



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/2018/2956-2998

Dated: 06.01.2021

**To**

1. Chief Engineer (Commercial) -cum- CEI, Deptt. of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
2. MD, APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
3. MD, AEGCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
4. MD, APGCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
5. MD, MSPDCL, Secure Office Bldg. Complex, 3<sup>rd</sup> Floor, 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 (Comml), NTPC Limited, ER-II HQ, Plot No. N-17/2, Third Floor, Naya Palli, Bhubaneswar-751012
20. MD, OTPC, 6<sup>th</sup> Floor, A Wing, IFCI Tower-61, Nehru Place, New Delhi-110019
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 40<sup>th</sup> CC meeting held on 15/12/2020 through online on “Microsoft Teams”**

Sir,

Please find enclosed herewith the minutes of the 40<sup>th</sup> Commercial Coordination Committee Meeting held through online mode on “Microsoft Teams” on 15<sup>th</sup> December 2020 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, 3<sup>rd</sup> Floor, 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. General Manager, 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, 6<sup>th</sup> Floor, A Wing, IFCI Tower-61, Nehru Place, New Delhi-110019
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 the 40<sup>th</sup> CCM

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

## **MINUTES OF THE 40<sup>TH</sup> COMMERCIAL COORDINATION**

### **SUB-COMMITTEE MEETING OF NERPC**

**Date:** 15/12/2020 (Tuesday) | **Time:** 11:00 hrs. | **Venue:** Online (MS Teams)

The 40th CC Meeting was held on 15<sup>th</sup> December 2020 on online mode through Microsoft Teams. The list of participants in the meeting is attached at **Annex. – A**.

The meeting started with opening remarks by Shri A.K. Thakur, Member Secretary, NERPC. Member Secretary extended warm welcome and greetings to all the participants attending the meeting and wished everyone for safe and sound health during COVID 19 pandemic. He impressed upon the vitality of CCM for fruitful deliberation and resolution of commercial issues. He requested to ensure the timely payment of the outstanding dues for sound financial health of the sector and the economy. He then requested Sh. S. M. Aimol, Director (Comml), NERPC to take up the agenda items for discussion.

Sh. S. M. Aimol, Director (C) thanked all the participants for attending the meeting despite current difficulties due to COVID19 pandemic. He informed the members that there would be two ppt presentations in the meeting: (i) on new POC mechanism by Shri A. Agrawal, AEE, NERPC and (ii) BCD under POC by Shri A. Daimari, Manager, NERTS. He wished for cordial deliberation and resolution of all the issues.

### **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 39<sup>TH</sup> COMMERCIAL SUB-COMMITTEE MEETING OF NERPC.**

Minutes of the 39<sup>th</sup> CC Meeting held at NERPC Conference Hall and through VC/MST on 28<sup>th</sup> August 2020 was circulated vide no. No.: NERPC/COM/CC\_Min/2018/870-912 dated 16<sup>th</sup> September 2020.

No observations have been received from constituents. The minutes of the 39<sup>th</sup> CCM may be confirmed.

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

**The sub-committee confirmed the minutes of the 39<sup>th</sup> CCM.**

## 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 *Implementation of recent CERC Regulations*

The status and highlights of following regulations which came into effect:

(1) The Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations 2020 came into force with effect from 01.11.2020.

(2) The Regulation 7(10)(b) of DSM Regulations (Fifth Amendment), came into force w.e.f. 1.12.2020.

#### Deliberation of the Sub-Committee

Director (C), NERPC apprised the members about the implementation of CERC (Sharing of inter-state transmission charges and losses), 2020, w.e.f. November 2020. He also briefly highlighted the changes implemented as per the DSM 5<sup>th</sup> Amendment which is effective from 30.11.2020.

Shri A. Agrawal, AEE, NERPC gave a presentation (**Annex-2.1a**) on CERC (Sharing of inter-state transmission charges and losses), 2020 and discussed the salient features of the new regulations. Further, a presentation was given by Shri A Daimari, Manager (Commercial), NERTS on Billing, Collection and Disbursement of inter-state transmission charges comparing the similarities & differences of BCD Procedure (Draft) as per Sharing Regulations, 2020 vis-à-vis BCD Procedure as per Sharing Regulations, 2010 (**Annex-2.1b**).

Director (C), NERPC appreciated the efforts put in by both the officers and showed encouragement to use the forum of NERPC as knowledge and idea sharing platform. He suggested NERLDC to give a presentation on Scheduling post new POC regulations in the next CCM.

*The Sub Committee noted as above.*

#### 2.2 *Certification of Ramping Performance of Thermal ISGS:*

With reference to the regulation 30 of Central Electricity Commission (Term & Condition of Tariff) Regulation 2019-24, detailed guidelines for assessment of ramping capability of thermal ISGS have been issued by NLDC vide letter dated

28.02.2020, wherein it is stated that a statement of summary of calculations shall be prepared by respective RLDCs and certified by RPCs, at the end of each month of the FY on cumulative basis. In the last CCM, NERLDC had informed that they will send the required information/statements and calculation to NERPC Secretariat after certain issues are clarified by NLDC.

NERLDC may inform about the status of its implementation.

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

NERLDC intimated that the revised procedure for Ramping Performance Certification was circulated by POSOCO for comments. The same is yet to be notified and expected date of notification would be by Jan 2021.

***The Sub Committee noted as above.***

### **2.3 Compensation for Secondary Fuel Oil Consumption:**

Under CERC Reg. No. L-1/219/2017 dated 05.05.2017 DOP on Reserve Shutdown & Compensation mechanism, the methodology to calculate compensation on account of heat rate degradation, Aux Consumption and Secondary Fuel Consumption, due to Part Load Operation and Multiple Start/Stop of Units for each beneficiary was subscribed.

It stipulates that the Calculation of Compensation for degradation of Secondary Fuel oil consumption for the year shall be done if total number of start-ups exceed  $7 \times$  no. of units in the generating station. Compensation for degradation of Secondary Fuel Oil Consumption (in terms of KL of Secondary Oil) shall be calculated by multiplying number of start-ups exceeding 7 per unit, which are solely attributable to reserve shutdowns, with the appropriate value of additional secondary oil consumption specified in Regulation and shall be restricted such that Oil Consumption based on Normative plus Compensation calculated as above does not exceed actual Secondary Fuel oil consumption for the year. Each start-up due to reserve shutdown shall be attributed to the beneficiaries, who had requisitioned below 55% of their entitlement. For example, if the station consists of 3 Units and there are total 28 outages (Forced/Planned/RSD) for a year, out of which 9 are attributable to RSD, then Compensation shall be calculated for number of start-ups exceeding  $7 \times 3 = 21$ , which are solely attributable to reserve

shut-downs., i.e.,  $28 - 21 = 7$  outages would be considered for compensation of degradation of SFC.

Among the above reserve shut-downs, if there are 4 Cold, 3 Warm and 2 Hot RSD category, then oil compensation will be computed as  $(COLD*4 + WARM*3 + HOT*2) * 7 / \text{Total start-ups attributable RSD (9)}$ ; i.e., averaging out the impact of different types of startups.

NERLDC is requested to furnish the relevant requisition data of the beneficiaries pertaining to Generating Station(s) for the period, blocks, based on which decision to take generator(s) under RSD is taken. Compensation (in terms of Rupees) shall be shared amongst the beneficiaries in the manner prescribed in the regulation.

The illustrations are provided in the **Annexure 2.3**

Placed for the deliberation/concurrence of the sub-committee.

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

The detailed method of calculating and apportioning Secondary Oil Compensation was discussed in the forum through an illustration by NERPC. The process of averaging the oil consumptions for RSD beyond  $n \times 3$  (n is the no. of units) outages was explained.

Smt. S Tripathy, DGM, NTPC asked if for 45 total outages in a 3 units plant, among which 17 outages were attributable to RSD, how many RSD would be considered for calculation of oil compensation. Sh. Agrawal, AEE, NERPC responded that beyond 21 ( $7 \times 3$ ) outages, up to maximum 24 (i.e.,  $45 - 21 = 24$ ) would be allowed if attributable to RSD, however, in this case, all 17 would be considered.

Sh. Manash P Nath, Sr. Manager, NERLDC requested to explain the method of apportioning the total oil compensation among the beneficiaries. The same was explained by NERPC as given in the CERC regulation.

The sub-committee endorsed the procedure for calculating the oil compensations to be issued by NERPC Secretariat.

#### **2.4 *Statement of Compensation for Degradation of Heat Rate etc.:***

CERC vide order dated 11.1.2010 in Petition No 134/2009 with I.A. No. 54/2009 had decided that scheduling of URS power from one beneficiary to other beneficiary of a generating station would be treated as reallocation of power on temporary basis. This re-allocation is issued by NERPC through its monthly URS Statement. Further, this re-allocation as published in the URS Statement, is used by ISGS for distributing the Capacity Charges among the beneficiaries.

Under CERC Reg. No. L-1/219/2017 dated 05.05.2017 DOP on Reserve Shutdown & Compensation mechanism, the methodology to calculate compensation due to heat rate degradation etc. for each beneficiary was subscribed. As per the regulation, the beneficiary shall pay the compensation in proportion to its un-requisitioned energy below 85% of its entitlement during the calculating period. The entitlement used is based on original allocation. Since, the original allocation is revised after adjusting URS power among beneficiaries, the entitlement should also change accordingly. It was proposed in the 39<sup>th</sup> CCM with illustration, for distributing compensation as per the URS adjusted entitlement.

NTPC and NERLDC concurred with the reasoned proposal by NERPC. However, Assam and Mizoram asked for some time to study the proposal on their own. It was decided that the said proposal will be reviewed in the next CCM and in meanwhile the entities will examine it.

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

As a part of review of the proposed procedure of distributing compensation based on URS adjusted allocations rather than original Ministry of Power (MoP) allocations, the agenda item was taken up in the meeting. Members could not arrive at consensus for its implementation and opined that the existing method of using entitlement based on original allocation of MoP may be continued unless explicitly specified by CERC in future.

Therefore, it was decided that the said proposal would be dropped for time being and the existing practice of using entitlement based on original MoP allocations shall be continued.



## 2.5 Tabulation of revenue earned through regulation of power to beneficiary states of NER:

Concerned utilities are to submit the required information in the format given below.

Financial Year: e.g., 2020 – 2021										
Regulating Entity:	Generating station from where regulation is done	Quantum of regulated power (in MWH)	Mode of sale of regulated power (through exchange or through traders or DSM etc)	Total revenue earned from sale of regulated power (In Rs.)	Detail of expenditure incurred towards (a) adjustment of energy charges (b) registration fee for exchanges or traders' fee etc (c) Any other incidental expenses with detail (In Rs.)			Amount of outstanding dues of the Regulated Entity. (In Rs.)	Amount adjusted against the outstanding dues of the Regulated Entity (In Rs.)	Remaining amount, if any, to be passed on to the Regulated Entity (In Rs.)
(1)	(2)	(3)	(4)	(5)	(6)			(7)	(8)	(9) = (5)-(6)-(8)
					(a)	(b)	(c)			
Regulated Entity:										

NOTE: If (9) is negative, then it indicates that outstanding due has not been recovered fully.

Presently, NTPC and OTPC is regulating Power to MeECL. NTPC and OTPC are required to furnish details as above.

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

Shri S K Pradhan, AGM, NTPC stated that they had furnished the details of revenue earned through regulation of power for FY 19-20 to NERPC Secretariat. The details for FY 20-21 up to December 2020 would be furnished to NERPC Secretariat by January 2021.

Sh. Arup Sarmah, GM, OTPC informed that the regulation of power by OTPC to Meghalaya was effective only till 13.09.2020, for which the required data already submitted to NERPC Secretariat.

## 2.6 Status of Board Fund Contribution for FY 2019-20 and 2020-21:

The status of payment for FY 2019-20 and 2020-21 is as given below:

F.Y 2019-20			
Constituents	Status of Payment	Constituents	Status of Payment
NTPC	Payment Received	Ar. Pradesh	Payment Received
NHPC	Payment Received	Assam / APDCL	<b>DUE</b>
PTC	Payment Received	Manipur/MSPDCL	Payment Received
NVVN	Payment Received	Meghalaya/MeECL	Payment Received
OTPC	Payment Received	Mizoram	Payment Received
NEEPCO	Payment Received	Nagaland	Payment Received
PGCIL	Payment Received	Tripura/TSECL	Payment Received

F.Y 2020-21			
Constituents	Status of Payment	Constituents	Status of Payment
NTPC	Payment Received	Ar. Pradesh	Payment Received
NHPC	Payment Received	Assam / APDCL	<b>DUE</b>
PTC	Payment Received	Manipur/MSPDCL	<b>Rs 89000/- DUE</b>
NVVN	<b>DUE</b>	Meghalaya/MeECL	<b>DUE</b>
OTPC	Payment Received	Mizoram	<b>DUE</b>
NEEPCO	Payment Received	Nagaland	<b>DUE</b>
PGCIL	Payment Received	Tripura/TSECL	<b>DUE</b>

Concerned constituents are requested to kindly deposit their respective amount towards Board Fund of NERPC for FY 2019-20 and 2020-21 at the earliest.

### Deliberation of the Sub-Committee

NERPC requested all the concerned constituents to kindly pay the outstanding dues pertaining to the board fund. APDCL informed that they have settled their dues recently for both FY 19-20 and FY 20-21. MSPDCL informed that the dues of Rs 89,000/- in respect of Manipur would be paid shortly.

All concerned remaining constituents were requested to kindly pay at the earliest before closing of FY 2020-21.

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

### **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 ₹ 29.51 Cr which includes principal amount of ₹ 10.53 Cr and Late Payment Surcharge (LPS) of ₹ 18.98 Cr (up to 31.10.2020) is due for payment from MeECL/MePDCL, Meghalaya. It is reiterated that amount outstanding beyond a period of 45 days from date of billing is attracting late payment surcharge at the rate of 1.5 % per month as per CERC (Terms & Conditions of Tariff) Regulations, 2019. The NHPC's auditors are stressing upon NHPC to realise pending huge outstanding dues at the earliest. NHPC has consistently giving remainders to 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 at agenda no. 3, wherein 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. But, till date NHPC has neither received any payment nor received any information regarding this outstanding payment even our frequent request.

"MeECL/MePDCL, Meghalaya may be directed to liquidate the entire outstanding dues of ₹ 29.51 Cr (including Late Payment Surcharge of ₹ 18.98 Cr up to 31.10.2020) immediately as assured in the 39<sup>th</sup> CCM."

#### **(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 31.09.2020, the same are to be verified and endorsed by MeECL, Meghalaya. The statements are pending till date.

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

NHPC representative apprised the forum about the financial stress being faced by them on account of high outstanding dues from Meghalaya. He also stated that the signing of reconciliation statements w.e.f. 01.01.2020 are pending from Meghalaya.

He requested MePDCL to kindly liquidate the outstanding dues at the earliest as assured of a one-time settlement in 39<sup>th</sup> CCM.

Due to poor connectivity on MST, the representative of MePDCL was connected over the phone during the meeting. EE (EM), MePDCL informed over phone that the Aatma Nirbhar Bharat package loan is expected to be received very shortly following which the outstanding payments of all the entities including Gencos and POWERGRID would be settled positively.

MePDCL, Meghalaya was requested to liquidate the entire outstanding dues as early as possible or at least principal amount to avoid further levy of surcharge. MePDCL was also requested to expedite signing of the reconciliation statement.

### **3.2 Issue with MSPDCL (Manipur):**

An amount of ₹ 23.61 Cr is due for payment (including surcharge of ₹ 0.21 Cr up to 31.10.2020) from MSPDCL, Manipur since August, 2020. MSPDCL, Manipur may be directed to liquidate the amount at the earliest to avoid late payment surcharge.

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

MSPDCL responded that they would clear the outstanding dues of NHPC within December 2020.

## **4. AGENDA ITEMS FROM NTPC**

### **4.1 *Liquidation of Outstanding by MeECL, Meghalaya and MSPDCL, Manipur:***

Sl. No.	Beneficiaries	Principal Amount (in Rs Cr)	Late Payment Surcharge	Total Outstanding in Cr. as on 01.12.2020	Outstanding more than 45 days as on 01.12.2020 (in Rs Cr)
1	MeECL, Meghalaya	449.75	142.55	592.31	573.00
2	MSPDCL, Manipur	64.38	0	64.38	54.00

Meghalaya and Manipur are requested to make the payment at the earliest.

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

Sh. Pradhan, AGM, NTPC informed the forum about the outstanding dues of MeECL and MSPDCL. He requested response from the representatives of both the organizations.

From MSPDCL, Sh. Satyajeet Singh, Manager updated that the due sanction of funds was already accorded by the competent authority. He informed that the payment of around Rs. 30 crores would be released within December 2020 and the remaining outstanding is also expected to be cleared by 15<sup>th</sup> February 2021.

Due to poor connectivity on MST, the representative of MePDCL was connected over the phone during the meeting. EE (EM), MePDCL informed over phone that the Aatma Nirbhar Bharat package loan is expected to be received very shortly following which the outstanding payments of all the entities including Gencos and POWERGRID would be settled positively.

#### **4.2 Opening of Letter of Credit:**

As per MOP-GOI order No. 23/22/2019-R&R, dated 28th June 2019 regarding Opening and Maintaining of adequate Letter of Credit (LC) as Payment Security Mechanism under Power Purchase Agreements by Distribution Licensees. The following beneficiaries have inadequate/partial LC of required amount:

<b>Sl. No.</b>	<b>Beneficiaries</b>	<b>LC Required As per PPA (Cr.)</b>	<b>Remarks</b>
1	MeECL, Meghalaya	18.92	Partially opened for Rs 13.60 Cr
3	MSPDCL, Manipur	13.32	Partially opened for Rs 3.79 Cr

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

Shri Satyajeet Singh, Manager, MSPDCL updated that they would make all efforts to open the required LC by 31st Jan 2021.

Meghalaya was also requested to enhance requisite LC as stipulated in the CERC regulations at the earliest.

## 5. AGENDA ITEMS FROM NEEPCO

5.1 Outstanding dues of beneficiary's payable to NEEPCO as on 30.11.2020 are as follows:

Outstanding Status as on 30.11.2020					Rs. In Lakhs
Sl. No.	State (UT)	Name of Beneficiary	Outstanding Principal already due (> 45 days)	Late Payment Surcharge (LPS) Due	Total Due (Inclusive of LPS)
1	2	3	4	5	6=4+5
1	Assam	APDCL	4248.83	99.32	<b>4348.15</b>
2	Mizoram	P & E Dept, Mizoram	0.00	1.36	<b>1.35</b>
3	Manipur	MSPDCL, Manipur	3447.37	58.71	<b>3506.08</b>
4	Tripura	TSECL	10685.56	2419.99	<b>13105.55</b>
5	Ar. Pradesh	DoP, Ar. Pradesh	0.00	7.76	<b>7.76</b>
6	Nagaland	DoP, Nagaland	0.00	0.00	<b>0.00</b>
7	Meghalaya	MeECL	36391.40	33524.58	<b>69915.98</b>
8	Chhattisgarh	CSPDCL	0.00	0.19	<b>0.19</b>
9	Haryana	HPPC	0.00	0.00	<b>0.00</b>
10	Uttar Pradesh	UPPCL	2327.97	46.97	<b>2374.94</b>
	<b>Grand Total</b>		<b>57101.12</b>	<b>36158.87</b>	<b>93259.99</b>

Due to accrual of such outstanding dues, NEEPCO is facing acute financial crunch to meet its day-to-day expenditure including fuel cost required for operating its thermal power stations.

The above is for deliberation of the house, with a request to MePDCL, Meghalaya in particular, to appraise the house on their action plan for early settlement of the said dues.

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

Shri D. Choudhury, GM (Comm) NEEPCO apprised the members about the high outstanding dues of MeECL, Tripura and also of Assam, Manipur and Uttar Pradesh, which is causing extreme financial stress in functioning of the organization. He highlighted the rising cost of surcharges for late payment and requested to expedite clearing the outstanding. The updated figures of the outstanding were referred in the meeting (**Annex 5.1**).

MSPDCL responded that they would clear the outstanding dues by December 2020. APDCL had informed that they would settle the outstanding dues by end of FY 2020-21.

Tripura informed that they would be releasing an amount of approx. Rs. 30 crores shortly.

All the concerned entities were requested to clear the dues of NEEPCO at earliest.

### **5.2 Request for consent to the proposal of NEEPCO for charging Rationalization of tariff from Pare HE Plant (110 MW)**

*(Ref: Record of Proceedings of hearing dated 27.07.2020 in Petition No. 548/GT/2020 for Pare HEP.)*

Above mentioned agenda was deliberated in the forum of NER Beneficiaries in the last CCM (i.e., 39<sup>th</sup> CCM, dated 28.8.2020) and requested to all beneficiaries to convey their consent to the proposal for charging of rationalized tariff, as requested by Hon'ble Commission.

As recorded in the minute of 39<sup>th</sup> CC meeting, the Hon'ble Member Secretary, NERPC has requested to all beneficiaries for full corporation with NEEPCO to review the tariff with maximum available scope for benefits of beneficiaries. The recorded decision in the minute is reproduced as follows:

***“Due to divergence of views and reservations in giving consent, it was decided that within 15 days from the issue of minutes, the beneficiaries shall respond to NEEPCO along with any suggestions for achieving affordability in the rates. All beneficiaries were also advised to attend the***

***CERC hearing as and when it is held and present their views to Hon'ble CERC as well".***

In response to the above decision, we have received suggestions on above from the following beneficiaries:

1. Assam Power Distribution Company Limited.
2. Power and Electricity Department, Govt. of Mizoram.
3. Power Department (Commercial &CEI), Govt. of Arunachal Pradesh.

**In view of the above, it requested to the remaining beneficiaries for early submission their consent on rationalized tariff of Pare HEP with any suggestions for further consideration and take up with CERC.**

**Deliberation of the Sub-Committee**

NEEPCO informed that they have received suggestions from APDCL, Mizoram and Arunachal Pradesh and requested other entities to kindly send their suggestions as the CERC hearing would be held shortly.

**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 05-12-2020) are as under:

(Amount in Rs Crores)

SI. No.	Beneficiary	Outstanding Dues (>45 Days)	Total Outstanding
1	Arunachal Pradesh	0	0
2	Assam	67.93	123.42
3	Manipur	26.13	35.79
4	Meghalaya	149.78	152.76
5	Mizoram	0	2.70
6	Nagaland	0	0
7	Tripura	3.40	47.23
	<b>Total</b>	<b>247.23</b>	<b>361.90</b>



The total outstanding dues as on 05-12-2020 are Rs 361.90 Crores out of which outstanding beyond 45 days is Rs 247.23 Crores. The outstanding dues of Meghalaya, Assam and Manipur have accumulated to concerning levels. The auditors have been regularly reflecting the issue of outstanding dues and absence of LC from Meghalaya as a special concern in our Board Meetings. Constituents, especially Meghalaya, Assam and Manipur 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 pending amount upon Meghalaya as the dues have not been liquidated despite continued requests.

**Deliberation of the Sub-Committee**

GM, OTPC shared his concern for rising dues of Meghalaya, Assam and Manipur. He impressed upon the concerned entities to make payment to OTPC on priority basis as OTPC being a small organization has huge dependence on timely settlement of its dues. MePDCL, Meghalaya was specially requested to clear at least outstanding beyond 45 days on priority.

MSPDCL assured that the payment for at least 45 days would be made within December 2020. APDCL also informed that they would clear all the outstanding dues shortly.

Concerned beneficiary states were requested to clear outstanding dues of OTPC at the earliest.

**6.2 Status of Payment Security Mechanism of the beneficiaries required against monthly energy billing as per Power Purchase Agreement and CERC regulations.**

Sl. No.	Beneficiary	Letter of Credit (LC) required as per PPA (Rs Crore)	LC amount status (Rs Crore)	Valid Up to	Remarks
1	Arunachal Pradesh	11.62	11.62	31 <sup>st</sup> Mar, 2021	LC is in place
2	Assam	44.53	44.53	27 <sup>th</sup> Apr, 2021	LC is in place
3	Manipur	8.7	3.75	27 <sup>th</sup> Mar, 2021 12 <sup>th</sup> Feb, 2021	LC is in place

4	Meghalaya	17.22	To be provided	NA	Meghalaya may reinstate the LC at an early date
5	Mizoram	9.6	9.6	6 <sup>th</sup> May, 2021	LC is in place
6	Nagaland	9.46	9.46	20 <sup>th</sup> Mar, 2021	LC is in place
7	Tripura	30.93	30.93	19 <sup>th</sup> Mar, 2021	LC is in place.

Meghalaya state is scheduling power by paying on day ahead basis. As, Ministry of Power (MoP) has issued directions to NLDC/RLDC mandating the presence of LC for dispatch of power, Meghalaya is requested to reinstate the LC for scheduling power from Palatana Project.

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

Meghalaya is requested to reinstate the LC for scheduling power at the earliest as per MoP order and as stipulated under CERC regulations.

### **7. AGENDA ITEMS FROM NERTS/POWERGRID**

#### ***7.1 Outstanding dues:***

The total outstanding dues of POWERGRID's NER beneficiaries as on **07.12.2020** is detailed below. Please note that these figures include both PoC as well as non-PoC outstanding amounts.

*(All Figures in INR Crores)*

<b>State/DIC</b>	<b>Total Outstanding</b>	<b>Outstanding more than 45 days</b>	<b>Average billing (FY 2020-21)</b>	<b>Remarks</b>
APDCL (Assam)	<b>157.59</b>	<b>40.31</b>	55.77	<b><i>Approx. 03 months receivables</i></b>
MeECL (Meghalaya)	<b>93.95</b>	<b>77.54</b>	7.96	<b><i>12 months receivables</i></b>

MSPDCL (Manipur)	<b>31.41</b>	<b>20.55</b>	5.48	<b><i>06 months receivables</i></b>
Mizoram	<b>19.05*</b>	<b>10.33**</b>	4.09	<i>*Rs.9.34Cr pertains to Melriat-Sihhmui TL &amp; associated bays, which is being disputed by PEDM</i>  <i>**PoC dues &gt;45 days: Rs.2.07Cr</i>
MSPCL (Manipur)	<b>2.39</b>	<b>2.20</b>	0.10	<b><i>20 months receivables</i></b>
Ar. Pradesh	<b>4.02</b>	-	2.89	-
Nagaland	<b>6.40</b>	-	5.26	-
TSECL (Tripura)	<b>4.48</b>	-	3.60	-
<b>Total</b>	<b>319.29</b>	<b>150.93</b>	<b>85.15</b>	-

Concerned DICs with >45 days outstanding dues, viz. MeECL, APDCL, MSPDCL, Mizoram & MSPCL may be impressed upon to clear the outstanding dues immediately since POWERGRID is facing financial constraints due to accumulation of such huge outstanding dues. Further, MeECL, MSPDCL & MSPCL may be specifically requested to clear their outstanding dues as it has accrued well beyond 120 days.

**Deliberation of the Sub-Committee**

DGM (Commercial), NERTS expressed serious concern regarding delay in payment of outstanding dues by Meghalaya, Assam, Manipur and Mizoram. He stated that POWERGRID, by virtue of being CTU, has to ensure the timely realization of payment from DICs for disbursement to ISTS licensees. Further, delay in payment by DICs also severely affects the financial health of the organization which in turn adversely impacts the progress of ongoing projects due to difficulty in making timely payment to the vendors. He insisted on concrete timelines from the members.

MSPDCL responded that they would clear all their outstanding dues >45 days within December 2020.

APDCL informed that they would pay substantial chunk of their outstanding dues within December 2020 and clear all balance outstanding dues by the end of current FY.

All the concerned beneficiaries were requested to liquidate the outstanding dues of NERTS at the earliest.

**7.2 LC requirement against PoC billing as per Cl. No. 3.6 of BCD (Billing Collection and Disbursement) Procedures of CERC order no. L-1/44/2010-CERC, Dtd. 29.04.11:**

REQUIREMENT AND STATUS OF LC AS ON DATE (07.12.2020) OF NER BENEFICIARIES

*(All Figures in INR Lakh)*

Sl. No.	Beneficiary	Required LC Amount	Validity of existing LC	Total LC Amount maintained/to be maintained including enhanced value		
				Existing	Enhancement Required	Total
1	Ar. Pradesh	321.46	31.03.2021	321.46	0.00	321.46
2	APDCL (Assam)	5192.00	30.04.2021	5192.00	0.00	5192.00
3	MSPDCL (Manipur)	502.51	27.03.2021	236.79	265.72	502.51
4	MeECL (Meghalaya)	451.42	04.10.2020	451.42	0.00	451.42
5	Mizoram	295.08	04.05.2021	295.08	0.00	295.08
6	Nagaland	437.73	21.03.2021	437.73	0.00	437.73
7	TSECL (Tripura)	367.00	03.03.2021	367.00	0.00	367.00

MSPDCL (Manipur) may be impressed upon for enhancement of LC to requisite amount at the earliest since this long pending issue has become a serious audit observation for us.

**Deliberation of the Sub-Committee**

DGM, NERTS stated that the non-enhancement of LC of MSPDCL is a long pending issue and had become a serious audit observation and thus requested MSPDCL to enhance their LC against PoC charges in line with CERC stipulations at the earliest.

MSPDCL stated that the bank is asking for board resolution and that the Board meeting is due in December 2020, after which they will expedite enhancement of requisite LC and the same is expected to be resolved within December 2020.

***7.3 Recovery of Expenditure incurred towards Supply & Installation of SEMs, DCDs and Laptops (for procurement up to FY 2016-17) by POWERGRID from NER states***

Bills for recovery of expenditure incurred towards Supply & Installation of SEMs, DCDs and Laptops (for procurement up to FY 2016-17) to NER states were raised by POWERGRID on 12.03.2020 amounting to Rs.1.69 Crores. However, no payment has been received yet from any state against the same.

All NER DICs are requested to kindly clear their outstanding dues at the earliest.

**Deliberation of the Sub-Committee**

The breakup of bill details of SEM, DCDs and laptops are given at **Annex-7.3**. All beneficiaries were requested to clear the dues at the earliest.

***7.4 Details of SEMs, DCDs/ CMRIs procured/ to be procured under PoC Mechanism.***

100 nos. SEMs and 20 nos. DCDs have already been received at Misa SS and the same is under process of installation/handing over to DICs. Further, amendment has been issued against quantity variation clause of the existing LOA for procurement of additional 50 nos. SEMs and 10 nos. DCDs, and the delivery is expected shortly.

In addition, as per estimation done by NERLDC, procurement process for 125 nos. SEMs and 15 nos. DCDs/ CMRIs with quantity variation clause to take care of future requirement, if any, is under process.

The summary of the above said procurement is given hereunder: -

	SEMs (Nos.)	DCDs/ CMRIs (Nos.)
Already received & Under process of installation/ handing over	100	20
Procurement order placed through quantity variation clause under existing LoA	50	10
Under Procurement process	125	15
<b>Total</b>	<b>275</b>	<b>45</b>

It is requested that the forum may kindly agree to forward this for ratification by RPC (in the next meeting), as the same shall be required for filing tariff petition in CERC

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

The Sub-committee endorsed the procurement of 275 nos. SEMs and 45 nos. DCDs/ CMRIs, under PoC mechanism, as above to be put up for ratification in the RPC meeting.

## **8. AGENDA ITEMS FROM NERLDC/POSOCO**

### **8.1 *Deviation charges outstanding***

Status of Deviation charges outstanding as on 04/12/2020 is attached (**Annexure-8.1**).

Assam & Manipur are the major defaulters. Assam - O/s Payable to Pool ₹ **11.01 Crores** [O/s greater than 90 Days is **Nil**] & Manipur - O/s Payable to Pool ₹ **5.76 Crores** [O/s greater than 90 Days is ₹ **4.83 Crores**]. Clearance of o/s payable had been regularly followed up and raised in OCCM several times, also in 39<sup>th</sup> CCM. As recorded in 39<sup>th</sup> CCM Minutes, Manipur/MSPDCL was supposed to clear their o/s by end of September 2020.

Assam & Manipur are 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 informed that APDCL and MSPDCL have high outstanding dues, which is impacting the payment to the pool. It is also informed that DSM (Pool) Settlement is having high priority and because of that Deviation charges are accounted on weekly basis and due time for payment is also short (10 days). Pool members should clear their due on time.

MSPDCL responded that Rs. 1.5 crores had been released on 10<sup>th</sup> December 2020, another Rs. 2 Crores is in process of disbursement within December 2020 and rest of the dues will also be cleared by January 2021.

APDCL would be clearing some portion of the outstanding by this month and would gradually clear the balance by end of current FY.

All concerned utilities were requested to liquidate the outstanding dues pertaining to the deviation charges at the earliest.

### **8.2 Reactive charges outstanding**

Status of Reactive charges outstanding as on 04/12/2020 is attached (**Annexure-8.2**). O/s Payable to Reactive Pool by Assam - ₹ 97.46 Lakhs, Meghalaya - ₹ 21.33 Lakhs, Mizoram - ₹ 1.43 Lakhs & Nagaland- ₹ 1.29 Lakhs.

Assam, Meghalaya, Mizoram & 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**

Mizoram informed that o/s amount of Rs. 1.43 lakhs would be released soon.

Assam raised concerns over reactive charges calculation as their O/s is rising. NERPC stated that reactive accountings are done based on actual meter reading received from NERLDC.

NERTS informed that the old meters at Azara have been replaced. NERLDC however informed that the data is yet to be received. NERLDC also stated that the issues regarding high reactive charges may be resolved after accounting with the new SEM readings.

NERPC informed that earlier period statements would not be revised as reactive charges were accounted based on SEM data received from NERLDC.

NERLDC requested APDCL to clear the outstanding due to avoid the late payment surcharges.

NERLDC suggested that Meghalaya's reactive outstanding dues could be settled with the available surplus/receivable in DSM if consent is given by Meghalaya. Meghalaya was therefore requested to give consent to NERLDC.

All the concerned entities were requested to liquidate their outstanding dues pertaining to the reactive charges at the earliest.

### **8.3 *Signing of Reconciliation Statements: -***

Status of signing of Reconciliation statement of DSM & Reactive is attached in **Annexure-8.3**.

In case of DSM Reconciliation, Tripura has not reconciled for long period.

In case of Reactive Reconciliation, Tripura has not reconciled for long period.

All the constituents are requested to sign recent reconciliation statements as early as possible.

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

All constituents were requested to sign reconciliation statements and communicate to NERLDC at the earliest.

Tripura requested the visit of NERLDC officer to Agartala for resolving their DSM settlement issues. NERLDC requested Tripura to send their specific issues as consolidated Reconciliations Statement had already been provided as per their request. Requirement of visit will be decided after examining their specific concerns.



#### **8.4 *Pool Settlement on Net basis***

In the 39th CCM (Agenda No. 9.5), NERLDC had proposed a new pool settlement methodology and same had approved in the forum. NERLDC has successfully shifted to new settlement methodology i.e., Net basis settlement from 21-09-2020 onwards (date of commencement as notified by NERPC).

This is for kind information of all regulatory pool members.

If any difficulty is being faced by any pool member, the same may please be discussed.

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

NERLDC informed the sub-committee of the smooth implementation of Pool Settlement Mechanism Procedure as approved in the 39<sup>th</sup> CCM and asked for comments or observations if any faced by constituents. None of the pool members have informed of any difficulty on implementation of the new settlement methodology. Director (Comml), NERPC congratulated NERLDC and all pool members for the successful implementation of the new settlement methodology.

#### **8.5 *Publishing of DSM and Reactive Interest statement***

In the 39<sup>th</sup> CCM (Agenda No. 9.6), NERLDC requested NERPC to publish DSM & Reactive Interest statements (as followed in other regions). NERPC stated to review it in future. Status of same may be deliberated by NERPC.

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

NERLDC stated that interest calculation and publishing of statement has been taken over by some RPCs in other regions and requested NERPC also to take up this responsibility.

Director (Commercial), NERPC reiterated that as discussed in last CCM, it would be more appropriate and convenience for NERLDC to handle this responsibility for now. NERPC is examining and assessing the requirement of softwares updation etc and the same can be reviewed in future.

#### **8.6 *Operationalization of New Regulatory Pool Accounts maintained by NERLDC***

In the 39<sup>th</sup> CCM (Agenda No. 9.7), NERLDC requested all the pool members to pay in New Regulatory Pool accounts via their unique sub accounts. It has been

observed that Manipur, Mizoram, Tripura & OTPC are still paying in Old Regulatory Pool accounts. Therefore, it is once again requested to pay only in New Regulatory Pool accounts (Unique sub account details given in **Annexure-8.6**).

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

All concerned utilities were requested to make payment to their respective unique-sub accounts for settlement of Deviation, Reactive and Congestion Accounts. OTPC, Tripura, Mizoram and MSPDCL were requested to remind their respective account/finance authorities for further needful and if there are any issues, they are requested to discuss with NERLDC.

#### **8.7 Payment of NERLDC Fees & Charges through RTGS**

In the 39th CCM (Agenda No. 9.10), NERLDC requested Mizoram to discontinue their payment against NERLDC Fees & Charges in NERLDC SBI account (AC No.- 31661721339). And instead to pay in F&C Indian Bank Account as NERLDC is going to close the SBI account. Payment from Mizoram is still being received in SBI A/c. It is once again requested to make all the payment related to NERLDC Fees & Charges in Indian Bank Account. The details are mentioned below:

**Account Name: POSOCO-NERLDC-COLLECTION ACCOUNT**

**Bank Name: INDIAN BANK, G.S. ROAD, SHILLONG**

**Account Number: 945158735**

**RTGS / IFS Code: IDIB000S019**

**POSOCO Pan No: AAFCP2086B**

**POSOCO Tan No: SHLP01922E**

**NERLDC GSTIN: 17AAFCP2086B1ZN**

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

Mizoram stated that they would take up the matter with the finance dept. and assured that all the future payments would be made into the Indian Bank account.

#### **8.8 Signing of NERLDC Fees & Charges Reconciliation Statements: -**

The Reconciliation statement of NERLDC Fees & Charges bill for the period from July' 20 to Sept' 20 was issued on 20/10/2020 against F&C users which is also available in our website. It is requested to arrange signing of the same on behalf of

your Organization and to send a copy to us after signing from your end at the earliest.

**Deliberation of the Sub-Committee**

All constituents were requested to sign Fees & Charges reconciliation statements and communicate to NERLDC at the earliest.

**8.9 Replacement of SEMs:**

It is to inform that 100 SEMs and 20 DCDs had been procured. Replacement of faulty SEMs and location for new SEM installation had been discussed in the last OCCMs and list of identified locations had been submitted. Locations for distribution of DCDs had also been submitted in the last 172<sup>nd</sup> OCCM. Same is attached as **Annexure 8.9**.

Status of SEM replacement/ installation in new locations and Distribution of DCDs may be reviewed.

**Deliberation of the Sub-Committee**

NERTS representative informed that status of replacement of SEMs and distribution of DCDs etc. are time to time updated in OCCM. He further stated that the latest update on replacement of SEMs and DCDs would be furnished in CCMs also.

The list of SEM and DCD distribution was furnished in the meeting (**Annex-8.9**)

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

**8.10 Adjustment of actual metered energy drawal of Assam, Arunachal, Nagaland POWERGRID:**

Ref: 39<sup>th</sup> CCM vide Agenda 9.8.

Nagaland informed that their drawl from Assam through 11kV lines would be discontinued shortly. Nagaland adjustment is still going on, therefore timeline for discontinuation be given by Nagaland.

Ar. Pradesh requested to have a special meeting with Assam to discuss the issue thoroughly with the presence of NERLDC and NERPC representatives. Accordingly, the special meeting was scheduled on 05.11.2020, but matter could not be resolved fully. Further progress may discuss and dead line of discontinuation may

define. NERLDC also wants to discontinue the process of sending converted JMR energy (monthly Joint Meter Reading) to block-wise energy for incorporation in DSM accounting.

NERTS will install SEMs for accounting of their auxiliary consumption. The agenda has been discussed in OCCMs several times and in the last 172nd OCCM, NERTS expressed their inability to install the meter as 5A CTs are not available and the SEMs are having only 1A CT secondary connection. Matter may discuss again for bilateral settlement in between Assam and POWERGRID to avoid adjustment in DSM.

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

Nagaland informed that they would require till March 2021 to completely discontinue drawl from Assam as the newly commissioned transformer at Mokokchung got damaged.

NERTS informed that installation of SEM for calculation of auxiliary consumption is not possible due to non-availability of 5A CT and Type-B SEM. They will provide the SLD to NERLDC for discussion with other regions to find out the technical viability.

NERLDC expressed reservations in continuation of the existing system and further suggested Assam to send the JMR apportioning in 96 blocks.

Director (Comml), NERPC stated that efforts are being made to improve the system. As far as Assam with Ar. Pradesh is concerned, NERPC had convened a special meeting and has received inputs and suggestions from APDCL and NERLDC. NERPC would soon publish a report and discuss the issue again by convening special meetings. He also suggested that the present system should continue in the interest of smooth settlement of accounts.

After detail discussion, the following were decided:

- (i) the status of discontinuance of drawl by Nagaland to be followed up in next CCM.

- (ii) NERLDC will look into the technical feasibility of SEM installation in respect of POWERGRID S/S. They may also seek information on the same issue from other regions. The matter will be reviewed in next CCM.
- (iii) The existing accounting methodology will continue till permanent solution is arrived at.

**8.11 Procurement of 50 additional SEMs for new Sterlite & KMTL projects and 10 additional DCDs for existing accounting process:**

Considering the requirement of DCDs for time drift correction (as it was decided that laptops shall not be used for time drift correction purposes), it had been decided in 172<sup>nd</sup> OCCM that additional 10 DCDs has to be procured over and above the recent procurement of 20 DCDs.

Again, in 172<sup>nd</sup> OCCM, the forum has requested NERTS to expedite the process of procurement of 50 additional SEMs.

Status of procurement of SEMs and DCDs may be discussed.

**Deliberation of the Sub-Committee**

NERTS informed that procurement of additional SEMs & DCDs is under progress and likely to be completed by February 2021. It was appraised that there was a slight delay in procurement of additional items due to change in company ownership of vendor (M/s L&T to M/s Schneider Electric) and associated contractual formalities. It was informed that the issue will be sorted out soon.

**8.12 Procurement of SEM & DCD/Laptop for future requirements:**

In 39<sup>th</sup> CCM vide Agenda 9.13, it was decided that 150 nos of SEMs and 15 nos of DCD/Laptop may be procured to take care of future requirement and to maintain spares. Forum advised to discuss the metering related agendas in OCCM also. Accordingly, the estimated for future requirement submitted in 170<sup>th</sup> OCCM is given below:

SEMs for Lines	=74
SEMs for ICTs	=20
Total SEMs	= 94
Spare required	= 31
<b>Total SEMs</b>	<b>= 125</b>

\*Details attached as **Annexure 8.12**

**Deliberation of the Sub-Committee**

NERLDC informed that the above requirement has already been discussed in OCCM. This is for kind information and for record of the CC forum.

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

**8.13 Integration of SEMs with laptop/PC for data downloading:**

Decisions as per deliberation in the previous OCC forum:

- i. Implementation of RS-485 scheme for data downloading in one station preferably a generating station
- ii. If trial operation is successful then the scheme is to be extended to all stations where SEM quantity is greater than 10.
- iii. Trial/Pilot to be set up at OTPC Palatana.

In 172nd OCCM, NERTS informed that OEM i.e., M/s L&T is willing to execute the pilot free of cost. The forum requested NERTS to expedite the process.

**Deliberation of the Sub-Committee**

NERTS informed that the proposed pilot project could not be started till date due to non-deputation of manpower by M/s L&T. CM (AM), NERTS stated that in spite of repeated follow-up, M/s L&T is not responding to execute the project.

Director(C), NERPC suggested that the matter may be pursued once again. NERTS agreed to further explore the matter. POSOCO & other entities were also requested to impress upon M/s L& T to execute the project as agreed earlier.

**ANY OTHER ITEMS**

**9.1 Opening of LC against Deviation Charges Liability - NERLDC**

As per DSM charge and related matters regulations, 2014 of CERC, following are the LC amounts pertaining to NER entities mentioned:

Constituents	LC to be opened in FY 2020-21 (Rs in Lakhs)	Present Status
Ar. Pradesh	55.22	LC of Rs 182.36 Lakhs, valid till 31.03.2021

Assam	195.21	LC not opened
Manipur	38.45	LC not opened
Meghalaya	36.82	LC not opened
Mizoram	16.08	LC of Rs 10.93 Lakhs, valid till 14.02.2021
Nagaland	12.57	LC of Rs 91.77 Lakhs, valid till 20.03.2021
Tripura	144.02	LC not opened

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

**Deliberation of the Sub-Committee**

NERLDC requested those States which are not having LC/less amount of LC to open/enhance LC to adhere to CERC guidelines.

Concerned constituents were requested to send the LC opening intimation to NERLDC.

**DATE AND VENUE OF NEXT COMMERCIAL COMMITTEE MEETING**

Member Secretary, NERPC informed that NERTS/POWERGRID will host the next Commercial Coordination Sub-Committee meeting in the month of February/March 2021.

POWERGRID agreed to host the next CC meeting subject to government norms related to COVID19 pandemic (if any). The date and venue will be intimated separately.

\*\*\*\*\*

Annexures  
to the  
Agenda for  
40th CCM



**ILLUSTRATIONS FOR COMPENSATION FOR SECONDARY OIL FUEL CONSUMPTION**

- For example, if the station consists of 3 Units and there are total 28 outages (Forced/Planned/RSD) for a year, out of which 9 are attributable to RSD, then Compensation shall be calculated for number of start-ups exceeding  $7 \times 3 = 21$ , which are solely attributable to reserve shut-downs., i.e.,  $28-21=7$  outages would be considered for compensation of degradation of SFC. Among the above reserve shut-downs, if there are 4 Cold, 3 Warm and 2 Hot RSD category, then oil compensation will be computed as  $(\text{COLD} \times 4 + \text{WARM} \times 3 + \text{HOT} \times 2) \times 7 / \text{Total start-ups attributable RSD}$  (9).
- Restricting compensation below actual oil consumption.

Let Gross Generation of the year is  $G = 5000\text{MU}$ .

	Norm SFC (A)	Actual SFC (B)	Norm Oil ( $A' = A \times G$ )	Actual Oil ( $B' = B \times G$ )	Compensation calculated (C)	A'+C (D)	Restricted to B' if $D > B'$	Final Compensation after restricting
	ml/kWh	ml/kWh	KL	KL	KL	KL	KL	KL
Scenario No.1	0.5	0.65	2500	3250	770	3270	3250	$770 - (3270 - 3250) = 750$
Scenario No.2	0.5	0.65	2500	3250	700	3200	3250	700

- Distributing Compensation. If there are 4 beneficiaries for the ISGS, following would be the method and illustration to distribute among them.

Compensation payable by beneficiary  $i$

$$= (N_i \times \frac{A_i}{\sum(N_i \times A_i)}) \times \text{Compensation payable to CGS/ISGS}$$

Where

$N_i$  = Number of start-ups attributable to the beneficiary  $i$ .

$A_i$  = Weightage Average Percentage share of the beneficiary in the generating station

Beneficiary	A1	A2	A3	A4	Total
Weighted Average percentage share (MoP)	15%	20%	40%	25%	100
Number of start-ups attributable to RSDs (of beneficiary who had requisitioned below 55% of their entitlement during RSD)	4	9	4	1	
Payable amount	$\frac{(4 \times 0.15)}{D} \times Y$	$\frac{(9 \times 0.2)}{D} \times Y$	$\frac{(4 \times 0.4)}{D} \times Y$	$\frac{(1 \times 0.25)}{D} \times Y$	Y

★ Denominator,  $D = (4 \times 0.15 + 9 \times 0.2 + 4 \times 0.4 + 1 \times 0.25)$

## Annexure-8.1

पूर्वोत्तर क्षेत्र के वित्तीय वर्ष 2020-21 के विचलन बकाया की स्थिति (पिछले साल सहित)										
Deviation Outstanding status of NER for FY-2020-21 (including Last years O/S)										
घटक / Constituents	16-11-2020	22-11-2020	तक	आज की तारीख में/As on 04-12-2020	Figs in Lacs		Week no of NER-34			
					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
					रक	रक	रक	रक	रक	
					प्राप्त / Received	भुगतान किया / Paid	प्राप्त / Received	O/S Payable to Pool	O/S Receivable from Pool	O/S PAYABLE >13 WEEKS
अरुणाचल प्रदेश / Ar. Pradesh	17837.63	4676.42	17806.23	4676.42	4676.42	17806.23	4676.42	31.40	0.00	0.00
असम / Assam	50625.07	420.30	49523.39	420.30	420.30	49523.39	420.30	1101.69	0.00	0.00
मणिपुर / Manipur	3916.52	2488.33	3340.98	2488.33	2488.33	3340.98	2488.33	575.55	0.00	482.85
मेघालय / Meghalaya	4293.75	8069.01	4293.75	7978.84	7978.84	4293.75	7978.84	0.00	90.17	0.00
मिजोरम / Mizoram	6431.02	2798.89	6431.02	2780.64	2780.64	6431.02	2780.64	0.00	18.24	0.00
नागालैंड / Nagaland	8120.73	1659.60	8120.73	1642.47	1642.47	8120.73	1642.47	0.00	17.13	0.00
त्रिपुरा / Tripura	14293.80	6452.50	14293.80	6272.07	6272.07	14293.80	6272.07	0.00	180.44	0.00
लोकतक / Loktak	65.27	952.87	65.27	947.37	947.37	65.27	947.37	0.00	5.50	0.00
नीपको / NEEPCo	3845.67	19793.99	3845.67	19645.43	19645.43	3845.67	19645.43	0.00	148.56	0.00
ई आर / ER	144866.88	397020.01	144424.53	389413.53	389413.53	144424.53	389413.53	442.35	7606.48	0.00
ओटीपीसी / OTPC	2221.71	5788.85	2221.71	5780.79	5780.79	2221.71	5780.79	0.00	8.05	0.00
एनटीपीसी / NTPC	7081.31	4383.52	7048.63	4383.52	4383.52	7048.63	4383.52	32.68	0.00	0.00
एन आर / NR	374997.54	146438.74	367629.16	146438.74	146438.74	367629.16	146438.74	7368.37	0.00	0.00
बि.एन.सि / BNC	129.25	268.18	129.25	264.51	264.51	129.25	264.51	0.00	3.66	0.00
रक / TOTAL	638726.16	601211.20	629174.12	593132.96	593132.96	629174.12	593132.96	9552.04	8078.24	

**Annexure-8.2**

REACTIVE POOL ACCOUNT DETAILS : 2020-21												Upto Week - 32		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 19-20)	Outstanding Recivable (upto FY 19-20)	Payable to pool (2020-21)	Paid to pool (2020-21)	Receivable from pool (2020-21)	Received from pool (2020-21)	Outstanding Payable (upto FY 20-21)	Outstanding Recivable (upto FY 20-21)	O/S Reactive interest payable till FY 19-20 1st Half	O/S Reactive int. Receivable till FY 19-20 1st Half	Net Outstanding Payable (upto FY 20-21)	Net Outstanding Receivable (upto FY 20-21)		
0	0	1	2	3	4	5	6	1	2	7	8	0	0		
1	Ar. Pradesh	2339815	24059	173227	2464248	757010	565010	48794	216059	0	0	0	167265		
2	Assam	4583313	4988069	20789378	10000000	746611	108188	15372691	5626492	0	0	9746200	0		
3	Manipur	168612	147535	47499	6	470448	362463	216105	255520	0	0	0	39416		
4	Meghalaya	464583	733177	2132873	0	4330418	4599012	2597455	464582	0	0	2132873	0		
5	Mizoram	500699	69109	121327	355753	53194	-4	266274	122307	0	0	143966	0		
6	Nagaland	425619	32034	2392929	2657503	0	0	161045	32034	0	0	129011	0		
7	Tripura	312084	362248	217060	169723	132822	143204	359421	351866	0	0	7555	0		
8	PSDF	0	2438495	0	0	19383790	9869360	0	11952924	0	-1	0	11952923		
	TOTAL	8794726	8794726	25874293	15647233	25874293	15647233	19021786	19021786	0	0	12159605	12159604		

Annexure-8.3

<b>अपूर्ण डीएसएम सुलह की स्थिति/ Pending DSM Reconciliation Status</b>						
Sl No.	Constituents	Period Pending	Total Pending	Last Signed		
				Qr. No.	FY	Date
1	Ar. Pradesh	Up to date	0	2	20-21	09-11-2020
2	Assam	Up to date	0	2	20-21	11-11-2020
3	Manipur	20-21(Q2)	1	1	20-21	18-09-2020
4	Meghalaya	20-21(Q2)	1	1	20-21	22-07-2020
5	Mizoram	20-21(Q2)	1	1	20-21	24-09-2020
6	Nagaland	Up to date	0	2	20-21	13-11-2020
7	Tripura	19-20(Q1,Q2,Q3,Q4), 20-21(Q1,Q2)	6	4	18-19	17-07-2019
8	BNC	Up to date	0	2	20-21	26-10-2020
9	Loktak	20-21(Q1,Q2)	2	4	19-20	25-04-2020
10	NEEPCo	Up to date	0	2	20-21	19-11-2020
11	OTPC	20-21(Q2)	1	1	20-21	16-09-2020
12	NTPC	Up to date	0	2	20-21	04-12-2020
			12			

<b>अपूर्ण रिएक्टिव सुलह की स्थिति/Pending Reactive Reconciliation Status</b>						
Sl No.	Constituents	Period Pending	Total Pending	Last Signed		
				Qr. No.	FY	Date
1	Ar. Pradesh	Up to date	0	2	20-21	09-11-2020
2	Assam	Up to date	0	2	20-21	13-11-2020
3	Manipur	20-21(Q2)	1	1	20-21	18-09-2020
4	Meghalaya	20-21(Q2)	1	1	20-21	10-08-2020
5	Mizoram	20-21(Q2)	1	1	20-21	24-09-2020
6	Nagaland	Up to date	0	2	20-21	13-11-2020
7	Tripura	19-20(Q1,Q2,Q3,Q4), 20-21(Q1,Q2)	6	4	18-19	18-07-2019
			9			

**Annexure-8.6****Details of Newly Opened DSM & Reactive Accounts:**

<b>1. Deviation Pool Account</b>		
	<b>Main Account</b>	
Account Name	POSOCO NERLD Deviation Pool Fund A/c	
Branch	State Bank of India, Laitumkhrach (02081)	
IFSC Code	SBIN0002081	
<b>Pool Member</b>	<b>Unique Sub-Account</b>	<b>Settlement Type</b>
NEEPCO	NEDSM1NE110000001001	DSM
NHPC	NEDSM1NH110000001002	DSM
NTPC	NEDSM1NT1100001003	DSM
OTPC	NEDSM1OT110000001004	DSM
ARUNACHAL PRADESH	NEDSM1AR21000002001	DSM
ASSAM	NEDSM1AS21000002002	DSM
MANIPUR	NEDSM1MA21000002003	DSM
MEGHALAYA	NEDSM1ME21000002004	DSM
MIZORAM	NEDSM1MI21000002005	DSM
NAGALAND	NEDSM1NA21000002006	DSM
TRIPURA	NEDSM1TR21000002007	DSM
HVDC BNC	NEDSM1BN21000002008	DSM
ERPC	NEDSM1ER00000000001	DSM
NRPC	NEDSM1NR00000000002	DSM
WRPC	NEDSM1WR00000000003	DSM
SRPC	NEDSM1SR00000000004	DSM
NEEPCO	NERRA1NE110000001001	RRAS
NTPC	NERRA1NT1100001002	RRAS
NEEPCO	NEFRA1NE110000001001	FRAS
NHPC	NEFRA1NH110000001002	FRAS
NTPC	NEAGC1NT1100001001	AGC
<b>2. Reactive Pool Account</b>		
	<b>Main Account</b>	
Account Name	NERLDC Reactive Account	
Branch	State Bank of India, Laitumkhrach (02081)	
IFSC Code	SBIN0002081	
<b>Pool Member</b>	<b>Unique Sub-Account</b>	<b>Settlement Type</b>
ARUNACHAL	NEREA1AR21000002001	Reactive
ASSAM	NEREA1AS21000002002	Reactive
MANIPUR	NEREA1MA21000002003	Reactive
MEGHALAYA	NEREA1ME21000002004	Reactive
MIZORAM	NEREA1MI21000002005	Reactive
NAGALAND	NEREA1NA21000002006	Reactive
TRIPURA	NEREA1TR21000002007	Reactive

**Annexure 8.9 (1of4)**

SL NO.	SUBSTATION	METER NUMBER	FEEDER NAME	METER TYPE	REMARKS
1	AZARA	NP-9456-A	AZARA END OF 400 KV BONGAIGAON	LNT	Approx 7 min retard
2	AZARA	NP-9457-A	AZARA END OF 400 KV SILCHAR	LNT	Approx 6 min retard
3	SARUSAJAI	NP-8489-A	(132kv Sarusajai-Umtru) feeder	LNT	Approx 8 min retard
4	SARUSAJAI	NP-8492-A	S'SAJAI END OF 132kv UMTRU FDR-2	LNT	defective meter
5	DULLAVCHERRA	NP-9438-A	DULLAVCHERRA END OF D'NGAR FDR	LNT	APPROX 6 MINS RETARD
6	MISA	NP-8605-A	MISA END OF 220kv MARIANI(AS) FDR	ELSTER	
7	MISA	NP-8641-A	MISA END OF 220kv KOPILI FDR -1	ELSTER	
8	MISA	NP-8603-A	MISA END OF 220kv KOPILI FDR -3	ELSTER	
9	MISA	NP-8636-A	MISA END OF 220kv KOPILI FDR -2	ELSTER	
10	HAFLONG	NP-8656-A	HAFLONG(PG) END OF JIRIBAM FDR	ELSTER	
11	MARIANI	NP-8596-A	MARIANI(PG) END OF 220kv KATHALGURI FDR	ELSTER	RAW DATA DOES NOT CONVERT
12	SILCHAR	NP-8664-A	SILCHAR(PG) END OF 132kv SRIKONA (ASEB) FDR -1	ELSTER	
13	SILCHAR	NP-8665-A	SILCHAR(PG) END OF 132kv SRIKONA (ASEB) FDR-2	ELSTER	
14	SILCHAR	NP-8666-A	SILCHAR(PG) END OF 132kv HAILAKANDI-II (D'CHERA)	ELSTER	
15	SILCHAR	NP-8667-A	SILCHAR(PG) END OF 132kv HAILAKANDI-I (P'GRAM)	ELSTER	
16	SILCHAR	NP-8563-A	SILCHAR END OF 132 KV PK'BARI-2	ELSTER	
17	KOHIMA	NP-9703-A	KOHIMA END OF KARONG FDR	LNT	ERRATIC READING
18	JIRIBAM	NP-8645-A	JIRIBAM(MAN) END OF JIRIBAM(PG)FDR	ELSTER	21 Mins retard
19	JIRIBAM	NP-8623-A	JIRIBAM(PG) END OF BADARPUR FDR	ELSTER	12 MINS RETARD
20	IMPHAL	NP-8672-A	Imphal(PG) end Of Loktak-2	LNT	approx 9 mins retard
21	BGTTP	NP 9646-A	NTPC ICT-1 HV SIDE CHECK	LNT	APPROX 16 MIN RETARD
22	LEKHI	NP-9652-A	LEKHI END OF 132KV PARE FDR	LNT	HEAVY ERROR

**Annx. 8.9 (2of4)**

S.N.	LOCATION	METER No.	FEEDER NAME	REMARKS
1	BALIPARA	NP-8655-A	BALIPARA END OF 400kV BONGAIGAON FDR -1	ELSTER
2	BALIPARA	NP-8653-A	BALIPARA END OF 400kV BONGAIGAON FDR -2	ELSTER
3	BALIPARA	NP-8654-A	BALIPARA END OF 400kV BONGAIGAON FDR -3	ELSTER
4	BALIPARA	NP-8585-A	BALIPARA END OF 400kV BONGAIGAON FDR -4	ELSTER
5	BALIPARA	NP-8594-A	BALIPARA END OF MISA FDR-1	ELSTER
6	MARIANI	NP-4524-A	MARIANI(PG) END OF 220 KV MOKOKCHANG-1	ELSTER
7	MARIANI	NP-4509-A	MARIANI(PG) END OF 220 KV MOKOKCHANG-2	ELSTER
8	MARIANI	NP-8591-A	MARIANI(PG) END OF 220kV MISA FDR	ELSTER
9	MISA	NP-8608-A	MISA END OF 220kV MARIANI(PG) FDR	ELSTER
10	MISA	NP-8643-A	MISA END OF 220kV DIMAPUR FDR -1	ELSTER
11	MISA	NP-8640-A	MISA END OF 220kV DIMAPUR FDR -2	ELSTER
12	MISA	NP-8599-A	MISA 400/220kV 315MVA ICT-I (LV SIDE)	ELSTER
13	MISA	NP-8638-A	MISA 400/220kV 315MVA ICT-II (LV SIDE)	ELSTER
14	SILCHAR	NP-8661-A	SILCHAR END OF 132 KV MELRIAT-I	ELSTER
15	SILCHAR	NP-8561-A	SILCHAR END OF 132 KV MELRIAT-II	ELSTER
16	SILCHAR	NP-8571-A	SILCHAR(PG) END OF 400 KV IMPHAL-1	ELSTER
17	SILCHAR	NP-8570-A	SILCHAR(PG) END OF 400 KV IMPHAL-2	ELSTER
18	SILCHAR	NP-8659-A	SILCHAR(PG) END OF 400kV PALATANA FDR -1	ELSTER
19	SILCHAR	NP-8660-A	SILCHAR(PG) END OF 400kV PALATANA FDR -2	ELSTER
20	SILCHAR	NP-8662-A	SILCHAR(PG) END OF 132 KV BADARPUR-1	ELSTER
21	SILCHAR	NP-8663-A	SILCHAR(PG) END OF 132 KV BADARPUR-2	ELSTER
22	MOKOKCHUNG	NP-4518-A	220/132 KV, 30 MVA ICT-1 AT MOKOKCHANG LV SIDE	ELSTER
23	MOKOKCHUNG	NP-4515-A	220/132 KV, 30 MVA ICT-2 AT MOKOKCHANG LV SIDE	ELSTER
24	MOKOKCHUNG	NP-4510-A	MOKOKCHANG END OF 220 KV MARIANI(NEW)-1	ELSTER
25	MOKOKCHUNG	NP-4516-A	MOKOKCHANG END OF 220 KV MARIANI(NEW)-2	ELSTER
26	NINGTHOUKHONG	NP-9521-A	NINGTHOUKHONG END OF IMPHAL(PG)	ERRATIC READING
27	PALATANA	NP-8382-A	PALATANA ICT-HV SIDE	MALFUNCTION
28	PALATANA	NP-7602-A	PALATANA ST-1	MALFUNCTION
29	PALATANA	NP-7584-A	PALATANA ST-2	MALFUNCTION

**Annx 8.9 (3of4)**

<b>Substation</b>	<b>Element Name</b>	<b>SEM</b>	<b>CMRI</b>	<b>Remarks</b>
Khupi/ Tenga	Tenga end of 132 kV Balipara	1	1	New location
Nirjuli	Nirjuli TRF I & II	2		Standby meters (HV side)
Kahilipara	Kahilipara end of 132 kV Umtru I & II		1	1 DCD reqd
Sonabil	Sonabil end of 220 kV Balipara	1		SEM out of order (as intimated by SLDC)
Haflong (AS)	Haflong (AS) end of 132 kV Haflong	1	1	New location
Jiribam (PG)	Jiribam TRF for manipur consumption	1		Standby meters (HV side)
Imphal (PG)	Imphal (PG) TRF for manipur consumption	2		Standby meters (HV side)
UMTRU			1	Laptop damaged & No DCD (as intimated by SLDC)
Zemabawk	Zemabawk end of 132 kV Melriat	1	1	New location
Laungmal	Laungmal end of 132 kV Aizwal	1	1	New location
Mokokchung (PG)	Mokokchung (PG) end of 132 kV Mokokchung (NG) I & II	2		New location
Mokokchung (PG)	220/132 kV Mokokchung (PG) ICT I & II	2		New location in HV side
Bongaigaon	400/ 220 kV, SS Aux Consumption			As decided in 39th CCM, SEM has to be installed for accounting of Drawal by Aux. TRF (on behalf of Assam). Number of SEMs required to be ascertained.
Balipara	400/ 220 kV, SS Aux Consumption			
Silchar	400/ 132 kV, SS Aux Consumption			
Misa	400/ 220 kV, SS Aux Consumption			
<b>Total</b>		<b>14</b>	<b>6</b>	





**Annexure 8.12 (1of2)**

<b>Sl. No.</b>	<b>Name of the Transmission Line</b>	<b>No. of SEMs</b>
1	LILO of one circuit of 220 kV Alipurduar – Bongaigaon D/C at Agamoni	2
2	220 kV Misa - Shankardeb Nagar D/C	4
3	Termination of one of 220 kV Samaguri – Mariani 2xS/C at Mariani(PG)	2
4	LILO of 220 kV Samaguri – Mariani(PG) 2xS/C at Khumtai	4
5	220 kV Mariani(PG) – Mariani(AEGCL) D/C (High Capacity Conductor)	4
6	LILO of both circuits of 400 kV Balipara-Bongaigaon D/C 1 (Twin Moose Conductor) at Rangia	4
7	LILO of 400 kV Silchar-Byrnihat at Sonapur	2
8	LILO OF 400 kV Silchar – Azara at New Shillong Township	2
9	132 kV Loktak DS – Ningthoukhong D/C	2
10	132 kV Loktak DS – Rengpang D/C	2
11	400 kV Imphal (PG) - Thoubal 400 kV D/C	4
12	LILO of one circuit of 400 kV Silchar- ImphalD/C at Thoubal	2
13	LILO of 132 kV Jiribam - Aizawal line at Tuirial	2
14	132 kV Pare – North Lakhimpur D/C (ACSR Zebra Conductor)	4
15	LILO of one circuit of 132 kV Pare - North Lakhimpur D/C at Nirjuli	2
16	400 kV Dinchang – Rangia D/C (Quad Conductor)	4
17	LILO of Bongaigaon – Balipara 400kV D/c (quad) line at Bornagar	4
18	Bornagar - Parbotipur (in Bangladesh) – Katihar 765 kV D/C line (initially op. at 400 kV)	4
19	LILO of 132 kV Agia - Nangalbibra at Mendi ckt 2	2
20	220 kV Balipara- sonabil ckt 2	2
21	132 kV Roing - Chapakhowa DC line	4
22	500 MW HVDC 400 kV Surjamaninagar - North Comilla DC line	2
23	220 kV S/C line on D/C tower from Sonabil to Biswanath Chariali	2
24	2 no. 220 kV bays at Misa for their Misa-Shankardeb Nagar 220 kV D	4
25	Up-gradation of New Mariani substation to 400/220 kV with 2x500 MVA transformer along with associated bays	4
	<b>Total</b>	<b>74</b>

**Annexure 8.12 (2of2)**

<b>Sl No</b>	<b>Name of the Substation</b>	<b>Voltage in kV</b>	<b>No. of SEMs</b>
1	Mokokchung (PG) GIS	220/132KV,30MVA, 3rd ICT	2
2	Rangia	2x 500 MVA	4
3	Sonapur	2X500 MVA	4
4	Misa	1X500 MVA	2
5	Mariani (PG).	2X500 MVA	4
9	Khumtai	220/132kV, 2x160MVA	4
<b>Total</b>			<b>20</b>

Annexures  
to the  
Minutes of  
40th CCM

## Annexure-A

List of Participants in the 40th CCM held on 15.12.2020		
Sr. No.	Name and Designation	Organization
1	Sh. Michi Tara, SE	Arunachal Pradesh (MST)
2	Sh. Nazimuddin Ahmed, GM (TRC), APDCL	Assam (MST)
3	Sh. Pradeep Baishya, AGM (TRC), APDCL	Assam (MST)
4	Ms. Toushita Jindung, AGM, APDCL	Assam (MST)
5	Sh. Th. Aton Singh, ED (Comml), MSPDCL	Manipur (MST)
6	Sh. Satyajeet Thokchom, Manager, MSPDCL	Manipur (MST)
7	Ms. Khoisnam Steela, DGM, SLDC	Manipur (MST)
8	Ms. Hanna S. Rangnamei, Manager, SLDC	Manipur (MST)
9	Ms. R. G. L Mawlong, EE (EM)	Meghalaya (MST/Phone)
10	Sh. Benjamin L Tlumtea, Sr EE	Mizoram (MST)
11	Sh. PL Liandika, AE	Mizoram (MST)
12	Sh. V. Lalhmingliana, JE	Mizoram (MST)
13	Sh. Lalremruata Sailo, JE	Mizoram (MST)
14	Sh. Nitovi A. Wotsa, SE, SLDC	Nagaland (MST)
15	Sh. S.I. Asangba Tikhir, EE	Nagaland (MST)
16	Sh. Rokobeito Iralu, SDO (Transmission)	Nagaland (MST)
17	Sh. Achanger Aier, SDO	Nagaland (MST)
18	Sh. Keviwelie Mepfuo, JE	Nagaland (MST)
19	Sh. Areni Ovung, JE	Nagaland (MST)
20	Sh. P. Tiakaba Yimchunger, JE	Nagaland (MST)
21	Sh. Anil Debbarma, DGM (SLDC)	Tripura (MST)
22	Sh. Debabrata Pal, Sr. Manager	Tripura (MST)
23	Sh. Asim Bhowmik, Sr. Manager	Tripura (MST)
24	Sh. N. K. Mao, ED (Comml)	NEEPCO (MST)
25	Sh. D. Choudhury, GM (Comml)	NEEPCO (MST)
26	Sh. Zafrul Hassan, DGM (Comml)	NERTS (MST)
27	Sh. A. Daimari, Manager (Comml)	NERTS (MST)
28	Sh. Rajesh Kumar, Sr. Manager (Comml)	NHPC (MST)
29	Sh. Subodh Kumar Pradhan, AGM (Comml)	NTPC (MST)
30	Sh. Girish Chandra Mohapatra, AGM (Comml)	NTPC (MST)
31	Smt. Suravee Tripathy, DGM (Comml)	NTPC (MST)
32	Sh. Arup Ch. Sarmah, GM (Commercial)	OTPC (MST)
33	Sh. Amit Dabas, Sr. Manager (Commercial)	OTPC (MST)
34	Sh. Ashish Shrivastav, Manager (Commercial)	OTPC (MST)

35	Sh. Kaushik Sharma, GM (MO)	NERLDC (MST)
36	Sh. M. P. Nath, Chief Manager (MO)	NERLDC (MST)
37	Sh. Gaurav Bhattacharjee, Engineer	NERLDC (MST)
38	Ms. Tanaya Rakshit, Engineer	NERLDC (MST)
39	Ms. Kritika Debnath, Engineer	NERLDC (MST)
40	Sh. A. K. Thakur, Member Secretary	NERPC (MST)
41	Sh. S. M. Aimol, Director/SE (Comml)	NERPC (MST)
42	Sh. Abhijeet Agrawal, AEE (Comml)	NERPC (MST)
43	Sh. Shivam Chaturvedi, AE	NERPC (MST)



सत्यमेव जयते

# CERC(SHARING OF INTER-STATE TRANSMISSION CHARGES AND LOSSES), 2020

-Abhijeet Agrawal, AEE, NERPC

# background

1. Regional Postage Stamp.
2. Contract Path for STOA.
3. POC for Collective transactions.
4. POC 2010 Regulation.



# Features of 2010 poc and its amendments

1. Principles (Distance, Direction and Quantum of Flow).
2. Cost Sharing Methodology (Hybrid).
  - Average Participation Method.
  - Marginal Participation Method.
3. Amendments
  - ISGS AS A ZONE.
  - 3 SLABS → 9 SLABS.
  - HVDC & RELIABILITY CONCEPT.
  - RENEWABLE SOCIALIZATION.

# PERFORMANCE OF POC

1. AS PER PRINCIPLES.
2. GROWTH (CAGR @ 20%)
3. MARKET AUGMENTATION.
4. ETC.

# ISSUES

1. TRANSPARENCY.
2. SLABBING.
3. USAGE OF ICTs.
4. EX-ANTE VS POST FACTO?
5. GENERATOR VS LOAD PAY?
6. PEAK VS AVERAGE?
7. UNDERUTILIZED LINES?

# 2020 REGULATIONS (SALIENT FEATURES)

1. PRINCIPLES.
  - HYBRID METHOD.
  - NO SLABBING.
  - POST FACTO.
  - BASED ON ALL INDIA PEAK BLOCK.
2. COMPONENTS OF CHARGES.
  - NATIONAL
  - REGIONAL
  - TRANSFORMER
  - AC SYSTEMS (AC-UBC AND AC-BC)
3. LOSSES.
4. CHARGES FOR STOA.
5. SPECIFIC CASES.
6. DEVIATION.
7. TIMELINE.



# sharing of Inter-State Transmission charges and losses

**Regulations 2020**

**National Load Despatch Centre**

# Salient Features of New Regulation

- Computation of transmission charges on Monthly basis
- Post facto computations
  - Billing Period: Month for which computations shall be done
  - Month following billing period: Month in which computations shall be done.
  - Billing month: Month for which bills to be raised
- Transmission charges to be notified by National Load Despatch Center (NLDC) by 25<sup>th</sup> of each month following billing period
- Ceased the existing Validation Committee
  - Projected Generation and demand data not to be used
  - Computations based on actual Mega Watt (MW) Power flows

# Salient Features of New Regulation

.....(2)

- Load flow Base Case to be tuned to “Peak block” time
  - Peak block is the block in which sum of net Inter-State Transmission System (ISTS) drawals by all States is maximum during the month
- Components of transmission charges:
  - National Component
  - Regional Component
  - Transformers Component
  - AC System Component
- Transmission charges for Long Term Access (LTA)/Medium Term Open Access (MTOA)
- Transmission charges for Short-Term Open Access (STOA) transactions

# Salient Features of New Regulation

....(3)

- No slab rates, aggregate nodal charges to be considered
- No computation of loss slabs
- Calculation of all India average ISTS losses on weekly basis
- No ISTS loss applicable on injection schedules including collective transactions
- No transmission charges and losses applicable on Solar and Wind generation on fulfilling certain conditions
- Transmission deviation charges to be paid for the deviations from contracted power



# Salient Features of New Regulation .....(4)

➤ Transmission deviation charges to be paid for the deviations

## □ Deviation:

- For generator, net metered ex-bus generation exceeds sum of LTA/MTOA and STOA in a time block;
- For a state, net metered ex-bus generation/drawal exceeds sum of LTA/MTOA in a time block;
- For any drawee DIC, a regional entity other than distribution licensees, net metered drawal exceeds the sum of LTA/MTOA and STOA in a time block;

## Salient Features of New Regulation .....(5)

- Transmission Deviation rate:

$(1.05 \times \text{transmission charges of a state in billing month})$

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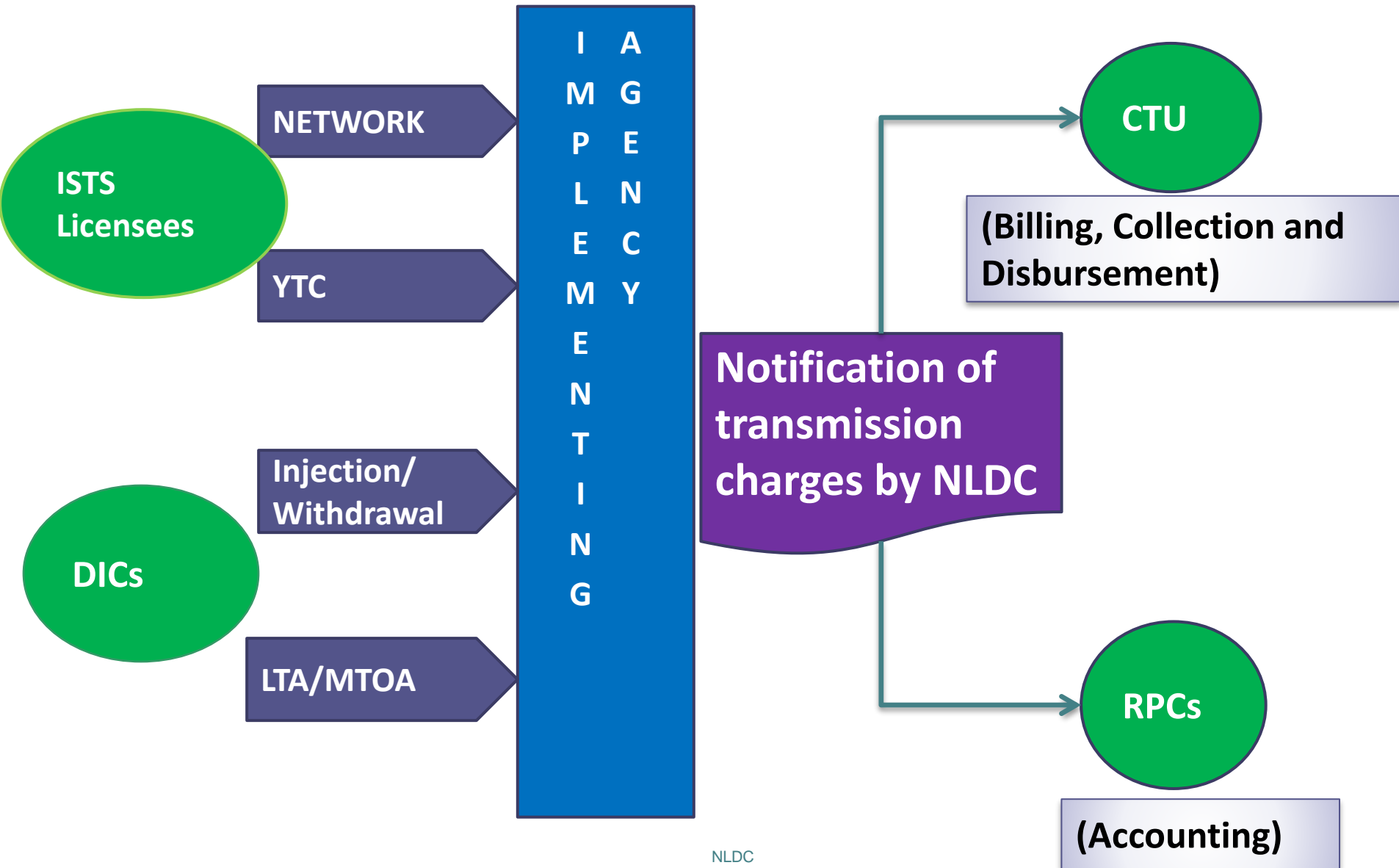
$(LTA+MTOA) \times 2880$

- RPC shall prepare RTAs for DICs
- Marginal participation factors of less than 0.0001 shall be taken as zero

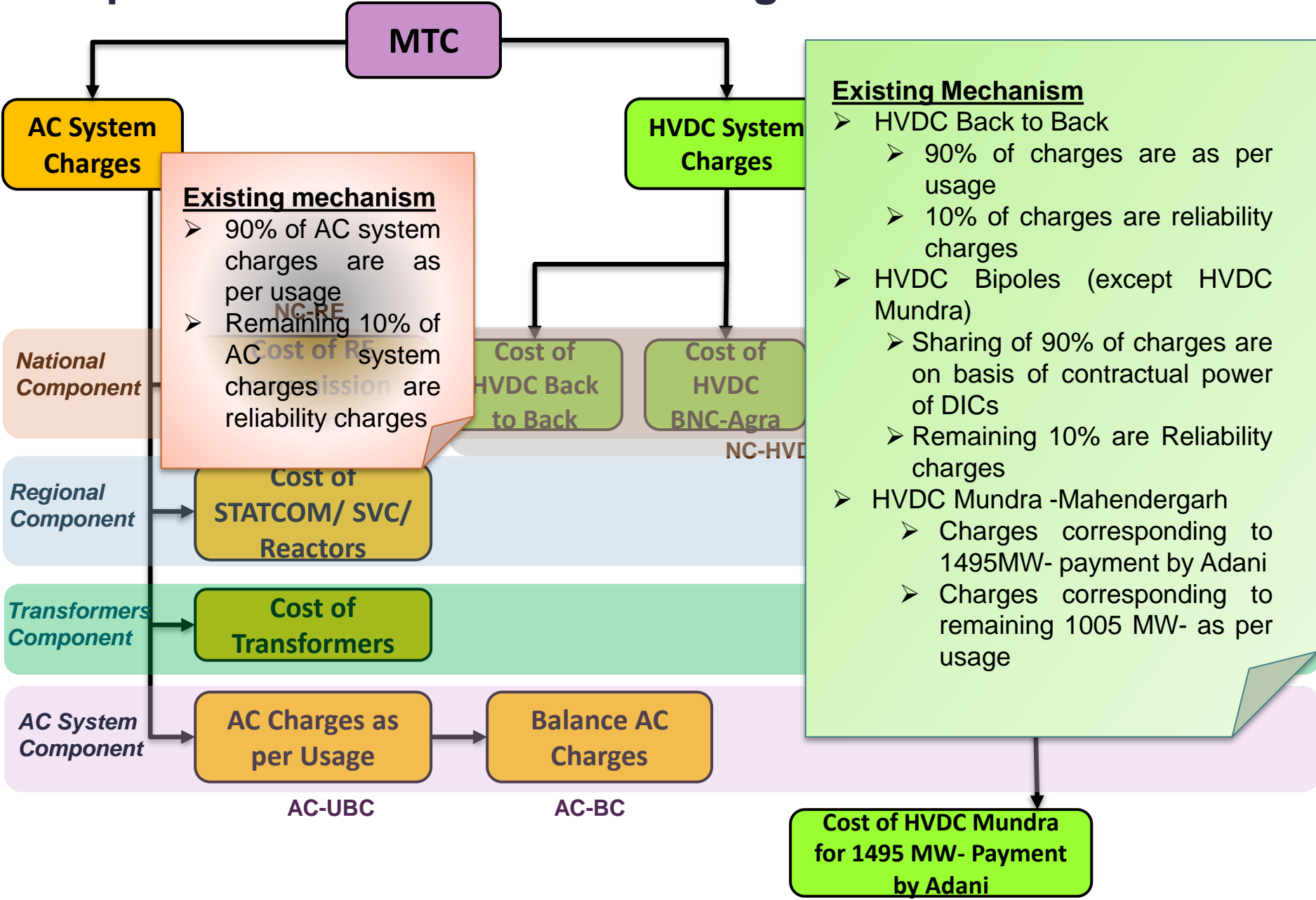
## Salient Features of New Regulation .....(6)

- Implementing Agency is responsible for development and maintenance of the software for implementation of these regulations.
- Design of interactive query by NLDC to show case computation results
- Transition period to new mechanism
  - Bills for the previous two months i.e. first and second month, shall be based on earlier mechanism

# Framework: Sharing of ISTS charges

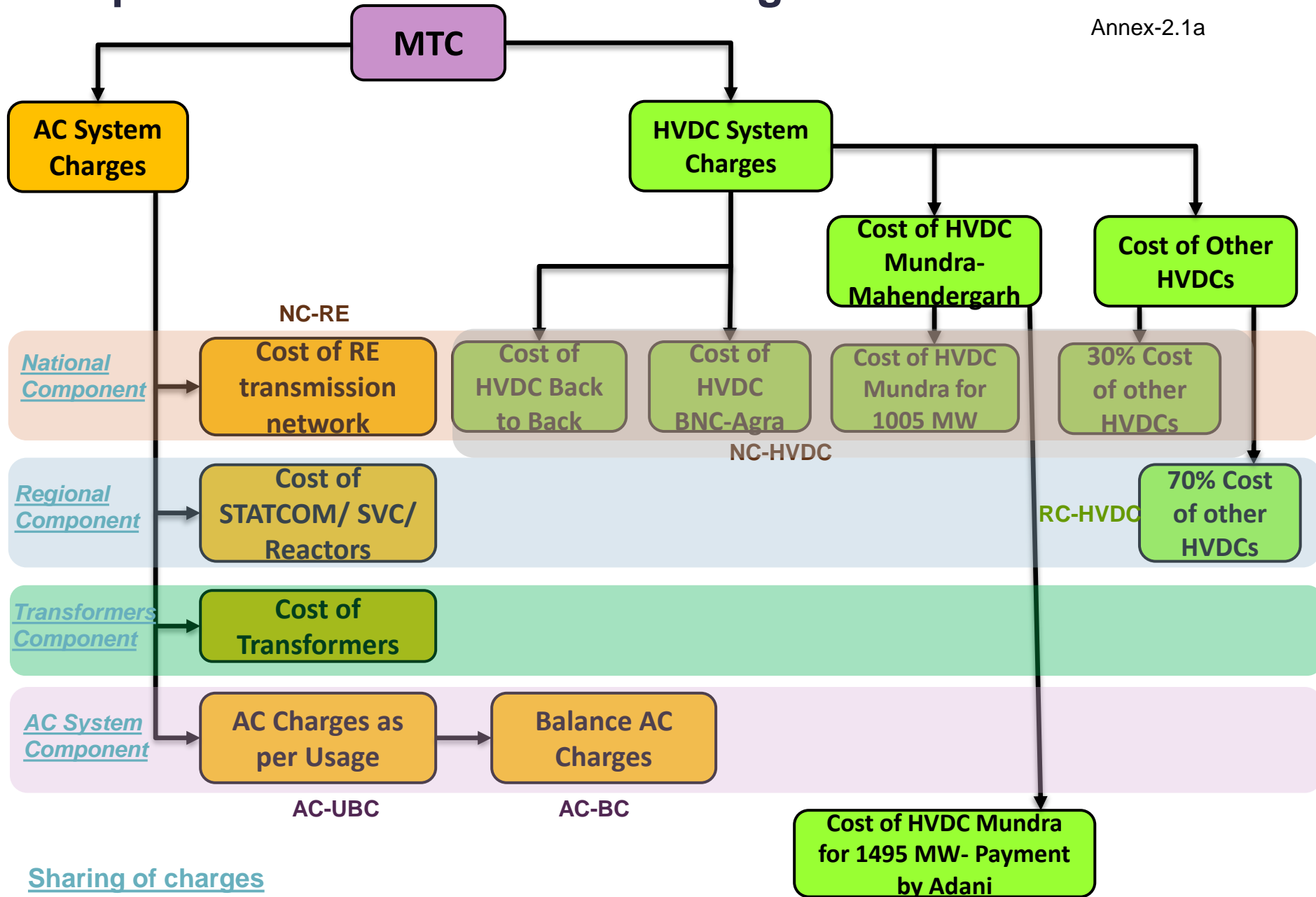


# Components of Transmission Charges



# Components of Transmission Charges

Annex-2.1a



## Transmission charges for STOA

- Payable by generating stations and embedded entities located in the State, as per the last published STOA Rate for the State;

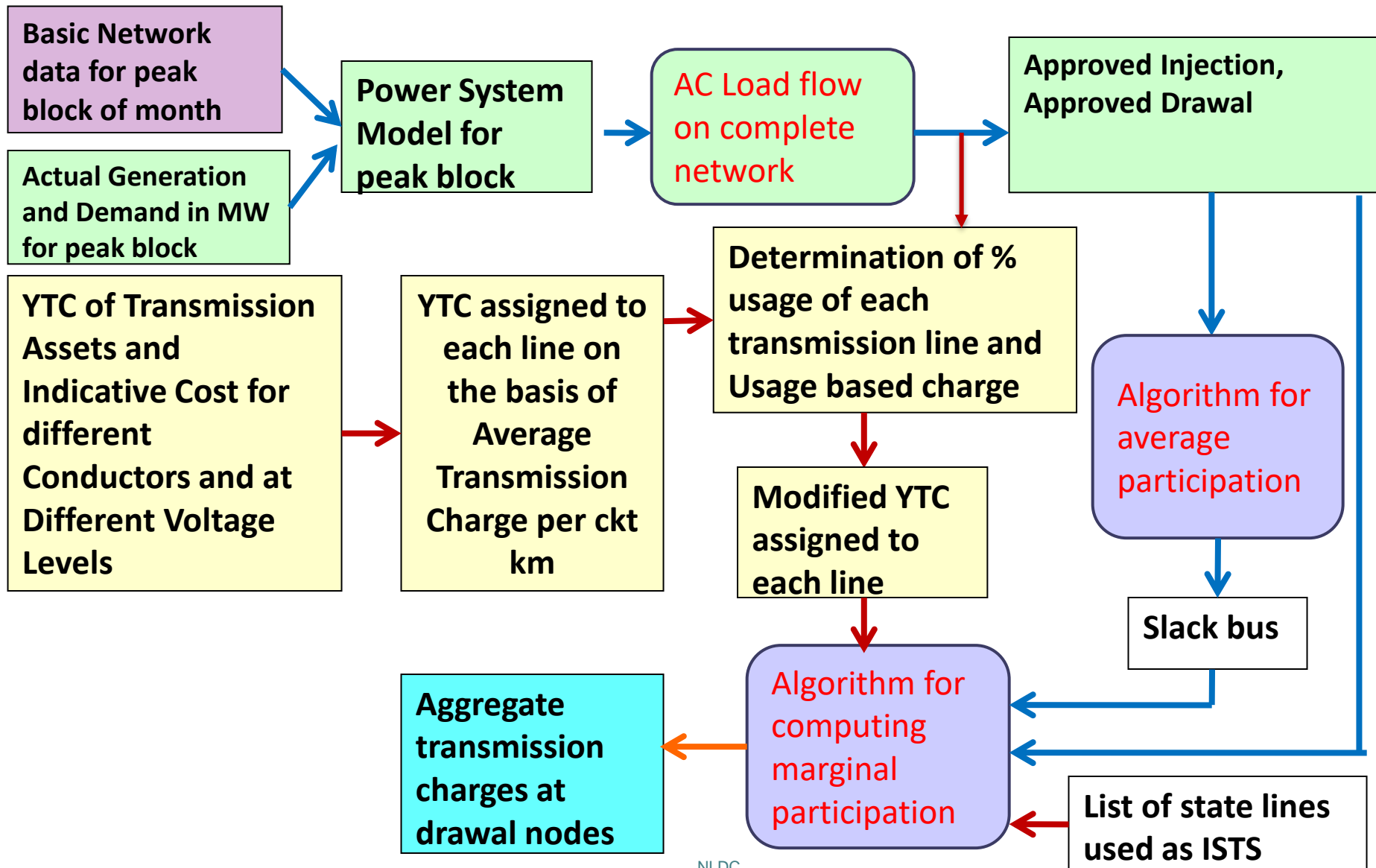
STOA Rate for the State (in Paise/kWh)

$$= \frac{\text{Transmission charges of the State for the billing month (in rupees)}}{(7200 \times \text{LTA/MTOA of the State for the corresponding billing period})}$$

- No Transmission charges for STOA to be paid by Distribution Licensees (having LTA/MTOA) for ISTS network
- No Transmission charges for STOA to be paid by Trading Licensees on behalf of Distribution Licensees (having LTA/MTOA) for ISTS network
- Reimbursement of Transmission charges for STOA paid by an embedded intra-State entity to the State
- Offset for Transmission charges for STOA against the transmission charges payable by the DIC for untied LTA



# Computation flow chart for sharing of AC-UBC



# Peak Case

- **Basic Network:** at 110 kV and above containing all the power system elements including generator and transmission system (as existing for the peak block of the month).
- Node wise actual demand and generation, in MW

## **Cut off date for transmission assets:**

- Declared under commercial operation and in use on or before last day of the Billing period.

## **Dedicated Transmission Lines:**

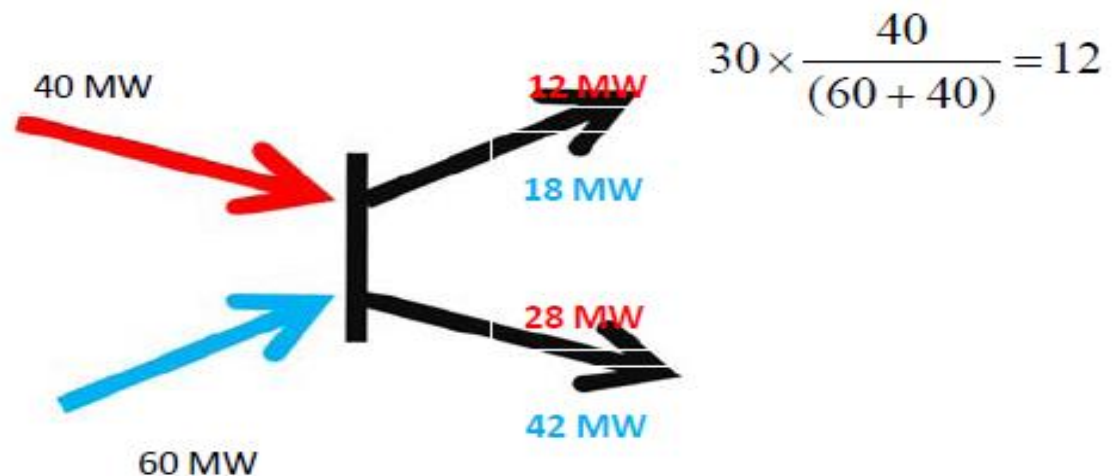
- Owned and operated by the ISTS Licensees only

# Hybrid Methodology

- Hybrid of
  - Average Participation
  - Marginal Participation
- Average Participation
  - Used to identify slack (responding) buses for each node
- Marginal Participation
  - To compute the participation factor of each node on each line.

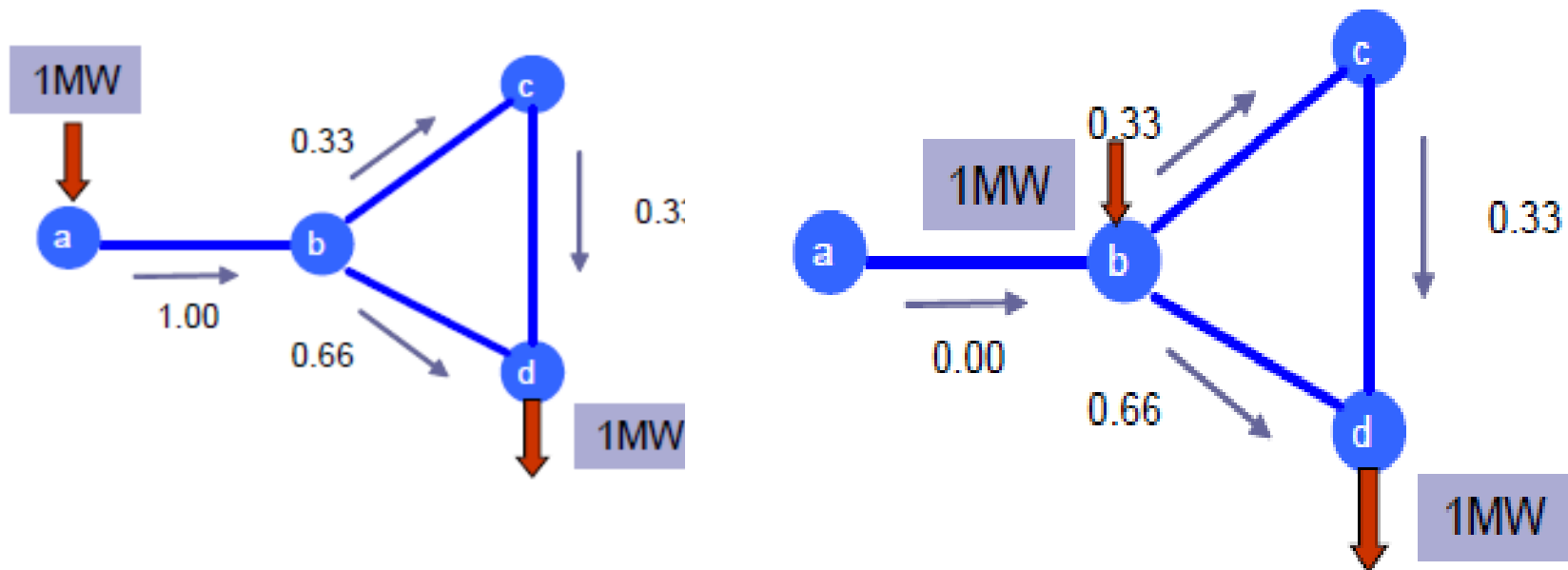
# Average Participation

- Tracing of Power
  - Load Tracing
  - Generator Tracing

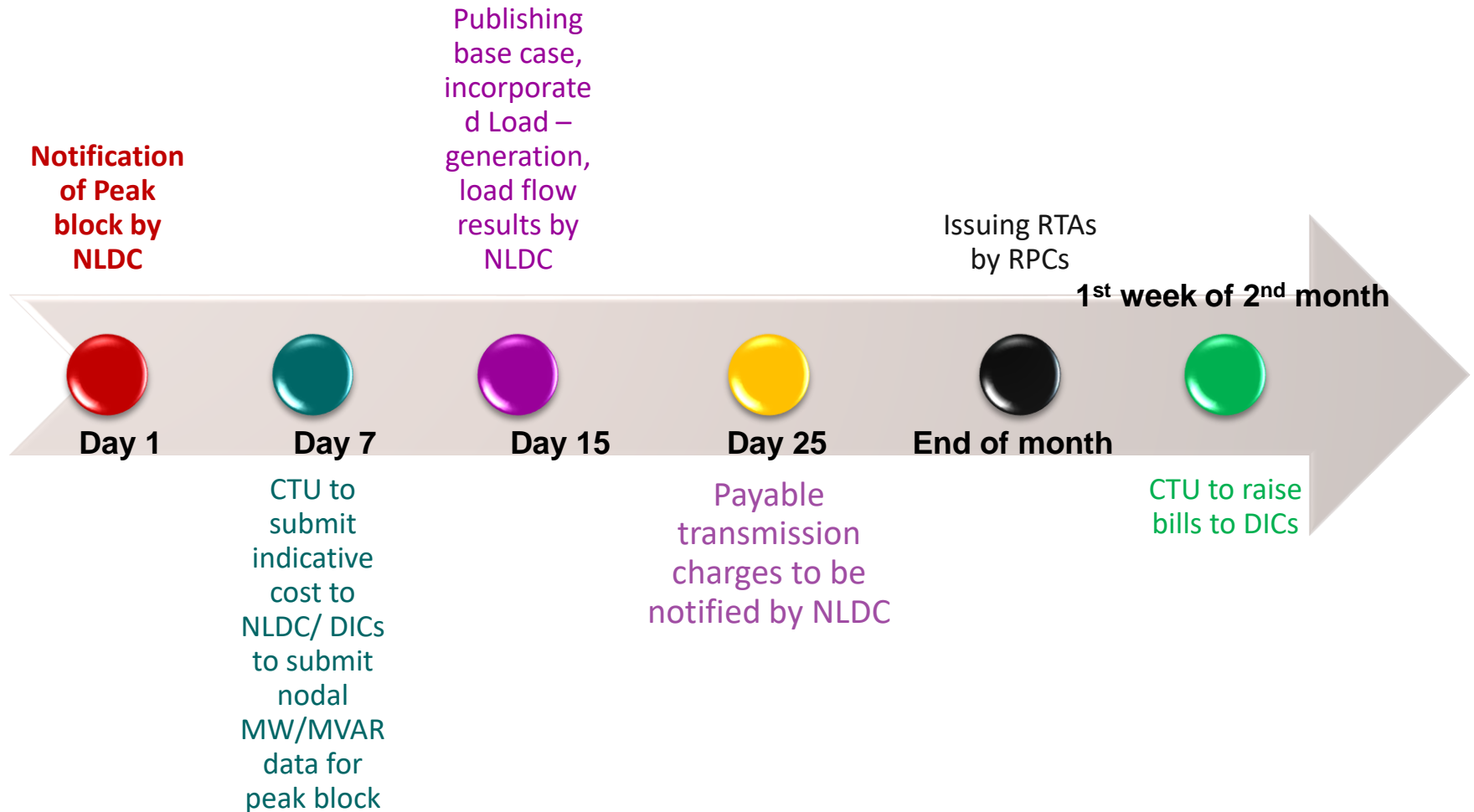


# Marginal Participation

- Marginal Participation
  - The charges are based on incremental utilization of network assessed through load flows.



# Timelines for computations, billing and accounting



# Specific Cases

- ❑ No Transmission Charges for Solar and Wind based generating projects (On fulfilling certain conditions )
- ❑ Transmission Charges to be paid by Generator for delayed capacity, if associated transmission system has achieved Commissioning Date of Operation (COD) on time.
- ❑ In case of LTA of new generator granted to ISTS, generator has to pay 10% of transmission charges of home state if COD delayed
  - ❑ Reimbursed to the DICs in proportion to their shares under the First Bill in the following month
- ❑ Operationalization of part LTA of a generator in case of COD of some of transmission elements of an associated transmission system



## Specific Cases

- ❑ Transmission Charges to be paid by ISTS Licensee to generator proportionate to Long Term Access for the transmission system which is delayed, if generating station or unit(s) thereof has achieved COD on time
- ❑ Transmission charges for dedicated transmission line constructed by an ISTS Licensee shall be paid by generator to the licensee in proportion to the Connectivity granted and for which LTA is not operational.
- ❑ Generators to pay for drawing start up power @ transmission deviation rate of home state
- ❑ When generating station connected both to ISTS and State Transmission Utility (STU) network, ISTS transmission charges and losses applicable only on quantum of LTA/MTOA connected through ISTS



**Thank You**

# Components of Transmission Charges

## (1) National Component : NC for RE + NC for HVDC

### ▪ National Component-Renewable Energy (NC-RE):

Transmission charges for transmission systems developed for renewable energy projects as identified by the Central Transmission Utility

### ▪ National Component-HVDC (NC-HVDC):

- ✓ 100% transmission charges for “Back to Back HVDC”
- ✓ 100% transmission charges for Biswanath Chariali/Alipurdwar– Agra HVDC
- ✓ 30% of transmission charge for all other HVDC
- ✓ Proportionate transmission charges of Mundra–Mohindergarh HVDC corresponding to 1005 MW capacity



## (2) Regional Component:

- **Regional Component of HVDC**

- ✓ 70% of transmission charges of HVDCs except those covered under National component and proportionate transmission charges of HVDC Mundra-Mohindergarh towards 1495 MW.

- **Transmission charges for STATCOM, SVC, Bus Reactor etc.**

- ✓ Transmission element(s) identified by Central Transmission Utility being critical for providing stability, reliability and resilience in the grid



### (3) Transformers Component:

- ✓ Transmission charges for inter-connecting transformers planned for drawal of power by the State
  - List of such transformers for each State shall be provided by the Central Transmission Utility
  - In absence of separate Transmission charges, indicative capital cost to be provided by the Central Transmission Utility.



## (4) AC System Component:

Annex-2.1a

- ✓ Transmission charges excluding that of considered for National component, Regional Component and Transformers Component.
- **Usage Based Component (AC-UBC):**
  - ✓ **Modified Line-wise Transmission Charges:** Charges to a line is to be allocated as per the loading w.r.t Surge Impedance Loading (SIL) of the line.
  - ✓ **Node wise charges:** calculated as per Hybrid Methodology, using modified line-wise transmission charges
  - ✓ Aggregated transmission charges at drawal nodes within the geographical boundary of the State to determine the allocation of charges for the State under AC-UBC
- **Balance Component (AC-BC):**
  - ✓ Balance transmission charges for AC transmission system after apportioning the charges for AC-UBC



# Sharing of different Components of Transmission charges

## (1) National Component:

- a) To be shared by the drawee DICs in the ratio of their quantum of LTA+MTOA
- b) To be shared by Injecting DICs with untied LTA capacity in the ratio of their untied LTA capacity.

## (2) Regional Component:

- a) To be shared by the drawee DICs in the ratio of their quantum of LTA+MTOA
  - b) To be shared by Injecting DICs with untied LTA capacity in the ratio of their untied LTA capacity.
- **For Mundra-Mohindergarh HVDC, proportionate transmission charges towards 1495 MW shall be borne by M/s Adani Power (Mundra) Limited or its successor company.**

## Sharing of different Components of Transmission charges ...(2)

### (3) Transformers Component:

- ✓ To be borne by the State in which Inter-Connecting Transformers (ICTs) are located

### (4) AC System Component:

#### ▪ Usage Based Component (AC-UBC):

- ✓ To be shared by DICs corresponding to their respective usage of transmission lines
- ✓ Injecting DIC with Long Term Access to target region with untied LTA capacity shall be apportioned charges under AC-UBC

#### ▪ Balance Component (AC-BC):

- ✓ To be apportioned to all drawee DICs in the ratio of their quantum of LTA+MTOA
- ✓ And injecting DICs with untied LTA capacity in the ratio of their untied LTA capacity





**BCD Procedure**  
**(As per Sharing Regulations, 2010)**  
**vis-à-vis**

**BCD Procedure (DRAFT)**  
**(As per Sharing Regulations, 2020)**  
**(Under approval by CERC) –**  
**AN OVERVIEW**

**Presentation by –**  
**Abhijit Daimari,**  
**Manager (Commercial)**  
**POWERGRID, NERTS, Shillong**

Clause	BCD Procedure (as per Sharing Regulations,2010)	Draft BCD Procedure (as per Sharing Regulations,2020)
<b>General Provisions</b>	Procedures are in compliance of the Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2010 (the "Sharing Regulations")	Procedures are in compliance of the Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020 (viz. "Sharing Regulations 2020")
<b>Applicability</b>	Applicable w.e.f. 01.07.2011	These provisions shall be applicable w.e.f. 01.11.2020 (i.e. <b>Jan'2021</b> )
<b>Contact Person &amp; Contact Details</b>	DICs & ISTS Licensees to identify One main & one alternate designated person authorized to interact with CTU on billing, payment, disputes & signing reconciliation statements.	Same procedure. However, formats given to provide necessary information to CTU ( <a href="#">Annexure-1</a> & <a href="#">Annexure-2</a> ) within 15 days before applicability of new Regulation(for existing DICs & ISTS licensees) & 30 days (for new DICs & ISTS licensees).

Clause	BCD Procedure (as per Sharing Regulations,2010)	Draft BCD Procedure (as per Sharing Regulations,2020)
<b>Billing Details</b>	<p><b>1) Bill-1</b></p> <ul style="list-style-type: none"> <li>➤ Recovery of charges for use of the transmission assets based on PoC methodology.</li> <li>➤ 3 components, viz. Transmission charges, Reliability Support charges &amp; HVDC charges.</li> <li>➤ Based on LTOA+MTOA.</li> </ul> <p><b>2) Bill-2</b></p> <ul style="list-style-type: none"> <li>➤ Based on Additional MTOA.</li> </ul> <p><b>3) Bill-3</b></p> <ul style="list-style-type: none"> <li>➤ Adjustment of variations in bank interest rates, FERV, change of DOCO, etc.</li> <li>➤ Includes incentives.</li> </ul> <p><b>4) Bill-4</b></p> <ul style="list-style-type: none"> <li>➤ Based on Deviations (in approved withdrawals).</li> </ul> <p><b>5) Bill-5</b></p> <ul style="list-style-type: none"> <li>➤ Late Payment Surcharge (as per Tariff Regulations,2009).</li> <li>➤ @1.25%p.m. for dues&gt;60 days.</li> </ul>	<p><b>1) Bill-1</b></p> <ul style="list-style-type: none"> <li>➤ Recovery of 4 components of transmission charges, viz. NC,RC, TC &amp; ACC.</li> <li>➤ Based on LTOA+MTOA.</li> <li>➤ Earlier Bill-2 merged here.</li> </ul> <p><b>2) Bill-2</b></p> <ul style="list-style-type: none"> <li>➤ Adjustment of variations in bank interest rates, FERV, change of DOCO, revision in Tr. charges by CERC etc.</li> <li>➤ Includes incentives.</li> </ul> <p><b>3) Bill-3</b></p> <ul style="list-style-type: none"> <li>➤ Based on Deviations (in approved withdrawals).</li> </ul> <p><b>4) Bill-4</b></p> <ul style="list-style-type: none"> <li>➤ Late Payment Surcharge (as per Tariff Regulations,2019).</li> <li>➤ Applicable @1.50%p.m. on outstanding dues &gt;45 days.</li> </ul>

Clause	BCD Procedure (as per Sharing Regulations,2010)	Draft BCD Procedure (as per Sharing Regulations,2020)
<b>Billing Timeline</b>	<p>CTU to raise the following bills:</p> <p><b>1) Bill-1</b></p> <ul style="list-style-type: none"> <li>➤ CTU shall raise the bill within one working day after issuing of RTA by RPC.</li> <li>➤ Monthly billing.</li> </ul> <p><b>2) Bill-2</b></p> <ul style="list-style-type: none"> <li>➤ CTU shall raise the bill for each DIC along with the first part of the Bill.</li> <li>➤ Monthly billing.</li> </ul> <p><b>3) Bill-3</b></p> <ul style="list-style-type: none"> <li>➤ To be raised six monthly.</li> </ul> <p><b>4) Bill-4</b></p> <ul style="list-style-type: none"> <li>➤ Based on RTDA.</li> <li>➤ To be raised within 3 days of issuance of RTDA.</li> </ul> <p><b>5) Bill-5</b></p> <ul style="list-style-type: none"> <li>➤ Calculated &amp; billed on monthly basis.</li> </ul>	<p>CTU to raise the following bills:</p> <p><b>1) Bill-1</b></p> <ul style="list-style-type: none"> <li>➤ To be raised within one working day after issuing of RTA.</li> <li>➤ Provisional bill to be raised in case RTA is not published by 4<sup>th</sup> day of billing month.</li> <li>➤ Adjustment bill to be raised by CTU within 2 working days of publishing of RTA.</li> </ul> <p><b>2) Bill-2</b></p> <ul style="list-style-type: none"> <li>➤ To be raised quarterly after one month of completion of quarter</li> </ul> <p><b>3) Bill-3</b></p> <ul style="list-style-type: none"> <li>➤ To be raised on next day after issuance of RTDA.</li> </ul> <p><b>4) Bill-4</b></p> <ul style="list-style-type: none"> <li>➤ Calculated &amp; billed on monthly basis.</li> </ul>

Clause	BCD Procedure (as per Sharing Regulations,2010)	Draft BCD Procedure (as per Sharing Regulations,2020)
<b>Due date of payment</b>	Due date in relation to any bill shall mean the thirtieth (30th) day from the date on which such bill is raised	Due date of payment shall be 45 days from presentation of bills as per Regulation 16 of Sharing Regulations,2020
<b>Rebate</b>	(i)Rebate@2% for payment within one day of billing date. (ii)Rebate@1% for payment within 30 days of billing date.	(i)Rebate as per Regulation 17 of Sharing Reg, 2020. (ii)POWERGRID has its own attractive <a href="#">rebate policy</a> .
<b>Disputed bills</b>	(i)Bill shall be considered correct, complete and conclusive between DIC and CTU unless DIC disputes bill within 30 days. (ii)CTU shall submit corrected/ supplementary bill within 30 days of issuing incorrect bill. (iii) If the disputing DIC and the CTU do not amicably resolve the, either party may approach the Commission for adjudication of dispute.	(i)No change in timeline. (ii)In case of any error being intimated by DIC, same shall be reviewed and CTU shall raise supplementary bill (if required) within 7 days of getting intimation from DIC. (iii) Similar provision exists.

Clause	BCD Procedure (as per Sharing Regulations,2010)	Draft BCD Procedure (as per Sharing Regulations,2020)															
<b>Reconciliation</b>	Annual reconciliation between CTU (on behalf of all ISTS Licensees) and the DICs	<ul style="list-style-type: none"> <li>➤ Provision for quarterly reconciliation.</li> <li>➤ Timelines are as follows:</li> </ul> <table border="1" data-bbox="957 586 1940 1357"> <thead> <tr> <th data-bbox="957 586 1087 659">Sr. No.</th> <th data-bbox="1087 586 1692 659">Description</th> <th data-bbox="1692 586 1940 659">Timeline</th> </tr> </thead> <tbody> <tr> <td data-bbox="957 659 1087 802">01</td> <td data-bbox="1087 659 1692 802">Submission of Reconciliation Statement by CTU</td> <td data-bbox="1692 659 1940 802">By 30<sup>th</sup> day after end of quarter</td> </tr> <tr> <td data-bbox="957 802 1087 938">02</td> <td data-bbox="1087 802 1692 938">Observations to be submitted by DICs</td> <td data-bbox="1692 802 1940 938">Within next 10 days</td> </tr> <tr> <td data-bbox="957 938 1087 1149">03</td> <td data-bbox="1087 938 1692 1149">Submission of revised reconciliation alongwith clarification to observations of DIC (if required)</td> <td data-bbox="1692 938 1940 1149">Within next 7 days</td> </tr> <tr> <td data-bbox="957 1149 1087 1357">04</td> <td data-bbox="1087 1149 1692 1357">Signing of reconciliation by DICs</td> <td data-bbox="1692 1149 1940 1357">Within next 7 days of receipt of final statement</td> </tr> </tbody> </table>	Sr. No.	Description	Timeline	01	Submission of Reconciliation Statement by CTU	By 30 <sup>th</sup> day after end of quarter	02	Observations to be submitted by DICs	Within next 10 days	03	Submission of revised reconciliation alongwith clarification to observations of DIC (if required)	Within next 7 days	04	Signing of reconciliation by DICs	Within next 7 days of receipt of final statement
Sr. No.	Description	Timeline															
01	Submission of Reconciliation Statement by CTU	By 30 <sup>th</sup> day after end of quarter															
02	Observations to be submitted by DICs	Within next 10 days															
03	Submission of revised reconciliation alongwith clarification to observations of DIC (if required)	Within next 7 days															
04	Signing of reconciliation by DICs	Within next 7 days of receipt of final statement															

The slide features a light green border with a subtle geometric pattern. At the top, there is a dark grey rectangular header bar. The main content area is white and contains the text "THANK YOU" in a bold, orange, sans-serif font, centered horizontally.

**THANK YOU**

NEEPCO Provisional Outstanding as on

14 December 2020

Rs. In lakhs

S.No.	State (UT)	Name of Beneficiary	Outstanding Principal already due (> 45 days)	Late Payment Surcharge (LPS) Due	Total Due (Inclusive of LPS)	Amount Billed (Principal) yet to be due (< 45 days)
1	2	3	4	5	6 = 4+5	7
1	ASSAM	APDCL	2653.44	121.93	2775.37	13975.12
2	MIZORAM	Power & Electricity Dept, Mizoram	0.00	1.36	1.36	3172.33
3	MANIPUR	MSPDCL, Manipur	2663.06	72.50	2735.56	2273.20
4	TRIPURA	TSECL	10672.55	2477.57	13150.12	4301.18
5	Ar. PRADESH	Dept. of Power, Ar. Pradesh	0.00	7.76	7.76	775.41
6	NAGALAND	Dept. of Power, Nagaland	0.00	0.00	0.00	0.00
7	MEGHALAYA	MeECL	35980.02	33722.36	69702.38	0.00
8	CHHATTISGARH	CSPDCL	0.00	0.19	0.19	319.72
9	HARYANA	HPPC	0.00	0.00	0.00	319.72
10	UTTAR PRADESH	UPPCL	2320.95	46.97	2367.92	1359.13
11	NVVN		0.00	0.00	0.00	256.78
Grand Total			54290.03	36450.64	90740.67	26752.58



ANNEXURE-I

SUMMARY OF TOTAL AMOUNT TO BE BILLED AGAINST RESPECTIVE ISGS CONSTITUENTS AGAINST PROCUREMENT OF SEMs, DCDS & LAPTOPS

Sl.No.	Name of ISGS constituent	Cost to be borne by respective DICs against each LOA (including taxes)				Total Amount paid against LOAs (in ₹)	Total Amount to be billed including GST@18% (in ₹)
		LOA ref no. NESH/CSM/1500- 167/LOA/3546 dtd. 29.02.2012	LOA ref no. NESH/CSM/1500- 161/LOA/1719 dtd. 08.10.2012	LOA ref no. NESH/CSM/1500- 362/LOA/8 dtd. 23.06.2015	LOA ref no. NESH/CSM/1500- 408/LOA/355 dtd. 18.11.2016		
1	Ar. Pradesh	8,988	3,68,598	1,20,810	5,90,530	10,88,926	12,84,932
2	ASEB	51,657	21,84,886	7,92,995	41,00,735	71,30,273	84,13,723
3	Manipur	8,443	3,50,659	1,42,067	7,09,686	12,10,855	14,28,809
4	MeECL	14,241	5,91,454	1,81,138	9,22,767	17,09,600	20,17,328
5	Mizoram	4,971	2,04,588	74,938	3,87,977	6,72,474	7,93,520
6	Nagaland	6,852	2,77,203	98,450	4,88,791	8,71,296	10,28,130
7	TSECL	6,727	2,79,451	2,38,027	11,40,213	16,64,418	19,64,014
	<b>TOTAL</b>	1,01,879	42,56,839	16,48,425	83,40,699	1,43,47,842	1,69,30,456



अभिजीत दैमारी/Abhijit Daimari  
प्रबंधक (वाणिज्यिक)/Manager (Comm)  
पावरग्रिड, शिलांग/POWERGRID, Shillong

The status of SEM distribution list is attached herewith.

Sl. No.	SUBSTATION	Name of Substation responsible	Meter No.	Feeder Name	Meter Type	Remarks	Status
1	AZARA	Bongaigaon SS	NP-9456-A	AZARA END OF 400 KV BONGAIGAON	LNT	Approx 7 mins retard	Completed
2	AZARA	Bongaigaon SS	NP-9457-A	AZARA END OF 400 KV SILCHAR	LNT	Approx 6 mins retard	Completed
3	SARUSAJAI	Misa SS	NP-8489-A	132kv SARUSAJAI-UMTRU FEEDER	LNT	Approx 8 mins retard	
4	SARUSAJAI	Misa SS	NP-8492-A	S'SAJAI END OF 132kv UMTRU FDR-2	LNT	Defective meter	
5	DULLAVCHER-RA	Badarpur SS	NP-9438-A	DULLAVCHERRA END OF DHARMANAGAR FDR	LNT	Approx 6 mins retard	Completed
6	MISA	Misa SS	NP-8605-A	MISA END OF 220kv MARIANI(AS) FDR	ELSTER		
7	MISA	Misa SS	NP-8641-A	MISA END OF 220kv KOPILI FDR -1	ELSTER		The feeders are out of service. Shall be connected once the feeders come in service
8	MISA	Misa SS	NP-8603-A	MISA END OF 220kv KOPILI FDR -3	ELSTER		
9	MISA	Misa SS	NP-8636-A	MISA END OF 220kv KOPILI FDR -2	ELSTER		
10	HAFLONG	Haflong SS	NP-8656-A	HAFLONG(PG) END OF JIRIBAM FDR	ELSTER		Completed
11	MARIANI	Mariani SS	NP-8596-A	MARIANI(PG) END OF 220kv KATHALGURI FDR	ELSTER	Raw Data does not convert	
12	SILCHAR	Silchar SS	NP-8664-A	SILCHAR (PG) END OF 132kv SRIKONA (ASEB) FDR -1	ELSTER		Completed
13	SILCHAR	Silchar SS	NP-8665-A	SILCHAR (PG) END OF 132kv SRIKONA (ASEB) FDR-2	ELSTER		Completed
14	SILCHAR	Silchar SS	NP-8666-A	SILCHAR (PG) END OF 132kv HAILAKANDI-11 (D'CHERA) FDR	ELSTER		Completed
15	SILCHAR	Silchar SS	NP-8667-A	SILCHAR (PG) END OF 132kv HAILAKANDI-1(P'GRAM) FDR	ELSTER		Completed

16	SILCHAR	Silchar SS	NP-8563-A	SILCHAR END OF 132 KV PK'BARI-2	ELSTER		
17	KOHIMA	Dimnapur SS	NP-9703-A	KOHIMA END OF KARONG FDR	LNT	Erratic Reading	Completed
18	JIRIBAM	Jiribam SS	NP-8645-A	JIRIBAM(MAN) END OF JIRIBAM(PG)FDR	ELSTER	21 mins retard	Completed
19	JIRIBAM	Jiribam SS	NP-8623-A	JIRIBAM(PG) END OF BADARPUR FDR	ELSTER	12 mins retard	Completed
20	YUREMBAM	Imphal SS	NP-6951-A	YUREMBAM-KARONG FDR	LNT	Approx 10 mins advance	Completed
21	IMPHAL	Imphal SS	NP-8672-A	IMPHAL(PG) END OF LOKTAK-2 IMPHAL(PG)	LNT	Approx 9 mins retard	Completed
22	BGTPP	Bongaigaon SS	NP 9646-A	NTPC ICT-1 HV SIDE CHECK	LNT	Approx 16 mins retard	
23	LEKHI	Nirjuli SS	NP-9652-A	LEKHI END OF 132KV PARE FDR	LNT	Heavy Error	Completed

The status of DCD distribution list is attached herewith.

Sl.No.	Substation	State	Status
1	LEKHI	ARUNACHAL PRADESH	
2	AGIA	ASSAM	
3	AZARA	ASSAM	
4	BTPS	ASSAM	
5	SARUSAJAI	ASSAM	
6	TINSUKIA	ASSAM	
7	DULLAVCHERA	ASSAM	
8	KAHILIPARA	ASSAM	
9	YUREMBAM	MANIPUR	
10	UMTRU	MEGHALAYA	Completed
11	MENDIPATHAR	MEGHALAYA	Completed
12	BYRNIHAT	MEGHALAYA	
13	JIRIBAM	POWERGRID	Completed
14	DIMAPUR	POWERGRID	Completed
15	Agartala (79 Tilla)	TRIPURA	
16	Udaipur	TRIPURA	
17	Dharmanagar	TRIPURA	

NERTS intimated that the balance distribution shall be completed within Feb 2021.