



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 : 0364-2534077

Fax: 0364-2534040

email: nerpc@ymail.com

website: www.nerpc.nic.in

No.: NERPC/COM/CC_Min/2014/3427-65

Dated: 16th December 2014

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&E), Department of Power, Govt. of Mizoram, Khatla, Aizawl – 796 001
4. Chief Engineer (WE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
5. CGM, AEGCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
6. CGM (Comml), APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
7. CGM (Comml), 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. RED (East-II), NTPC Limited, ER-II HQ, Plot No. N-17/2, Third Floor, Naya Palli, Bhubaneswar-751012
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. Chief Engineer, GM Division, CEA, Sewa Bhawan, R.K. Puram, New Delhi – 110066

Sub: Minutes of the 23rd CC meeting held on 25/11/2014 at Gitanjali Guest House, Agartala.

Sir,

Please find enclosed herewith the minutes of 23rd Commercial Committee Meeting held at Gitanjali Guest House, Agartala on 25th November, 2014 for your kind information and further necessary action.

Encl.: As above

Yours faithfully,

बी. लिङ्गखोई

(बि. लिङ्गखोई / B. Lyngkhai)

निदेशक / Director/SE

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 (Comml), OTPC, 6th Floor, A Wing, IFCI Tower-61, Nehru Place, New Delhi-110019
16. AGM (Comml), NTPC Limited, ER-II HQ, Plot No. N-17/2, Third Floor, Naya Palli, Bhubaneswar-751012

वी. निंगरगेर

निदेशक / Director/SE

North Eastern Regional Power Committee

Minutes of the 23rd Commercial Coordination Committee Meeting

Date : 25th November 2014

Venue: Gitanjali Tourism Guest House, Agartala

Proceeding of the 23rd Commercial Committee Meeting

The 23rd Commercial Committee meeting of NERPC was held on 25th November 2014 at Gitanjali Tourism Guest House, Agartala. The meeting was hosted by OTPC Ltd. The list of participants is given at **Annexure - A.**

The meeting started with welcome address by Shri Arup Sarmah, DGM (Comml), OTPC followed by presentation of flower bouquet to the dignitaries by OTPC Ltd. After this, Shri B. Lyngkhohi, Director/SE (O), NERPC welcomed all the participants of the CC meeting on behalf of NERPC. He thanked OTPC Ltd for making excellent arrangement for the meeting and comfortable stay of the delegates. He briefed about the funding for upgradation and renovation of SLDCs from PSDF and requested all concerned to furnish required proformas, BOQ, and other information so that the scheme could be implemented at the earliest. He also stated that Palatana Power plant will play a major role in providing adequate power supply in the region especially with the commissioning of Palatana Module-2. He however informed that huge outstanding dues are a major concern being faced in the region and all effort must be made to liquidate outstanding dues. He took the opportunity to thank Shri S. K. Dube, MD, OTPC Ltd, who was going to retire by end of November 2014, for his contribution in various forums of NERPC. He also welcomed Shri S. Ganguly, the MD-Designate of OTPC Ltd to NERPC forum and stated that his presence as MD of OTPC Ltd will benefit the North Eastern region as a whole.

Shri S. K. Dube, MD, OTPC Ltd welcomed all the delegates of CC meeting. He stated that he was proud to have worked in various PSUs particularly in the Power sector. He wished that the meeting would bring out fruitful outcome. Shri S. Ganguly, the MD-Designate, OTPC Ltd, in his brief speech assured that he would do all he could to help resolve issues through various forums of NERPC. GM, NERLDC thanked OTPC Ltd for bringing in Palatana Module –I without which the region would have faced severe power crisis at this juncture. GM (Comml) NEEPCO stated that CCM is the right forum to solve all issues and hoped that all utilities would comply with decisions taken in the meeting. In his brief speech, AGM(C&SO), TSECL stated that NERPC forum should strive hard towards improving system operation which is commercially viable as well.

There were presentations on commercial issues and discussion by NERLDC. Details of the presentations are enclosed at **Annexure – B.**

Then, the agenda items were taken up.

Minutes of the Agenda Items

1. Confirmation of the minutes of 22nd CC meeting held on 12/09/2014 at Hotel Classic, Imphal.

Minutes of the 22nd CC Meeting held at Hotel Classic, Imphal on the 12th September 2014 were circulated vide No.: NERPC/COM/CC_Min/2014/2330-54 dated 1st October 2014.

- (i) NERLDC has made observation on item 10.2 **“Deferred shutdown of Palatana from OCC approved schedule causing commercial losses as per DSM”**. Letter of NERLDC is enclosed. (**Annexure-1**).

- (ii) NERTS has proposed for modification/addition under item **4.13 “Elster make SEMs in NER”** in para-2 “Any methodology for time/date correction beyond standard TS/practice will be done by CTU only with specific instruction/intimation from /to NERLDC”

Members may like to discuss for above proposed modification/addition and confirm the minutes.

Deliberations in the Meeting

- (i) *Observation of NERLDC was circulated and discussed. However, the issue was deliberated in detail in 22nd CCM and the views of NERLDC were also acknowledged. Commercial Committee noted the views of GM-NERLDC. It was agreed that modification of item No. 10.2 of the minutes of 22nd CCM is not necessary.*
- (ii) *The proposal of NERTS to add the above line in para-2 under item 4.13 was agreed to by the members.*

The minutes of 22nd CCM was thus confirmed with inclusion of observation of NERTS as indicated in (ii) above.

2. Agenda items from NERPC

2.1 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. 2012 – 2013										
Regulating Entity: Regulated 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 UI 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.

NHPC has submitted required information up to FY 2014-15(till date) (**Annexure-2.1**). NERTS has submitted for FY 2011-12 only.

All concerned entities including POWERGRID, NEEPCO, and TSECL are requested to submit the details of revenue earned, if any through regulation of power for every financial year up to 2014-2015 (till date) on monthly basis.

Deliberations in the Meeting

All concerned have submitted required information up to the latest regulation period. The details submitted by NHPC is attached at **Annexure- 2.1**

All concerned organizations i.e, NEEPCO, NHPC, PGCIL, TSECL etc are requested to submit details as and when regulation is done as per format given above.

2.2 Contribution to the Board Fund of NERPC:

In the 22nd CCM held on 12/09/14 at Imphal, all constituents agreed to furnish to NERPC Secretariat, the details of transfer of money viz, Amount, Date, UTR No. or any other details (References) for easier reconciliation of payment made by constituents to NERPC Board Fund. NERPC vide letter No. NERPC/COM/CC_Corr/2014/2692-718 dt. 27/10/14 has written to all constituents to furnish the details with format given below:

Name of Constituents				
F.Y	Amount (in Rs.)	Mode of Payment (Cash/Cheque/DD/NEFT/RTGS etc)	Date	Remarks/Cheque No./DD No./UTR No./other details
2011-12				
2012-13				
2013-14				
2014-15				

NHPC, Nagaland and OTPC have furnished the above information. The rest of the utilities are requested to furnish the same so that reconciliation could be done immediately.

Deliberations in the Meeting

NERPC informed that NHPC, Nagaland, OTPC & Tripura have submitted required information. NEEPCO also submitted details up to 2012-13 and requested NERPC to write to them so that payment could be made accordingly. Manipur also requested NERPC to write to them so that payment could be released accordingly. NERPC agreed to communicate to all constituents for payment of board fund for concerned Financial Years. In the mean time, constituents were requested to furnish all details available with them at the earliest.

It was also agreed that NERPC Secretariat will raise bills to all the constituents for the period from the financial year 2010 - 2011 and constituents who have not made the payment were requested to make the payment accordingly at the earliest.

2.3 Nomination of a meter coordinator and a representative to committee to finalise technical specifications and shortlist SEM manufacturer:

In the 22nd CCM, it was decided to nominate one coordinator from each utility for any meter related issues. It was also decided to form a committee comprising of members from NER utilities, NERPC Secretariat and NERLDC to study and finalize the technical specifications and identify and shortlist efficient and reliable SEM manufacturers. In this regard, NHPC, AEGCL & NERLDC have submitted nominations. Other constituents are requested to send their nomination at the earliest.

Deliberations in the Meeting

Discussed at item 8.5

2.4 Requisition based scheduling:

The issue was discussed in earlier OCC and CC meetings. Such increase of schedule causes inconvenient demand management and commercial loss. In the 103rd OCC meeting, it was agreed that in case of revision of schedule more than 20 % from RHEP, generation from other stations of NEEPCO may be reduced proportionately to safeguard the violations of IEGC by beneficiaries due to such revisions in schedules.

However, since minimum generation from each unit of NEEPCO generating stations are different and details are not yet provided by NEEPCO. In order to absorb the revised schedule of RHEP, many units of NEEPCO plants may need to be reduced or even some units may be required to be stopped. Therefore, it was agreed that for proper planning purposes NEEPCO may come with a proposal in next OCC for efficient scheduling from their units in case of revision from RHEP.

Members may like to deliberate.

Deliberations in the Meeting

GM, NERLDC suggested that if generation of RHEP increases beyond certain level, mechanism should be made in the control room of NEEPCO to appropriately reduce generation from other stations of NEEPCO. He however stated that beneficiaries also have to make a realistic and accurate requisition so that RLDC can help to make proper generation planning.

GM, NEEPCO suggested to discuss the issue in OCC as it is related to operation and concerned officials will be available in OCCM.

After detail deliberation, NEEPCO was requested to come up with positive plan to resolve the issue. The matter was referred to next OCCM for further deliberation.

2.5 Open cycle generation of AGBPP:

As directed by Hon'ble Commission, NERPC has calculated the open cycle generation of AGBPP from 1st April 2009 to 31st July 2013 and the same is enclosed at **Annexure 2.5**. Open cycle generation from August 2013 till date will be issued soon.

For information of members.

Deliberations in the Meeting

Assistant Secretary, NERPC informed that the open cycle generation of AGBPP from 1st April 2009 to 31st July 2013 has been issued vide NERPC Letter No. NERPC/Com/CC_Corr/2014/3025-63 dated 25/11/2014 and the same was handed over to all the members present.

Open cycle generation from 1st August 2013 will be issued soon.

3. Agenda items from NHPC

3.1 Payment of Deviation and Additional Deviation charges:

It has been observed that UI/Deviation charges are not released in time along with the interest on delayed payments. NHPC is making timely payment of UI/ Deviation charges (as payable by NHPC) despite the fact that net effect of payable and receivable is actually receivable to NHPC. It is therefore requested to timely release the UI/Deviation charges, as receivables to NHPC.

Deliberations in the Meeting

Discussed at item no. 8.1

3.2 Outstanding dues of NHPC for more than 60 days:

MeECL, Meghalaya: - As on date an amount of **Rs 16.23 Crs** (Including surcharge of Rs 3.28 Crs) is outstanding. Meghalaya is not liquidating the outstanding dues even after regulation of power w.e.f 23.01.2014. A MOM was signed between MeECL & NHPC on 07.08.2014 and MeECL made a commitment for liquidation of outstanding dues including surcharge in installments but MeECL did not adhere to its commitment.

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

Deliberations in the Meeting

Members noted the concern of NHPC. However, since MeECL representative was not available, NHPC was requested to pursue bilaterally.

Director/SE (O), NERPC requested NHPC, NEEPCO, PGCIL, NTPC to send the latest outstanding dues so that NERPC can take up with Govt. of Meghalaya to liquidate the outstanding dues at the earliest.

3.3 Signing of PPA & BPSA

(i) Signing of PPA with Arunachal Pradesh in respect of Subansiri Lower HE project (2000 MW) in Arunachal Pradesh:-

Signing of PPA in respect of Subansiri Lower HE Project (2000 MW) in Arunachal Pradesh has been pending since long in spite of regular follow up. The representative from Arunachal Pradesh was not present in 21st and 22nd CCMs and matter could not be deliberated.

(ii) Signing of PPA in respect of Tawang-I & II H.E. Projects in Arunachal Pradesh

Draft PPA have been sent to Assam, Manipur, Meghalaya, Nagaland, Tripura, Arunachal Pradesh & 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.

(iii) Signing of BPSA in respect of Loktak Power Station with APDCL, Assam:-

Signing of BPSA in respect of Loktak Power Station is pending since long in spite of our regular follow up. As per deliberation in the meeting of 22nd CCM, representative of APDCL assured that signing of BPSA is under active consideration by Govt. of Assam and same will be signed as early as possible after clearance from accounts division. But till date, we have not received any information from their side.

So, it is again requested that intervention of NERPC is required in this regard for early signing of PPA/BPSA.

Deliberations in the Meeting

(i) Members noted the concern of NHPC. However, since Ar. Pradesh representative was not available, NHPC was requested to pursue bilaterally.

(ii) Regarding signing of PPA in respect of Tawang-I & II H.E. Projects in Arunachal Pradesh, Assam stated that the draft PPA is being examined by the government. Manipur also informed that PPA is under consideration. Tripura stated that they will write to NHPC for some clarification.

CE (C), NHPC requested all concerned beneficiaries to send their consent for signing at the earliest.

(iii) In the case of BPSA in respect of Loktak Power Station which is not yet signed by Assam, AGM, APDCL stated that due to fund crisis, Assam is not able to give commitment. He however informed that signing of BPSA in respect of Loktak station is under consideration and they will sign it soon.

CE (Comm), NHPC requested Assam to extend the present BPSA upto 31/03/2016. Director/SE (O), NERPC advised NHPC to personally visit APDCL office in Guwahati and convince Assam to sign the BPSA.

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

MeECL: - Deptt. of Meghalaya has not provided Letter of Credit (LC) of **Rs 1.51 Crs**. NHPC has requested to Meghalaya regarding providing of Letter of Credit of requisite amount but till date no response has been received by this office.

MeECL, Meghalaya, may be requested to furnish the Letter of Credit (LC) of requisite amount on top priority.

Deliberations in the Meeting

Members noted the concern of NHPC. However, since MeECL representative was not available, NHPC was requested to pursue with MeECL bilaterally.

4. Agenda items from APDCL (ASEB)

4.1 Energy supply to Arunachal and Nagaland through 33 KV/ 11 KV network of Assam (APDCL):

Based on an agenda Item of APDCL, the 22ND Commercial Committee Meeting of NERPC dated 12TH September' 2014 decided that the existing mechanism of transaction of energy among Beneficiary States, particularly among Assam, Arunachal Pradesh and Nagaland needs to be disconnected because of implementation of POC as accounting under POC mechanism is based on 15 minutes time block instantaneous meter readings whereas these 33KV/ 11KV feeder meter readings are based on monthly readings. Meters connected with these 33KV/ 11KV feeders are not ABT meters equipped with 15 minutes time block facilities nor it would also be possible to provide 15 minutes interval timely meter readings due to remoteness of the meters if ABT meters were connected.

On the basis of above decision, It is now requested the NERPC Forum to fix a time line for amicable introduction of bilateral arrangement of billing and applicable tariff rates thereupon.

Deliberations in the Meeting

The matter was discussed in details and members noted the concern of APDCL. However, since representatives of Ar. Pradesh and Nagaland were not present, it was decided that joint visit will be made by APDCL and NERPC to both the states for settlement of the same. Assam was also requested to pursue with both the state by visiting their HQs personally to settle the issue bilaterally.

4.2 LGBR submitted by CSGS vs Actual Generation:

Sometimes it is seen that the actual generation of some CSGS are found to have difference than their estimation in LGBR. Though it is obvious to have difference but whenever the level of difference between estimation and actual becomes more, then it creates problems for Beneficiaries in load management in terms of financial as well as operational matters. Arrangement of power at short notice also not always possible. CSGS are therefore requested to provide the LGBR in a realistic manner to the extent possible so that necessary planning arrangement accordingly can be made by States.

Deliberations in the Meeting

AGM, APDCL requested CSGS to provide LGBR in a more realistic manner so that proper load management can be done by the beneficiaries.

Director/SE (O), NERPC stated that data for LGBR should be sent by 20/12/2014 positively by all concerned so that LGBR can be finalized by 31/12/2014 as per IEGC. While stating that till date only Assam, NEEPCO & MeECL have submitted required data, Director/SE(O), NERPC impressed upon members to furnish generation and outage planning in a serious and realistic manner and furnish the same by 20/12/2014 positively.

4.3 Re-import of Kurichhu energy by Bhutan through Assam Grid and follow up action thereof on the basis of special meeting dated 03.11.2004 held at ERPC HQ, Kolkata.

A special meeting was held on 03.11.14 at ERPC H/Q, Kolkata regarding accounting for power exported by Assam to Bhutan from 01.04.2003. The minutes of the said meeting including decision taken on the issue (**Annex.-4.3 a**) and a copy of the bill of entire period with statement of claim etc (**Anex.-4.3 b**) are enclosed.

Assam requested NERPC forum to do the needful and follow up action on the decision.

Deliberations in the Meeting

Assistant Secretary, NERPC informed that as per decision in the above meeting, calculation based on average UI rate and frequency of the month, has been submitted by APDCL for the period from April 2003 till Feb, 2014 (attached as above). For the period 01.04.2003 to 16.02.2014 the above issue/methodology would be discussed and got recommended in respective CCM of ER & NER. As decided in the above meeting, Assam is to file petition to CERC and ERPC/ERLDC/NERPC/NERLDC and constituents will support the case of Assam for condoning of time barring, paying/settlement of past UI amount from deviation pool etc. The calculation will be verified by NERPC before filing of petition by Assam to ensure correctness of data. Assam agreed to furnish details of average frequency and UI rates used by them to ensure quick verification.

However, for the period from 17.02.2014 to 31/10/2014 (ie. after implementation of DSM regulation), NERPC has calculated average UI rate and frequency and the calculation sheet was circulated during the CC meeting. This will be endorsed to ERPC for further action for payment to APDCL.

5. Agenda items from TSECL

Till date Mizoram has not open the LC which was expired on Aug 12 & as of date outstanding amount is approx Rs 10-12 crores excluding the surcharge.

NERPC may kindly intervene for early recovery of outstanding dues as well as opening of LC as security mechanism.

Deliberations in the Meeting

Members noted concern of TSECL. However, since Mizoram representative was not present, TSECL was requested to pursue with Mizoram bilaterally.

6. Agenda items from NEEPCO

6.1 Commissioning of separate 33 KV Delivery Line from Khandong PH to APDCL Substation at Umrongsoo:

This issue was deliberated in the 22nd CC meeting also.

As per latest information gathered from APDCL, the separate 33 KV line will be charged in the last part of November, 2014 and the tapping from NEEPCO colony line will be disconnected.

However, it is mentioned that there is a 11 KV line from 33/11 KV substation at Khandong to supply power at Khandong Intake, Kopili Dam site including Dyke, NEEPCO colony at 5 Kilometer. APDCL has a tapping from this line also to supply at Green Bazar area.

Accordingly, segregation of APDCL's Umrongso substation load from 33 KV PS-1 feeder only will not serve the purpose in totality. The Green Bazar load of APDCL also must be segregated from NEEPCO's 11 KV feeder to Khandong intake etc.

The above is for deliberation among the members for immediate action on the same.

Deliberations in the Meeting

AGM (Comml), APDCL informed that the separate 33kV delivery line from Khandong PH to APDCL S/S at Umrangsoo would be ready by 1st week of December 2014. Regarding another tapping from Khandong for green bazaar load of APDCL, Assam representative agreed to look into the issue.

SE (O), NERPC suggested that both Assam and NEEPCO should visit the site and try to settle the issue bilaterally.

After discussion, it was decided that Assam and NEEPCO will visit the location and try to sort out the issue bilaterally.

6.2 Signing of PPA for AGTP Combined Cycle Extension Project by Dept. of Power, Govt. of Arunachal Pradesh:

The 51 MW AGTP Combined Cycle Extension Project at Ramchandra Nagar, Tripura is scheduled to be commissioned during the current financial year i.e 2014-15. All the beneficiaries with the exception of Arunachal Pradesh have signed PPAs with NEEPCO for this project.

NEEPCO's proposal for allocation of shares from the project is under consideration of the Ministry of Power, Govt. of India and the allocation order based on the executed PPAs is expected shortly.

The Dept. of Power (DoP), Govt. of Arunachal Pradesh was requested vide letter dated 06.10.2010 to confirm their consent to purchase power from the project; a draft PPA was also forwarded alongwith the letter for their scrutiny and comments. The DoP responded vide their letter dated 12.01.2011 conveying their readiness to purchase power from the project and also confirmed that the draft PPA was submitted to the government for approval.

However, despite a number of reminders thereafter to convey their comments on the draft to enable execution of the agreement, the DoP, Govt. of Arunachal Pradesh is yet to respond.

Therefore, in the event Arunachal Pradesh is not interested to purchase power from the project, their views need to be placed on record so that the Govt. of India may proceed accordingly while finalizing the allocation.

The matter is placed before the house for deliberation among the members to arrive at a suitable decision.

Deliberations in the Meeting

Representative of Ar. Pradesh was not present. It was however decided that NERPC will take up the matter with Ar. Pradesh. It was also decided that if necessary, representatives of both NERPC Secretariat and NEEPCO will visit Ar. Pradesh to resolve the issue.

6.3 Huge outstanding dues of Assam Power Distribution Company Ltd (APDCL):

As per the records of NEEPCO, an amount of Rs 815.50 Crore is payable to NEEPCO by the APDCL as on 14.11.2014 on account of purchase of electricity. Break up of the aforesaid dues are as follows:

Monthly energy bill	: Rs 509.67 crore
Supplementary bill	: Rs 87.60 crore
Reimbursement bill (NERLC/NLDC	: Rs 2.02 crore
Fees, CERC Appl. Fee etc.)	
Late payment surcharge	: Rs 216.21 crore
TOTAL	: Rs 815.50 crore

Of the above dues, more than 60 (sixty) days old amounts to Rs 598.72 crore.

APDCL is failing continuously to pay their dues on account of energy bills raised by NEEPCO. During the period of 01.04.2014 to 14.11.2014, the beneficiary has paid Rs 217.50 crore to NEEPCO against net bills raised on them amounting to Rs 477.45 crore, which shows very poor trend of settling the current dues.

In spite of regular meetings/persuasions with the authorities of APDCL on the matter relating to settlement of the dues including action plan there-on, no positive response could be received by NEEPCO till date. The issue was discussed during the earlier C.C. meetings also, but no improvement could be noticed on liquidation of the said dues.

For non-payment of such a huge outstanding dues by the APDCL, 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 among the members and at the same time APDCL may be requested to appraise the house on their action plan to clear their outstanding dues as well as for maintaining regular settlement of their current bills.

Deliberations in the Meeting

Sr. Manager (Fin.), NEEPCO was pleased to inform that 250 Crores has been released by APDCL recently. He however stated that still about Rs 563 cr is outstanding. He requested Assam to kindly liquidate all outstanding dues as well as current bills regularly.

6.4 Payment of Deviation Settlement Charge:

As per available records, an amount of Rs 9.00 crore is receivable by NEEPCO from pool on account of deviation charge for 2014-15 (including balance of 2013-14) as on 14.11.2014. During the financial year 2014-15 (till 14.11.2014), NEEPCO has received an amount of Rs 1.35 crore as deviation charge on settlement from NERLDC.

Since the accrued amount is quite high, the matter needs to be deliberated towards early settlement of the same.

Deliberations in the Meeting

Discussed at item 8.1

7. Agenda items from NERTS/PGCIL**7.1 Outstandings dues:**

The total outstanding of POWERGRID's NER beneficiaries is as under-

As on : 17/11/2014

CONSTITUENTS	Rs in Crores				
	Outstanding against Non PoC bills	Outstanding against PoC bills	Outstanding more than 60 days	Surcharge	Total Outstanding (including surcharge)
Ar. Pradesh	-0.51	3.55	-0.51	0.00	3.05
ASEB (Assam)	0.00	0.21	0.05	0.91	1.12
Manipur	-0.79	2.21	0.00	0.00	1.42
MeECL (Meghalaya)	0.34	20.34	14.37	1.05	21.74
Mizoram	-0.07	5.77	1.92	0.00	5.70
Nagaland	-0.03	0.00	0.00	0.00	-0.03
TSECL (Tripura)	0.02	3.11	0.00	0.00	3.13
TOTAL	-0.82	34.98	15.85	1.96	36.13

The total outstanding as on 17/11/2014 is Rs 36.13 Crore. Out of total outstanding, Rs 15.85 Crore is beyond 60 days. It may be seen that outstanding against MeECL is on much higher side. MeECL is requested to liquidate the outstanding as per liquidation plane forwarded to POWERGRID.

Constituents are requested to clear the outstanding dues in time to avail attractive graded rebate offered by POWERGRID. Considerable amount of surcharge are also due for liquidation as shown above. Constituents are requested to clear the surcharges early. If the outstanding dues over 60 days are not cleared by the Constituents at the earliest, POWERGRID may not have any other alternative, but to resort regulation as per CERC norms.

Deliberations in the Meeting

Asst. GM (Coml.) NERTS informed that some outstanding dues have been liquidated regularly except MeECL. He also stated that Mizoram is not able to clear their outstanding dues on time due to procedural hurdles/problems. He requested NERPC to impress upon Mizoram to find ways to streamline mechanism of payment so that surcharges are avoided by paying outstanding dues regularly in timely manner.

It was decided that NERPC secretariat will take up the matter with Mizoram and if needed, NERPC official will visit Aizawl to meet with Mizoram power department officials.

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

Cl. No. 3.6 of BCD states that, The Letter of Credit shall have a term of twelve (12) Months and shall be for an amount equal to one point zero five (1.05) times the average of the First Bill Amount for different months of the Application Period, as computed by the Implementing Agency (IA) for the DIC, where tripartite agreement for securitization on account of arrears against the transmission charges with the Government of India exist.

REQUIREMENT AND STATUS OF LC AS ON DATE (17.11.14) OF NER BENEFICIARIES

Sl	Beneficiary	Average first bill amount for (Apr-Sep13) of application period (Rs in Lakh)	M.F. (1.05 times where TPA exists)	LC required (Avg. first bill amount X MF (Rs in Lakh)	PRESENT LC VALIDITY UPTO	Due date of enhancement and renewal (for one year)	Tota LC Amount to be renewed including enhanced value (Rs in Lakh)		
							Existing	Enhancement	Total
1	Arunachal Pradesh	236	1.05	247.80	31.03.15	31.03.15	252.00	0.00	252.00
2	AEGCL (Assam)	1516	1.05	1591.80	26.03.15	26.03.15	1591.80	0.00	1591.80
3	Manipur	210	1.05	220.50	31.03.15	31.03.15	213.13	7.37	220.50
4	MeECL	393	1.05	412.65	10.12.10	10.12.10*	250.00	162.65	412.65
5	Mizoram	145	1.05	152.25	04.05.15	04.05.15	152.25	0.00	152.25
6	Nagaland	177	1.05	185.85	21.03.15	21.03.15	192.15	0.00	192.15
7	Tripura	176	1.05	184.80	14.02.15	14.02.15	183.00	1.80	184.80

Note – 1. LC shall be operated as laid down procedures of CERC order.

2. Tripartite agreement (TPA) for securitization on account of arrears against the transmission charges with the Government of India exists for all the constituents.

* MeECL has not renewed LC for last 3 years.

The constituents who are yet to renew LC are requested to enhance/renew LC as required to get the benefit of rebate scheme as per CERC norms.

Deliberations in the Meeting

Concerned beneficiaries were requested to renew LC / enhance LC as required to get the benefit of rebate scheme as per CERC norms.

7.3 Confirmation of TS of new meter procurement by all constituents:

Draft TS for new meter procurement was circulated as Annexure - 4.5 of MOM, 22nd CCM. All Constituents may kindly confirm the same in line with point 4.5 under deliberations in the meeting of MOM, 22nd CCM for urgent procurement of 250nos. of meters & 40nos. DCDs/Laptops. TS to be finalized to expedite procurement process without further delay.

Deliberations in the Meeting

Discussed at item 8.5

8. Agenda items from NERLDC.

8.1 Deviation charges outstanding:

Status of Deviation charges outstanding as on 14.11.2014 is attached (**Annexure-8.1**). From the same it can be seen that Assam (Rs. 57 Crores) and Tripura (Rs. 22 Crores) are major defaulters. Such payment default is creating serious constraint in timely settlement of pool account. NERLDC is to payout Rs. 39.1 Cr. to ER, Rs. 8.99 Cr. to NEEPCO and Rs. 1.0 Cr. each to NHPC & OTPC. We have been receiving correspondences from all the receiving entities. *In 22nd CCM, it was decided that if outstanding was not cleared at the earliest, petition would have to be filed to CERC against defaulting utilities.*

Commercial Committee may discuss and decide.

Deliberations in the Meeting

DGM (MO), NERLDC stated that payment default against deviation charges is creating constraint in timely settlement of pool account. He further stated that huge outstanding of Assam (Rs. 57 crores) and Tripura (Rs. 22 crores) was creating serious problem in pool settlement and NERLDC was not able to release payment to ER pool (Rs 39.1 Cr.) as well as NER receivable utilities (Rs 8.99Cr. to NEEPCO, Rs 1 Cr. each to NHPC& OTPC).

NHPC & NEEPCO representative also stated that while the amounts payable by them are being cleared in timely manner, the receivable amounts due to them have not been released on time.

Following were decided:

- (i) APDCL will release Rs. 5 Crores within one week.
- (ii) APDCL will furnish action plan within 15 days to clear the entire amount with time bound action plan
- (iii) TSECL will furnish action plan within 15 days to clear the entire amount with time bound action plan
- (iv) NERLDC will issue reminder to other defaulters
- (v) If the situation persists, NERLDC will file petition to CERC

8.2 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, 2009. The status of latest outstanding is as below:

Mizoram	: Rs. 36, 57,993/-
Manipur	: Rs. 35, 84,901/-

Defaulting constituents may liquidate outstanding dues at the earliest.

Deliberations in the Meeting

NERLDC intimated that Manipur has cleared the outstanding. All concerned constituents were reminded to clear monthly bills on regular basis and avail rebate.

8.3 Outstanding dues for AMC of SCADA-EMS:

Outstanding overhead charges - dues as on 15/09/2014 are as below:

AEGCL Rs 15, 27,848/-

MeECL Rs 20, 03,309/-

AEGCL and MeECL may liquidate the outstanding dues at the earliest.

Deliberations in the Meeting

All concerned constituents were requested to clear the outstanding dues at the earliest.

8.4 Non-submission of weekly SEM readings by Tinsukia (Assam), Deomali (Ar.Pradesh), Nangalbibra (Meghalaya), Mokokchang (Nagaland) & Rengpang (Manipur).

No change in status despite discussion in several meetings.

SEM at Mokokchang end of 132 kV Doyang-Mokokchang feeder (Meter no. NP-4208-A of secure make) need to be replaced.

Assam / Manipur /Meghalaya / Nagaland /CTU / Ar. Pradesh need to take action.

Deliberations in the Meeting

Discussed at item 8.5

8.5 Status of Procurement of SEMs / Spare availability:

In the 22nd CCM, NERTS stated that *"Further, to meet up any urgent situation / requirement, 35nos. meters of Elster make Energy meters & 10nos. DCDs will be procured. LOA by 30.09.14. Supply by 15.12.14."*

Status of availability of spare SEM and DCD was not furnished in last CCM. Same may be intimated as a minimum level of spare is to be ensured at all times for urgent requirement.

NERTS may furnish spares details and status of procurement.

Deliberations in the Meeting

In the last CC meeting (22nd CCM), decisions taken were as follows:

- (1) Procurement of 250 Nos. Energy meter & 40 Nos. DCD/Laptop (20nos. laptops/notepads & 20nos. DCDs). NERTS informed that it was under process. The laptops/notepads will be provided with necessary serial port/converters but without CD ROM. NERTS informed that delay in procurement occurred as no response has been received from any party regarding the suggested Technical Specification till July'14.

Notice Inviting Tender: 15.11.14, Award: 31.01.15.

- (2) The new Technical Specification incorporates DLMS & COSEM as per requirement of NERLDC and future technical requirements. The Technical Specification was circulated for perusal & comments by all utilities in NER.
- (3) It was also decided to nominate one representative to a committee to study and finalise technical specification and for shortlisting of reliable SEM manufacturers.
- (4) It was also decided to nominate one meter coordinator for any meter related problems including collection of meter reading, time drifts, faulty readings etc.
- (5) NERTS informed that initially each meter coordinator of each state utility / CS station will be provided one number of notepad and later, based on performance, further purchase would be done for other location/substations.
- (6) Further, to meet up any urgent situation / requirement, 35nos. meters of Elster make Energy meters & 10nos. DCDs will be procured. LOA by 30.09.14. Supply by 15.12.14.

The issue of non receipt of SEM reading from many locations was raised by NERLDC. NERLDC reiterated that the issue has been discussed in several meetings but the status remains the same. As agreed in 22nd CCM, utilities were requested to send name of meter coordinator immediately without any further delay so that organization for imparting specific training of concerned officers in the substation, time drift problems and other issues may be taken up/discussed with the coordinator and CTU/NERLDC.

After detail deliberation, the following points were agreed:

- (1) For contingency, further 50 Nos SEMs and 10 DCDs should be procured by POWERGRID, NERTS immediately on repeat order basis without waiting for "Meter Committee's" formal recommendation.
- (2) On procurement of these meters, meters should be there at all locations as identified by NERLDC. Further, meters should be replaced in all locations where there are errors. Target for this should be 31.01.2015.
- (3) On procurement of 35 meters already under process, meters in all locations with time drift more than 5 minutes should be replaced. Target for this should be 31.12.2014.
- (4) Committee (with members already nominated) to immediately finalise meter specification / shortlist suppliers and advise NERTS to go ahead with procurement of 250 SEMs and 40 DCDs/LAPTOPS. Target for this should be 15.01.2015.
- (5) Pre-commissioning check of all meters should be done by NERTS and proper store inventory be maintained by NERTS, Powergrid. Stock position should be submitted to NERLDC/NERPC on monthly basis. **It has been noticed that pre-commissioning check was not being done resulting in multiple problems in newly connected meters. The matter is very serious and should not be repeated.**
- (6) It was reported that no readings were received from Balipara- Bongaigaon, Binaguri-Bongaigaon and also NTPC station (for drawal of start-up power). These Substations/locations should start sending meter readings immediately as proper and correct accounting is not possible in absence of these meter readings. **Non-receipt of meter reading from lines which have been placed under COD recently was viewed seriously.**
- (7) Utilities must report immediately to NERLDC/NERTS as and when time drift is more than 2 minutes. All concerned constituents to submit time drift status as per the format enclosed in 21st CCM so that corrective action could be taken by CTU.
- (8) When stock is ready, all SEMs having time drift problems are to be replaced by Powergrid, NERTS. Target for this should be 31.01.2015.
- (9) Fluctuation/spikes in regional pool loss was highlighted by NERLDC which was mainly due to meter time drift. It was agreed that all these time bound action plans would be adhered to by all concerned to ensure elimination of such errors at the earliest.

8.6 Meter Time Drift:

Serious time drift issues reported from Loktak & RC'Nagar (**Annexure-8.6**). Such high time drifts are resulting in erroneous computation and loss spikes. Time drift exists in other locations also and reports are being collected by NERLDC.

It is proposed that whenever time drift is detected efforts should be made to reset [making the time drift zero] the same immediately and if due to any reason resetting could not be done then wherever time drift is more than 5 minutes the meter may be replaced.

Deliberations in the Meeting

Discussed at 8.5 above.

8.7 Installation of SEM in both ends of all ISTS.

SEM is yet to be installed in following locations:

1. Gelephu end of 132 kV Salakati-Gelephu
2. Jiribam end of 132 kV Jiribam -Badarpur
3. Imphal(PG) end of 132 Dimapur-Imphal(PG)
4. Balipara end of 400 kV Misa-Balipara –I
5. Balipara end of 400 kV Bongaigaon-Balipara –D/C

Deliberations in the Meeting

NERTS informed for the requirement for above meters are already considered under new procurement proposal as discussed earlier under item 8.5

8.8 Malfunctioning of DCD at Tura

SEM reading from Tura is still not being received at NERLDC.

NERTS and MePTCL may intimate status of rectification of Nangalbibra DCD and transmittal of reading to NERLDC.

Deliberations in the Meeting

The issue could not be discussed due to absence of Meghalaya representative.

8.9 Collection of weekly SEM data – AMR

AMR scheme was agreed in principle by Commercial Committee in 22nd meeting. NERTS was to give a presentation on Commercial implication of AMR Scheme. It is necessary to expedite the AMR project for smooth collection of SEM reading.

Commercial Committee may discuss and decide.

Deliberations in the Meeting

Deferred to next CC meeting.

8.10 *Non-availability of meter reading pertaining to crucial Inter-utility lines*

- a. 220 KV Kopili-Misa III : Meter error in Kopili end
- b. 132 KV Balipara-Gohpur line : Meter error in Balipara end

Matter being taken-up with NERTS for quite some time but no action taken till now.

NERTS may give timeframe for addressing the issues.

Deliberations in the Meeting

POWRGRID, NERTS was advised to expedite rectification.

8.11 *Erroneous SEM reading*

While carrying end1-end2 check, errors have been observed in following cases and needs to be attended/rectified:

1. 132 kV Imphal-Ningthoukong (very low reading at Ningthoukong end)
2. 220 kV Misa-Mariani(New) - Misa end reading lower by more than 10%
3. 132 kV Silchar-Badarpur line-2 (Badarpur reading half)
4. Misa ICT 1 (HV/LV 25% mismatch)
5. 132 kV Nirjuli-Gohpur (Low reading at Nirjuli end)

Deliberations in the Meeting

POWRGRID, NERTS was advised to look into the problems urgently.

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

The figures will be tabled in Commercial Committee meeting.

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.

9. Agenda item(s) from OTPC

9.1 *Payment Security Mechanism (Letter of Credit) from beneficiary states of OTPC Palatana Project:*

The beneficiary states of the OTPC Palatana Project are required to provide a payment security mechanism to OTPC as per provisions of the Power Purchase Agreement signed with them. The details of the LC provided by the beneficiary states are as shown below:

	LC Status					
Beneficiary	Power Allocation (MW)	LC Amount provided by Beneficiary State (Rs. In Cr.)	LC Opening Date	LC Valid Upto	Required LC Amount for One units (Rs. In Cr.)	Required LC Amount for 2 units (Rs. In Cr.)
Assam	240	20	6-Dec-13	5-Dec-14	42.24	84.49
Nagaland	27	7.13	10-Apr-14	20-Mar-15	7.13	14.26
Ar. Pradesh	22	11.62	1-Apr-14	31-Mar-15	5.81	11.62
Mizoram	22	5.81	18-Jun-14	7-May-15	5.81	11.62
Manipur	42	3.7 (In process)	(In process at MSPDCL)	(In process at MSPDCL)	11.1	22.2
Tripura	196	18	20-Apr-14	19-Mar-15	34.5	69
Meghalaya	79	Nil	-	-	20.85	41.71

It is evident that only Nagaland, Mizoram and Arunachal Pradesh have provided OTPC the required LC for power supplied from Unit-1 of the Palatana Project. Arunachal Pradesh has already provided the LC equivalent to power supply from both units of the project. As per the provisions of the PPA, the LC provided by the rest of the beneficiary states is not even sufficient for power supplied from Unit-1 of the project. Meghalaya has not provided any payment security mechanism to OTPC despite repeated reminders.

Also as the second unit of Palatana project is going to be commissioned soon, the beneficiary states are requested to update the LC amount equivalent to power supply from both the units of the project at an early date, as per the details provided above.

Deliberations in the Meeting

DGM, OTPC Ltd stated that as per PPA and CERC regulations, LC of requisite amount is to be opened by beneficiaries; otherwise power regulation is to be done on defaulting beneficiaries.

SE (O), NERPC advised OTPC to pursue with the concerned beneficiaries bilaterally.

9.2 Deviation Settlement Methodology and Pool Balancing:

During the 21st Commercial Coordination Committee meeting held on 11th June 2014 at Guwahati, NERPC had given a presentation on Scheduling mismatch in REA and deviation settlement account, Procedure of preparation of deviation settlement account and existing deviation pool adjustment method. In the discussions during the presentation the utilities appreciated the methodology of preparation of deviation account and pool balancing. It was also agreed that inter-regional amount could be kept unaltered while pool balancing. However the matter of keeping capping amount also unaltered was debated and it was decided to check practices of other regions in this regard to take a final view.

As decided in the 21st CC meeting, the practices of the other regions in this matter may be appraised.

Deliberations in the Meeting

It was confirmed that in all the regions, while deviation pool balancing is done, the pool balance including capping amount is kept unaltered, which is the same practice being followed in NER also. It was therefore decided that the present practice being followed for deviation pool balancing will continue.

10. Any other item with permission of the Chair

(1) Allocation of AGTPP Extended Plant:

For convenient scheduling and energy accounting of AGTPP Extended Combined Cycle Plant, NEEPCO was requested to approach Ministry of Power to combine the allocation from AGTPP so that allocation of Open cycle and allocation of combined cycle will remain the same.

11. The next Commercial Coordination Sub-Committee meeting will be held in the month of Feb' 2015. The date and venue will be intimated separately.

It was decided that the next CCM will be hosted by NEEPCO Ltd and it will be held in the month of February 2015. The date and venue will be intimated separately.

List of participants in the 23rd Commercial Committee meeting of the NERPC

SN	NAME OF PARTICIPANT	DESIGNATION	e-mail/ Mobile/ Fax
	ARUNACHAL PRADESH	Not represented	
	ASSAM		
1	K. Goswami	AGM (Comml), APDCL	Kumud_goswami@rediffmail.com/ 09864020019
	MANIPUR		
1	Th.Satyajeet	Accts. Mgr, MSPDCL	08415945818
2	S.Chandradhaja	DGM (Comml.), MSPCL	09862296029
3	I.Saratchandra	Manager, MSPDCL	iromsaratchandra@yahoo.in/ 09856208473
	MEGHALAYA	Not represented	
	MIZORAM	Not represented	
	NAGALAND	Not represented	
	TRIPURA		
1	A.Gan. Choudhuri	DGM (C&T)	ad_comm@rediffmail.com/ 09436139311/0381-2325345
2	U. Debbarma	DGM (SOD)	Uddharan.agt@gmail.com/ 09436462842/0381-2325345
3	Debabrata Pal	Sr. Manager (Comml)	D_pal1966@rediffmail.com/ 9436500244/0381-2325345
4	Mrinal Paul	Mgr.(SOD)	Mrinalpaul/ 09436137022/0381-
	NEEPCO		
1	Rana Bose	Sr. Manager (Fin.)	Rana_09@rediffmail.com/ 9436632123/ 0364-2225035
	NHPC		
1	Parag Saxena	CE (Comml)	parags@nhpc.nic.in/ 0852756377/0129-2256035
2	T.Nimai Singh	Mgr (E)	Tnimai_singh@yahoo.in/ 09436894868/03879-261740
	NTPC		
1	Raktim Bargohain	AGM (Comml)	raktimborg@gmail.com/ 9435720128/0361-2238302

Annexure - A

SN	NAME OF PARTICIPANT	DESIGNATION	e-mail/ Mobile/ Fax
OTPC			
1	Arup Ch. Sarmah	DGM (Comml)	Arupc.sarmah@otpcindia.in/09871839502
2	Chetan Jain	Engineer (Com)	Chetan.jain@otpcindia.in/09811977564
NERTS (Powergrid)			
1	P. C. Bhagawati	Asst. GM (Comml.)	bhagawati1956@gmail.com /9436302809
NERLDC			
1	T. S. Singh	GM	tssingh@rediffmail.com/9436302717
2	R. Sutradhar	DGM	rajib_shg@hotmail.com/rajib_1965@yahoo.com /9436302714
NETC			
1	N. Chakraborty	Asst. Mgr	narottamchakraborty@netcindia.in/07896022335
2	Utpal Saha	Engineer	utpalsaha@netcindia.in/08794704040
NERPC			
1	B. Lyngkhai	Dir./SE	b_lyngkhai@yahoo.com /+919436163419
2	Lalrinsanga	Asst. Secretary	lhrengsa@yahoo.com /+919436161886 /0364-2520030
3	S. M. Aimol	Ex. Engineer (C)	shialloa@yahoo.com /+918974002106



Presentation in 23rd. CCM at Agartala

**Power System Operation Corporation Ltd
North Eastern Regional Load Despatch Centre
Shillong**

Special Energy Meters in India

Region wise no of meters and Location is as below:

Region	No of Location	No of Meters
1. ER	128	707
2. NER	63	260
3. NR	264	1565
4. SR	122	782
5. WR	136	1104
All India	713	4418

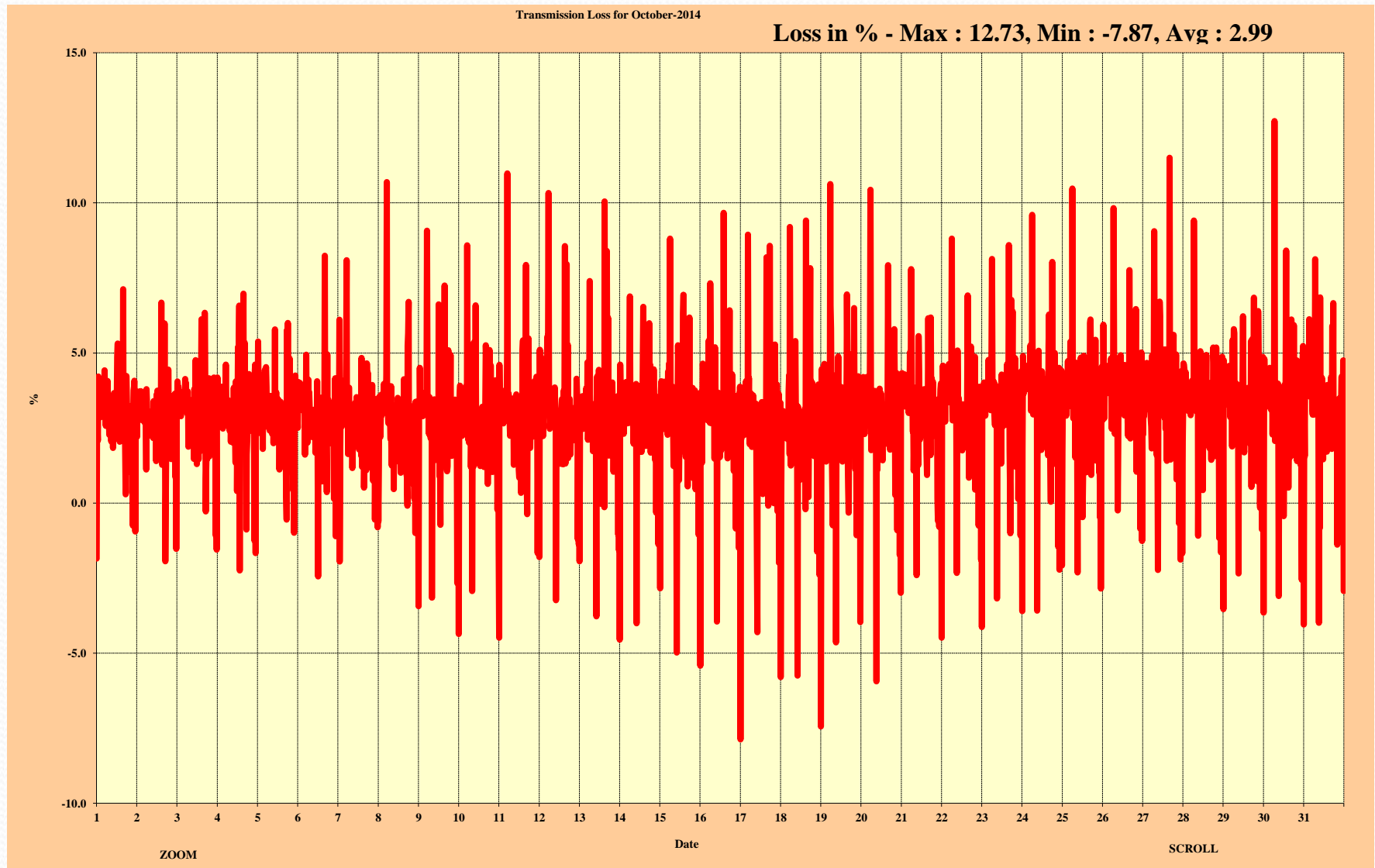
Scheduling Loss Percentage for NER Transmission System

Week	FROM DATE	TO DATE	Web Upload Date	SEM LOSS %	APPLICABLE PoC LOSS %		
					High	Normal	Low
1	31 03 2014	06 04 2014	27 03 2014	4.3	2.45	2.15	1.85
2	07 04 2014	13 04 2014	04 04 2014	4.0	2.30	2.00	1.70
3	14 04 2014	20 04 2014	11 04 2014	3.2	1.90	1.60	1.30
4	21 04 2014	27 04 2014	18 04 2014	3.1	1.85	1.55	1.25
5	28 04 2014	04 05 2014	25 04 2014	3.3	1.95	1.65	1.35
6	05 05 2014	11 05 2014	02 05 2014	2.8	1.70	1.40	1.10
7	12 05 2014	18 05 2014	09 05 2014	3.4	2.00	1.70	1.40
8	19 05 2014	25 05 2014	16 05 2014	4.8	2.70	2.40	2.10
9	26 05 2014	01 06 2014	23 05 2014	3.9	2.23	1.93	1.63
10	02 06 2014	08 06 2014	30 06 2014	3.2	1.89	1.59	1.29
11	09 06 2014	15 06 2014	06 06 2014	3.2	1.90	1.60	1.30
12	16 06 2014	22 06 2014	13 06 2014	3.3	1.95	1.65	1.35
13	23 06 2014	29 06 2014	20 06 2014	3.5	2.05	1.75	1.45

26	22 09 2014	28 09 2014	19 09 2014	3.0	1.80	1.50	1.20
27	29 09 2014	05 10 2014	26 09 2014	3.3	1.95	1.65	1.35
28	06 10 2014	12 10 2014	01 10 2014	4.0	2.30	2.00	1.70
29	13 10 2014	19 10 2014	10 10 2014	3.0	1.80	1.50	1.20
30	20 10 2014	26 10 2014	17 10 2014	2.8	1.70	1.40	1.10
31	27 10 2014	02 11 2014	22 10 2014	2.8	1.70	1.40	1.10
32	03 11 2014	09 11 2014	29 10 2014	3.3	1.95	1.65	1.35
33	10 11 2014	16 11 2014	07 11 2014	3.2	1.90	1.60	1.30
34	17 11 2014	23 11 2014	14 11 2014	3.1	1.85	1.55	1.25
35	24 11 2014	30 11 2014	21 11 2014	3.3	1.95	1.65	1.35

PoC order

Computed loss block-wise



NER ISTS Loss profile : October, 2014

Metering issues

Spikes in loss due to SEM time drift

8.6 Meter Time Drift:

Serious time drift issues reported from many stations. Such high time drifts are resulting in erroneous computation and loss spikes. Time drift exists in other locations also and reports are being collected by NERLDC.

It is proposed that whenever time drift is detected efforts should be made to reset [making the time drift zero] the same immediately and if due to any reason resetting could not be done then wherever time drift is more than 5 minutes the meter may be replaced.

Time drift : Kathalguri

Time adjustment of SEMs all 16 numbers to that at NERLDC website/IST

Plan for SEM time
adjustment

Meter SI No	Unit	Date: 21/10/2014	Standard Clock Synchronised to Internet Clock	SEM Time	Deviation	28/10/2014	6/10/2014
NP-5778-A	Line # 4- II(Tinsukia - II)	TIME RTRD BY 1 MIN	11:55:20	11:56:28	0:01:08	RTD 1 MIN	
NP-5786-A	Line # 4-I (Tinsukia - I)	TIME RTRD BY 1 MIN	11:55:10	11:57:17	0:02:07	RTD 1 MIN	RTD 1 MIN
NP-5787-A	Line # 3 (Deomali)	TIME RTRD BY 1 MIN	11:55:00	11:57:00	0:02:00	RTD 1 MIN	RTD 1 MIN
NP-5785-A	Line # 2	TIME RTRD BY 1 MIN	11:54:50	11:56:00	0:01:10	RTD 1 MIN	
NP-5784-A	Line # 1	TIME RTRD BY 1 MIN	11:54:40	11:55:47	0:01:07	RTD 1 MIN	
NP-5789-A	Stn Tr # 1	TIME RTRD BY 1 MIN	11:54:30	11:55:30	0:01:00	RTD 1 MIN	
NP-5791-A	Stn Tr # 2	TIME RTRD BY 1 MIN	11:54:20	11:55:14	0:00:54	RTD 1 MIN	
NP-5804-A	GT # 1	TIME RTRD BY 1 MIN	11:54:10	11:55:08	0:00:58	RTD 1 MIN	
NP-5820-A	ST # 1	TIME RTRD BY 1 MIN	11:54:00	11:55:31	0:01:31	RTD 1 MIN	RTD 1 MIN
NP-5805-A	GT # 2	TIME RTRD BY 1 MIN	11:53:50	11:55:29	0:01:39	RTD 1 MIN	RTD 1 MIN
NP-5806-A	GT # 3	TIME RTRD BY 1 MIN	11:53:40	11:55:18	0:01:38	RTD 1 MIN	RTD 1 MIN
NP-5822-A	ST # 2	TIME RTRD BY 1 MIN	11:53:30	11:54:57	0:01:27	RTD 1 MIN	
NP-5807-A	GT # 4	TIME RTRD BY 1 MIN	11:53:20	11:55:18	0:01:58	RTD 1 MIN	RTD 1 MIN
NP-5818-A	GT # 5	TIME RTRD BY 1 MIN	11:53:10	11:55:02	0:01:52	RTD 1 MIN	RTD 1 MIN
NP-5823-A	ST # 3	TIME RTRD BY 1 MIN	11:53:00	11:55:07	0:02:07	RTD 1 MIN	RTD 1 MIN
NP-5819-A	GT # 6	TIME RTRD BY 1 MIN	11:52:50	11:54:58	0:02:08	RTD 1 MIN	RTD 1 MIN

Prepared on 21/10/2014

[Signature]
22/10/2014

Time drift : Khandong

TIME DRIFT REPORT OF SEM
LOCATION : Khandong Power Plant
Responsibility : Khandong

Date : 03/11/2014

Sl.no	Location	Meter no.	Standard Time (Hrs.)	Meter Time (Hrs.)	Drift - Advance / Retard (in minute)	REMARKS
1	Kopili Fdr-II	NP-6882-A	10:50	10:50	0:00	O.K.
2	Khlt-II	NP-5774-A	10:50	10:50	0:00	O.K.
3	Khlt-I	NP-5809-A	10:51	10:51	0:00	O.K.
4	Khd U # I	NP-5779-A	10:52	10:52	0:00	O.K.
5	Khd U # II	NP-6153-A	10:52	10:52	0:00	O.K.
6	Kopili Fdr-I	NP-5773-A	10:53	10:53	0:00	O.K.
7	16Mva X'er	NP-5775-A	10:53	10:53	0:00	O.K.
8	Haflong Fdr	NP-5780-A	10:53	10:53	0:00	O.K.
9	SST-I	NP-5783-A	10:53	10:53	0:01	O.K.
10	P/S-I (Old)	NP-5781-A	10:54	10:54	0:00	O.K.
11	Kop.Stage-II	NP-5810-A	10:54	10:54	0:00	O.K.
12	SST-II	NP-5776-A	10:55	10:56	0:01	Adv.
13	P/S-I (New)	NP-6154-A	10:55	10:55	0:00	O.K.
14	7.5Mva X'er	NP-6155-A	Presently not in service			

Standard time recorded from Satellite link

Time drift of all SEM meters are sent for calculation of UI account (deviation charges).

Ranjit Kr. Debnath
 SHIFT IN-CHARGE
 KHANDONG P S

Time drift : RHEP

TIME DRIFT REPORT OF SEM

LOCATION : RHEP, NEEPCO Ltd, Arunachal Pradesh

DATE:14/11/2014

RESPONSIBILITY : NEEPCO

SL NO.	METER NO.	METER LOCATION (CONNECTED IN)	STANDARD TIME*	METER TIME	DRIFT- ADVANCE / RETARD (IN MINUTES)	REMARKS
1	NP-5792-A	132KV ITANAGAR FEEDER	15:32:32 Hrs	15:32:35 Hrs	RETARD 3 (Three) sec	
2	NP-5278-A	132KV ALANG FEEDER	15:32:47 Hrs	15:32:26 Hrs	RETARD 21 (Twenty one) sec	
3	NP-5815-A	132KV/33KV STATION TRANSFORMER II	15:32:53 Hrs	15:33:03 Hrs	ADVANCE 10 (Ten) Sec	
4	NP-5276-A	132KV/33KV STATION TRANSFORMER I	15:32:57 Hrs	15:33:17 Hrs	ADVANCE 20 (Twenty) sec	
5	NP-5277-A	135 MW GENERATOR I	15:33:05 Hrs	15:32:49 Hrs	RETARD 16 (Sixteen) Sec	
6	NP-5813-A	135 MW GENERATOR II	15:33:10 Hrs	15:32:55 Hrs	RETARD 15(Fifteen)Sec	
7	NP-5814-A	135 MW GENERATOR III	15:33:16 Hrs	15:32:46 Hrs	RETARD 30(THIRTY) Sec	
8	NP-5817-A	400KV BDTL FEEDER - II	15:33:26 Hrs	15:33:29 Hrs	ADVANCE 3(Three) Sec	
9	NP-6033-A	400KV BDTL FEEDER - I	15:33:36 Hrs	15:34:17 Hrs	ADVANCE 41 (Forty One) Sec	
10	NP-7664-A	33KV PARE FEEDER	12:38:35 Hrs	12:38:16 Hrs	RETARD 19(Nineteen) Sec	
11	NP-5816-A	132 KV/400 KV AUTO TRANSFORMER I	12:37:24 Hrs	12:37:35 Hrs	ADVANCE 11 (Eleven)Sec	
12	NP-5275-A	132 KV/400 KV AUTO TRANSFORMER I	12:37:11 Hrs	12:36:49 Hrs	RETARD 22 (Twenty Two)Sec	

* STANDARD TIME IS TAKEN FROM GPS INSTALLED AT CONTROL ROOM

[Signature]
17/11/14

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15/11/2014

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14/11/14
(SIGNATURE)

NAME: Suman Das
DESIGNATION: Deputy Manager(E/M)
UTILITY: Shift-In-Charge, Team C
MOBILE NO: 9436248356

Time drift : Doyang

TIME DRIFT REPORT OF SEM

LOCATION : DOYANG

DATE:18/11/14

RESPONSIBILITY :

SL NO.	METER NO.	METER LOCATION (CONNECTED IN)	STANDARD TIME*	METER TIME	DRIFT- ADVANCE / RETARD (IN MINUTES)	REMARKS
1	5826	2.5MVA(station)	11:57	11:58	+1	Advance
2	5768	U#I	11:57	12:03	+6	Advance
3	5803	U#II	11:57	12:05	+8	Advance
4	5827	U#III	11:57	12:04	+7	Advance
5	5770	D.D-I	11:57	12:06	+9	Advance
6	5794	D.D-II	11:57	12:08	+11	Advance
7	5772	MKG	11:57	12:05	+8	Advance
8	5279	Kohima	11:57	12:08	+11	Advance
.						Advance

* STANDARD TIME CAN BE FROM ANY RELIABLE SOURCE (GPS)

(SIGNATURE)

NAME:W.M Humtseo
DESIGNATION: A.E,Shift I/C
UTILITY
MOBILE NO.9402482283

Time drift : R C Nagar

TIME DRIFT REPORT OF SEM

LOCATION : R. C. NAGAR

DATE: 15/11/2014

RESPONSIBILITY : AGTPP, NEEPCO

SL NO.	METER NO.	METER LOCATION (CONNECTED IN)	STANDARD TIME*	METER TIME	DRIFT- ADVANCE / RETARD (IN MINUTES)	REMARKS
1	NP-6852-A	STN X-FORMER - 2	16:15	16:07	08	Retard by 08 mins
2	NP-6853-A	STN X-FORMER - 1	16:15	16:10	05	Retard by 05 mins
3	NP-6854-A	LINE - 1	16:15	16:10	05	Retard by 05 mins
4	NP-6855-A	LINE - 2	16:15	16:10	05	Retard by 05 mins
5	NP-6856-A	LINE - 3	16:15	16:08	07	Retard by 07 mins
6	NP-6857-A	GTG - 1	16:15	16:13	02	Retard by 02 mins
7	NP-6858-A	GTG - 2	16:15	16:15	00	—
8	NP-6859-A	GTG - 3	16:15	16:13	02	Retard by 02 mins
9	NP-6864-A	GTG - 4	16:15	16:13	02	Retard by 02 mins

* STANDARD TIME CAN BE FROM ANY RELIABLE SOURCE (GPS)

(SIGNATURE)
NAME: Mr. S. DEB
DESIGNATION: Manager (E/M)
UTILITY: AGTPP, NEEPCO
MOBILE NO. +91 9436137308

Time drift : Loktak

TIME DRIFT REPORT OF SEM

LOCATION : LOKTAK POWER STATION

DATE: 14.11.2014

RESPONSIBILITY : PGCIL

SL NO.	METER NO.	METER LOCATION (CONNECTED IN)	STANDARD TIME (HH:MM:SS)	METER TIME (HH:MM:SS)	DRIFT- ADVANCE / RETARD (HH:MM:SS)	REMARKS
1	NP-6910-A	Loktak Imphal # 2 Feeder	15:43:00	15:55:03	00:12:03 (Advance)	Standard Time reference has been taken from GPS Time
2	NP-7600-A	Loktak Imphal # 1 Feeder	15:44:00	15:53:52	00:09:52 (Advance)	
3	NP-7601-A	Loktak Jaribam # 1 Feeder	15:47:00	15:54:51	00:07:51 (Advance)	
4	NP-6934-A	Loktak Jaribam # 2 Feeder	15:48:00	15:58:59	00:10:59 (Advance)	
5	NP-6952-A	Unit # 1	17:15:00	17:24:20	00:09:20 (Advance)	
6	NP-6905-A	Unit # 2	15:46:00	15:58:21	00:12:21 (Advance)	
7	NP-6933-A	Unit # 3	17:12:00	17:21:41	00:09:41 (Advance)	
8	NP-5317-A	5 MVA, 132/11 kV Transformer at Swithyard	17:17:00	17:29:15	00:12:15 (Advance)	



(SIGNATURE)

NAME: MD Sajid Akhter
 DESIGNATION : Dy. Manager (E&C)
 UTILITY : Loktak Power Station
 MOBILE NO. : 09402880205

Loss spikes

Why utilities are allowing meters to drift so much?

Time should be checked regularly and time advance-retard command is to be given whenever a drift of more than one minute is observed.

All concerned to follow the procedure to avoid large time drift

Matter has been highlighted by NERLDC on many occasions

Metering issues –agenda items

2.3 Nomination of a meter coordinator and a representative to committee to finalise technical specifications and shortlist SEM manufacturer:

In the 22nd CCM, it was decided to nominate one coordinator from each utility for any meter related issues. It was also decided to form a committee comprising of members from NER utilities, NERPC Secretariat and NERLDC to study and finalize the technical specifications and identify and shortlist efficient and reliable SEM manufacturers. In this regard, NHPC, AEGCL & NERLDC have submitted nominations. Other constituents are requested to send their nomination at the earliest.

7.3 Confirmation of TS of new meter procurement by all constituents:

Draft TS for new meter procurement was circulated as Annexure - 4.5 of MOM, 22nd CCM. All Constituents may kindly confirm the same in line with point 4.5 under deliberations in the meeting of MOM, 22nd CCM for urgent procurement of 250nos. of meters & 40nos. DCDs/Laptops. TS to be finalized to expedite procurement process without further delay.

Metering issues – agenda items

8.5 Status of Procurement of SEMs / Spare availability:

In the 22nd CCM, NERTS stated that *“Further, to meet up any urgent situation / requirement, 35nos. meters of Elster make Energy meters & 10nos. DCDs will be procured. LOA by 30.09.14. Supply by 15.12.14.”*

Status of availability of spare SEM and DCD was not furnished in last CCM. Same may be intimated as a minimum level of spare is to be ensured at all times for urgent requirement.

NERTS may furnish spares details and status of procurement.

Metering issues – agenda items

8.7 Installation of SEM in both ends of all ISTS.

SEM is yet to be installed in following locations:

1. Gelephu end of 132 kV Salakati-Gelephu
2. Jiribam end of 132 kV Jiribam -Badarpur
3. Imphal(PG) end of 132 Dimapur-Imphal(PG)
4. Balipara end of 400 kV Misa-Balipara –I
5. Balipara end of 400 kV Bongaigaon-Balipara –D/C

9.10 *Non-availability of meter reading pertaining to crucial Inter-utility lines*

- a. 220 KV Kopili-Misa III : Meter error in Kopili end
- b. 132 KV Balipara-Gohpur line : Meter error in Balipara end

9.11 Erroneous SEM reading

While carrying end1-end2 check, errors have been observed in following cases and needs to be attended/rectified:

1. 132 kV Imphal-Ningthoukong (very low reading at Ningthoukong end)
2. 220 kV Misa-Mariani(New) - Misa end reading lower by more than 10%
3. 132 kV Silchar-Badarpur line-2 (Badarpur reading half)
4. Misa ICT 1 (HV/LV 25% mismatch)
5. 132 kV Nirjuli-Gohpur (Low reading at Nirjuli end)

Metering issues - violations

Sheikh Shadrudin

To Arup Bhattacharya Os ner Shillong ajoy patir P Kanungo tssingh

CC Boni Dhananjay me Pritom Nath

Nov 21 at 4:19 AM

Sir,

NTPC is drawing start-up power since 2nd November'14 but till date SEM data neither from NTPC end nor from Bongaigaon end received at NERLDC.

**Status of energy accounting of the start-up power drawal of NTPC :
Unaccounted.**

This is for your information.

Metering issues - violations

NERLDC(Market Operation)----- Forwarded message -----

Subject: Accounting of ER-NER transaction on 15.10.14 and 16.10.14 To: nerldc <nerldc To Os ner Shillong BONGAIGAON S/S me t s singh KANUNGO_P@yahoo.com and 1 more...

Nov 21 at 1:54 AM

----- Forwarded message -----

From: **erldc kolkata** <erldc@hotmail.com>

Date: Fri, Nov 21, 2014 at 2:19 PM

Subject: Accounting of ER-NER transaction on 15.10.14 and 16.10.14

To: nerldc <nerldc1@hotmail.com>, NERLDC <nerldc1@sancharnet.in>, NERDC GMAIL <nerldc1@gmail.com>, "nerldc@yahoo.co.in" <nerldc@yahoo.co.in>

Sir,

Till now BongaiGaon end SEM data of Binaguri Line-4 & 3 is not received. Also SEM data of Binaguri end of Line-4 is not correct wef 16:30 Hrs of 15.11.14 till 16.11.14.

How to account ER-NER Transaction in such case. It has to be finalized.

Metering issues - violations

CTU-NERTS activities ; Storage of meters at Misa, Instalation of meters, pre-commissioning checks

Lack of co-ordination is resulting in many avoidable issues.

All necessary pre-installation checks should be done by NERTS before installation of new meters in absence of which number of problems are being encountered after receiving readings.

In Bongaigaon-Binaguri D/C new lines, reading of Bongaigaon shows negative polarity.

Activities fall far short of expectation. NERTS needs to urgently streamline the activity.

Proposed time bound resolutions

For spare meters,DCDs and installation in locations where meters are not available :

NERTS may be given go-ahead to procure another lot of 50 SEMs and 10 DCDs on repeat order immediately within one month.

There should be meters everywhere as per advice of NERLDC within 2 months (31.01.2015).

Regarding Time drift :

NERTS should replace meters in all locations where drift is more than 5 minutes. List will be updated by NERLDC. This activity is to be completed within one month (by 31.12.2014) on procurement of 35 SEMs as per Item 8.5 of agenda.

NERTS to furnish action plan to NERPC for L&T as well as Elster meters within 15 days (15.12.2014).

All concerned utilities where meters are installed should provide time advance-retard command so that such large drift does not take place.

Procurement of 250 SEMs and 40 DCDs :

NERPC should clear technical specs and issue regarding shortlisting suppliers within 15 days (15.12.2014) so that NERTS can go ahead with procurement.

Proposed time bound resolutions

Regular maintenance of meters in Store at Misa, installation, replacement of meters, softwares etc:

NERTS need to streamline, respond to the situations quickly, any laxity will not be allowed. Meters are to be installed after pre-commissioning checks.

SEM reading for Balipara-Bongaigaon, Bongaigaon-Binaguri and BTPS-NTPC

Readings must reach NERLDC by 27.11.2014 (first time) and regularly thereafter.

General decision on all metering issues

What will be course of action if deadlines are not adhered to...

Special meeting exclusively on metering issues ensuring participation of all.....

Petition in CERC against defaulters....

Target :

Smooth loss curve of the Region without any spikes (by 31.01.2014)

Open cycle generation of AGBPP from 01.04.2009 to 31.07.2013: -

Financial Year 2009 -2010	
Month	Open cycle generation percentage
August 2009	0.42 %
Financial Year 2010 -2011	
Month	Open cycle generation percentage
November 2010	2.95 %
December 2010	9.96 %
Financial Year 2011 -2012	
Month	Open cycle generation percentage
August 2011	2.66 %
September 2011	13.26 %
October 2011	11.20 %
November 2011	11.86 %
December 2011	16.67 %
January 2012	23.31 %
February 2012	18.85 %
March 2012	21.44 %
Financial Year 2012 -2013	
Month	Open cycle generation percentage
April 2012	33.76 %
May 2012	19.16 %
June 2012	15.63 %
July 2012	19.83 %
Financial Year 2013 -2014	
Month	Open cycle generation percentage
May 2013	2.92 %
June 2013	17.29 %
July 2013	23.75 %