



भारत सरकार Government of India

विद्युत मंत्रालय Ministry of Power

उत्तर पूर्वी क्षेत्रीय विद्युत समिति

North Eastern Regional Power Committee

एन ई आर पी सी कॉम्प्लेक्स, डोंग पारमाओ, लापालाङ, शिल्लोंग-७९३००६, मेघालय
NERPC Complex, Dong Parmaw, Lapalang, Shillong - 793006, Meghalaya



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No.: NERPC/COM/CC_Min/2016/832-872

Dated: 29th March, 2016

To

1. Director (Distribution), MeECL, Lumjingshai, Short Round Road, Shillong – 793 001
2. Director (Transmission), MeECL, Lumjingshai, Short Round Road, Shillong – 793 001
3. Engineer-in-Chief (P&ED), Govt. of Mizoram, New Secretariat Complex, Khatla, Aizawl – 796 001
4. Chief Engineer (WE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
5. MD, APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
6. MD, AEGCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
7. MD, APGCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
8. Managing Director, MSPDCL, Keishampat, Imphal – 795 001
9. Managing Director, MSPCL, Keishampat, Imphal – 795 001
10. Chief Engineer (P&E), Department of Power, Govt. of Nagaland, Kohima – 797 001
11. General Manager (C&SO), TSECL, Agartala – 799 001
12. ED, NERTS, PGCIL, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
13. GM (LD&C), PGCIL, "Saudamini" Plot No. 2, Sector – 29, Gurgaon, Haryana – 122 001
14. General Manager, NERLDC, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
15. ED (O&M), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
16. ED (Commercial), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
17. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
18. ED (Commercial), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
19. Group GM, NTPC Limited, Bongaigaon Thermal Power project, P.O. salakati, Kokrajhar -783369
20. General Manager, OTPC, Palatana, Kakraban, Gomati District, Tripura - 799116
21. Vice President, PTCIL, 2nd Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi - 110066
22. AGM (BD), NVVN, Core 5, 3rd floor, Scope Complex, 7 Institutional Area, Lodhi Rd., N. Delhi-3
23. Member Secretary, ERPC, 14 Golf Club Road, Tollygunge, Kolkata-700033
24. The Executive Director, Knowledge Infrastructure Systems Pvt. Ltd, G-02, Salcon Aurum Complex, 4, Commercial centre, Jasola, New Delhi-110025.
25. Chief Engineer, GM Division, CEA, Sewa Bhawan, R.K. Puram, New Delhi – 110066

Sub: Minutes of the 28th CC meeting held on 26/02/2016 at "Vedic Village Spa Resort, Kolkata".

Sir,

Please find enclosed herewith the minutes of 28th Commercial Committee Meeting held at "Vedic Village Spa Resort, Kolkata" on 26th February 2016 for your kind information and further necessary action.

Encl.: As above

भवदीय / Yours faithfully,

लिंगखोइ / B. Lyngkhai

निदेशक / Director/S.E (Comm)

Copy To:

1. SA to Member(GO&D), CEA, Sewa Bhawan, R.K. Puram, New Delhi – 110066
2. Head of SLDC, SLDC Complex, AEGCL, Kahilipara, Guwahati - 781019
3. SE (EM), MePDCL, Lumjingshai, Short Round Road, Shillong – 793 001
4. Head of SLDC, MeECL, Lumjingshai, Short Round Road,Shillong – 793 001
5. Head of SLDC, Department of Power, Govt. of Arunachal Pradesh,Itanagar- 791 111
6. ED, MSPDCL, Keishampat, Imphal – 795 001
7. ED, MSPCL, Keishampat, Imphal – 795 001
8. S.E. (Commercial), Department of Power, Govt. of Mizoram, Khatla, Aizawl – 796 001
9. Head of SLDC, Department of Power, Govt. of Mizoram, Aizawl – 796 001
10. A.C.E. (Gen & Trans), Department of Power, Govt. of Nagaland, Kohima – 797 001
11. Head of SLDC, Department of Power, Dimapur, Nagaland
12. DGM (C&SO), TSECL, Agartala – 799 001
13. Head of SLDC, TSECL, Agartala – 799 001
14. Chief Engineer, Loktak HEP, Vidyut Vihar, Komkeirap, P.O. Loktak, Manipur – 795 124
15. DGM (Comm), OTPC, 6th Floor, A Wing, IFCI Tower-61, Nehru Place, New Delhi-110019
16. AGM (Comm), NTPC Limited, ER-II HQ, Plot No. N-17/2, Third Floor, Naya Palli, Bhubaneswar-751012

— वी. लिंगखोडु

निदेशक / Director/S.E (Comm)

North Eastern Regional Power Committee

MINUTES OF THE 28th COMMERCIAL COORDINATION

SUB-COMMITTEE MEETING OF NERPC

Date : 26/02/2016 (Friday)
Time : 10:00 hrs
Venue : "Hotel Vedic Village Spa Resort", Kolkata.

The 28th CC Meeting was hosted by NHPC Ltd. The List of Participants in the 28th CC Meeting is attached at **Annexure - I**

The meeting commenced with presentation of flower bouquets to the dignitaries followed by ceremonial lighting of lamp by Shri P. K. Mishra, Member Secretary, NERPC, Shri T. S. Singh, GM, NERLDC, Shri M. K. Adhikary, GM, APDCL, Shri B. Lyngkhai, Director/SE (C & O), NERPC & Shri Chander Mohan, GM (Comml), NHPC.

Shri Chander Mohan, GM (C), NHPC extended a warm welcome to all the delegates of the 28th CCM and thanked NERPC for giving them the opportunity to host the august gathering in the city of Joy (i.e. Kolkata). In his brief speech, Shri Chander Mohan stated that although there is huge hydro potential to the tune of 1.5 lacs MW in India, only about 45,000 MW has been installed while about 10,000 MW is under construction and huge power of about 95,000 MW is stilled untapped. He mentioned that there is enormous potential of Hydro Power in NER and that NHPC has made a big presence in the region specially with the coming up of Subansari Lower (2000 MW), Dibang (3000MW), Tawang I (600MW) & Tawang II (800 MW). He urged all the constituents of NER for their support and cooperation for their upcoming projects in NER.

On behalf of NERPC, Shri P. K. Mishra, Member Secretary, NERPC welcomed all participants of the 28th CCM. He felicitated NHPC Ltd for hosting the CC meeting in the historic city of Kolkata. He stated that inspite of difficult terrain and poor infrastructure in NER, NHPC has been able to establish well in the region. He urged upon NHPC to take all out efforts to minimize cost over run in the construction of Hydro projects in NER. Shri Mishra also mentioned about the huge outstanding dues against beneficiaries and urged the beneficiaries to clear outstanding dues from time to time.

Shri B. Lyngkhoi, Director/SE (C), NERPC expressed deep gratitude to NHPC for their warm hospitality and for making grandeur arrangement for the meeting. He stated that the CC meeting is now being held regularly and therefore almost all issues have been discussed and solved on time.

There was presentation by NERLDC on commercial issues on 25th February, 2016 (evening). A detail of the presentation is enclosed at **Annexure – II**.

In his vote of thank, Shri Parag Saxena, CE (Comml), NHPC extended gratitude to NERPC and all the delegates of 28th CCM for their active participation and cooperation in the meeting.

On behalf of NERPC, Shri S M Aimol, EE (Comml), NERPC acknowledged and placed on record, heartfelt gratitude to NHPC Ltd for their warm reception, excellent arrangement and kind hospitality accorded to all the delegates of the 28th CCM. He also thanked all the participants without whom the meeting would not have been successful.

Thereafter, Member Secretary requested Shri B. Lyngkhoi, Director/SE (C&O) to take up the agenda items for discussion.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF THE 27TH COMMERCIAL SUB-COMMITTEE MEETING OF NERPC.

SE (C&O) informed that minutes of 27th meeting of Commercial Sub-committee held on 01st December, 2015 at Aizawl was circulated vide letter No. NERPC/COM/CC_Min/2015/8752-8792 dated 23rd December, 2015.

Since no comments/observations were received from the constituents, the sub-committee confirmed the minutes of 27th CCM of NERPC.

The Sub-committee noted as above.

2. AGENDA ITEMS FROM NERPC:

2.1 Colony Consumption by CSGS and Provision of CERC Regulations, 2014 thereof:

The issue was deliberated in the 24th CCM, where it was agreed that all the concerned constituents (NEEPCO, NHPC, OTPC, NTPC) will submit the schematic diagram for

drawing auxiliary and colony consumption separately for each generating station which would then be studied by NERLDC and NERPC to initiate further action accordingly which may be reviewed in the next CCM.

Some of the generating stations have submitted the stated diagram including Loktak, Bongaigaon, Palatana, Kopili etc. However on study, it was found that required details are not clearly indicated. Only the schematic diagram submitted by NHPC (Loktak HEP) is in the desired format.

As per the diagram submitted by NHPC (Annexure-2.1), 5MVA 132/11 kV Station transformer is catering to both power house station supply and colony of Loktak HEP. Auxiliary meter is connected to 132 kV side of above mentioned transformer recording combined consumption of station auxiliary and colony. A separate meter may be installed (with associated CTs for 2 nos 11kV feeders) to record auxiliary consumption.

Deliberation of the Sub-Committee

DGM (MO), NERLDC clarified regarding the need to separate the colony consumption from auxiliary consumption by quoting the Para 5.2.5 of Statement of Reasons CERC (Terms and Conditions of Tariff) Regulations, 2014 which is reproduced below:

QUOTE

5.2.5 Some of the generating companies have argued that as per the Electricity (Removal of Difficulty) (fourth) order, 2005, the supply of electricity by a generating company to its housing colonies or township housing of the operating staff of the generating stations is deemed to be an integral part of the activity of generating electricity and therefore, consumption by the housing colony also form part of the auxiliary consumption of the generating station. In this connection, the Commission would like to clarify that under the Act, license is required to supply power to the consumers. In this context, generating stations faced difficulty due to uncertainty over the requirement of license for supplying power to their colonies. **In that context, the Removal of Difficulty order was issued which provided that the generating companies shall not be required to obtain license under the Act for supply of electricity. Thus, the housing colony is treated as integral part of generating station for all practical purpose.** The said order does not provide that the electricity supplied to the housing colonies and township shall be accounted for as part of the auxiliary consumption of the generating station. , However the fuel expenses corresponding to electricity supply to the colony from the station net of revenues from

employees for the consumption of power are accounted for in the operation and maintenance expenses of the generating station while framing norms for the operation and maintenance expenses. Therefore, if the housing colony consumption is included in the auxiliary energy consumption norm of the generating stations then it would tantamount to double charging of the same from the beneficiaries. Therefore, consumption of electricity in housing colony, though integral part of the generating station, cannot be included in the auxiliary energy consumption norm. In the light of the above, the Commission is of the view that **the electricity consumption of housing colony shall not form a part of Auxiliary Energy Consumption.**

UNQUOTE

In line with above, all ISGS were requested to make separate arrangement for metering of colony consumption by separating it from auxiliary and intimate the same to NERPC Secretariat.

OTPC intimated that there is no colony for Palatana at present. It was clarified that as per CERC para quoted above, OTPC would not require license to supply to their colony which is adjacent from Power station complex.

NHPC, NTPC & NEEPCO agreed to intimate the status of their arrangement for metering colony consumption for each station by 31/3/2016.

The Sub-committee noted as above.

Action: NHPC, NTPC & NEEPCO.

2.1 Harmonization of different Accounts issued by RPCs:

National Power Committee circulated the minutes of the 4th NPC meeting vide. 4/MTGS/NPC/CEA/2015/132-151 dtd. 01.01.2016. In item No. C.8. titled "Common Commercial Input data formats for all RPCs: it was recorded that "After deliberations, it was decided that the committee formed for finalisation of methodology for treatment of collective transactions may also look into this issue and formulate a uniform accounting philosophy in Regional Energy Accounts being prepared by the RPCs." NPC has circulated the "Inputs on Harmonization for NPC Working Group" prepared by NLDC. The report is attached at Annexure 2.2.

Deliberation of the Sub-Committee

SE (C&O), NERPC informed that the matter regarding formulation of a uniform accounting philosophy in REAs issued by RPCs was discussed in NPC meeting but there was no consensus on the issue. Each RPC was required to give feedback on the

features included in the "Inputs on Harmonization for NPC Working Group" prepared by NPC.

After detail discussion, the CC forum suggested that as far as NERPC is concerned, the contents of REA presently issued by NERPC need not be changed unless necessitated by regulation in force.

The Sub-committee noted as above.

2.3 Official mail ID of constituents for communication:

Official Mail IDs of members of Commercial committee/Concerned officials need to be updated for prompt communication of commercial matters by NERPC to the constituents. At least two official mail IDs may be submitted by each entities so that commercial accountings viz., REA, Reactive Energy, RTA etc could be sent even if above accounts could not be uploaded /downloaded from website due to technical problem.

All entities are requested to furnish in a separate sheet circulated for the same.

Deliberation of the Sub-Committee

EE (Comml), NERPC stated that requests have been received from officials of constituents for forwarding the various accounts issued by NERPC even after the accounts have been mailed to all IDs in the mailing list of Commercial committee group. Normally, the accounts are uploaded on NERPC website invariably but due to technical problem, sometimes accounts may not be accessible from the website.

Presently, the NERPC website is not functioning due to technical link with NIC, Delhi. Therefore, each entity is required to update their official mail IDs (at least two) so that all accounts as soon as issued by NERPC could be e mailed immediately.

The constituents agreed to intimate at least two official mail IDs to NERPC as soon as possible.

The Sub-committee noted as above.

Action: All Utilities.

3. AGENDA ITEMS FROM NERLDC:

3.1 Deviation Charges Outstanding:

Status of Deviation charges outstanding as on 18.02.2016 is attached (**Annexure-3.1**). From the same it can be seen that Assam (Rs. 31 Crores; greater than 13 weeks

Rs. 13.8 Crores) and Manipur (Rs. 6 Crores; greater than 13 weeks Rs. 3.7 Crores) are major defaulters.

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

Assam and Manipur are required to take immediate necessary action.

Deliberation of the Sub-Committee

All the Constituents were requested to clear the deviation charges outstanding. Representatives of Assam and Manipur agreed to take urgent necessary action to clear the dues beyond 13 weeks.

The Sub-committee noted as above.

Action: Assam & Manipur.

3.2 Non-payment of NERLDC fees and charges bills:

NERLDC is raising the bills on monthly basis on the 1st working day of every month in Terms of the CERC (fees and charges of RLDC and other related matters) Regulation, 2015.

The status of latest outstanding is as below:

Mizoram : Rs. 19, 07,825/- (3 months charges due)

Mizoram may liquidate outstanding dues at the earliest.

Deliberation of the Sub-Committee

Mizoram representative agreed to take necessary action soon.

The Sub-committee noted as above.

Action: P&E Dept. Mizoram.

3.3 Meter Time Drift:

In view of large time drift in SEMs of many locations in NER (including POWERGRID substations) as observed by spikes in loss, it was felt that a record of time drift in all SEMs of the Region is required. NERTS has furnished status in their locations and are also making effort to furnish status of State locations. To supplement their efforts, it is requested that respective utilities should furnish time drift status of SEMs in their premises in the format as below:

Meter No.	Location	Meter Time	Standard Time	Drift in minutes
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The time can be recorded while collecting weekly SEM data and it can be a handwritten report also.

Deliberation of the Sub-Committee

SE(C) informed that the names of Nodal Officers have been identified by all the constituents in the Metering Sub-committee and it was decided that these nodal officers should furnish the status of time drift of meters located in their premises to NERPC/NERLDC on monthly basis for proper monitoring of the meters. He also informed that it was agreed during the 14th MM that NERTS would help the constituents in identifying the time drifted meters. In parallel, Metering coordinators would also try to do the job pertaining to their respective locations to supplement the efforts of NERTS. All the Constituents appreciated that it would be in their own interest to do so to enable correct recording of energy.

It was agreed to complete the activity at the earliest by sending the report to NERLDC/NERPC.

The Sub-committee noted as above.

Action: All Utilities.

3.4 Tabling quarterly figures of Deviation and Reactive Pool Account in Commercial Committee:

The quarterly figures were circulated to the constituents in the meeting. Observations, if any may be sent within 15 days to NERLDC. If no observation is received the accounts as circulated will be taken as final.

For kind information only.

The Sub-committee noted as above.

4. AGENDA ITEMS FROM PGCIL:

4.1 Outstanding Dues:

The total outstanding of POWERGID's NER beneficiaries as on 16.02.16 is as under-

All Figures in INR Crores

DIC	Total Outstanding	Outstanding more than 60 days	Average billing	Remarks
Ar. Pradesh	3.40	0.00	1.80	02 months receivables
AEGCL (Assam)	113.68	46.10	29.00	04 months receivables

Manipur	7.53	2.84	2.10	03 months receivables
MeECL (Meghalaya)	39.12	25.52	6.50	06 months receivables
Mizoram	12.06	6.42	2.60	05 months receivables
Nagaland	-0.02	0.00	2.70	
TSECL (Tripura)	-0.83	0.00	1.80	
Total	174.94	89.39	46.50	04 months receivables

It is evident that the Total outstanding of NER DICs is of more than **04 months**.

AEGCL (Assam), MeECL (Meghalaya), Mizoram may be impressed upon to liquidate their respective outstanding dues immediately.

Deliberation of the Sub-Committee

MeECL representative informed that they will try to clear outstanding dues at least beyond 60 days by March 2016.

Mizoram representative also agreed to clear their outstanding dues by March 2016.

Assam representative informed that they will give their best effort to clear their outstanding dues at the earliest.

The Sub-committee noted as above.

Action: All concerned Utilities above.

4.2 LC requirement against PoC billing as per Cl. No. 3.6 of BCD (Billing Collection & Disbursement) Procedures of VERC Order No. L-1/44/2010-CERC dated 29.04.2011:

REQUIREMENT AND STATUS OF LC AS ON DATE (15.02.16) OF NER BNEFICIARIES

(All Figures in ` Lakh)

Sl	Beneficiary	Required LC Amount	Due date of enhancement and renewal (for one year)	Total LC Amount to be renewed including enhanced value		
				Existing	Enhancement	Total
1	Ar. Pradesh	244.96	31.03.16	252.00	0.00	244.96
2	AEGCL (Assam)	2911.41	26.03.16	1774.58	1136.83	2911.41
3	Manipur	236.79	15.09.16	213.13	23.66	236.79
4	MeECL	604.81	10.12.13	344.00	604.81	604.81
5	Mizoram	269.59	04.05.16	169.28	100.31	269.59
6	Nagaland	284.04	21.03.16	201.57	82.47	284.04
7	Tripura	271.56	14.02.16	183.00	88.56	271.56

- DICs are requested upon to renew & enhanced the LC as per requirement.
- MeECL may be impressed upon to open LC of requisite amount immediately.

Deliberation of the Sub-Committee

MeECL representative assured that LC of requisite amount will be opened by 15th March 2016.

AM (F&A), AEGCL informed that renewal and enhancement of LC is under process and it will be done soon.

All concerned constituents agreed to renew/enhance LC soon.

The Sub-committee noted as above.

Action: All concerned Utilities above.

4.3 Renewal of TPA (Tripartite Agreement):

All DICs are requested to extend the validity existing TPA by another 15 years. The validity of existing TPA is up to 31.10.2016.

Mop, GOI has already issued letter to Chief Secretaries of all States & UTs vide D.O. No. 1/2/2015-Th.II dated 23rd November 2015

Deliberation of the Sub-Committee

It was reported that NTPC Ltd has signed TPA with five beneficiary states of Ar. Pradesh, Assam, Manipur, Mizoram & Nagaland. POWERGRID was advised to follow up with the beneficiary states for signing/extension of validity of existing TPA in the same manner as is done by NTPC. The CC Sub-committee requested all concerned constituents to expedite for signing/extension of TPA at the earliest.

The Sub-committee noted as above.

Action: NTPC & POWERGRID.

5. AGENDA ITEMS FROM NEEPCO:

5.1 Submission of payment release intimation by the beneficiaries:

The matter was discussed in detail in earlier 2/3 CC 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.

If the beneficiary cannot provide the information of bill reference for the payment, NEEPCO may be requested for the needful.

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

SE (C&O), NERPC urged the beneficiaries to take the matter with sincerity and requested to intimate their payment details to NEEPCO immediately as and when payment is released.

All the beneficiaries agreed to take necessary action on the matter.

The Sub-committee noted as above.

5.2 Outstanding dues of beneficiaries payable to NEEPCO as on 31.01.2016 are as follows:

Beneficiary	Principal (₹ in crore)	Surcharge accumulated till 31.12.2015 (₹ in crore)	Total (₹ in crore)
APDCL, Assam	260.63	0.00	260.63
DoP, Ar. Pradesh	21.84	1.87	23.71
P&E Deptt., Mizoram	8.89	22.19	31.08
DoP, Nagaland	0.06	0.00	0.06
MSPDCL, Manipur	37.70	40.53	78.23
TSECL, Tripura	102.14	31.07	133.21
MePDCL, Meghalaya	316.36	197.55	513.91
	747.62	293.21	1040.83

In spite of regular persuasion with the beneficiaries, no positive response/action plan from TSECL and MePDCL has been received by NEEPCO till date on liquidation of the said old claims even after communicating them NEEPCO's decision to impose regulation of power supply.

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 and TSECL in particular, to appraise the house on their action plan for early settlement of the said dues.

Deliberation of the Sub-Committee

All the beneficiaries were requested to clear their outstanding dues of NEEPCO at the earliest. Tripura & MeECL were particularly requested to intimate their action plan to NEEPCO for payment of their outstanding dues.

Tripura & MeECL agreed to take up the matter with their managements for clearing the outstanding dues.

The Sub-committee noted as above.

Action: All concerned utilities above.

6. AGENDA ITEMS FROM NHPC:

6.1 Outstanding dues of NHPC for more than 60 days:

MeECL, Meghalaya: - As on date, total amount of Rs. **27.91 Crs** (Including surcharge of Rs. **6.73 Crs up to 31.01.2016**) is due against MeECL, Meghalaya. Meghalaya is not liquidating the total dues inspite of our regular follow-up. During 27th CCM held on 1st Dec' 2015, MeECL had assured that they will liquidate some of their outstanding dues of NHPC at the earliest. But no payment has been released by Meghalaya till date.

As such, amount outstanding beyond a period of 60 days shall continue to attract late payment surcharge at the rate of 1.50% per month as per CERC (Terms & Conditions of Tariff) Regulations, 2014.

MeECL, Meghalaya may be impressed upon to liquidate their total dues.

Deliberation of the Sub-Committee

SE (C&O), NERPC informed the house that NERPC Secretariat will also take up the issues of all outstanding dues with Meghalaya Government.

The forum requested MeECL to pursue with government for settlement of their outstanding dues at the earliest.

The Sub-committee noted as above.

Action: MeECL.

6.2 Signing of PPA:

(i) Signing of Power Purchase Agreement (PPA) in respect of Tawang-I & II H.E. Projects in Arunachal Pradesh:-

Drafts PPA have been sent to Manipur, Tripura, & Mizoram on 24.09.2014 for early signing of PPA in respect of Tawang-I & II H.E. Projects, in Arunachal Pradesh.

All concerned beneficiaries are requested to give consent for signing of PPA at the earliest.

Deliberation of the Sub-Committee

DGM, TSECL informed that they have agreed for signing of PPA and the proposal has been sent to the government of Tripura for final approval.

Manager (Comml), MSPDCL stated that proposal has been sent to the government of Manipur for approval and signing of PPA.

SE (Comml), Mizoram also informed that the proposal is under examination of the government and the PPA will be signed soon.

All concerned beneficiaries were requested to sign PPA of the Tawang I & II HEP at the earliest.

The Sub-committee noted as above.

Action: All concerned Utilities above.

(ii) Signing of Power Purchase Agreement (PPA) in respect of Subansiri Lower H.E. Projects in Arunachal Pradesh.

Arunachal has concerns regarding accounting of 50 % free power and fixed asset cost not covered in the draft modalities for recovery of advance. Concerned officials of Arunachal discussed the above matter by NHPC officials. It was also requested by NHPC to Arunachal to sign the PPA first and the agreement for adjustment of advance loan of Rs. 225 Crs with interest will be discussed bilaterally and will be signed accordingly lateron. But we have not received any communication for signing of PPA from Arunachal Pradesh till date.

Arunachal Pradesh is requested to give consent for signing of PPA at the earliest.

Deliberation of the Sub-Committee

Since Ar. Pradesh representative was not present, the matter could not be discussed. However, the concerned of NHPC was noted and Ar. Pradesh was requested to expedite for signing of PPA in respect of Subansiri Lower HEP.

The Sub-committee noted as above.

6.3 Opening/maintaining of Letter of Credit (LC):

Manipur: - In view of enhancement of share allocation including the unallocated quota of power from Loktak Power Station Manipur has to provide 'Letter of Credit' amounting to **Rs. 4.87 Crs** in place of existing L.C. of **Rs. 3.05 Crs**. Last reminder sent to MSPDCL on 15.02.2016 for the same.

Manipur may be requested to furnish the 'Letter of Credit (LC)' of requisite amount on top priority.

Deliberation of the Sub-Committee

Manipur representative stated that the requisite amount of LC will be opened at the earliest.

The Sub-committee noted as above.

Action: Manipur.

7. AGENDA ITEMS FROM OTPC:

7.1 Outstanding dues of OTPC against NER beneficiaries:

The current total outstanding dues of OTPC against the NER beneficiary states (as on 17-02-2016) are as under:

Amount in Rs Crores			
Sl.No.	Beneficiary	Outstanding Dues (>60 Days)	Total Outstanding
1	Arunachal Pradesh	-	3.984
2	Assam	-	23.199
3	Manipur	-	7.445
4	Meghalaya	13.561	29.040
5	Mizoram	0.637	4.819
6	Nagaland	-	0
7	Tripura	52.906	92.542
Total		67.104	161.030

The total outstanding dues as on 17-02-2016 are Rs 165.030 Crores out of which outstanding beyond 60 days is Rs 71.104 Crores. Constituents are requested to clear at least the outstanding dues over 60 days, at the earliest.

Deliberation of the Sub-Committee

All constituents agreed to clear their outstanding dues at the earliest.

The Sub-committee noted as above.

Action: All concerned Utilities above.

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

S I. N o.	Beneficiary	Letter of Credit (LC) required as per PPA (Rs Crore)	LC amount status (Rs Crore)	Valid Upto	Remarks
1	Arunachal Pradesh	11.62	11.62	31-Mar-2016	Kindly renew in time
2	Assam	40	40	31-Dec-2015	Yet to be renewed

3	Manipur	16.519	3.7	11-June-2015	Yet to be renewed even after constant persuasion
4	Meghalaya	29.78	-	-	Meghalaya has never provided the LC even after continuous persuasion
5	Mizoram	7.5	5.81	7-May-2015	Yet to be renewed
6	Nagaland	14.26	14.26	20-Mar-2016	Under Process of renewal
7	Tripura	46.53	18	19-Mar-2016	Kindly enhance the LC and renew in time

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

Deliberation of the Sub-Committee

All beneficiaries agreed to take necessary action for opening/renewal/enhancement of the requisite amount of LC as mention above at the earliest.

The Sub-committee noted as above.

Action: All concerned Utilities above.

8. AGENDA ITEMS FROM TSECL:

8.1 Surrendering of 100% Power from NTPC, Bongaigoan:

TSECL stated that they already informed Ministry of Power as well as NTPC & Member Secretary, NERPC for surrendering of 100% from all three units of Bongaigaon NTPC power. Manipur also informed that 100% surrender from Unit # II & III of above plant.

This is for information to all members of Commercial Committee of NERPC

The Sub-committee noted as above.

8.2 TSECL has been regularly paying DSM charges to NERLDC. It is seen that sometimes TSECL is also receiving very small amount from DSM though TSECL is not shown in the DSM account as a receiver.

Deliberation of the Sub-Committee

It was agreed that the matter would be resolved by TSECL bilaterally with NERLDC.

The Sub-committee noted as above.

9. AGENDA ITEMS FROM APDCL:

9.1 Reduction of gas supply by ONGC to OTPC:

It is observed that as per deliberation of 27th CCM followed by letter to NERPC by APDCL, OTPC has moved CEA vindicating the concern of diversion of fuel from commercially beneficial ISGS to a state project. However, after going through the audited statement of accounts for past years, it is observed that contrary to the status intimated to CEA, OTPC has not raised any bill invoice to seller (ONGC) for any Supply Deficiency Quantity below 80% of aggregated nominated quantity as per Clause 15.1 (C) of the Gas Sale and Purchase agreement between ONGC and OTPC. The matter is intimated to OTPC as well as NERPC vide letter No. APDCL/CGM(COM)/OTPC-CERC/14-19/2016/10 dated 20th February, 2016.

Considering the techno-commercial implication of the matter, the forum may kindly deliberate.

Deliberation of the Sub-Committee

Member Secretary, NERPC apprised the forum that he, along with MD, OTPC, had met & discussed in detail with the Director (Onshore), ONGC and he had assured that all out efforts are being made to make sufficient gas available and hopefully by November, 2016 full gas supply will be made available to the plant.

The Sub-committee noted as above.

9.2 Signing of PPA for upcoming projects outside the state of Assam:

It may be noted that with application of CERC (Sharing of Inter State Transmission Charges and Losses) (Third Amendment) Regulation, 2015, the POC charge liability of Assam has experienced manifold increase due to change in methodology for determination of charges. As the revised methodology is based on load flow rather than allocation, endeavor will be on setting up plant than drawal of power from generating station located in other zones with additional POC charge.

Considering the significant financial implication, the forum is requested to keep in abeyance all such agenda till final order by CERC on the petition on POC by Assam.

Deliberation of the Sub-Committee

GM (Comml), APDCL stated that due to revised PoC rate calculation methodology which is now based on load flow, PoC charges for Assam has increased manifold and therefore, purchase of power from generating station in other zones is likely to bring more financial burden on states like Assam since YTC of new lines will also be high.

The CC forum noted the concern of APDCL regarding financial implication of PoC rate, however, since the PoC methodology is under the purview of Hon'ble CERC, the matter cannot be discussed further. The forum suggested Assam to take up the matter with CERC.

ANY OTHER ITEMS:

10.1 Inclusion of OTPC in TPA:

DGM (Comm), OTPC stated that they would also want to have a TPA signed with beneficiaries as in the case of POWERGRID, NTPC & NHPC etc.

Deliberation of the Sub-Committee

The forum suggested OTPC to approach the Ministry of Power for the same.

The Sub-committee noted as above.

Action: OTPC.

DATE AND VENUE OF NEXT CC MEETING:

The next Commercial Coordination Sub-Committee meeting will be held in the month of May, 2016. The exact date and venue will be intimated in due course.

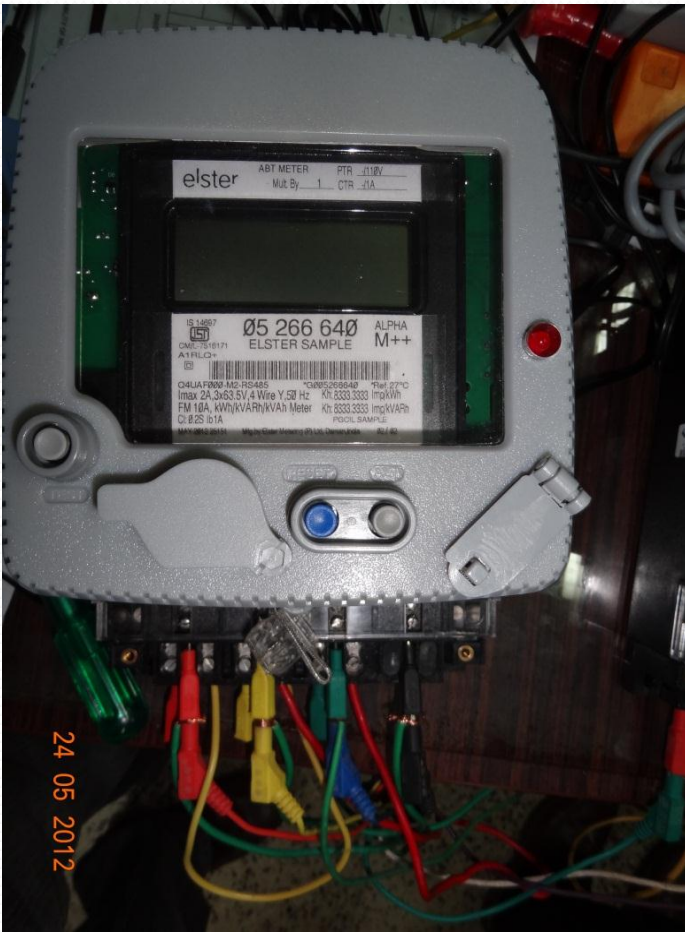
Annexure-I**List of Participants in the 28th CC Meetings held on 26.02.2016**

SN.	Name & Designation	Organization	Contact No.	Email Address
	No Representative	Ar. Pradesh	-	-
1.	Sh. M. K. Adhikary, GM, APDCL	Assam	09864049287	m.adhikary@msn.com
2.	Sh. K. Goswami, DGM, APDCL	Assam	09864020019	-
3.	Sh. S. Kaimal, A. M (F&A), AEGCL	Assam	09435114641	-
4.	Sh. S. Chandradhaja, DGM, MSPCL	Manipur	09862296029	-
5.	T. J. Khongthang, Manager, MSPDCL	Manipur	09856705282	tj.khongthang@mspdcl.com
6.	Sh. Th. Sushanta, DM (SLDC), MSPCL	Manipur	09862448363	-
7.	Sh. Th. Satyajeet, AM, MSPDCL	Manipur	08415945818	thokcham.satyajeet@mspdcl.com
8.	Sh. A. Kharpan, ACE (Com), MeECL	Meghalaya	09436117802	-
9.	Sh. R. Majaw, SE (Com), MePDCL	Meghalaya	09436110871	-
10.	Sh. David Ramnunsanga, SE (Coml)	Mizoram	09436155836	davidrama63@gmail.com
11.	Sh. Lalduhawma, Executive Engineer	Mizoram	09436144113	l.duhawma@gmail.com
	No Representative	Nagaland		
12.	Sh. Arup Gan Chaudhuri, DGM (C&T), TSECL	Tripura	09436139311	ad_comm@rediffmail.com
13.	Sh. D. Pal, Sr. Manager, TSECL	Tripura	09436500244	d_pal1966@rediffmail.com
14.	Sh. T. S. Singh, GM	NERLDC	09436302717	-
15.	Sh. R. Sutradhar, DGM (MO)	NERLDC	09436302714	-
16.	Sh. P. C. Barman, GM	NEEPCO	09435144141	barmanpcb@gmail.com
17.	Sh. D. Choudhury, DGM (Comml.)	NEEPCO	09435339747	neepcocommercial@gmail.com
18.	Sh. P. J. Sarmah, DGM (Comml)	PGCIL	09435734294	nerts.comml@gmail.com
19.	Sh. Kaustav Jyoti Kalita, Engineer	PGCIL	09985131393	nerts.comml@gmail.com
20.	Sh. A. N. Mishra, GM (Coml)	NTPC	09811430526	anmishra1959@gmail.com

21.	Sh. R. Borgohain, AGM (Comml)	NTPC	09435720128	raktimborg@gmail.com
22.	Sh. Chander Mohan, GM (Comml)	NHPC	09818039339	cmadanslc@gmail.com
23.	Sh. Parag Saxena, CE (Comml.)	NHPC	08527563777	parags@nhpc.nic.in
24.	Sh. Prashant Bishwas, Chief (IT)	NHPC	09748306080	biswas@nhpc.nic.in
25.	Sh. A. K. Yadav, Sr. Mgr. (Comml)	NHPC	08527241842	akyadav_2004@yahoo.co.in
26.	Sh. Piyush Kumar, DM (Comml)	NHPC	09911961514	piyushnhpc2004@gmail.com
27.	Sh. Arup Ch. Sarmah, DGM (Comml)	OTPC	09871839502	arupc.sarmah@otpcindia.in
28.	Sh. P. K. Mishra, MS	NERPC		ms-nerpc@gov.in
29.	Sh. B. Lyngkhai, Director/S.E (C&O)	NERPC	09436163419	brieflee.lyngkhai@gov.in
30.	Sh. S. M. Aimol, Asst. Secy./EE (Comml)	NERPC	08794002106	shialloa@yahoo.com
31.	Sh. S. Mukherjee, AD-I/AEE	NERPC	08794277306	mukherjeesrijit2010@gmail.com

Roadmap of Renewable integration; Metering and Accounting At intra-State level

NERLDC ; 28th CCM of NERPC ; 25-2-2016



51ST MEETING OF FORUM OF REGULATORS (FOR)
HELD AT NEW DELHI on 30TH NOVEMBER, 2015

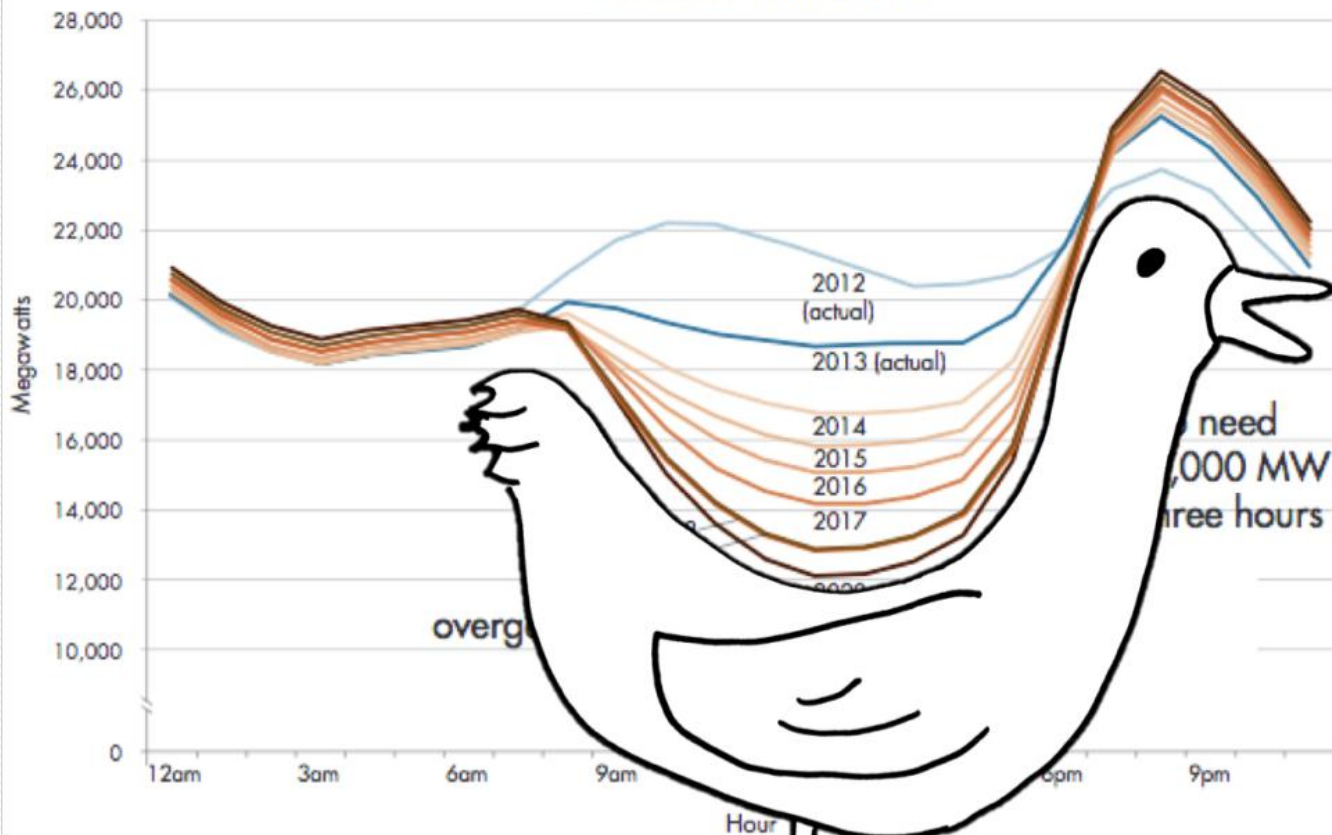
AGENDA ITEM NO. 5 : DISCUSSION ON “STATUTORY ADVICE GIVEN BY CERC– ROAD MAP FOR STATES TO ACHIEVE RELIABLE GRID MANAGEMENT AND LARGE SCALE INTEGRATION OF VARIABLE RENEWABLE ENERGY SOURCES”.

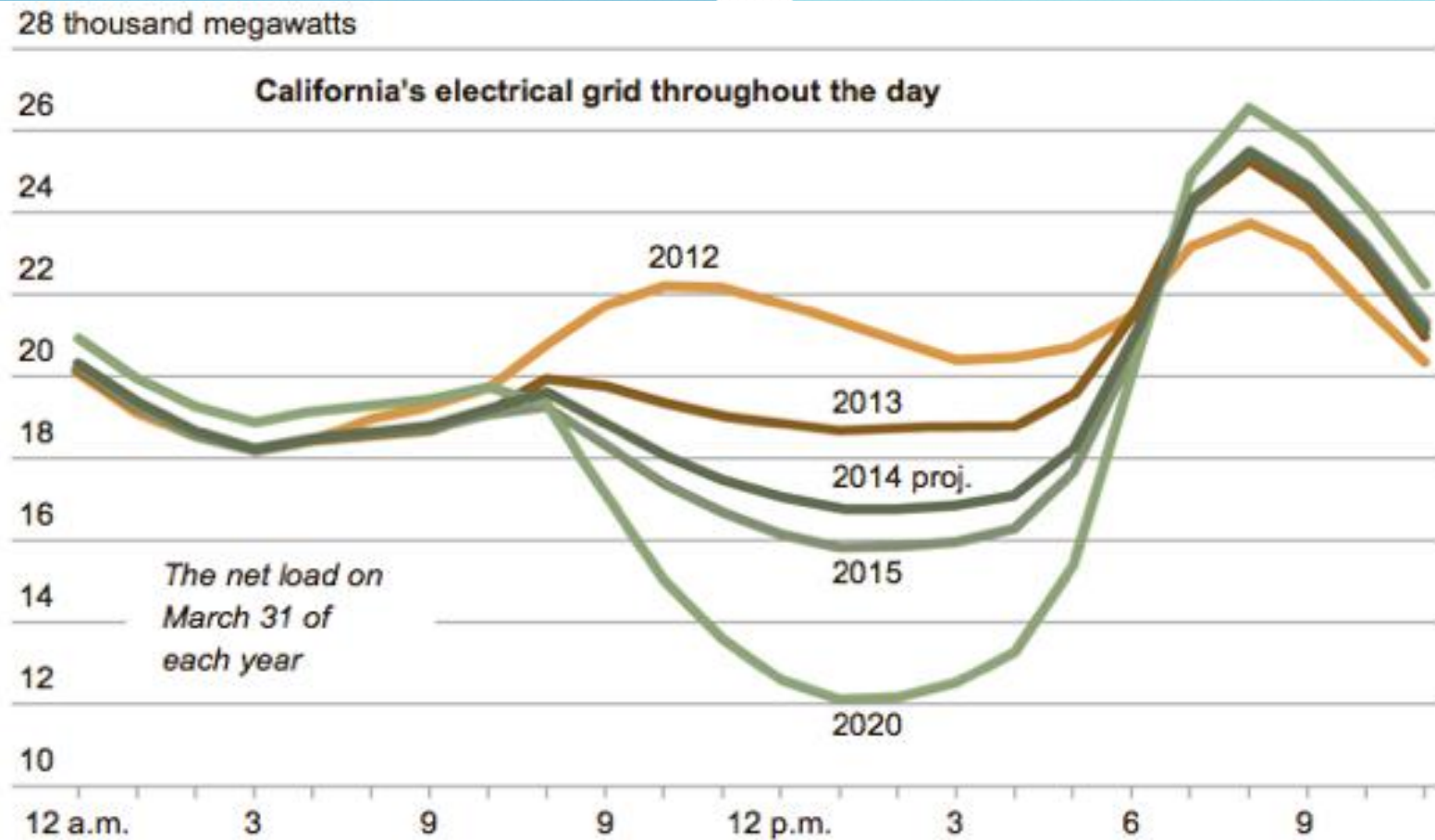
Issues arising out of **ambitious renewable energy target of 175 GW** set by the Government of India and to enable reliable and secure operation of large interconnected grid operation while meeting the targets of RE generation

Duck curve

California Grid

Net load - March 31



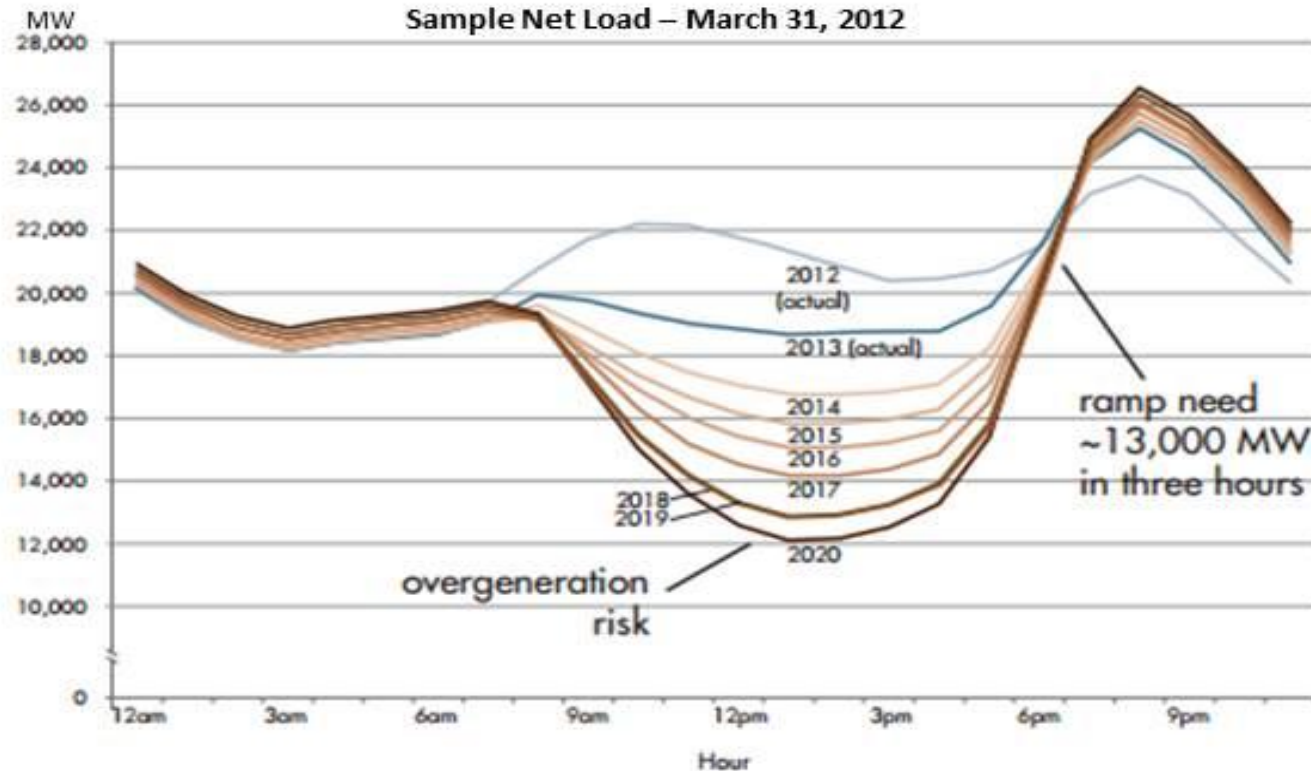


Until 2012, daily energy demand looked like a two-humped “camel,” Utility operated power plants supplied most of the needed energy.

After, substitution of local solar power to meet local energy needs, the daily demand curve transforms, from a camel (orange line) to a (forecast) “duck” (bottom green line).

Dramatic ramp up in power generation on 2020 curve that happens in the late afternoon.

The duck curve shows steep ramping needs and overgeneration risk



(from the California Independent System Operator)

Energy produced from solar wanes but energy demand rises. Accommodating this ramp-up in energy use requires a lot of standby power from expensive to operate, rapid-response power plants.

IEGC

CAISO



**Follow-up action as per decisions in
Forum of Regulators meeting**

FORUM OF REGULATORS (FOR)
C/o. Sectt. Central Electricity Regulatory Commission (CERC)
3rd & 4th Floor, Chandralok Building, 36, Janpath, New Delhi-110 001
Tel.:23753920 / Fax: 23753923

F. No. 1/14/2015-Reg.Aff.(FSDS)/CERC

Dated: 18.11.2015

Subject: Constitution of "Technical Committee for Implementation of Framework on Renewables at the State Level"

Sir,

Forum of Regulators (FOR) endorsed draft Model Regulations for Forecasting, Scheduling and Deviation Settlement of Wind & Solar generating stations at the State level. Further, given the variation in technical and commercial frameworks from State to State, and to build capacity at the State level, it has been decided by Chairperson, FOR to form a Technical Committee under the Chairmanship of Member CERC, Shri A.S. Bakshi.

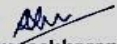
2. The composition of the Committee is as follows:-

(i) Sh.A.S. Bakshi, Member, CERC	-	Chairman
(ii) Member (Technical), TNERC	-	Member
(iii) Member (Technical), GERC	-	Member
(iv) Member (Technical), RERC	-	Member
(v) Member (Technical), MERC	-	Member
(vi) Member (Technical), APERC	-	Member
(vii) Member (Technical), KERC	-	Member
(viii) Member (Technical), MPERC	-	Member
(ix) Sh. S.K. Soonee, CEO, POSOCO	-	Member
(x) Dr. S.K. Chatterjee, Joint Chief (RA), CERC	-	Member-Convenor

The Committee may co-opt external experts, as deemed fit.

3. The Committee would inter-alia evolve a roadmap for implementation and ensure timely action on the following:-

- a) Deployment and implementation of Framework on Forecasting, Scheduling and Deviation Settlement of Wind & Solar generating stations at the State level.
- b) Introduction / implementation of the Availability Based Tariff (ABT) framework at the State level as mandated in the National Electricity Policy and Tariff Policy.
- c) Introduction of Ancillary Services and Reserves at the State level.
- d) Implementation of Automatic Generator (AGC) and primary control within the States.
- e) Provide periodic reports to the FOR.


(Rashmi Somasekharan Nair)
Deputy Chief (Regulatory Affairs)

Distribution:

To all concerned.
(as mentioned in Para 2)



THIRD MEETING OF “TECHNICAL COMMITTEE FOR IMPLEMENTATION OF FRAMEWORK ON RENEWABLES AT THE STATE LEVEL”

Venue : CERC, New Delhi

Date : 10-2-2016

MINUTES OF THIRD MEETING OF “TECHNICAL COMMITTEE FOR IMPLEMENTATION OF FRAMEWORK ON RENEWABLES AT THE STATE LEVEL

It was agreed that Chairperson, FOR, shall be requested to authorize the Committee to hire a Consultant to support the Committee in accomplishing the tasks assigned to it.

Furthermore, it was discussed that one Consultant per State shall be ideal to work through the entire process of planning and implementation of ABT/DSM at the State level.

MINUTES OF THIRD MEETING OF “TECHNICAL COMMITTEE FOR IMPLEMENTATION OF FRAMEWORK ON RENEWABLES AT THE STATE LEVEL

There is an urgent need for putting in place interface meters for intra-State entities. Losses in intra-State transmission should be computed. 15 minute accounting is a pre-requisite for seamless integration of RE. **Meter should be the starting point of the exercise and the magnitude of investment required to put in place suitable meters should be identified immediately.**

SERCs should direct the STUs to prepare metering/telemetry plan and send the proposal for part funding from PSDF.

The next meeting of the Committee shall be held on **18th March, 2016 at CERC.**



Metering and Accounting at intra-State level

CEA (Installation & Operation of Meters) Regulations

These regulations provide for type, standards, ownership, location, accuracy class, installation, operation, testing and maintenance, access, sealing, safety, meter reading and recording, meter failure or discrepancies, anti tampering features, quality assurance, calibration and periodical testing of meters, additional meters and adoption of new technologies in respect of following meters for correct accounting, billing and audit of electricity:

- (i) Interface meter**
- (ii) Consumer meter**
- (iii) Energy accounting and audit Meter**

CEA (Installation & Operation of Meters) Regulations

Ownership of meters. -

(1) Interface meters

(a) All interface meters installed at the points of interconnection with Inter-State Transmission System (ISTS) for the purpose of electricity accounting and billing shall be owned by CTU.

(b) All interface meters installed at the points of interconnection with Intra-State Transmission System excluding the system covered under sub-clause (a) above for the purpose of electricity accounting and billing shall be owned by STU.

CEA (Installation & Operation of Meters) Regulations

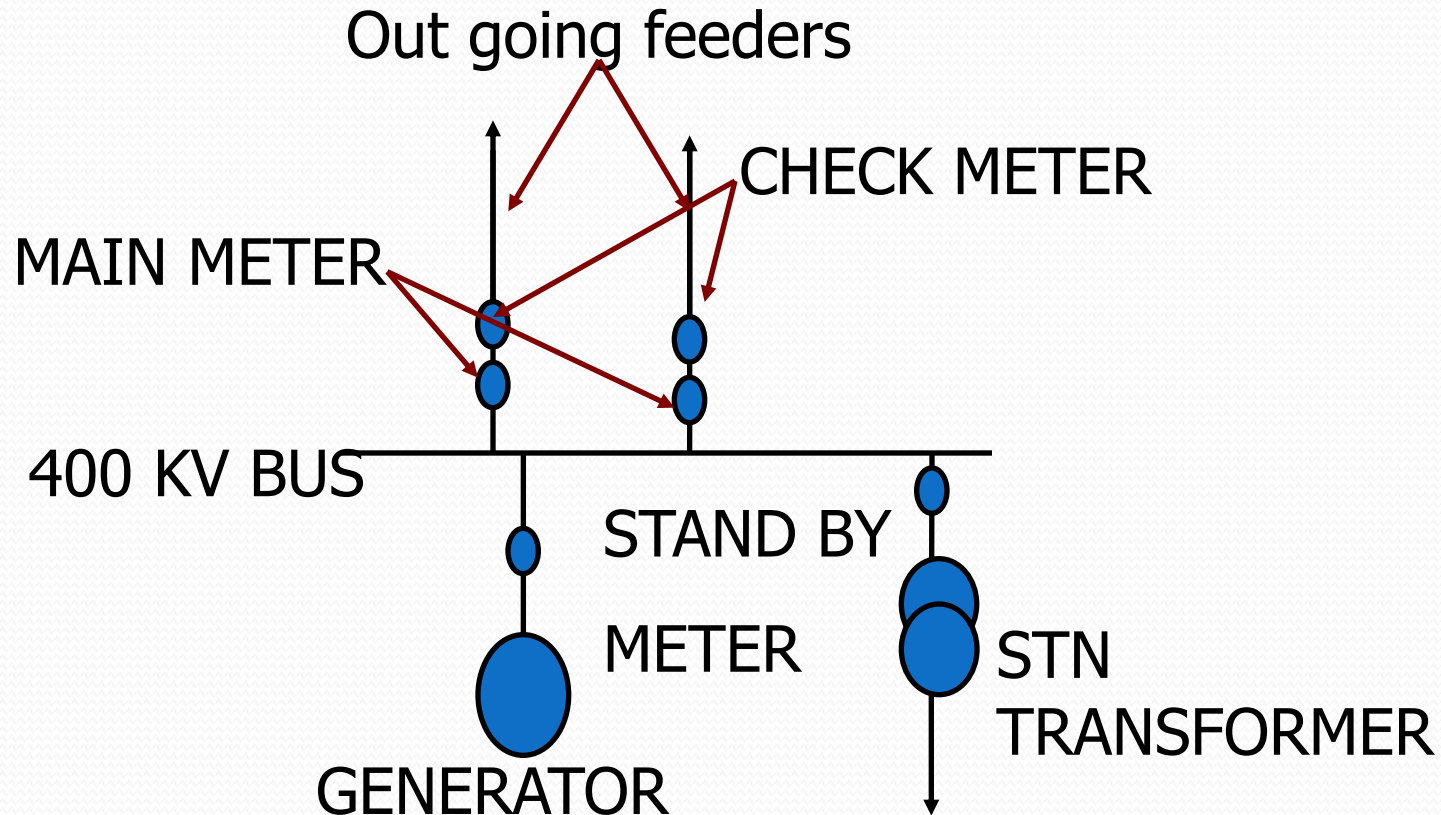
7. Locations of meters.-

Location	Main meter	Check meter	Standby meter
Generating System	On all outgoing feeders	On all outgoing feeders	HV side of GT HV side of Station Aux. Transformers
Transmission System	At one end of the line between the S/Ss of the same licensee and at the both ends of the line between S/Ss of two different licensees. Meters at both ends shall be considered as main meter.		There shall be no separate standby meter. Meter installed at other ends of the lines in case two different licensees shall work as standby meter.
ICT	HV side of ICT		LV side of ICT

CEA (Installation & Operation of Meters) Regulations

Philosophy of installation

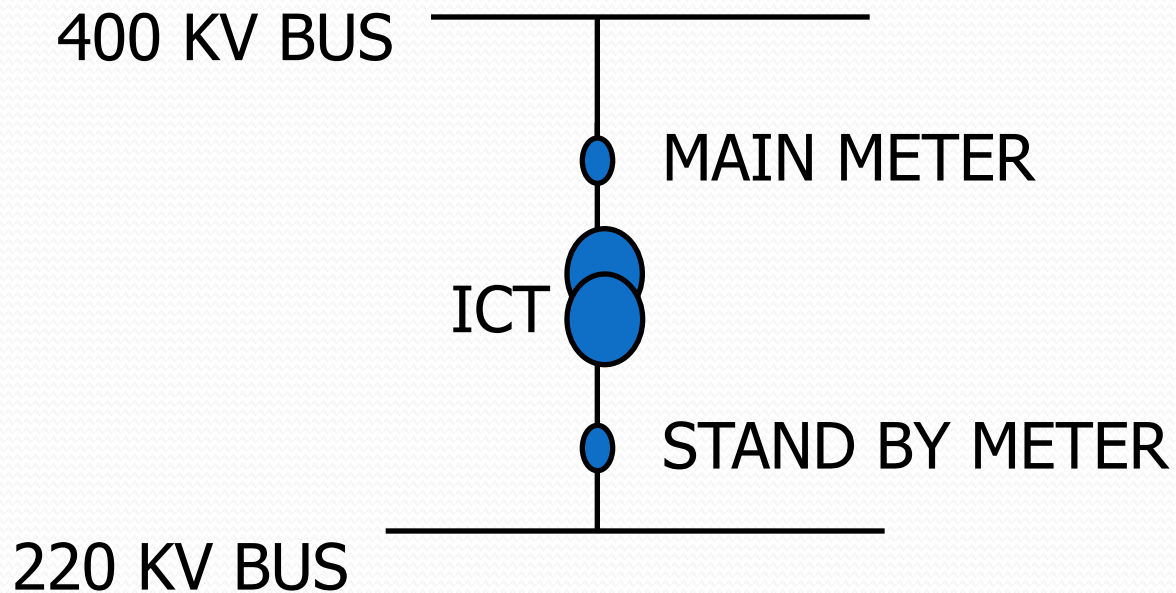
- For **GENERATING** Stations



CEA (Installation & Operation of Meters) Regulations

- **For ICTS**

Main meter is provided on EHV side of ICT and stand by meter on LV side of ICT.



Processing of SEM data at SLDC

- Raw data is sent to SLDCs every week from sites through e-mail.
- Raw data is converted to text files.
- Actual energy is calculated by a software.
- Drawal by each DISCOM, generation by each State Generator.
- Loss is calculated for every 15 minute time block.

Data checking & Validation at SLDC

Identification of any metering error can be done through three broad categories of checks.

- **End1- End 2 (using pair check)**
- **Net bus check of Generators using Kirchhoff's law.**
- **Net bus check of substations using Kirchhoff's law.**

Checks are also carried out to ascertain time drift in the meters with reference to Master meter.

Proposed Roadmap at State level ; first step

- **Notification of Meter Specifications (as per CEA standards) by SERC**
- **Identification of Transmission - Distribution Interface by SLDC**
- **Assessment of Meter Requirement-present and future by SLDC**
- **Procurement of Meters including spare quantities by STU**

Proposed Roadmap at State level ; first step

- **Establish Logistics for**
 - **Data Collection, Processing and Validation at SLDC**
 - **Meter Calibration, Time Synchronization, Maintenance at STU locations**
 - **Trouble shooting**
- **Preparation of trial weekly Intra State Energy Account by SLDC**
- **Reconciliation of Energy Account at respective boundary with every Intra State Entity by respective Entities.**



**Replicate at State level all the features of
Regional level**



Thank U

Table – I: REA Template / Format Harmonization

[Based on Regional Energy Accounts (REAs) Issued by the Regional Power Committees (RPCs) for November 2015]

Sr. No.	Item	NRPC	WRPC	SRPC	ERPC	NERPC	Remarks
1	Status – Provisional / Final	Final	Final	Provisional & Final available. Revised (version 4 th Jan 2016) considered	Provisional (2 nd Dec 2015)	Final (7 th Dec 2015)	
2	ISGS Plant Availability Factor (PAF)	Available	Available	Available	Available indirectly	Available	
3	Mis-declaration of DC by CS Stations	Available	Not available	Not available	Not available		
4	Wtd. Avg. entitlements of utilities as per GOI orders	Available in %	Available in KWH and %	Available in % & MW	Available	Available	
5	Cumulative Wtd. Avg. entitlements of utilities	Available in %	Available in KWH and %	Available in %	Not available	Available	
6	Energy scheduled to beneficiaries from CS Coal/Gas Stations	Available	Available	Available	IC, Aux Cons., Ex-Bus normative capacity, Avg. DC, DC-PAFM, Capacity Charges, Incentive, Energy Charges	Available	

Sr. No.	Item	NRPC	WRPC	SRPC	ERPC	NERPC	Remarks
7	Energy scheduled to beneficiaries from CS Hydro Stations	Available	Available	Not applicable	IC, Aux-Cons., NAPAF, Design energy, Free energy home state, Saleable energy, energy schedule, PAFM, Capacity charges	IC, Design Energy, Annual Fixed Charges, Scheduled energy	
8	Energy actually booked to utilities from Nuclear stations	Available	Available	Available	Not applicable	Not applicable	
9	Energy actually booked to utilities from BBMB/SSP stations	Available for BBMB	Available for SSP	Not applicable	Not applicable	Not applicable	
10	Energy booked from NTPC Solar stations	Available	Not applicable	Available	Available	Not applicable	As per new RE Framework, DSM is to be applicable
11	Details of Bilateral Exchanges of shared projects	Available	Available	Available	Not available	Available as Separately	
12	Details of Intra-Regional Bilateral Exchanges	Available	Available	Available	Available	Available Separately	
13	Details of Inter-Regional Bilateral Exchanges	Available	Available	Available	Available	Available Separately	
14	Details of Power Exchange Collective Transactions (IEX & PXIL)	Available	Available	Available	Not available	Available Separately	

Sr. No.	Item	NRPC	WRPC	SRPC	ERPC	NERPC	Remarks
15	Details of energy scheduled/supplied from stations outside the Region	Available	Available. Based on ER REA.	Not available	Not available	Available	
16	PLF of Thermal Stations (monthly and cumulative)	Available	Available	Available	Available	Available	
17	Incentive energy beyond target PLF for thermal stations	Available	Not available	Available	Available	Available	
18	Allocation of NVVN Coal Power in %	Available	Available	Not available	Not available	Not applicable	
19	Scheduled NVVN Coal Power	Available	Available	Not available	Not available	Not applicable	
20	Monthly entitlement corresponding to URS Energy (%)	Available	Available Separately	Not available	Not available	Available	
21	Cumulative entitlement corresponding to URS Energy (%)	Available	Available	Not available	Not available	Available	
22	Entitlement for ULDC charges	Available	Not available	Not available	Not available	Not available	
23	Entitlement in UMPP Stations	Not available	Available in KWH and %, including other region constituents	Not applicable	Not applicable	Not applicable	
24	Cumulative Entitlement in UMPP Stations	Not available	Available in KWH and % including other region constituents	Not applicable	Not applicable	Not applicable	

Sr. No.	Item	NRPC	WRPC	SRPC	ERPC	NERPC	Remarks
25	Scheduled energy in UMPP stations	Covered in item 15 (Table – L)	Available	Not available	Not available	Not available	
26	Summary of MTOA/LTA Transactions	Not available	Available	Available	Available	??	
27	Details of Wheeling Charges	Not available	Not applicable	Available	Not available	Not available	
28	Break up of REA for intra-state DISCOMs	Not Required to be shown	Not Required to be shown	Not Required to be shown	Available for Bihar	Not Required to be shown	
29	Cross border transactions	Available	Not applicable	Not applicable	Available	Not available	

Table – II: DSM Account Template / Format Harmonization

[Based on DSM Accounts Issued by the Regional Power Committees (RPCs) for Week 34, 16-22 November 2015]

Sr. No.	Item	NRPC	WRPC	SRPC	ERPC	NERPC	Remarks
1	Abstract of utility wise / Station wise deviation charges	Available	Available	Available	Available	Available	
2	Average Regional Transmission Loss for the week	Available	Not available	Not available	Not available	Not available	
3	Details of time-block wise suspension of DSM due to transmission constraint	Available	Available	Not available	Not available	Not available	
4	Details of time-block wise suspension of DSM due to grid disturbance	Available	Available	Not available	Not available	Not available	
5	Date wise & entity wise details of deviation amount	Available	Available	Available	Available	Available	
6	Details of weekly limits (12% - 15%, 15%-20%, >20%)	Not available	Not available	Not available	Not available	Available	
7	Methodology adopted for making "Payable = Receivable"		Every 15TMBLK Payable is made equal to Receivable			Minimum of the two.	

पूर्वोत्तर क्षेत्र के वित्तीय वर्ष 2015-16 के विचलन बकाया की स्थिति (पिछले साल सहित)
Deviation Outstanding status of NER for FY-2015-16(including Last years O/S)

घटक/Constituents	25/01/2016	31/01/2016	तक		आज की तारीख में/As on 17.02.16		Figs in Lacs
	टोटल/TOTAL (till wk-44 of FY15-16)		टोटल/TOTAL (Disb. Till wk-44)Part		टोटल / TOTAL		O/S PAYABLE >13 WEEKS
	पूल के लिए देय / Payable to Pool	पूल से प्राप्य / Receivable from Pool	भुगतान किया / Paid	प्राप्त / Recived	O/S Payable to Pool	O/S Receivable from Pool	
अरुणाचल प्रदेश / Ar. Pradesh	6614.34	270.88	6048.68	270.89	565.66	0.00	0.00
असम / Assam	16477.63	127.26	13375.45	127.20	3102.18	0.06	1380.97
मणिपुर / Manipur	1622.34	489.26	1018.03	485.17	604.30	4.10	365.86
मेघालय / Meghalaya	1060.34	1482.26	1060.34	1454.33	0.00	27.93	0.00
मिजोरम / Mizoram	2900.92	47.92	2296.23	47.91	604.69	0.01	0.00
नगालैंड / Nagaland	3658.21	100.22	3132.41	100.22	525.80	0.00	0.00
त्रिपुरा / Tripura	6150.09	199.44	5676.84	199.36	473.25	0.08	0.00
लोकतक / Loktak	54.03	222.97	58.12	215.82	-4.09	7.15	0.00
नीपको / NEEPCo	1041.02	3971.05	1041.02	3852.50	0.00	118.55	0.00
ई आर / ER	14504.92	25641.79	12210.98	22787.99	2293.94	2853.81	
ओटीपीसी/ OTPC	1429.77	4253.62	1415.91	4252.93	13.86	0.69	0.00
एनटीपीसी / NTPC	329.10	29.48	328.95	5.07	0.15	24.41	0.00
एन आर / NR	5204.68	14411.81	2609.70	11338.90	2594.98	3072.90	
PSDF	0.00	0.00	0.00	5134.39	0.00	0.00	
टोटल / TOTAL	61047.40	51247.97	50272.67	50272.67	10774.73	6109.69	