

## North Eastern Regional Power Committee

### **MINUTES OF 11<sup>th</sup>. Metering Committee meeting**

**Date** : 17/12/2015 (Friday)

**Time** : 14:00 hrs

**Venue** : "Hotel Gateway Grandeur", Guwahati.

The List of Participants in the Meeting is attached at **Annexure - I**

Sh. P.K. Mishra, Member Secretary, requested Shri B. Lyngkhoi, Director/SE(O) to take up the agenda item of metering.

#### **Follow-up items:**

1. **Urgent procurement of 50 SEMs and 10 DCDs on Single Tender basis as approved in 24<sup>th</sup> CCM and installation in identified locations:**

During 10th MM, NERTS representative informed that installation in most of the locations has been done and entire activity will be completed shortly. As agreed earlier, all the 25 SEMs with large drift will be sent to L&T works for rectification. Metering Committee decided that while carrying out rectification at L&T works, the meters will be made "Software based time synchronization" enable by removing hardware lock. NERTS will take-up with L&T accordingly.

#### **Deliberation of the sub-Committee**

DGM (AM), POWERGRID-NERTS informed that approval for repairing of meters has already been accorded. He stated that 25 nos. SEM (L&T) make have already been received by them and these would be sent for time correction.

After detailed deliberation, the Sub-committee decided that first lot of around 25 SEMs will be sent for repairing immediately and NERTS will depute suitable officer for handing these meters personally to the factory and at the same time the forum requested M/s L&T representative to take proactive action with their manufacturing plant to help in repair these meters at the shortest possible time.

It was also decided that NERTS will purchase 10 nos. of Optical to USB cord from M/S L&T immediately and collect while repairing SEMs at L&T works. These will be given to priority locations for direct data download from SEM to Laptop. Subsequently, around 50 nos. cords will be procured for giving to all locations.

EE, SLDC MePTCL informed that DCDs at Umtru, Killing & Nangabibra are not working. He requested NERTS to spare one DCD so that reading can be taken.

NERTS agreed and the same will be handed over to MePTCL soon.

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

## **2. Procurement of 250 SEMs/60 Laptops:**

In the 10<sup>th</sup> Metering Committee meeting, it was decided that in order to meet the urgent requirement of SEMs in the region NERTS will arrange dispatch of meters in batches of small quantities as and when manufactured/type-tested.

### **Deliberation of the sub-Committee**

DGM (AM), POWERGRID-NERTS stated that schedule for procurement (250 meters) are as under:

Floating of NIT	:	<b>02.11.2015</b>
Opening of Bid Document	:	<b>1st week of January, 2016</b>
Issue of LOA	:	<b>2<sup>nd</sup> week of February, 2016</b>

The Sub-committee requested NERTS to modify the NIT since the forum decided that 20 DCDs are no longer required and instead 20 Laptops should be procured in place of DCDs. DGM (AM), NERTS informed that they will look into the matter and will revert back to NERPC/NERLDC soon.

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

## **3. Installation, operation and maintenance of SEMs and accessories:**

It was decided that metering co-ordinator of each utility is to be identified. NERPC would take up the matter separately with each of the constituents.

### **Deliberation of the sub-Committee**

SE(O), NERPC informed that as decided during the 27<sup>th</sup> CC Meeting, following are officers who have been nominated for meter coordination.

SL No.	Organization	Name & Designation	Contact Details
1	Ar. Pradesh	Nangkong Perme, EE, SLDC	09436288643
2	Assam	J. K. Baishya, AGM, SLDC	09435041494
3	Manipur	N. Romeo Singh, Dy Mgr, SLDC	09612657280
4	Meghalaya	T. Gidon, EE, SLDC	09774479956
5	Mizoram	Vanlalrema, SE, SLDC	09436140353

6	Nagaland	A. Jakhalu, EE (Trans)	09436002996
7	Tripura	D. Pal, Sr. Mgr	09436500244
8	NEEPCO	B. Majumdar, DM, RHEP	09612079362
		Sudip Das, DM, Kopili HEP	09401237613
		Ashim Sharma, DM, Khandong HEP	09435078860
		Bendang, Mgr. Doyang HEP	09862769848
		D. Goswami, Sr. Mgr. AGBPP	09435577655
		Prasenjit Sen, Sr. Mgr, AGTPP	09436167999
9	NHPC (Loktak)	Md. Sajid Akhtar, Mgr	09436678603
10	OTPC (Palatana)	N. Gupta, Mgr	09774233426
11	NTPC (Bongaigaon)	J. Bhattacharya, AGM	09435720036
12	NERLDC	Babul Roy, Mgr	09436335377
13	NERTS, PGCIL	Supriyo Pal, Mgr	09436302995

It was decided that the above officers will be contacted for any metering issues and necessary action is to be taken by them.

*The sub-committee noted as above.*

#### 4. Time Drift in Meters & action required:

It was decided that all utilities in whose premises meters are located will carry out time correction activity through DCD as and when needed.

In view of time drift in SEMs of many locations as observed by spikes in loss, it was felt that a record of time drift in all SEMs of the Region is required. On request, NERTS agreed to compile Meter Time Vs Standard time of all meters of the Region as per simple format below:

<b>Meter No.</b>	<b>Location</b>	<b>Meter Time</b>	<b>Standard Time</b>	<b>Drift in minutes</b>
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The time can be recorded while collecting weekly SEM data and it can be a handwritten report also. The objective is to get a status of time drift in all SEMs.

NERTS stated that the activity would be completed by 30.11.2015.

Metering Committee decided that, after this activity, large drifted SEMs will be sent to L&T in batches and as decided in Item no.1, these meters would be made "Software based time synchronisation" enable.

NERTS has submitted the report pertaining to POWERGRID substations only. From the report, very large drift ranging from 4 to 18 minutes have been observed in almost all locations.

**Deliberation of the sub-Committee**

The forum appreciated NERLDC for conducting the seminar on metering. During the workshop, steps to set right the L&T meter time drift has been shown to the members.

**Time correction option through DCD (L&T) one minute at a time**

**Simple three step process.**

1. Press "P" in DCD
2. Enter password "XMISSION"
3. Press "A" or "R" for time advance / retard

**After this, SEM should be kept powered ON for 90 minutes.**

**No further correction possible in next 7 days.**

Metering Committee expressed serious concern about large time drift in SEMs of almost all POWERGRID locations. It was noted that accuracy of accounting is being compromised by such time drift. As decided in last Metering Committee meeting, NERTS was requested to furnish time drift status report of locations of States also by 31.12.2015. This would enable getting a complete picture and plan can be chalked out to replace large drifted SEMs.

Metering Committee requested POWERGRID to carry out testing of SEMs at accredited test lab every five years as per CEA Metering Regulations. DGM(AM), NERTS stated that this would be possible after procurement of next lot of meters as there is no spare available to carry out the testing.

The forum requested M/s L&T to give the offer regarding exchanging the old meters with new meters so that further necessary action can be taken up.

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

**5. AMR scheme was agreed in principle by 24<sup>th</sup>. Commercial Committee.**

It was informed in 10<sup>th</sup>. Meeting that the revised cost of the scheme is Rs. 2 Crores (appx.) and schedule is as below:

Floating of NIT	: 30.10.2015
Opening of Bid Document	: 30.11.2015
Issue of LOA	: End December, 2015

**Deliberation of the sub-Committee**

DGM (AM), NERTS informed that the current status as below:

Floating of NIT : 15.01.2016

Opening of Bid Document : 16.02.2016

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

**6. Installation of SEMs at Surjyamaninagar-South Comilla lines**

It was agreed that CTU would do the needful for installation of SEM at both ends. NERLDC has already sent advice to CTU in this regard.

**Deliberation of the sub-Committee**

DGM (AM), NERTS informed that the SEMs have been installed only in Indian side.

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

**7. Metering issues:**

1. Delayed receipt of SEM data from Dimapur(PG)
2. Reverse polarity in case of Imphal-Ningthoukhong
3. 132 KV Silchar-Badarpur-II – Badarpur reading half
4. 132 KV Badarpur-Kolasib – Error in Kolasib end reading
5. 132 KV Palatana-Udaipur – Udaipur end reading 2/3<sup>rd</sup> of other end
6. Non receipt of reading from Nangalbibra, Deomali, Rengpang
7. Pavo end meter of BNC 132 KV line-2 showing no. **NA-4495-A**
8. Error in Bongaigaon end SEM of 400 KV Binaguri-Bongaigaon –III

**Deliberation of the sub-Committee**

DGM (AM), NERTS informed the forum the status as below:

1. Delayed received of SEM data at Dimapur- Action taken
2. Reversed Polarity – Resolved (NERLDC may kindly check)
3. Badarpur reading – Checked on 27.11.15 & found OK. (NERLDC may check MF)
4. Error in Kolasib – Due to T-connection. Now resolved as line is restored.
5. Udaipur Reading – by 18.12.2015
6. Non receipt – DCD already handed to these locations- One DCD for MePTCL

7. BNC Meter – Faulty meter will be sent to L&T and to be replaced soon.
8. Error in Bongaigoan – Parallel meter to be installed by 18.12.15

NEEPCO informed that time drift meters at Kopili & Khandong need to be corrected and requested NERTS to look into the matter. Also they informed that laptops are not available for downloading the data.

DGM, OTPC also informed that some SEMs at their end is drifted by more than 10 minutes and requested NERTS to look into the matter at the earliest.

All the members agreed to the issue that laptops in most locations are not available for downloading the data.

***The Sub-committee suggested that once the 60 laptops are procured the same will be handed over to the constituents. Regarding time drift meters as already discussed in item -1, the 25 meters once repaired will be installed in those critical locations.***

DGM (AM) informed that NERTS is helping to carry out the data downloading for Dimapur – Bokajan link. He requested that on providing DCD, State should carry out the activity on its own.

It was agreed that this would be an agenda in next Metering Committee meeting where the issue would be discussed/resolved.

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

#### **Date and Venue of next MM**

It is proposed to hold the 12<sup>th</sup> Metering meeting of NERPC in the second week of January, 2016. The exact venue will be intimated in due course.

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**Annexure-I**

**List of Participants in the 11<sup>th</sup> Metering Meeting held on 17/12/2015**

SN	Name & Designation	Organization	Contact No.
	<b>No Representative</b>	<b>Ar. Pradesh</b>	
1.	Sh. Ashutosh Bhattacharjee, Dy. Manager	Assam	09435332928
2.	Sh. B.C. Borah, AGM, SLDC	Assam	09435119248
3.	Ms. Laishram Ritu, Manager, SLDC	Manipur	09612882984
4.	Ms. Khoisnam Steela, Manager (E)	Manipur	08730831103
5.	Sh. T. Gidon, EE, SLDC	Meghalaya	-
6.	Sh. K. Myrthong, Asst. Engineer, SLDC	Meghalaya	-
7.	Sh. P. Nonglong, AE, MRT, MePTCL	Meghalaya	-
8.	Sh. Lalduhawma, EE, SLDC	Mizoram	09436144113
	<b>No Representative</b>	<b>Nagaland</b>	
	<b>No Representative</b>	<b>Tripura</b>	
9.	Sh. T.S. Singh, GM	NERLDC	-
10.	Sh. Amaresh Mallick, DGM (SO-II)	NERLDC	09436302720
11.	Sh. R. Sutradhar, DGM (MO)	NERLDC	09436302714
12.	Sh. B.K. Chakraborty, DGM (E)	NEEPCO	09436309730
13.	Sh. Bhaskar Goswami, Sr. Manager (E/M)	NEEPCO	09436163983
14.	Sh. A. Patir, GM (AM)	PGCIL	09436302529
15.	Sh. P. Kanungo, DGM (AM)	PGCIL	09436302823
16.	Sh. P. Karthik, Engineer	PGCIL	09435568957
17.	Sh. Suraj Kumar Gupta, Engineer (E)	NHPC	09402880218
18.	Sh. Tapash Karmakar, AM (Electronic)	OTPC	09435239314
	<b>No Representative</b>	<b>NTPC</b>	
	<b>No Representative</b>	<b>ENICL</b>	
19.	Sh. P.K. Mishra, MS	NERPC	
20.	Sh. B.Lyngkhoi, Director/S.E (O)	NERPC	09436163419
21.	Sh. S. Mukherjee, AD-I/AEE	NERPC	08794277306
22.	Sh. Shaishav Ranjan, AD-II/A.E	NERPC	08794276168