terms of Metering"** by FOLD.

Tariff

AEGCL prepares and submits to AERC the ARR on behalf of SLDC at present as the separate ARR for SLDC is a new exercise.

But keeping in view that SLDC will get separated from AEGCL in the near future, SLDC officers are always involved in the ARR preparation process.

All the four sections viz., System Operation, Market Operation, SCADA/IT and SAMAST are involved in the process.

To be updated with the Regulations both by CERC and AERC.

Regulations and the Detail procedure in accordance; both by CERC and AERC guide MO, SLDC to function. Hence, it is a constant process that all the officers under MO are updating themselves with the MO relevant Regulations.

Preparation of Detail Procedure to the MO concerned Regulations framed by the Assam Electricity Regulatory Commission.

MO is responsible to prepare DP for the Regulations By AERC that are Market Operation functions related.

Training

The MO wing finds itself responsible to be trained and also to train for smooth and effective functioning of the Grid. Hence, it has participated in the following training programs more prominently apart from other trainings as well and are :

1. Open Access and Power Training-ABT Scenario (5^{th} -8^{th} Oct'21).
2. Online Refresher Course for Power System Operators, NPTI PSTI Bengaluru (13^{th} -18^{th} Dec'21).
3. Basic Level Power System Operation, NPTI PSTI Bengaluru (17^{th} May -18^{th} Dec'21).
4. Renewable Energy Grid Integration, NPTI Faridabad (25^{th} November'2020)
5. Specialist Level Power Market (23^{rd} Nov'2020)
6. Renewable Energy (RE) Forecasting & Renewable Energy Management Centers (REMCs)(24^{th} , 25^{th} & 27^{th} Jan'2022).

Project

- Mo has been proactive with the NOAR processes……

We have been active with the discussion of the module….

We have been active with the demo of the module….

We have been active with the go-live of the module……

We have participated to all the meetings that held for discussing the NOAR module……

We are still active with the project.

- We are related at core with our SAMAST project, we have come a long way with this project……

The Journey started with discussion at different levels with software developer, let it be logical level or say handling level…….

It felt really nice to see how the thinking has taken shape……

Being conscious of the fact that there is always an area where improvement scope still remains, we are moving ahead with all our best efforts and expects that two of our modules will be implemented from 3rd week of April'22.

Details of Manpower under Market Operation

The present Manpower strength of Market Operation is 5 Nos. under DGM (Operations);

1. AGM (Market Operation)
2. D.M (Market Operation)
3. A.M (Market Operation)
4. J.M (Market Operation)-2 nos.

For smooth and effective work functioning, each officer is entrusted with a specific responsibility out of the different responsibility areas.

Moreover, rotation of responsibilities is also in the strategy for all round Manpower skill development.

Benefits of Market Operation Wing

The formation of Market Operation Wing has:

1. Helped to streamline the work and every minute of the work could be given sufficient attention.
2. Increased the work efficiency with less time delay.
3. The customers are responded instantly from SLDC end whenever they approach SLDC for clarification or any other issues.
4. The wing has been able to do those works which was not possible for the earlier structure to respond.
5. Technically up-gradating itself with the latest technologies and Regulations.
6. The MO wing is dynamic in its work approach and prepares itself to handle future effectively and efficiently.

Roadmap ahead

Market Operation is expected to witness a more disciplined and systematic working environment with the execution of the different modules under SAMAST project.

The milestones to be achieved are:

1. Effective Intra-State Energy Accounting.
2. Starting of Deviation Accounting & Settlement.
3. Starting of Reactive Accounting & Settlement.
4. Formation of Pool account.
5. Raising of bills & settlement.

There will be in totality a streamlining effect which will be beneficial for the Grid and the organization.

The final words……

- It is said that "*each step in the right direction allows us to see further in that direction*" and to see in the right direction "*we just have to have the guidance to lead us in the direction until we can do it ourselves*" ……

- So a heartfelt thanks to NERPC, NERLDC and all state constituents for giving us a constant support and guidance.

- We do hope that together we definitely can make a difference…….

Thank you so much……

DEVIATION SETTLEMENT MECHANISM, 2022

Objective:

These regulations seek to ensure, through a commercial mechanism that users of the grid do not deviate from and adhere to their schedule of drawal and injection of electricity in the interest of security and stability of the grid

Scope:

These regulations shall be applicable to all grid connected regional entities and other entities engaged in inter-State purchase and sale of electricity.

Highlights:

I. Frequency Delinked

II. Old Regional Deviation Pool Account renamed as the Deviation and Ancillary Service Pool Account (To be managed by RLDC)

III. Calculation reference price is now based on Normal Rate of Charges for Deviations or Reference Charge Rate (for Seller only)

IV. Deficit in Pool Account of one region shall be mitigated by using surplus amount from Pool Account of other regions

V. For deficit in Pool Account of all regions, the balance amount shall be recovered through the RLDC Fees and Charges

New Definitions:

'Normal Rate of Charges for Deviation' means the charges for deviation (in paise/kWh)

'Reference Charge Rate' means in respect of a general seller whose

(i) ***tariff is determined under Section 62 or Section 63 of the Act***, Rs/ kWh energy charge as determined by the Appropriate Commission, or

(ii) ***tariff is not determined under Section 62 or Section 63 of the Act***, the daily weighted average ACP of the DAM segments of all the Power Exchanges, as the case may be;

Normal Rate of Charges for Deviations

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 net charges payable to the Ancillary Service Providers for all the Regions for that time block

Non-availability of ACP for any time block on a given day, ACP for the corresponding time block of the last available day shall be considered

Normal Rate of Charges for Deviations

For a period of one (01) year from w.e.f of these regulations:

Normal rate of charges for deviation in a time block (T) = Max [(weighted average ACP of the DAM), (weighted average ACP of the RTM), (weighted Average Ancillary Service Charge)] of all the regions for that time block (T)

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

Computation for Deviation

IN A TIME-BLOCK

Deviation for General Sellers (in %):	= 100 x [(Actual injection in MWh) – (Scheduled generation in MWh)] / [(Scheduled generation in MWh)]
Deviation for WS sellers (in %):	= 100 x [(Actual injection in MWh) – (Scheduled generation in MWh)] / [(Available Capacity)]
Deviation for Buyer (in %):	= 100 x [(Actual drawal in MWh) – (Scheduled drawal in MWh)] / [(Scheduled drawal in MWh)]

NOTE: 'WS seller' means a seller in case of a generating station based on wind or solar or hybrid of wind-solar resources.

Charges for Deviations: Seller

1. General Seller
2. Run-of-River Generating Station
3. Gen Station based on Municipal Solid Waste
4. Wind-Solar Seller

PAYABLE IN A TIME BLOCK

Charges for Deviations: General Seller

PAYABLE IN A TIME BLOCK

Deviation by way of Over-Injection

i. Upto 2% dev. → Zero.

Provided that such seller shall be paid back for Over-Injection →up-to 2% dev. →@ reference charge rate

ii. Above 2% dev. → @ 10% of the normal rate

Deviation by way of Under-Injection

(i) Upto 2% dev. → @ the reference charge rate

(ii) 2-10% dev. → @ 120% of the normal rate

(iii) Above 10% dev. → @ 150% of normal rate

Charges for Deviations: Run-of-River G.S

PAYABLE IN A TIME BLOCK

Deviation by way of Over-Injection

i. Zero.

Provided that such seller shall be paid back for Over-Injection → up-to 2% dev. → @ the reference charge rate

Deviation by way of Under-Injection

(i) Upto 2% dev.→ @ the reference charge rate

(ii) 2-10% dev. → @ the normal rate

(iii) Above 10% dev. → @ 110% of normal rate

Charges for Deviations: Buyer

1 Buyers
(Sch > 400MW)

2 Buyers
(Sch. up-to 400 MW)

3 RE Rich state Buyers

PAYABLE IN A TIME BLOCK

Charges for Deviations: Buyers (Sch > 400 MW)

PAYABLE IN A TIME BLOCK

Deviation by way of Under-Drawal

i. Zero.

Provided that such buyer shall be paid back for Under-Drawal as under:

a. Up-to 10% dev. or 100 MW, whichever is lower → @ 90% of normal rate

b. 10-15% dev. or 100-200 MW, whichever is lower → 50% of normal rate

Deviation by way of Over-Drawal

(i) Up-to 10% dev. or 100 MW, whichever is lower → @ normal rate

(ii) 10-15% dev. or 100-200 MW, whichever is lower → @ 120% of the normal rate

(iii) Above 15% dev. or 200 MW, whichever is lower → @ 150% of normal rate

Charges for Deviations: Buyers (Sch up-to 400 MW)

PAYABLE IN A TIME BLOCK

Deviation by way of Under-Drawal

i. Zero.

Provided that such buyer shall be paid back for Under-Drawal as under:

Up-to 20% dev. or 40 MW, whichever is lower → @ 90% of normal rate

Deviation by way of Over-Drawal

(i) Up-to 20% dev. or 40 MW, whichever is lower → @ normal rate

(ii) Above 20% dev. or 40 MW, whichever is lower → @ 120% of normal rate

Charges for Deviations:

PAYABLE IN A TIME BLOCK

1. Infirm power injection → Zero.

2. Start-up power drawal before COD of a generating unit or power drawal to run auxiliaries during shut-down of a generating station → @ normal rate (payable)

3. Inter-regional deviation & Cross-Border transactions, (over-drawal or under-injection) → @ normal rate

THANK YOU

HAVE A NICE DAY