



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



SO 9001:2008  
SPEED POST/FAX  
Ph : 0364-2534628  
Fax: 0364-2534040  
email: nerpc@ymail.com  
website: www.nerpc.nic.in

No.: NERPC/COM/CC\_Min/2018/2969-3015

Dated: 15.03.2019

To

1. Director (Distribution), MePDCL, Lumjingshai, Short Round Road, Shillong – 793 001
2. Director (Transmission), MePTCL, Lumjingshai, Short Round Road, Shillong – 793 001
3. Director (Generation), MePGCL, Lumjingshai, Short Round Road, Shillong – 793 001
4. Engineer-in-Chief (P&ED), Govt. of Mizoram, New Secretariat Complex, Khatla, Aizawl – 796 001
5. Chief Engineer (WE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
6. Chief Engineer (EE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
7. MD, APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
8. MD, AEGCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
9. MD, APGCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
10. MD, MSPDCL, Secure Office Building Complex, 3<sup>rd</sup> Floor, South Block, Near 2<sup>nd</sup> MR Gate, Imphal – 795 001
11. MD, MSPCL, Keishampat, Imphal – 795 001
12. Chief Engineer (P&E), Department of Power, Govt. of Nagaland, Kohima – 797 001
13. Director (Tech), TSECL, Banamalipur, Agartala – 799 001
14. Director (Tech), TPGL, Banamalipur, Agartala – 799 001
15. ED, NERTS, PGCIL, Dongtieh-Lower Nongrah, Lapalang, Shillong -793 006
16. GM (LD&C), PGCIL, "Saudamini" Plot No. 2, Sector – 29, Gurgaon, Haryana – 122 001
17. Chief General Manager, NERLDC, Dongtieh-Lower Nongrah, Lapalang, Shillong -793 006
18. ED (Commercial), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
19. ED (O&M), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
20. ED (Commercial), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
21. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
22. GM (Comm), NTPC Limited, ER-II HQ, Plot No. N-17/2, Third Floor, Naya Palli, Bhubaneswar-751012
23. Group GM, NTPC Limited, Bongaigaon Thermal Power Project, P.O. Salakati, Kokrajhar-783369
24. MD, OTPC, 6<sup>th</sup> Floor, A Wing, IFCI Tower-61, Nehru Place, New Delhi-110019
25. Vice President, PTCIL, 2<sup>nd</sup> Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi - 110066
26. AGM (BD), NVVN, Core 5, 3<sup>rd</sup> floor, Scope Complex, 7 Institutional Area, Lodhi Rd., N. Delhi-3
27. Member Secretary, ERPC, 14 Golf Club Road, Tollygunge, Kolkata-700033
28. Chief Engineer, GM Division, CEA, Sewa Bhawan, R.K. Puram, New Delhi – 110066

**Sub: Minutes of the 37<sup>th</sup> CC meeting held on 13/02/2019 at "State Guest House", Agartala, Tripura.**

Please find enclosed herewith the minutes of the 37<sup>th</sup> Commercial Committee Meeting held at "State Guest House", Agartala, Tripura on 13<sup>th</sup> February 2019 for your kind information and further necessary action.

Encl.: As above

yours faithfully,

(B. Lyngkhoi)  
Director/S.E

Copy To:

1. SA to Member(GO&D), CEA, Sewa Bhawan, R.K. Puram, New Delhi – 110066
2. CGM (Comml), APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
3. Head of SLDC, SLDC Complex, AEGCL, Kahilipara, Guwahati - 781019
4. SE (EM), MePDCL, Lumjingshai, Short Round Road, Shillong – 793 001
5. Head of SLDC, MePTCL, Lumjingshai, Short Round Road, Shillong – 793 001
6. Head of SLDC, Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
7. ED (Comml), MSPDCL, Secure Office Building Complex, 3<sup>rd</sup> Floor, South Block, Near 2<sup>nd</sup> MR Gate, Imphal – 01
8. ED (Tech), MSPDCL, Secure Office Building Complex, 3<sup>rd</sup> Floor, South Block, Near 2<sup>nd</sup> MR Gate, Imphal – 01
9. ED (Tech), MSPCL, Keishampat, Imphal – 795 001
10. S.E. (Commercial), Department of Power, Govt. of Mizoram, Khatla, Aizawl – 796 001
11. Head of SLDC, Department of Power, Govt. of Mizoram, Aizawl – 796 001
12. A.C.E. (Gen & Trans), Department of Power, Govt. of Nagaland, Kohima – 797 001
13. Head of SLDC, Department of Power, Dimapur, Nagaland
14. AGM (C&SO), TSECL, Agartala – 799 001
15. Head of SLDC, TSECL, Agartala – 799 001
16. General Manager, Loktak HEP, NHPC Limited, Vidyut Vihar, Komkeirap, P.O. Loktak, Manipur – 795 124
17. GM (Comml), OTPC, 6<sup>th</sup> Floor, A Wing, IFCI Tower-61, Nehru Place, New Delhi-110019
18. Head of the Plant, OTPC, Palatana, Kakraban, Gomati District, Tripura - 799116
19. AGM (Comml), NTPC Limited, 16<sup>th</sup> Rupalim Path, Rukhmini Nagar, Guwahati-781022



Director/S.E



**MINUTES OF THE**

**37<sup>TH</sup> COMMERCIAL COORDINATION SUB-COMMITTEE**

**MEETING**

**Date :** 13/02/2019 (Wednesday)

**Time :** 14:00 hrs

**Venue:** State Guest House, Agartala, Tripura

The 37<sup>th</sup> CC Meeting of NERPC was held on 13<sup>th</sup> February 2019 in Agartala, Tripura. The meeting was hosted by the Tripura State Electricity Corporation Limited (TSECL). The list of participants in the 37<sup>th</sup> CC meeting is attached **(Annexure – A)**.

The meeting commenced with the singing of the national anthem followed by welcome speech by Shri M. Debbarma, Director (Tech), TSECL. Shri Debbarma extended warm welcome and greetings to Shri P. K. Mishra, Member Secretary, NERPC, Shri V. Suresh, CGM, NERLDC, Shri B. M. Saikia, CGM, APDCL, Shri B. Lyngkhai, Director, NERPC, Shri G. Doje, CE, Ar. Pradesh and all participants in the meeting. During his brief address, Shri Debbarman expressed concern about the difficulty in implementation of the DSM 4<sup>th</sup> amendment and its stringent penalty clause which is effective since January 2019. He requested the forum to look into the matter and discuss in details so that views of NER Utilities can be submitted to Hon'ble CERC for consideration. Further, he also stressed the need of solar power in the region to blend with conventional energy even though its integration into the grid would be a challenge.

Shri P. K. Mishra, Member Secretary, NERPC welcomed all participants and thanked TSECL for hosting the 37<sup>th</sup> CCM. He informed that CC Meetings are being held regularly in other regions of the country but in NER the same was not possible. Hence, many important issues could not be discussed and resolved. He requested all constituents to look into the matter seriously so that the CCM can be held regularly as per the roster.

Shri B. Lyngkhai, Director, NERPC informed the forum and extended heartfelt condolence on the sad demise of Ex. E-in-C of P&ED, Mizoram Shri L. Pachuau who

had passed away recently. A minute of silence was also observed in remembrance and prayer for the lost soul.

On behalf of NERPC Secretariat, Shri S. M. Aimol, Dy. Director, NERPC conveyed gratefulness to Shri M. Debbarma, Director (Tech), TSECL for his keen interest and cooperation towards hosting of the 37<sup>th</sup> CCM in Agartala. He also expressed gratitude to all officers of TSECL and other personnel who had worked hard for making comfortable arrangement for the meeting. He also thanked senior officers and all delegates for their active participation and cooperation in the meeting.

The following are the decisions taken in the 37<sup>th</sup> Commercial Committee meeting:

## CONFIRMATION OF MINUTES

### 1. CONFIRMATION OF MINUTES OF THE 36<sup>TH</sup> COMMERCIAL SUB-COMMITTEE MEETING OF NERPC:

Director/SE informed that the minutes of the 36<sup>th</sup> CCM held at "Waii International Hotel", Itanagar, Arunachal Pradesh on the 3<sup>rd</sup> August 2018 was circulated vide No.: NERPC/COM/CC\_Min/2018/2865-2911 dated 4<sup>th</sup> September 2018.

Observations have been received from APDCL and NTPC under item no. 3.2 and item no. 10.1 respectively. The portion of the modified minutes under stated agenda is in **Annexure B**. With the incorporation of the above, the sub-committee confirmed the minutes of 36<sup>th</sup> CCM of NERPC.

## AGENDA ITEMS

### 2. AGENDA ITEMS FROM NERPC

#### **2.1 *Status of Contribution for NERPC App***

Letter for contribution of fund towards design & development of NERPC Mobile App etc was sent to all constituents vide NERPC letter No.NERPC/SE(O)/Committee/Board Fund/2015/3751-3764 dt. 13/01/2017. CPSUs are to contribute Rs 8 Lakhs each whereas states & traders are to contribute Rs 1.11 Lakhs each. All the constituents except Manipur have paid their respective amount.

Manipur is requested to deposit the amount of Rs 1.11 lakh at the earliest.

**Deliberation of the Sub-Committee**

Manipur representative informed that the amount of Rs 1.11 lakhs payable by Manipur for the development of NERPC Mobile App will be paid within the month of February 2019.

*The Sub-committee noted as above.*

**Action: MSPDCL**

**2.2 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. 2018 - 2019										
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)			

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

Presently, NTPC & NEEPCO are regulating Power to MeECL. NTPC & NEEPCO are required to furnish details as above.

**Deliberation of the Sub-Committee**

NEEPCO and NTPC informed that the requisite information will be sent to NERPC as soon as possible.

*The Sub-committee noted as above.*

### 3. AGENDA ITEMS FROM NEEPCO

#### 3.1 *Signing of PPA for 600 MW Kameng Hydro Electric Project (KaHEP)*

Kameng HEP (600 MW) to be owned and operated by NEEPCO is scheduled to be commissioned by June 2019. Allocation of power from KaHEP has been made by the Ministry of Power, Govt. of India vide letter No. 11/1/2002-DO (NHPC) dated 14.07.2009.

Draft PPAs were sent to all the beneficiaries of the project of NE region; However, Mizoram and Manipur are yet to convey any decision regarding signing of said PPA. Therefore, it is requested to the Electricity Department of Mizoram and MSPDCL of Manipur through this forum to sign the PPA as per allocated share of Kameng HEP.

The allocation to Mizoram and Manipur are detailed below for appraisal of the house.

Name of Beneficiary	% Allocation	MW Allocation (out of 138 MW)
Mizoram	6.34	9.00
Manipur	9.86	14.00

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

Mizoram representative informed that P&ED, Mizoram will not buy power from Kameng HEP. He further informed that Mizoram would send letter to NEEPCO for confirmation of their decision.

Manipur representative informed that the decision of Manipur Government on the purchase of power from Kameng HEP would be intimated to NEEPCO by 31<sup>st</sup> March 2019.

*The Sub-committee noted as above and requested that time line as given by Utilities during the meeting should be strictly adhered to.*

**Action: Mizoram, Manipur & NEEPCO.**

**3.2 Allocation of Unallocated 15 % of Power to NER states from Kameng Hydro Electric Project:**

As per the allocation order (11/1/2002-DO (NHPC) dated 14.07.2009) of Ministry of Power, Govt. of India, has provided 15 % (i.e. 90 MW) of Power from Kameng Hydro Electric Project are kept as an unallocated share for allocation to NER states.

In this regard, it is to bring to your kind notice that up-till now only four nos of NER beneficiary states have signed power purchase agreement (PPA) with NEEPCO for purchasing of Kameng power. Tripura has already refused to take power from Kameng and Mizoram and Manipur are yet to convey their final decision.

Other beneficiaries from Western and Northern regions are willing to take more power from Kameng HEP and it is also responsibility of NEEPCO to tie up entire power before starting of its commercial operation.

Under the above circumstances, the matter is placed for deliberation of the house, for discussion on allocation of 15 % unallocated share to NER states considering refusal of remaining NER states.

**Deliberation of the Sub-Committee**

GM (Comm), NEEPCO stated that Tripura has intimated their decision of not taking power from Kameng HEP.

Director/SE, NERPC clarified that the 15% unallocated quantum out of 600 MW ie, 90 MW is at the disposal of NER for allocation to NER constituents. He informed that the remaining NER beneficiaries/constituents should decide whether to surrender this power and inform NEEPCO accordingly so that NEEPCO can take necessary action to allocate this quantum of power to beneficiaries in other regions.

He further stated that in case confirmation letters are not received from constituents, then this unallocated power will be allocated to those NER beneficiaries taking firm power (firm allocation) in the same percentage as is being allocated in respect of other ISGS plants in NER.

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

***Action: Concerned constituents of NER and NEEPCO***

### **3.3 Deviation Regulation (DSM) 4<sup>th</sup> Amendment for Sign Reversal in every 7<sup>th</sup> time blocks in case of Seller:**

As per the CERC of DSM Regulation (4<sup>th</sup> Amendment issued by CERC vide order No. L-1/132/2013 -CERC dated 20.11.2018) the clause stated as ***“In the event of sustained deviation from schedule in one direction (Positive or negative) by any regional entity (Buyer or Seller), such regional entity shall have to change sign of their deviation from schedule, at least once, after every 6 time blocks. Provided that violation of the requirement under this clause shall attract an additional charge of 20% on the daily base DSM payable/Receivable as the case may be”.***

The above DSM amendment clause is **difficult to implement** particularly in **Hydro Power Seller**, as during the lean season, **Hydro plant are taking power from grid for a long period of time (i.e. continuous negative deviation) in a day**, till the Hydro machines comes in peak hours. In addition, during the Plant shutdown of a Hydro plant for annual plant maintenance for a period of few days or in case of Gas Thermal Plant for Gas grid shutdown or any other emergency situation resulting forced shutdown to the thermal plant.

The matter is placed for deliberation of the house, seeking immediate revision on the same, so that **additional charge as Penalty on sign change may not be considered for above condition when there is no injection from hydro plants (operating by NEEPCO).**

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

After detailed discussion, it was agreed not to apply Zero Crossing violation to a generator when the schedule is zero. It was agreed that this would be made effective retrospectively from 01.01.2019.

It was also agreed that generators might explore possibility of purchasing power through STOA route when entire plant is under shut-down for a prolonged period.

***The Sub-committee noted as above and decided that the views of all the constituents as suggested during the meeting are to be compiled by NERPC and send to Hon'ble CERC.***

### 3.4 *Non-receipt of payment from MePDCL, Meghalaya*

Outstanding dues of MePDCL, Meghalaya payable to NEEPCO as on 31.01.2019 are as follows:

Beneficiary	Principal (₹ in crore)	Late Payment Surcharge accumulated till 31.1.2019 (₹ in crore)	Total (₹ in crore)
<b>MePDCL, Meghalaya</b>	<b>339.96</b>	<b>256.07</b>	<b>596.03</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, to appraise the house on their action plan for early settlement of the said dues.

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

MeECL representative informed that efforts are being made to clear the outstanding dues of all beneficiaries.

#### ***Action: MePDCL/MeECL***

### 3.5 *Submission of payment release intimation by the beneficiaries:*

The matter was discussed in detail in earlier meetings. But still most of the beneficiaries while making any payment do not give any intimation to NEEPCO. NEEPCO requires the information immediately from its beneficiaries regarding the payments released by them & bill references there-of for early updation of its accounts. In addition, such details are required for allowing admissible rebate to the beneficiaries.

Considering the importance for immediate intimation on payment released and bill details as highlighted above, the matter is placed for deliberation seeking immediate action on the same.

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

All beneficiaries were requested to take immediate action for sharing information about payment details to NEEPCO whenever they are making payment.

NEEPCO was also advised to follow it up and pursue with beneficiaries as it is for the interest of both NEEPCO and beneficiaries.

**Action: NEEPCO & all beneficiaries**

#### **4 AGENDA ITEMS FROM NERTS/POWERGRID**

##### **4.1 *Outstanding dues:***

The total outstanding of POWERGRID's NER beneficiaries as on 05.02.19 is as under and DICs may kindly liquidate their respective outstanding dues immediately.

*(All Figures in INR Crores)*

<b>DIC</b>	<b>Total Outstanding</b>	<b>Outstanding more than 60 days</b>	<b>Average billing</b>	<b>Remarks</b>
Ar. Pradesh	10.52	6.44	2.37	<i>approx. 03 months receivables</i>
AEGCL (Assam)	3.09	0.00	38.14	-
MSPDCL Manipur	9.11	1.88	3.72	-
MeECL (Meghalaya)	14.77	8.51	3.73	<i>approx. 02 months receivables</i>
Mizoram	1.55	0.00	3.03	-
Nagaland	0.00	0.00	3.04	-
TSECL (Tripura)	1.36	1.36	3.50	-
<b>Total</b>	<b>40.40</b>	<b>18.20</b>	<b>57.53</b>	-

Concerned DICs with >60 days outstanding may be impressed upon to clear the outstanding dues immediately as POWERGRID is facing financial constraints.

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

CE, Arunachal Pradesh informed that they have released some amount towards outstanding dues of POWERGRID. The rest amount of outstanding dues will be paid in a week's time.

Manipur representative informed that outstanding dues more than 60 days will be paid by 20th February 2019. However, POWERGRID requested Manipur to clear the entire outstanding amount of Rs 12.82 Crs (as of 13.02.2019) by end of February, 2019 for which Manipur has agreed to consider the request of POWERGRID.

Tripura representative stated that TSECL will liquidate their outstanding dues of more than 120 days very shortly.

POWERGRID requested Meghalaya to release the amount of outstanding of more than 60 days i.e., Rs 8.58 Crs at the earliest. POWERGRID also informed the forum that notice of Regulation of Power Supply for default of Meghalaya in making payment of dues has been served on 18.01.2019 and in view of commitment by Meghalaya vide their letter dated 28.01.2019, to liquidate the balance dues of more than 60 days by 15.02.2019, POWERGRID has deferred implementation of proposed regulation of power supply temporarily. Further, POWERGRID has also requested Meghalaya to liquidate the entire outstanding dues at the earliest.

***The Sub-committee noted as above and requested all concerned constituents to liquidate all outstanding dues at the earliest.***

***Action: All concerned constituents as above***

***4.2 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 (05.02.2019) OF NER BENEFICIARIES

Sl	Beneficiary	Required LC Amount	Validity of existing LC	Total LC Amount to be renewed including enhanced value		
				Existing	Enhancement	Total
1	Ar. Pradesh	321.46	31.03.19	321.46	0.00	321.46
2	AEGCL (Assam)	4217.83	31.05.19	4217.83	0.00	4217.83
3	Manipur	431.26	16.10.18	236.79	<b>194.47</b>	431.26
4	MeECL (Meghalaya)	365.00	04.10.19	365.00	0.00	365.00
5	Mizoram	400.94	04.05.19	400.94	0.00	400.94

6	Nagaland	359.78	21.03.19	437.73	-77.95	359.78
7	TSECL Tripura	366.47	14.02.19	325.00	<b>41.47</b>	366.47

(All Figures in INR Lakh)

- **Manipur** may be impressed upon for extension of LC for requisite amount immediately as nearly 04 months have passed since the validity of LC has long expired.
- **Tripura** may also be impressed upon for extension of LC for requisite amount immediately as the validity of LC is going to expire on 14.02.2019.

**Deliberation of the Sub-Committee**

POWERGRID representative stated that Manipur is yet to extend the LC which has expired about 4 months back and due to this, POWERGRID is facing Audit observations.

Representative of Manipur assured that all formalities for renewal of LC have been completed and they will be extending the LC within few days.

Tripura representative informed the forum that they have already renewed the LC and also handed over the same to POWERGRID.

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

***Action: MSPDCL/Manipur***

**5. AGENDA ITEMS FROM OTPC**

**5.1 *Outstanding Dues of OTPC against NER beneficiaries***

The current total outstanding dues of OTPC against the NER beneficiary states (as on 30-01-2019) are as under:

(Amount in Rs Crores)

Sl. No.	Beneficiary	Outstanding Dues (>60 Days)	Total Outstanding
1	Ar. Pradesh	6.39	10.06
2	Assam	0.00	0.00
3	Manipur	0	7.41

4	Meghalaya	85.12	98.44
5	Mizoram	0.00	2.46
6	Nagaland	0.00	0.00
7	Tripura	0.00	23.60
	Total	74.71	142.97

The total outstanding dues as on 30-01-2019 are Rs 142.97 Crores out of which outstanding beyond 60 days is Rs 85.12 Crores. While the outstanding dues for other beneficiaries are regular monthly bills, for Meghalaya the dues have accumulated to alarming 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, are hence requested to clear at least the outstanding dues over 60 days, at the earliest. The forum is requested to impress the urgency of the issue upon Meghalaya.

**Deliberation of the Sub-Committee**

GM (Commercial), OTPC expressed concerned about outstanding dues of MeECL and requested NERPC to take up at highest level for liquidation of dues at an early date. He stated that being a single plant company OTPC cannot continue to supply power without sufficient cash flow.

Director/SE, NERPC informed that NERPC will take up the issue with concern authority of Meghalaya once again.

**Action: OTPC & NERPC**

**5.2 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 Upto	Remarks
1	Ar. Pradesh	11.62	11.62	08-Oct-2019	LC is in place
2	Assam	40	40	28-Apr-2019	LC is in place

3	Manipur	15.02	3.7	16-Oct-2018	Manipur is yet to enhance and renew the LC
4	Meghalaya	29.78	-	-	Meghalaya has never provided the LC even after continuous persuasion
5	Mizoram	7.5	7.5	6-May-2019	LC is in place
6	Nagaland	9.46	9.46	20-Mar-2019	LC is in place
7	Tripura	46.53	18	19-Mar-2019	LC is in place. However, Tripura is requested to enhance the LC in line with the requirements of the PPA.

Beneficiaries are requested to enhance and renew the LC amount as per the PPA at the earliest.

**Deliberation of the Sub-Committee**

The defaulting beneficiaries were requested to provide required LC without further delay.

*The Sub-committee noted as above.*

**Action: All concerned beneficiaries.**

**6. AGENDA FROM NTPC**

**6.1 *Revision of Compensation Account***

This has reference to SI No 10.1 of minutes of meetings of 36<sup>th</sup> Commercial Coordination meeting issued on 04.09.2018, wherein revised method of calculation of compensation amount payable to BgTPP by not including Regulated Entity. In

this regard a clarification vide ref ERII HQ/COMML/2018-19/01 dated 21/09/2018 has already been submitted by NTPC Ltd to revise the procedure used for calculation of compensation account of BgTPP. Therefore, in view of clarification given by NTPC, it is kindly requested to revise the compensation account of BgTPP by including the quantity (share) of power under regulation to MeECL while calculating effective capacity.

**Deliberation of the Sub-Committee**

Director/SE, NERPC acknowledged the receipt of NTPC's letter for revision of compensation accounts (**Annexure- 6.1**). He further added that the claim as raised by NTPC is being examined and necessary action will be taken in due course.

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

**Action: NERPC**

**6.2 Liquidation of Outstanding by MeECL:**

Outstanding dues more than 60 days as on 04.02.2019 is Rs 225.35 Crore.

Sl. No.	Beneficiaries	Prin. Amount (in Rs Cr)	Late Surcharge	Total O/S in Cr.	O/S more than 60 days
1	Meghalaya	205.99	43.91	249.90	225.35

Meghalaya is requested to make payment to NTPC at the earliest.

**Deliberation of the Sub-Committee**

MeECL was requested to clear outstanding dues of NTPC at the earliest.

**Action: MePDCL/MeECL**

**6.3 Opening of Letter of Credit:**

Following beneficiaries have not yet opened the LC of required amounts after commercial operation of BgTPP U#2 w.e.f 01.01.2019.

Sl. No	Beneficiaries	LC Required As per PPA (Cr.)	Remarks
1	MeECL Meghalaya	8.75	Not yet opened
2	*DoP, Ar. Pradesh	8.79	LC opened for Rs 4.01 Crs. LC to be enhanced.

3	MSPDCL, Manipur	7.95	Not yet opened
4	TSECL, Tripura	11.08	Not yet opened

\*Additional Rs 7.41 Cr LC to be opened as against power supply from Unchahar-I. MeECL, DoP Arunachal, MSPDCL, TSECL are requested to open the LC of requisite value.

**Deliberation of the Sub-Committee**

NTPC representative explained the benefit of opening LC and availing of rebate on timely payment etc.

Concerned beneficiaries were requested to open/enhance LC at the earliest.

**Action: MeECL, Ar. Pradesh, Manipur & Tripura**

**6.4 Total outstanding RRAS payable to NTPC upto 30.12.2018 Rs 29.92Cr:**

NERLDC is requested to release the amount.

**Deliberation of the Sub-Committee**

NERLDC representative clarified that DSM pool account is in deficit mode. He informed that once the balance of pool accounts improve, payment will be released to the receivable entities.

**Action: NERLDC**

**6.5 Bundled power offered by Ministry of Power:**

Confirmation of bundled power offered by Ministry of Power to Manipur, Meghalaya & Tripura. Tripura has already given their reply. Manipur and Meghalaya are requested to reply to MoP.

**Deliberation of the Sub-Committee**

NTPC representative stated that offer for bundling BgTPP power with cheaper power from other NTPC plants was communicated by Ministry of power to Manipur, Meghalaya and Tripura. Manipur and Meghalaya were offered cheaper power from Vindhyaachal plant but yet to response.

Manipur representative stated that they will response to Ministry of Power as soon as possible.

Meghalaya was also requested to send reply to the offer of Ministry of Power.

**Action: Manipur & Meghalaya**

## 7. AGENDA FROM NHPC

### 7.1 CERC DSM Regulation, (4<sup>th</sup> Amendment)- Discrepancy in Actual Transmission data of Loktak Power Station, NHPC.

As per CERC DSM Regulation, (4th Amendment issued by CERC vide order No. L-1/132/2013-CERC dated 20/11/2018) in the event of sustained deviation from schedule in one direction by any regional entity, such Regional entity shall have to change sign of their deviation from schedule at least once after every 6 time blocks. The violation under this clause attracts additional charges of 20% on the daily DSM payable/receivable. In case of Loktak Power Station (3X35MW) of NHPC when machines are not operational (Off peak hour in lean season) and schedules is zero the actual transmission figures are non-zero, resulting in deviation from schedule. In this scenario, when there is no injection of Power from Loktak, the actual transmission figures are beyond control of Power Station, therefore it is not possible to do the sign reversal of deviation from schedule as stipulated in the above said regulations resulting in additional charges to NHPC.

Similar case also existed in Northern Region, which was taken up with NRPC in the 155th OCC Meeting of NRPC held on 17<sup>th</sup> January 2019, wherein it was decided that ***“where injection schedule given to the generator is zero and the power from the grid is being drawn by the generator for their auxiliary consumption, in such scenario, no “additional Charge” for sustained deviation shall be imposed”***.

Accordingly, the Deviation Settlement Account for the week 31<sup>st</sup> December 2018 to 06<sup>th</sup> January 2019 has also been issued by NRPC on above assumptions (Copy attached **Annexure-7.1**).

In view of above, it is requested that in above condition when there is no injection from Loktak Power House or in such cases, the additional charge as Penalty on sign change may not be considered.

**Deliberation of the Sub-Committee**

As discussed in item no. 3.3

**7.2 Outstanding dues of NHPC for more than 60 days:**

**MeECL (Meghalaya):** As per MeECL letter No.251 dated 31.01.2017 entire outstanding dues had to be cleared by August, 2017. But till date, MeECL Meghalaya have not cleared the entire dues despite repeated reminders from our end. As on date, an amount of **Rs. 26.03 Crs** (Including surcharge of **Rs.15.50 Crs** up to 31.12.2018) is due for payment from MeECL, Meghalaya. It is reiterated that amount outstanding beyond a period of 60 days from date of billing is attracting late payment surcharge at the rate of 1.50% per month as per CERC (Terms & Conditions of Tariff) Regulations, 2014. The auditors are stressing upon NHPC to settle the issue of huge pending outstanding dues at the earliest. Latest reminder has been sent on 21.01.2019.

MeECL, Meghalaya is requested to liquidate the entire outstanding dues as early as possible.

**Deliberation of the Sub-Committee**

MeECL representative informed that MeECL was giving their best effort to clear outstanding dues.

MeECL was requested to liquidate outstanding dues of NHPC.

**Action: MePDCL/MeECL**

**8 AGENDA FROM NERLDC**

**8.1 *Deviation charges outstanding:***

Status of Deviation charges outstanding as on 05/02/19 up to week-30 (24/12/18 to 30/12/18) of FY 18-19 is attached (**Annexure-8.1**). From the same it can be seen that Arunachal Pradesh (Rs.1036.88 Lakhs; greater than 13 weeks Rs 318.06

Lakhs), Manipur ( Rs 282.49 Lakhs; greater than 13 weeks Rs 45.93 Lakhs) and Tripura (Rs 117.57 Lakhs; greater than 13 weeks Rs 80.94 Lakhs), Assam (Rs 387.88 Lakhs) & Nagaland (Rs. 292.72 Lakhs).

It is reiterated that outstanding >13 weeks may result in action as stipulated by CERC by not allowing open access.

Ar. Pradesh, Tripura & Manipur are required to take immediate necessary action.

**Deliberation of the Sub-Committee**

NERLDC representative intimated that Ar. Pradesh has cleared the outstanding dues till 30/12/18. Tripura, Manipur and others were requested to clear the outstanding and make current payment on regular basis.

The issue of high accumulation of DSM charges post 1<sup>st</sup> Jan'2019 with implementation of 4<sup>th</sup> Amendment of DSM Regulations was highlighted and all constituents were sensitized to take necessary action to reduce Zero Crossing Violations.

***Action: All concerned constituents***

**8.2 Reactive Charges Outstanding:**

Status of Reactive charges outstanding as on 05/02/19 up to week-30 (24/12/18 to 30/12/18) of FY 18-19 is attached (**Annexure-8.2**). From the same it can be seen that Arunachal Pradesh - Rs 29.08 Lakhs, Assam - Rs 16.54 Lakhs, Manipur - Rs 4.2 Lakhs, Mizoram - Rs 7.4 and Nagaland - Rs 6.7 Lakhs are major defaulters.

Arunachal Pradesh, Assam, Manipur, Mizoram and Nagaland are required to take immediate necessary action.

**Deliberation of the Sub-Committee**

NERLDC representative intimated that Ar. Pradesh has cleared the outstanding dues. All other States were requested to clear the outstanding dues immediately.

***Action: All concerned constituents***

**8.3 Opening of LC against Deviation Charges Liability:**

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

Constituents	LC to be open (in Lakhs)
AR. PRADESH	182.36
ASSAM	199.63
MANIPUR	69.32
MEGHALAYA	37.52
MIZORAM	10.93
NAGALAND	91.77
TRIPURA	78.40

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

**Deliberation of the Sub-Committee**

It was decided that NERLDC would issue a fresh letter to all NER Entities intimating the amount for which LC is to be opened.

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

**Action: NERLDC**

**8.4 Fees & Charges outstanding**

NERLDC is raising the bill on monthly basis on the first working day of every month in Terms of the CERC (Fees & Charges of RLDC and other related matters) Regulation, 2015.

The Status of Fees & Charges outstanding are mentioned below:

ENTITY	TOTAL OUTSTANDING (LAKH)	ABOVE 60 DAYS (LAKH)
AR. RADESH	21.70	10.85

**ARUNACHAL PRADESH IS REQUESTED TO CLEAR THE OUTSTANDING.**

**Deliberation of the Sub-Committee**

NERLDC intimated that Ar. Pradesh has cleared the outstanding dues.

***The sub-committee noted as above and appreciated Ar. Pradesh for taking action in clearing all outstanding dues.***

**8.5 SAMAST implementation in NER:**

Detailed Project Report of all States prepared and submitted for PSDF funding on 30.05.2018. Summary of project cost is as below:

**SAMAST DPR OF NER STATES**

<i>Figures Rs. in Lacs</i>								
SN	Name	No. of Meters	Cost of Meter	Cost/Meter	Cost of HW/SW	Project cost of SAMAST	CT/PT Replacement	Grand Total
1	AP	121	55.7	0.461	1287.6	1343.3	0.0	1343.3
2	Assam	700	322.5	0.461	1530.8	1853.3	157.6	2010.9
3	Manipur	589	284.9	0.484	1561.6	1846.5	1685.5	3532.0
4	Meghalaya	374	180.9	0.484	1467.0	1647.9	229.3	1877.2
5	Mizoram	413	190.3	0.461	1435.7	1626.0	200.0	1825.9
6	Nagaland	198	91.2	0.461	1335.9	1427.1	445.0	1872.2
7	Tripura	366	168.6	0.461	1343.1	1571.7	1339.3	2851.0
<b>Total =</b>		<b>2761</b>	<b>1294.0</b>	<b>-</b>	<b>9961.8</b>	<b>11255.8</b>	<b>4056.6</b>	<b>15312.5</b>

- a. Subsequently, as agreed in OCC and CC forums of NERPC, various Committees have been formed comprising of NER utilities to finalise technical specs of hardware, software and all related items to enable to commence the process of tendering.
- b. The Committees have finalized Technical specs of following:
  - (i) Software requirement specification (SRS) of AMR system:
  - (ii) SRS of Meter data processing software:
  - (iii) SRS of REA, DSM Accounting and Reactive Accounting software:
  - (iv) SRS of STOA, Scheduling and Reporting software:
  - (v) Technical specs of hardware (Servers, Computers and accessories) at SLDC:

(vi) Technical Specs of 5 minute time block-wise Special Energy Meter:

c. Matter was discussed in 19<sup>th</sup>. TCC/19<sup>th</sup>. NERPC meetings held at Guwahati on 28<sup>th</sup> and 29<sup>th</sup> Nov, 2018 and following were agreed:

- Bulk tendering for SAMAST pertaining to all states of NER by NERPC Secretariat.
- LOA by individual states.
- QCBS (Quality and Cost Based System) for selection of bidder/s for SAMAST project.
- Formation of project monitoring committee comprising of SLDC heads of NER & SAMAST group members

TCC also recommended for NERPC approval regarding taking up with TESG of PSDF for funding of CT/PT cost as SAMAST would not be effective without appropriate CT/PT.

d. TESG (Techno Economic Group of PSDF) raised certain queries about DPR vide letter dated 18.10.2018 and the replies have been submitted by NER States in the last week of Jan'19.

e. Final approval from PSDF is awaited.

*Discussion regarding further course of action:*

Preparatory action for Tendering, finalization of bid documents, QCBS methodology etc.

Discussion with prospective bidders.

Formal notification by NERPC regarding Project Monitoring Committee.

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

Sr. GM (MO), NERLDC intimated that queries of TSEG pertaining to SAMAST have been replied by all NER States.

Director, NERPC stated that further action to initiate modalities for tendering etc. would be completed by 1<sup>st</sup> week of March 2019.

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

### **8.6 CERC Order on "Pilot on Security Constrained Economic Dispatch (SCED) of Inter-State Generating Stations (ISGS) Pan India"**

NERLDC will make a presentation on this Discussion Paper.

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

Sr. DGM (MO), NERLDC gave a presentation on this Discussion Paper highlighting the Technical and Commercial aspects of SCED. Copy of Presentation is attached **(Annexure 8.6)**

### **8.7 Tabling quarterly figures of Deviation and Reactive Pool Account in Commercial Committee**

The quarterly figures of Deviation and Reactive Pool Account was circulated in the meeting for information and perusal by members.

## **9 AGENDA ITEMS FROM APDCL**

### **9.1 Confirmation of Minutes of 36<sup>TH</sup> Commercial Co-ordination Committee (CCC) Meeting:**

APDCL has sought certain amendments in the Minutes of 36<sup>TH</sup> CCC Meeting vide its Letter No.117 dated 26.09.2018 **(Annexure-9.1)**. Necessary amendments may kindly be incorporated.

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

As discussed in item no. 1. Portion of the modified minutes attached **(Annexure-B)**.

### **9.2 Settlement of Meter Reading of 11 KV Rowing Feeder as per Minutes of the 36<sup>TH</sup> Commercial Co-ordination Committee Meeting of NERPC.**

This is with reference to the Agenda Item 3.1 of the above Minutes circulated by NERPC vide its Letter No. NERPC/ COM/ CC\_Min/ 2018/ 2865-2911 Dated 04.09.2018. As per Minutes, the reconciliation of monthly meter readings for the anomalous period is to be carried out by Assam and Arunachal Pradesh (AP).

Accordingly APDCL has sent the meter readings for the stop period on the basis of new meter installed in the feeder on 13<sup>TH</sup> July, 2011. The detailed extract copy of meter readings of the said feeder starting from FY 2008-09 to January' 2012 was furnished to AP vide APDCL Letter No. APDCL/ ACE (COM)/ PS-8(1)/ PT-3/ 2006/

116 dated 18.09.2018 (**Annexure-9.2**) for kind information and necessary subsequent action. It may kindly be seen that the monthly average consumption of the feeder before start of malfunction was @ 160.487 MWh and after replacement of the anomalous meter, the monthly average consumption came up to 211.747 MWh on the basis of joint meter reading sheet signed by both APDCL and AP. As per norms, the regularization for meter stop period is to be done on the basis of monthly average consumption @ 211.747 MWh. There are no any adverse comments against our above letter from AP side.

Now the NERPC and NERLDC is requested to furnish the necessary applicable monthly average DSM rate so that APDCL can regularize the energy accounting and billing to Arunachal Pradesh accordingly for final settlement of the issue for the relevant period.

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

The sub-committee advised both Ar. Pradesh and Assam to resolve the issue bilaterally.

Representatives of both the States intimated that they will settle the issue bilaterally as decided in earlier CC & Special Meetings. The agenda is henceforth resolved and dropped.

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

#### **9.3 Transaction of power in between Assam and Nagaland through 33 kV & 11 KV lines:**

There is also similar transaction of drawl of its share of central sector power by Nagaland by only one line i.e. 33 KV Mariani-Chanki Feeder through APDCL network. Normally Nagaland draws power @ around 2 MW through this line from Assam. Such transactions through 33 kV & 11 KV lines through Assam network by neighbouring state like Arunachal Pradesh (AP) and Nagaland is affecting the Point of Connection (POC) charge of Assam as their drawl is being booked as deemed drawl of Assam. To alleviate that burden of APDCL to some extent, APDCL and AP had arrived at a mutually agreed decision under direction of NERPC and NERLDC

and the same was deliberated and decided under Agenda Item 3.2 of the 36<sup>TH</sup> Commercial Committee Meeting of NERPC dated 3<sup>RD</sup> August' 2018.

It is therefore requested that in the interest of justice, the same methodology be extended to this transaction with Nagaland also with the same effective date.

**Deliberation of the Sub-Committee**

The CC forum agreed to the proposal of Assam. However, the matter could not be confirmed as Nagaland was not represented in the meeting.

**ANY OTHER ITEMS**

***10.1 Revision of transportation tariff of Natural Gas supplied to TSECL and NEEPCO by GAIL India Ltd. as per order of Petroleum & Natural Gas Regulatory Body dated 27-09-2018 inviting huge financial implication on beneficiary w.e.f. 01-04-2018. - TSECL***

Tripura and NEEPCO has long term Agreement with GAIL India Ltd. for supply of gas to Baramura, Rokhia Gas Thermal Plant and AGTPP (CC), NEEPCO. As per the agreement GAIL India Ltd. used to recover the transportation tariff @Rs.5.80 per MMBTU w.e.f. 20-11-2008 determined by PNGBR.

The Petroleum and Natural Gas Regulatory Board (PNGRB) act 2006 was enacted on 31-03-2006 and as per chapter-III, the function of the Board is to protect the interest of consumers by fostering fair trade and competition amongst the entities and to regulate the refining, processing, storage, transportation, marketing and sale of petroleum, petroleum product and natural gas etc.

But, recently PNGBR against petition of GAIL determined the transportation tariff @Rs.45.89 per MMBTU w.e.f. 01-04-2018 which was earlier @Rs.5.80 per MMBTU without serving any copy of the petition to the long term beneficiary. This is completely a deviation / departure from the legislation and mandate provided in the said act. In fact, no opportunity was provided to the long term beneficiary to take appropriate defence while the Regulatory Board has been vested with the power of Civil Court under Code of Civil Procedure while trying a suit under SI.13 of the said

act. Therefore, the natural justice has not been maintained while determining the transportation tariff in favour of GAIL.

In view of the above, NEEPCO has claimed Rs.12.76 Cr. as recovery of revised transportation tariff from all the beneficiary of NER in which Tripura portion is Rs.2.17 Cr. w.e.f 01-04-2018 to 15-09-2018. Apart from this, TSECL is also liable to pay Rs.6.59 Cr. in connection with purchase of gas for Baramura & Rokhia Project w.e.f. 01-04-2018.

Considering, the huge financial burden on the beneficiary with retrospective effect and keeping the beneficiary in dark about the consequence, it is required to prefer an Appeal before Appellate Tribunal of Petroleum & Natural Gas against the impugned order of PNGBR to obtain relief from paying of such high transportation tariff.

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

GM (Comml), NEEPCO informed that date line for filing of petition was over as the instant order had been passed in November 2018. She however suggested that petition may still be filed by giving reasons/justification for delay in filing by due date.

The sub-committee agreed to the proposal of TSECL and it was decided to take up the issue in the next RPC meeting.

#### **10.2 Exemption from DSM in respect of Biswanath Chariali HVDC S/S. - POWERGRID**

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

With reference to the provision of 4<sup>th</sup> Amendment of DSM regulation, POWERGRID representative informed that:

- A petition is being filed in CERC for exemption from the provision of DSM regulation of HVDC stations in POWERGRID
- Power that is actually required by the HVDC station for their auxiliary consumption is completely beyond the control of POWERGRID. Any increase or decrease in the quantum of power being transmitted through the HVDC transmission network directly and almost proportionately impacts the power required by the HVDC station for their auxiliary consumption and also in the event

of any surge or drop in the temperature or the weather conditions in and around the HVDC station would lead to an increase or decrease in the quantum of power required for the auxiliary consumption.

The combination of the aforesaid factors is responsible for determining the actual power required by the HVDC station for their auxiliary power consumption. Therefore, it is extremely difficult for POWERGRID to provide a schedule for the drawal of power by its HVDC substation.

He however informed that ZCV surcharges for DSM week 31.12.18 to 06.01.19 & 07.01.19 to 13.01.19 have been paid.

*The sub-committee noted as above*

### **10.3 Difficulty and issues regarding DSM 4<sup>th</sup> Amendment regulation – NTPC**

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

NTPC raised various concerns and difficulty faced by them with respect to 4<sup>th</sup> DSM amendment. The followings are the issues and views as put up by NTPC in the 37<sup>th</sup> CC meeting:

1. The regulations require change of sign after every 6 time blocks and non-compliance invites severe penalty. In case of shut down of the station, the schedule generation for the station is zero but the station draws power from grid for operation of its auxiliaries. Thus the deviation from schedule is on the negative side. It is impossible in such situation for the station to change the sign of deviation. As per amended regulation, penalty is being imposed.
2. For any over injection, for the station under section 62, the cap rate for receivable is their energy charge rate. Whereas for stations under section 63, the cap rate is 303 p/kWh despite ECR of these stations being known upfront. Therefore, it is requested that the cap rate to for the project under section 62 may be made Rs 3.03 kWh as well.
3. In case of NTPC stations the ECR billed at the end of the month is provisional since SIMFR results of all coal samples are not available at the time of billing. The ECR is subsequently revised when all coal samples of CIMFR is available. For the purpose of DSM regulation, these regulations of DSM should be permitted.

4. RGMO/FGMO influence:

Dead band of Freq is  $\pm 0.03$  HZ. In case 500 MW unit was running at 450.5 MW against a SG of 450 MW for last 4-5 blocks and then freq varies by say (-) 0.06 HZ, the RGMO/FGMO will take the unit loading to 462.5 MW. If this status remains for 2 blocks, it qualifies for penalty or else operator has to manually intervene and bring the load set point to say 438 MW offering the frequent intervention to achieve (-ve) sign, thereby avoiding penalty.

As can be seen from the above example, in case of freq. dip, operator is forced to reduce the load then RGMO/FGMO bring it back to set point. The whole operations make RGMO/FGMO redundant to avoid the penalty.

Moreover, RGMO/FGMO itself has got its own inaccuracies of 0.1% and total inaccuracies of 0.1% and total inaccuracies including CT/CVT, energy meters may go up to 1%. Therefore a dead band of 2-3% of MCR is must for sign change to keep RGMO/FGMO operation active.

Once the dead band of  $\pm 3\%$  is adopted to take care of the issues highlighted above it would be prudent to increase the dead band for energy to  $\pm 3\%$  per day against  $\pm 1\%$  per day proposed in the regulation.

5. In case of unit tripping/start auxiliaries creates a negative loading for quite good time on remaining units. This calls for revision of DC which gets applicable for 4 blocks. In case the station was having minor variation of say (-) 0.5 MW for more than 3 blocks it would amount to have (-) sign for 7 unavoidable blocks qualifying for penalty.

6. In case of minor trouble say fuse has blown for GT fans supply and temperature of GT increasing. Load is reduced. Maintenance staff takes 45 minutes to replace the fuses. In case station was already having a minor variation of say (-) 0.5 MW before blowing of fuses to more than 2 blocks, it would amount to have (-) sign for more than 6 blocks before schedule could be revised.

7. In the DSM 4<sup>th</sup> amendment, additional charge for violation in sign change are being calculated based on the AG derived from reading of special Energy Meter (SEM) data which is available only after posting of RPC. In real time, station is

changing the sign based on the AG derived from alternate meter reading as the station does not have access to SEM reading on real time basis. As the meters are different, it leads to mismatch in sign change violation.

***The subcommittee noted as above and decided that all the issues regarding DSM 4<sup>th</sup> Amendment raised by constituents will be submitted to Hon'ble CERC.***

#### **10.4 Delay in issuance of Accounts by NERPC – NERPC**

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

Director, NERPC informed that due to acute shortage of man power in NERPC, it would be very difficult to complete the tasks on time. One of the most important works is the issuance of various accountings so that constituents can raise their bills on time. He requested NERLDC to assist NERPC in this regard.

CGM, NERLDC stated that NERPC & NERLDC has always been working in tandem for the benefits of NER and hence full support will be given by them to assist NERPC in this matter also.

***The forum thanked both NERPC & NERLDC for the cordial relationship and hope that the same spirit will continue in future for the benefit of the region.***

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

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

It was agreed that NHPC will host the next Commercial Coordination Sub-Committee meeting.

It was also once again reaffirmed that all constituents should host the CC meeting as per roster prepared by NERPC from time to time.

***NHPC will host the next CCM as per roster. The exact date and venue for the 38<sup>th</sup> CCM will be intimated in due course.***

\*\*\*\*\*

**ANNEXURE - A****List of Participants in the 37<sup>th</sup> CC Meeting held on 13<sup>th</sup> February, 2019**

S. N.	Name & Designation	Organization	Contact No.	Email Address
1	Sh. Gumdo Doji, CE (P)	Ar. Pradesh	9436248264	wezita@gmail.com
2	Sh. Hage Mima, SE	Ar. Pradesh	9436041594	mimahage@yahoo.co.in
3	Sh. Z. Nasho, EE (E)	Ar. Pradesh	7085483162	zombaseppa@gmail.com
4	Sh. B. M. Saikia, CGM, APDCL	Assam	9435017233	bms.saikia2@gmail.com
5	Sh. Dipesh Ch.Das, AGM (LD-Com)	Assam	9954110254	dipeshdas21@gmail.com
6	Sh. Bimal Ch. Borah, AGM, SLDC	Assam	9435117248	bimalchandraborah@gmail.com
7	Sh. Suresh Kaimal, DGM(F&A), AEGCL	Assam	9435114641	suresh11_k @ rediffmail.com
8	Sh R. Choudhury, DGM, (Com), APDCL	Assam	9435143426	rawman.ghy @ gmail.com
9	Sh. K. Goswami, Consultant, APDCL	Assam	9864020019	kumud_goswami @ rediffmail.com
10	Sh. Santosh Sharma, Manager, MSPDCL	Manipur	8119044134	santosh.mspdcl@gmail.com
11	Smt. R. G. L. Mawlong, EE (EM), MePDCL	Meghalaya	9436998350	rilangmawlong23@gmail.com
12	Sh. Lalrinmawia, SE	Mizoram	9436140764	lalrina5@gmail.com
13	Sh. J. H. Laithangliana, Sr. EE	Mizoram	9436143705	laithangliana63@gmail.com
	<b>No Representative</b>	<b>Nagaland</b>	-	-
14	Sh. M. Debbarma, Director (T), TSECL	Tripura	9436120134	dmahananda@rediffmail.com
15	Sh. A. Gan Chaudhuri, DGM (C&T), TSECL	Tripura	9436139311	ad_comm@rediffmail.com

**Minutes | 37<sup>th</sup> CCM | 13<sup>th</sup> February 2019 | Agartala, Tripura**

16	Sh. Anil Debbarma, DGM, SOD, SLDC	Tripura	9612589250	sod.secl@gmail.com
17	Sh. Debjani Dey, GM (Comml)	NEEPCO	9401012389	neepcocommercial@ gmail.com
18	Sh. Munin Choudhury, Sr. Mgr (Comml)	NEEPCO	9435339777 /8787891254	neepcocommercial@ gmail.com
19	Sh. Pulak Deka, Manager (M)	NHPC	9435187838	pulakdeka29@gmail.com
20	Smt. Seema Mishra, Sr. Mgr (F)	NHPC	9818678788	seema@nhpc.nic.in
21	Sh. Sonaram Marandi, Mgr (Comml.)	NHPC	9990228863	sonaram1@yahoo.co.in
22	Sh. R. K. Sood, RED of Commercial ER-II	NTPC	9650990616	rsood@ntpc.co.in
23	Smt. Suravee Tripathy, DGM (Comml.)	NTPC	9437001028	suraveetripthy@ ntpc.co.in
24	Sh. Arup Ch. Sarmah GM (Comml)	OTPC	9871839502	arup.sarmah@otpcindia.in
25	Sh. Anupam Paul Addl. GM (Comml)	PGCIL	9436302812	anupampal@ powergridindia.com
26	Smt. Rashmi Boro, Manager	PGCIL	9436335234	rashmiboro@ powergridindia.com
27	Sh. V. Suresh, CGM	NERLDC	9449599156	vsuresh@posoco.in
28	Sh. R. Sutradhar, Sr.GM	NERLDC	9436302714	rajibsutradhar1965@ gmail.com
29	Smt. Kritika Debnath, Engineer	NERLDC	9436930830	kritika@posoco.in
30	Sh. S. Shadrudin, Sr. DGM	NERLDC	9436335380	sheikhshadrudin@ posoco.in
31	Sh. P. K. Mishra Member Secretary	NERPC	9968380242	ms-nerpc@gov.in
32	Sh. B. Lyngkhai, Director/SE (C&O)	NERPC	9436163419	brieflee.lyngkhai@gov.in
33	Sh. S. M. Aimol Dy. Director/EE (C)	NERPC	8794002106	shialloa@yahoo.com
34	Sh. S. Mukherjee, AD-I	NERPC	8794277306	mukherjeesrijit2010@gmail.com

**ANNEXURE - B**

**Agenda item 3.2:**

In the 3<sup>rd</sup> Para of the Deliberation of the subcommittee,

Point no. 3 shall be amended as: "*The said energy would be used for the purpose of computation / billing of applicable transmission charges to be paid by Arunachal Pradesh to Assam on the basis of bill raised by APDCL.*"

Point no. 4 shall be amended as: "*NERPC Secretariat would issue a statement mentioning the transmission charges and APDCL would raise invoice accordingly.*"

Point no. 6 shall be amended as: "*The system will come into force prospectively from 01.08.2018 and transmission charges as determined by AERC from time to time will be applicable.*"

**Agenda item 10.1:**

After the 3<sup>rd</sup> Para, the following shall be inserted:

*"NTPC representative however stated that the compensation procedure being suggested/adopted by NERPC for rectification/revising compensation account is not in line with CERC IEGC Fourth Amendment Regulation 2010 and CERC order dated 05.05.2017. As Bongaigaon units are available for generation, hence compensation is to be paid to NTPC irrespective of the fact whether beneficiaries are under regulation or under scheduling. Further, the beneficiary has been regulated due to non-payment of dues and is responsible for power schedule of the unit resulting in degradation of operating parameters."*



एन टी पी सी लिमिटेड  
(भारत सरकार का उद्यम)  
**NTPC Limited**  
(A Government of India Enterprise)

पूर्वी क्षेत्र - II मुख्यालय  
Eastern Region - II Headquarters  
भुवनेश्वर / Bhubaneswar

Ref No: ERIHQ/COMML/COMP/2018-19/01

Date : 21/09/2018

To

The Member Secretary  
North Eastern Regional Power Committee  
NERPC Complex, Dong Parmaw  
Lapalang, Shillong – 793006 (Meghalaya)

**Sub: Revision of compensation account in view of 36<sup>th</sup> Commercial co-ordination committee dated: 04.09.2018, point 10.1**

Sir,

This has reference to minutes of meeting of 36<sup>th</sup> Commercial co-ordination committee issued on 04.09.2018.

In the said minutes at S.N. 10.1, NERPC concluded that Regulated Entity should not be held liable for compensation in reference to Meghalaya, which is under regulation. Consequently NERPC issued revised compensation account dated 11.09.2018 omitting Meghalaya share from effective capacity which resulted in under recovery in compensation amount for which the station is eligible as per CERC Regulation . In this regard, the view regarding monthly compensation amount at S.N. 10.1 , is as under, which are to be incorporated in minutes:

1. Hon'ble CERC order dated 05.05.2017, which prescribes the procedure for working out the compensation amount provides that station shall be entitled for compensation corresponding to its Effective Generation of the Station which has been defined as under:

**Quote**

**" 3. Definitions and abbreviations:**

.....  
(xi) "Effective Generation of the Station" in MWhr means the actual generation exbus of the designated station or the Schedule generation excluding the schedule under RRAS and bilateral sale/collective sale under open access during the calculation period whichever is higher"

**Unquote**

Therefore, as per Hon'ble CERC order for providing compensation, the effective generation of station is to be considered, which is higher of actual ex-bus generation and schedule generation excluding RRAS and bilateral sale/collective sale under open access. This definition does not stipulate that regulated power of any beneficiary is not to be considered while calculating effective generation of the station. However, NERPC in compensation account dated 11.09.2018 has reduced allocated capacity of Meghalaya which is under regulation.

Therefore, calculation in compensation account dated 11.09.18 is not in line with the Hon'ble CERC order dated 05.05.2017.

प्लॉट नं. - एन 17/2, ओ एल आई सो बिल्डिंग, तीसरी एवं चौथी मंजील, नयापल्ली, भुवनेश्वर - 751012, दुरभाष : 0674-2500918, फैक्स : 0674-2501919

Plot No. N-17/2, OLC Building, 3rd & 4th Floor, Nayapalli, Bhubaneswar-751012, Tele : 0674-2500918, Fax : 0674-2501919

पंजीकृत कार्यालय : एनटीपीसी भवन, स्कोप काम्प्लेक्स, 7, इन्स्टीटयुशनल एरिया, लोधी रोड, नई दिल्ली - 110003

Regd. Office : NTPC Bhawan, SCOPE Complex, 7 Institutional Area, Lodhi Road, New Delhi - 110003

दुरभाष/Tel : 011-24360100, फैक्स/Fax : 011-24361018, /वेबसाईट/Website : www.ntpc.co.in

2. Further, IEGC (Fourth Amendment) Regulations, 2016 dated 6th April, 2016, states that:

**Quote**

*"(vi) The compensation so computed shall be borne by the entity who has caused the plant to be operated at schedule lower than corresponding to Normative Plant Availability Factor up to technical minimum based on the compensation mechanism finalized by the RPCs."*

**Unquote**

Hence, regulation clearly provides that compensation payable to the generator due to degradation of operating parameters shall be borne by all those beneficiaries who are responsible for the lower schedule of the station. Therefore, recording of 36<sup>th</sup> Commercial Sub committee meeting that Regulated Entity should not be held liable for such compensation is not in line with IEGC (Fourth Amendment) Regulations, 2016. In this situation, Bongaigaon TPS is not getting compensation due to degradation of operational parameters and is suffering losses.

3. It is to be mention that, Hon'ble CERC order dated 05.05.2017 stated:

**Quote**

*"5.12.Regulation of Power Supply: When injection schedule of a CGS/ISGS falls below technical minimum due to imposition of regulation of power supply by the generating company or transmission licensee under the Central Electricity Regulatory Commission (Regulation of Power Supply) Regulations, 2010 and/or as per directions under the Commission order dated 2.9.2015 in Petition No. 142/MP/2012, the generator may endeavour to sell the surplus power through STOA or Power Exchange(s) before opting for RSD."*

**Unquote**

4. NTPC is putting the surplus power of BgTPP (regulated power of Meghalaya and URS power of other beneficiaries) in exchange and attempting to sell through other bilateral means. The same is being informed regularly to NERLDC & NERPC respectively. As per Regulation of Power Supply Regulations, 2010; NTPC is sharing the total gain with MeECL corresponding to the quantity of power sold in the power exchange. Therefore non-consideration of regulated quantity of power of Meghalaya in the calculation of Effective generation of the Station is in contravention to the above mentioned CERC Regulation.
5. As per Central Electricity Regulatory Commission (Ancillary Services Operations) Regulations, 2015, NERLDC is triggering RRAS UP regulation to BgTPP on regular basis. NTPC is also paying back the fixed cost to MeECL corresponding to their share in the total quantity of power scheduled through RRAS UP Regulation. Therefore, non-consideration of regulated quantity of power of Meghalaya in the calculation of Effective generation of the Station is providing double benefit to MeECL, which is in contravention to the above-mentioned Regulation.
6. Till date MeECL has paid Rs 30.36 Cr (Rs 16.39 Cr paid by MeECL, Rs 0.91 Cr Credit note adjustment and Rs 13.06 Cr adjusted against sale of Power through Exchange). The total outstanding as on 21.09.2018 is Rs 211.20 Crore. Needless to mention that Coal Companies and Railways are required to be paid advance by NTPC for supply of fuel and its transportation. Regardless to nonpayment, Bongaigaon is supplying reliable power to our beneficiaries on regular basis. So non-consideration of the regulated power of any beneficiary in the compensation calculation, will encourage other beneficiaries not to pay their legitimate power purchase dues intentionally, so as to get rid from liability of compensation charge.

7. This is a fact that our both units of BgTPP are running under partial loading condition because of under requisition by beneficiaries and regulation of power supply to Meghalaya. As a result we are incurring huge losses on account of deteriorated normative parameters like SHR, APC & Sp.Oil.
8. From the above mentioned paras of the different regulations of CERC, it is clearly understood that our station i.e. BgTPP is eligible for obtaining the compensation from the concerned beneficiaries.
9. It is requested that the view of NTPC regarding monthly compensation amount, which is as under, are to be incorporated in minutes at S.N. 10.1:  
"The compensation procedure being adopted by NERPC for revising compensation account is not in line with CERC IEGC Fourth Amendment Regulation 2010 and CERC order dated 05.05.2017. As Bongaigaon units are available for generation , hence compensation is to be paid to NTPC irrespective of the fact whether beneficiaries are under regulation or under scheduling." Further, the beneficiary has been regulated due to nonpayment of dues and is responsible for power schedule of the unit resulting in degradation of operating parameters.
10. In this regard, it is stated that when Delhi Discom, BYPL was regulated by APCPL for non-payment, BYPL was also made liable to pay Compensation amount to APCL for the Regulation period by NRPC.

It is therefore requested that Compensation Account for degradation of SHR, AEC and SFOC (provisional) for the period 01.08.2017 to 31.03.2018 may please be revised by including share of Meghalaya under regulation while calculating effective capacity (MWH).

Yours faithfully,



(Rakesh Kumar Sood)  
Add. General Manager I/c(Commercial)  
ER-IIHQ, Bhubaneswar



सत्यमेव जयते

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

उत्तर क्षेत्रीय विद्युत समिति

Northern Regional Power Committee

सं. उक्षेविस/वाणिज्यिक/203/वि.नि.ले./2019/ 674-709

दिनांक: 23, जनवरी, 2019

No. NRPC/Comm/203/DSA/ 2019/

Dated: 23, January, 2019

(भुगतान की तिथि :02.02.2019 या उससे पहले)

(Due Date of Payment: On or before 02.02.2019)

सेवामें,

To,

सलग सूची के अनुसार  
As per list enclosed

विषय: दिनांक 31 दिसम्बर 2018 से 06 जनवरी, 2019 के सप्ताह का विचलन निपटान लेखा।

Subject: Deviation Settlement Account for the week 31<sup>st</sup> December 2018 to 06<sup>th</sup> January, 2019.

महोदय/Sir,

Please find enclosed herewith the Statement of Deviation Settlement charges for the week 31<sup>st</sup> December 2018 to 06<sup>th</sup> January, 2019 (copy available on [www.nrpc.gov.in](http://www.nrpc.gov.in)). This Deviation Settlement Account has been issued as per Central Electricity Regulatory Commission (Deviation Settlement Mechanism and related matters) Regulations, 2014 and amendments thereof taking into the account of AGC and FRAS data as per CERC orders in petition no. 79/RC/2017 and 07/SM/2018. Pending clarity on certain issues of DSM 4<sup>th</sup> amendment Regulation, following interpretation/assumption have been taken into consideration :

1. The charges for deviation for regional entities have been calculated according to the bid areas in which they are located. Bid areas of 'Bhakra HEP' and 'Irrigation Wing' have been considered as 'N3'.
2. The charges for the deviation, additional deviation for under-injection above volume limits, under-injection at frequency below 49.85Hz and over-injection at frequency 50.05Hz and above for the generating stations whose tariff is determined by the Commission, have been capped at their variable charge(ECR) submitted in the RRAS AS1 formats. For generators whose tariff is not determined by the commission, cap rate of deviation @ 303.04 paise/kWh has been taken. In the absence of ECR data of Singrauli SHEP, a cap rate of 303.04 paise/kWh has been used.
3. Charges for sustained deviation by any regional entity, have been calculated as per Clause 4.19 and 4.20 of the above-mentioned regulation. RoR plants without pondage i.e. Salal, Tanakpur, Uri-1, Uri-2 and Singrauli SHEP, have been exempted from payment of additional charge as per Clause 4.20.
4. Additional Charges for sustained deviation of 'Irrigation Wing' and Nuclear stations, have also been adjusted against their beneficiaries.
5. In cases, where injection schedule given to the generator is zero and it is drawing power from the grid, the deviation charges have been capped at ECR / 303.04 paise per unit. Also, in the same scenario, no "additional charge" for sustained deviation, has been imposed.

पूर्वोत्तर क्षेत्र के वित्तीय वर्ष 2018-19 के विचलन बकाया की स्थिति (पिछले साल सहित) Deviation Outstanding status of NER for FY-2018-19(Including Last years O/S)							
घटक/Constituents	24-12-18	30-12-18	आज की तारीख में/As on 06-02-19				Figs in Lacs
	दौर /TOTAL (Till WK-38 of FY18-19)		दौर /TOTAL (Till WK-39 Part)		दौर /TOTAL		Q/S PAYABLE > Q/S WEDS
	पूरा के लिए देय / Payable to Pool	पूरा से प्राप्त / Receivable from Pool	भुगतान किया / Paid	प्राप्त / Received	Q/S Payable to Pool	Q/S Receivable from Pool	
उत्तराखण्ड प्रदेश / Ar. Pradesh	12140.76	2430.08	11903.08	2430.08	1036.88	0.00	318.06
असम / Assam	40164.82	367.06	39777.04	390.18	397.38	86.90	0.00
मणिपुर / Manipur	2873.46	2221.41	2250.97	2188.00	262.49	33.40	45.93
मेघालय / Meghalaya	2309.86	8022.46	2309.86	6660.23	0.00	242.22	0.00
मिज़ोरम / Mizoram	4874.61	1676.03	4874.61	1612.17	0.00	62.56	0.00
नागालैंड / Nagaland	6317.32	701.11	6024.00	666.82	292.72	36.29	0.00
त्रिपुरा / Tripura	11776.93	2802.23	11668.36	2309.32	117.87	182.91	90.94
लोकसभा / Lok Sabha	58.74	687.37	88.74	660.83	0.00	27.13	0.00
नैनीताल / NEEPCo	1392.26	12732.70	1392.26	12487.09	0.00	246.61	0.00
ई अर / ER	84306.09	246097.92	47328.96	243396.61	6977.26	2039.31	
उत्तराखण्ड / OUPC	1883.66	6674.72	1883.66	6610.22	0.00	64.80	0.00
उत्तराखण्ड / NTPC	4622.06	2834.41	4622.06	2834.41	0.00	0.00	0.00
उत्तराखण्ड / NR	219996.64	67124.26	219996.64	81798.08	0.00	8338.18	
बि.ल.सि / BNC	62.20	106.96	62.18	177.00	0.02	9.96	0.00
<b>दौर /TOTAL</b>	<b>362377.27</b>	<b>341049.31</b>	<b>363292.46</b>	<b>333020.06</b>	<b>9094.80</b>	<b>8028.58</b>	

Annexure: 2

REACTIVE POOL ACCOUNT DETAILS : 2018-19												Upto Week-39		As on 05.02.2019					
Annexure-2												All figures in							
Sl. No	States	Till Previous FY		CURRENT FY						Reactive Bill settlement status		Interest Bill settlement status		O/S React		Reactive Interest Settlement			
		Outstanding Payable (upto FY 17-18)	Outstanding Receivable (upto FY 17-18)	Payable to pool (2018-19)	Paid to pool (2018-19)	Receivable from pool (2018-19)	Received from pool (2018-19)	Outstanding Payable (upto FY 18-19)	Outstanding Receivable (upto FY 18-19)	O/S Reactable Interest payable (upto WK 51 of FY 2017-18)	O/S Reactable Int. Receivable (Upto WK 51 of FY 2017-18)	Outstanding Payable (upto FY 18-19)	Outstanding Receivable (upto FY 18-19)	Outstanding Payable (upto FY 18-19)	Outstanding Receivable (upto FY 18-19)				
		1	2	3	4	5	6	1	2	7	8								
1	Ar. Pradesh	2535247	0	1578783	1205292	0	0	2908738	0	0	0	2908738	0	2908738	0				
2	Assam	5486190	0	22538	1152631	2939197	0	4356097	2939197	237419	0	1554319	0	1554319	0				
3	Manipur	0	1809592	91488	0	69285	761864	91488	1117013	1449104	0	423579	0	423579	0				
4	Meghalaya	0	4222922	94409	0	2039945	5877399	94409	449569	0	0	0	0	0	355150				
5	Mizoram	576994	0	1834056	1664268	2816	0	746782	2816	0	0	743965	0	743965	0				
6	Nagaland	886617	0	1409441	1553487	67096	0	742571	67096	0	0	675475	0	675475	0				
7	Tripura	0	237759	442006	161555	57621	0	280451	295379	0	0	0	0	0	14528				
8	PSDF		3204775			242760	0		4349466						6035989				
	TOTAL	9485049	9485049	5472720	5737233	5472720	6639163	9220536	9120516	1688523	1688523	6405076	6405076	6405076	6405076				



# Security Constrained Economic Dispatch (SCED) of Inter-State Generating Stations Pan-India

NERLDC, POSOCO

## BACKGROUND

- ▶ Indian Power sector is characterized by multiplicity of players across all segments of the value chain viz., generation, transmission, trading and distribution.
- ▶ The total installed generation capacity is 349 GW (as on December 2018), which includes 64% of Thermal Power Capacity .

## BACKGROUND

- In the current regime, While placing requisition / schedule on a day-ahead horizon, each discom generally follows merit order dispatch of generation from its own portfolio of contracts.
- However, it has been observed that some surpluses still remain unscheduled in cheaper power stations whereas relatively costlier stations are despatched as self scheduling of DISCOM is restricted to their contracts.

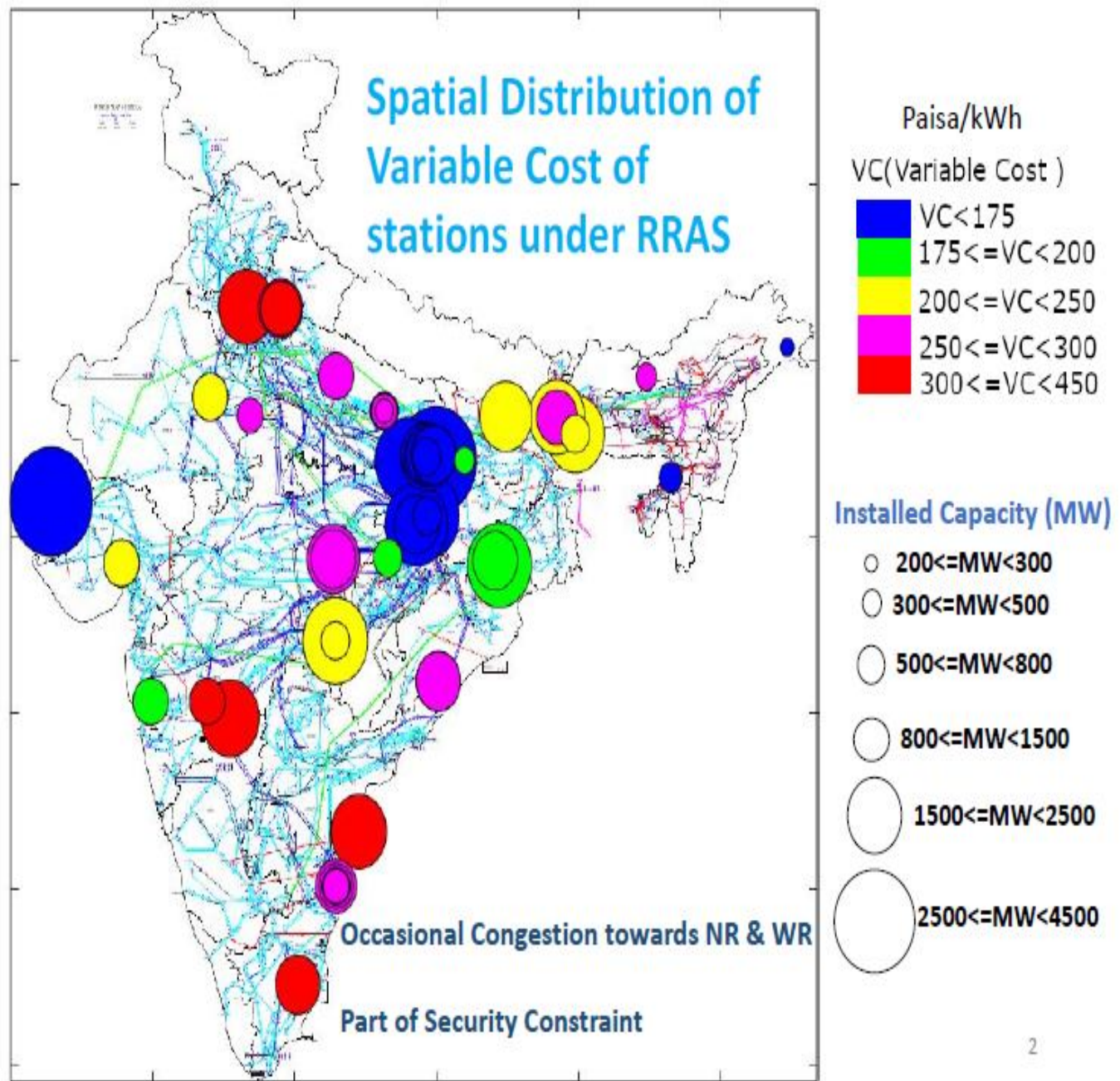
## Proposals before CERC for Resource optimization

- Ministry of Power (MoP), Government of India, notified the scheme on **Flexibility in Generation and scheduling of thermal power stations** to reduce the cost of power to the consumer” on 30th August, 2018 (MoP scheme of Flexibility)
- POSOCO had on 3rd August 2018 submitted a report on **Security Constrained Economic Despatch pan India**” to the Commission.

## Proposals before CERC for Resource optimization

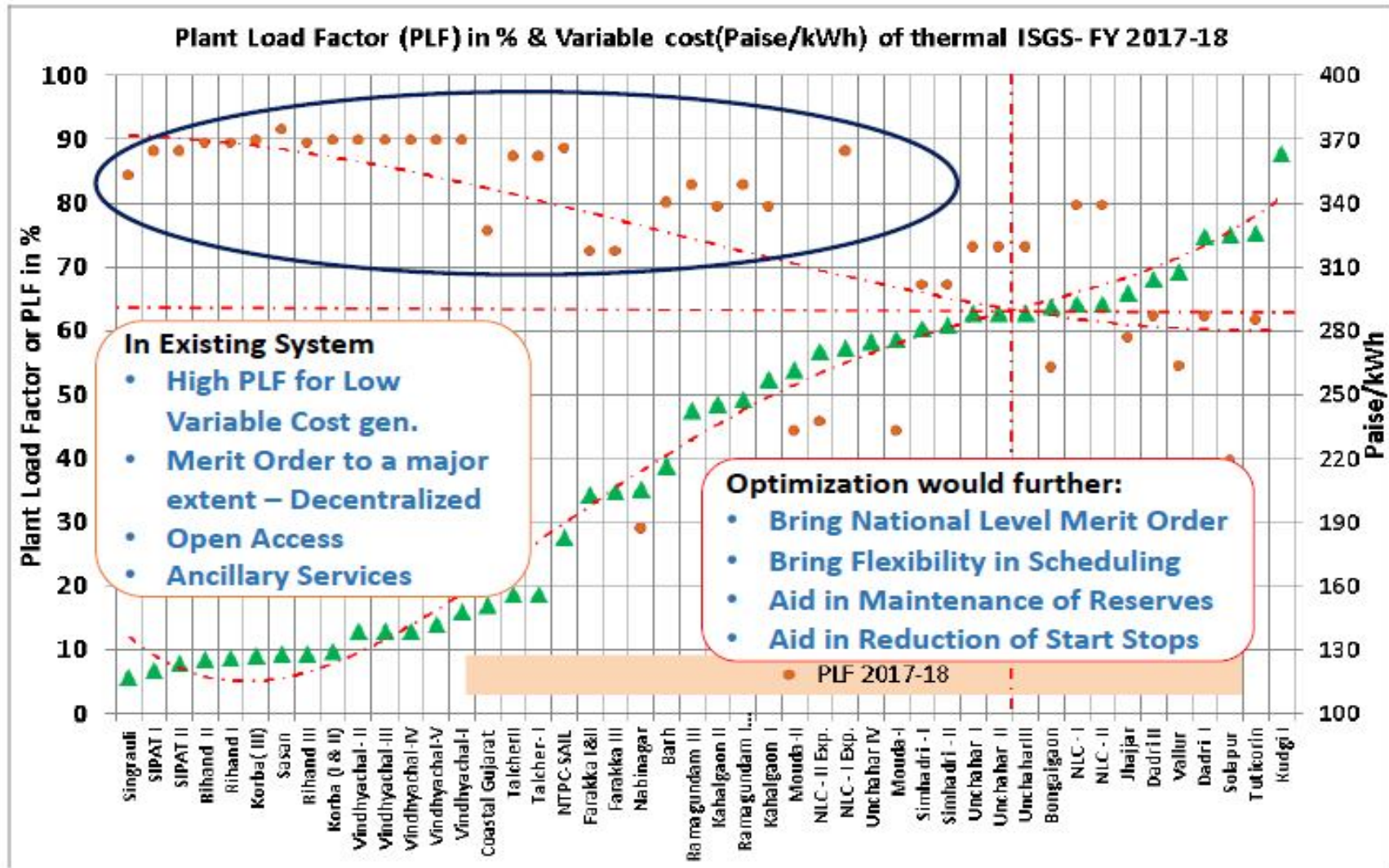
- The Staff of the Commission published discussion paper on **“Market based Economic Dispatch of Electricity: Redesigning the Day-Ahead Market in India”**

## Spatial Distribution of Variable Cost of stations under RRAS

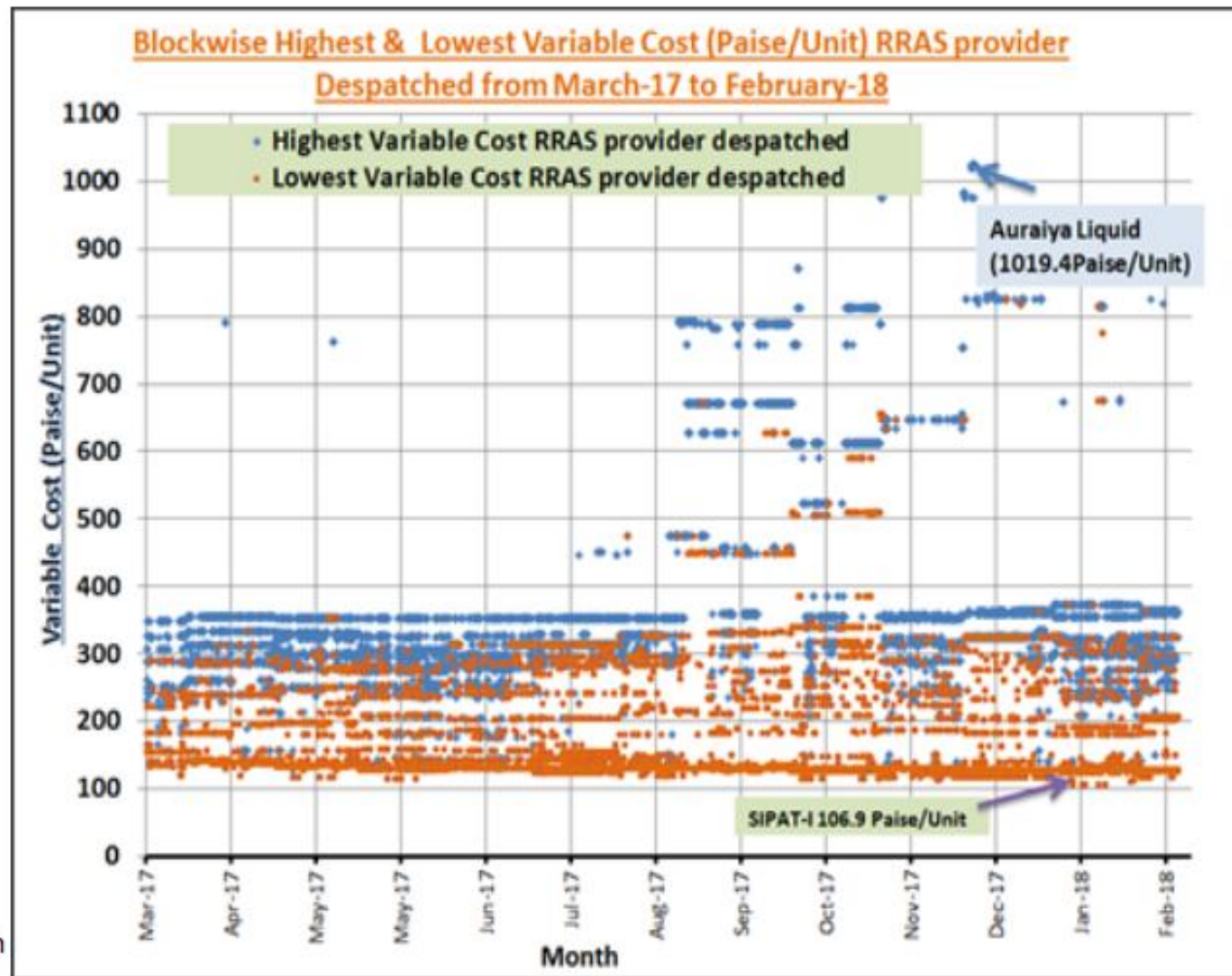


RRAS: Reserves Regulation Ancillary Service

# PLF & Variable Cost



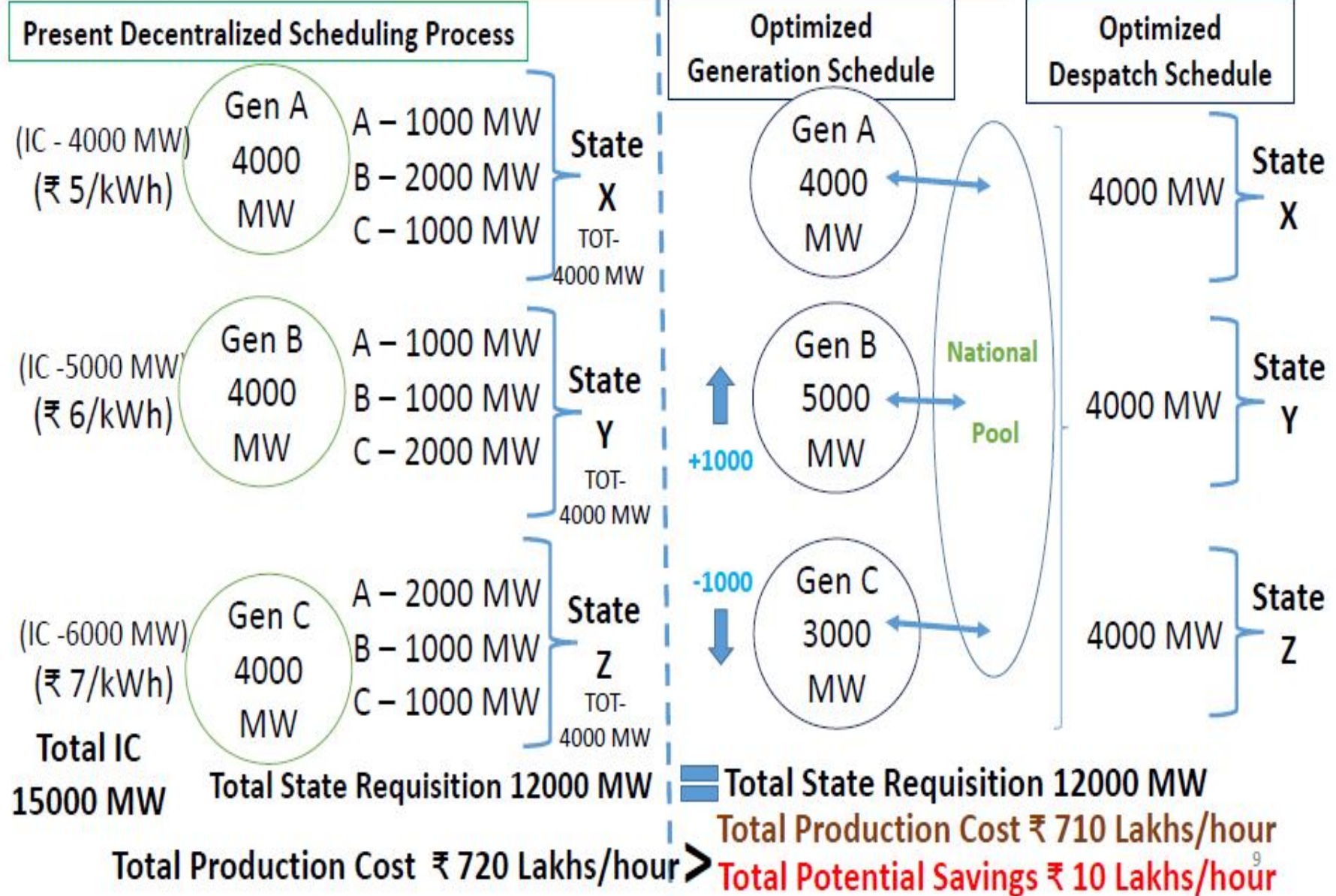
# Variable Cost of RRAS Provider



RRAS: Reserves Regulation  
Ancillary Service

# Example

## Thin Centralized Optimization Layer



## SALIENT FEATURES

- Schedules of the beneficiaries would not be changed and the beneficiaries would continue to pay the charges for the scheduled energy as per the existing practices.
- NLDC would open a separate bank account called “National Pool Account (SCED)”.
- All payments to/from the generators on account of SCED schedules would flow to and from the said National Pool Account.
- For any increment in the injection schedule of a generator due to optimization, the generator would be paid from the Pool for the incremental generation at the rate of its variable charge.

## SALIENT FEATURES

- For any decrement in the schedule of a generator due to optimization, the generator would pay to the National Pool Account for the decremented generation at the rate of its variable charge after discounting compensation due to part load operation as certified by RPC.
- The incremental changes in schedules on account of optimization would not be considered for incentive computation for the generating stations.
- The deviation in respect of such generators would be settled with reference to their revised schedule. The increment or decrement of generation under SCED would not form part of RRAS.

## SALIENT FEATURES

- RPCs would issue weekly SCED accounts along with the DSM, RRAS, FRAS and AGC accounts based on data provided to them by RLDCs.
- RPCs would issue the regional accounts including the SCED schedules .
- NLDC would issue a consolidated "National SCED Settlement Statement" comprising payment and receipts of all generators participating in the SCED.
- CTU is directed to ensure reliable communication between the respective generating stations and Load Despatch Centres.
- As and when the detailed procedure on implementation of SCED pan-India is finalized, the same would also be circulated in the forthcoming OCC meetings in the month of March,2019.

## Implementation Actions

- Detailed Procedures to be issued by NLDC
- Schedules of the States/beneficiaries would not be changed and the beneficiaries would continue to pay the charges for the scheduled energy directly to the generator as per the existing practice
- NLDC to open a separate bank account - “National Pool Account (SCED)”
  - Savings obtained through SCED after settlement of all accounts of SCED would be recorded and maintained in the “National Pool Account (SCED)” by the NLDC.
  - The sharing of benefits/savings has been accepted in principle by the Commission. However, methodology of sharing shall be decided after the results of the pilot and the extent of savings are available.
- **Web Based Energy Scheduling Software**
  - Batch processing of schedules
  - Schedule data interchanges between the RLDCs/NLDC, syncing of data
  - Pre-processing & validation being sent to the SCED engine
  - Core optimization (SCED) engine – development, testing and validation
  - Output of SCED to be incorporated in the schedules
- **Creation of a counterparty to SCED**
- **Augmentation of Communication infrastructure**

THANK YOU



Annex- 9.1

## ASSAM POWER DISTRIBUTION COMPANY LTD.

Regd. Office: Bijulee Bhawan, Paltanbazar, Guwahati, Assam. PIN-781001

Phone: 0361-2547382/2739511; Fax: 0361-2547382

CIN: U40109AS2003SGC007242

No. APDCL/ACE (COM)/PS-8(1)/PT-3/2006/117

Dated 26.09.2018.

To,

The Member Secretary,  
North Eastern Regional Power Committee,  
NERPC Complex. Dong Parmaw, Lapalang,  
Shillong-793006.

Sub: Amendments in minutes of 36<sup>th</sup> CCM.

Ref: - Minutes of 36<sup>th</sup> CCM.

Sir,

Kindly refer to item No. 3.2 of the Minutes under reference and resolution thereon. It is worth mentioning that the supply voltage in the present case is 33kV and 11kV and falls within the operational level of Discom. The proposed adjustment methodology is arrived at to facilitate supply of power to Arunachal Pradesh through the only recourse of APDCL network safeguarding the commercial interest of APDCL on such arrangement. Being the only Discom operating in the state of Assam, APDCL is already paying the admissible AFC to AEGCL in full. As such, any entitlement to AEGCL would be over and above the admissible transmission charges. As the proposed adjustment is an enabling process to safeguard the commercial loss to APDCL in the process of such supply to Arunachal Pradesh; the billing is to be done by APDCL instead of AEGCL. As such, you are requested to amend the minutes with the following:

1. Para 3.2.3 may be amended as:

"The said energy would be used for the purpose of computation/billing of applicable transmission charges to be paid by Arunachal Pradesh to Assam on the basis of bill raised by APDCL."

2. Para 3.2.4 may be amended as:

"NERPC Secretariat would issue a statement mentioning the transmission charges and APDCL would raise invoice accordingly."

3. Para 3.2.6 may be amended as:

"The system will come into force prospectively from 1<sup>st</sup> August, 2018 and transmission charges as determined by AERC from time to time will be applicable."

With regards

Chief General Manager

(Commercial & EE)



## ASSAM POWER DISTRIBUTION COMPANY LIMITED

CIN: U40109AS2003SGC007242

Office of Chief General Manager - Commercial

Phone: 0361-2739515, Fax: 0361-2739543,

E-mail: [acecomt.aseb@gmail.com](mailto:acecomt.aseb@gmail.com)

No. APDCL/ ACE (COM)/ PS-8(1)/ PT-3/ 2006/ 116

Dated 18.09.2018

To,

The Chief Engineer (Power),  
Western Electrical Zone, Department of Power,  
Govt. of Arunachal Pradesh, Itanagar – 791111


**Sub: Settlement of Meter Reading of 11 KV Rowing Feeder as per Minutes of the 36<sup>TH</sup> Commercial Committee Meeting of NERPC.**

Sir,

Kindly refer the Agenda Item 3.1 of the above Minutes circulated by NERPC vide its Letter No. NERPC/ COM/ CC\_Min/ 2018/ 2865-2911 Dated 04.09.2018. As per Minutes the reconciliation of meter reading for the anomalous period is to be carried out by APDCL, Assam and Arunachal Pradesh (AP). It is worth mentioning that the meter of Rowing Feeder started malfunctioning from April' 2009 onwards. Prior to April' 2009 the meter was working correctly. But from April' 2009 onwards the consumption had gone down initially to around one third of average monthly consumption of previous period of FY 2008-09 and ultimately to zero after few months. From January' 2010, APDCL had been submitting a lump sum consumption @ 37.547 MWH to NERLDC on provisional basis, for the purpose of monthly energy accounting of NERPC subject to finalization of the same after replacement of the faulty meter. A new meter was connected in the feeder on 13<sup>TH</sup> July, 2011 and on the basis of that new meter APDCL did send meter readings from August' 2011 onwards. The detailed extract copy of meter readings of the said feeder starting from FY 2008-09 to January' 2012 is furnished herewith for your kind perusal and ready reference.

It may kindly be seen that the monthly average consumption of the feeder before start of malfunction was @ 160.487 MWH which went down to around 37/38 MWH during malfunctioning period whereas after the replacement of the meter the monthly average consumption came up to 211.747 MWH on the basis of joint meter reading sheet signed by both APDCL and AP (copy enclosed). You are therefore requested kindly to take step for regularization of the energy quantum of the meter stop period on the basis of the average consumption of the joint meter reading of the new meter.

Yours Sincerely

  
18/9/18  
Chief General Manager  
(Commercial & EE)

O/c



**ASSAM POWER DISTRIBUTION COMPANY LIMITED**

CIN: U40109AS2003SGC007242

Office of Chief General Manager - Commercial

Phone:0361-2739515,Fax-0361-2739543,

E-mail: [acecomt.aseb@gmail.com](mailto:acecomt.aseb@gmail.com)

Memo No. APDCL/ ACE(COM)/ PS-8(1)/ PT-3/ 2006/ 116 (A)

Dated 18.09.2018.

Copy for information and necessary action to:

1. The PS to the MD, APDCL - For kind information of the MD.
2. The Member Secretary, NERPC , NERPC Complex, Dong Parmaw, Lapalang, Shillong – 6.  
-This has the reference to the Minutes of 36<sup>TH</sup> CC Meeting of NERPC.
3. The Gen. Manager, NERLDC, Dongtiah, Lower Nongrah, Lapalang, Shillong – 6.

  
18/9/18

**Chief General Manager  
(Commercial & EE)**

Monthly Meter Reading of 11 KV Rowing (Santipur) Feeder w.e.f. 2008-09 to January '2012 showing the pattern of consumption prior to Malfunctioning Period and

Period	Initial Meter	Final Meter	M.F.	Consumption	Remark
<b>2008-09</b>					
April	4462.520	4539.550	2	154.060	
May	4539.550	4597.000	2	114.900	
June	4597.000	4667.650	2	141.300	
July	4667.650	4747.660	2	160.020	
August	4747.660	4825.940	2	156.560	
September	4825.940	4909.060	2	166.240	
October	4909.060	5000.530	2	182.940	
November	5000.530	5095.950	2	190.840	
December	5095.950	5181.250	2	170.600	
January	5181.250	5265.750	2	169.000	
February	5265.750	5346.260	2	161.020	
March	5346.260	5425.440	2	158.360	
<b>Monthly Average of meter functioning period</b>				<b>160.487</b>	
<b>2009-10</b>					
April	5425.440	5456.070	2	61.260	Meter malfunctioning started by registering lesser consumptions and ultimately it came to zero.
May	5456.070	5478.900	2	45.660	
June	5478.900	5494.400	2	31.000	
July	5494.400	5513.660	2	38.520	
August	5513.660	5520.780	2	14.240	
September	5520.780	5535.410	2	29.260	
October	5535.410	5557.090	2	43.360	
November	5557.090	5578.600	2	43.020	
December	5578.600	5597.370	2	37.549	
January	5597.370	5597.370	2	37.547	
February	5597.370	5597.370	2	37.547	
March	5597.370	5597.370	2	37.547	
<b>Monthly Average of meter stop period</b>				<b>38.043</b>	
<b>2010-11</b>					
April	5597.370	5597.370	2	37.547	Meter malfunctioning continued.
May	5597.370	5597.370	2	37.547	
June	5597.370	5597.370	2	37.547	
July	5597.370	5597.370	2	37.547	
August	5597.370	5597.370	2	37.547	
September	5597.370	5597.370	2	37.547	
October	5597.370	5597.370	2	37.547	
November	5597.370	5597.370	2	37.547	
December	5597.370	5597.370	2	37.547	
January	5597.370	5597.370	2	37.547	
February	5597.370	5597.370	2	37.547	
March	5597.370	5597.370	2	37.547	
<b>Monthly Average of meter stop period</b>				<b>37.547</b>	
<b>2011-12</b>					
April	5597.370	5597.370	2	37.547	Meter malfunctioning continued.
May	5597.370	5597.370	2	37.547	
June	5597.370	5597.370	2	37.547	
July	5597.370	5597.370	2	37.547	
August	94.650	435.050	1	340.400	Consumption of new meter installed in July, 2011.
September	435.050	613.190	1	178.140	
October	613.190	791.800	1	178.610	
November	791.800	978.160	1	186.360	
December	978.160	1165.930	1	187.770	
January	1165.930	1365.130	1	199.200	
<b>Monthly Average of meter functioning period</b>				<b>211.747</b>	