

North Eastern Regional Power Committee

AGENDA OF 29th Metering Committee meeting

Date : 21/07/2017 (Friday)
Time : 14:00 hrs
Venue : "Hotel Nandan"Guwahati.

1. Repair/rectification of large time drifted L&T SEMs:

Discussion in 28th Metering Meeting

- i. Replacement of NP-7594-A is planned on 15.05.2017
- ii. Replacement of NP-6876-A is planned on 15.05.2017

New Meter at Wokha end of Doyang-Wokha line is planned on 15-05.2017.

NERTS intimated the following:

- i. The Meter was replaced on **3rd June 2017** .New Meter No.is **NP 5301A.**
- ii. The Meter was replaced on **3rd June 2017** . New Meter No.is **NP 7595A.**

The installation of meter at Wokha end of Doyang-Wokha rescheduled on **08.06.2017.**

NERTS may intimate status.

2. Procurement of additional 70 Laptops:

Status as per 28th. Meeting:

Commercial Evaluation already completed. The following is the revised schedule:-

E-Reverse Auction: 12-06-2017

NOA Date : 21-06-2017

Dispatch : 06.07.2017

NERTS may intimate status.

3. Procurement of 250 SEMs & 60 Laptops/DCDs:

Status as per last meeting:

250 Nos. SEMs(3 Nos. under type testing), 23 DCDs and 20 Laptops reached site (Misa SS) on 16-05-2017. Representative from M/s L&T planned for technical demonstration of the SEMs/DCDs on 13-06-2017 at Misa Substation. On

completion of the demonstration and receipt of the Meter in store a/c , same will be ready for issue.

NERTS was requested to organize the technical training on SEM at Guwahati on 13.06.2017. NERTS agreed. All utilities were requested to depute representatives for the programme.

3(a) One day training programme on Special Energy Meter and DCD/Laptop was organised at 220/33 KV GIS Jawaharnagar S/S of AEGCL on 13.06.2017.

It was attended by good no. of participants from Assam, Meghalaya, Tripura, Manipur, NEEPCO, NHPC, OTPC, NERTS and NERLDC. Spirit of the programme could not be dampened by heavy downpour which virtually submerged the city of Guwahati.

Two faculty members from M/S L&T presented and explained details of the following:

Installation of SQL database and application software VINPLUS in Laptop.

Direct Meter Data downloading to Laptop using Optical port to USB cable.

Data downloading from New Meter to new DCD.

Data downloading from old meter to new DCD.

Brief presentation on SEM

It was decided that detailed write up on the procedures would be sent by L&T for reference of all the users.

Presentations made by L&T and list of participants enclosed.

It was agreed that another programme would be organised after about 4-5 months after the users start using Laptops.

It was advised that all users to whom Laptop would be issued should use Antivirus and update regularly to avoid corruption of Laptop software and meter data.

NERLDC would make a list for distribution of 14 Laptops, SEMs and DCDs received and accordingly NERTS would arrange to distribute.

One new DCD was handed over to OTPC representative, OTPC would return the defective DCD.

MSPCL representative agreed that they would start collecting SEM readings of their own S/Ss.

POWERGRID-NERTS and AEGCL are complimented for nicely organizing the program.

3 (b) Laptop Distribution to Meter Data collection locations:

20 Laptops received in the first lot would have to be distributed. Taking into account the 06 nos. of Laptops purchased by Tripura, 14 Laptops were available for distribution. Accordingly 14 Laptops were distributed as below on **23.06.2017 (Friday) at NERLDC Conference Hall:**

1. Misa (NERTS)
2. Bongaigaon (NERTS)
3. **Azara (Assam) Representative not present**
4. **Samaguri (Assam) Representative not present**
5. Umtru (Meghalaya)
6. Mendipathar (Meghalaya)
7. 79 tilla (Tripura)
8. Yurembam (Manipur)
9. Ranganadi (NEEPCO)
10. Palatana (OTPC)
11. Loktak (NHPC)
12. **BgTPP (NTPC) Representative not present**
13. NERLDC
14. NERPC

The three Laptops which could not be distributed as above, would be distributed during 29th. Metering Meeting on 21.07.2017.

Representatives may be present accordingly.

3 (c) Installation of new L&T SEMs in NER:

A list of 122 SEMs to be installed/replaced in NER locations is attached.

NERTS may plan installation accordingly.

Second list covering installation of meters at both ends of all lines would be issued shortly.

All utilities may extend co-operation to NERTS while installation.

4. Time Drift in Meters & action required:-

Time drift is some main meter SEMs were noted as below:

132 Agia end of Nangalbibra	NP-8484-A	11 min
400 Mirza end of Silchar	NP-8588-A	15 min
400 Mirza end of Bongaigaon	NP-8658-A	6 min
220 Salakati end BTPS1	NP-5314-A	9 min
220 Salakati end BTPS2	NP-5297-A	5 min
132 Dimapur-Bokajan	NP-5287-A	29 min
132 Dimapur-Doyang1	NP-5319-A	15 min
132 Dimapur-Doyang2	NP-5284-A	12 min
132 Dimapur-Imphal	NP-5322-A	19 min
132 Dimapur-Dimapur1	NP-8385-A	8 min
132 Dimapur-Dimapur2	NP-8481-A	15 min
220/132 Dimapur ICT1 HV	NP-5289-A	29 min
220/132 Dimapur ICT2 HV	NP-6936-A	19 min
220 Dimapur-Misa1	NP-8480-A	9 min
220 Dimapur-Misa2	NP-5320-A	10 min

All SEMs of Dimapur(PG), Dimapur(Nagaland) and Bokajan are drifted.

On receipt of new SEMs, large drifted SEMs > 10 minutes may be replaced.

All large-drifted meters are being replaced and are included in list of Item 3(c).

Regular time correction command may be provided by all utilities.

5. AMR scheme in NER.

Status as per last meeting:

POWERGRID taken up the proposal for approval for Tendering. Following are the

Tentative schedule:-

1.0 Approval of the Estimate: 09.06.2017

2.0 Approval for revised Qualifying Requirement (QR) : 15.06.2017

3.0 Floating of Tender: - 15.07.2017

4.0 Bid Opening:-30.08.2017

5.0 NOA/LOA :- 30.09.2017

NERTS may intimate status.

6. Testing of SEMs at accredited laboratory

The list of SEMs requiring testing as prepared by NERLDC was circulated. POWERGRID requested for fresh offer from agencies for framing cost estimate. Fresh Offer is awaited.

NERTS may intimate status.

7. Metering issues:

- (a) Balipara end SEM of 400 KV Ranganadi-Balipara-III
Reading 1/3rd. of Ranganadi end
- (b) SM Nagar end of 132 KV Palatana-SM Nagar
CT Ratio information

NERTS may do needful.

8. New SEMs in Bongaigaon NTPC:

NTPC intimated that they would need two more SEMs for start-up power of U-3. It was decided to provide SEMs to NTPC. NTPC was advised to furnish the schematic showing all the SEMs in the Station.

NTPC agreed to inform in next meeting.

9. Providing 50 SEMs, 6 laptops and 6 DCDs to TSECL:

Status as per last meeting:

POWERGRID taken up for issue of the above items to TSECL & following are the tentative schedule:-

- i. Diversion Approval by POWERGRID(internal) : 12-07-2017*
- ii. Raising of Invoice to TSECL by POWERGRID :13-06-2017*
- iii. Issue of the items :- Immediately on receipt of payment from TSECL.*

NERTS/TSECL may update.

Date and venue of next meeting.

PRIORITY LOCATIONS OF LNT SEM

AGTCCPP

SL. NO	STATION NAME	FEEDER NAME	STATUS	TOTAL
1	AGTCCPP	AGTTP END OF AGARTALA-1	CHECK METER	1
2	AGTCCPP	AGTTP END OF AGARTALA-2	CHECK METER	1
3	AGTCCPP	AGTTP END OF KUMARGHAT	CHECK METER	1
4	AGTCCPP	GTG-1	STANDBY METER	1
5	AGTCCPP	GTG-2	STANDBY METER	1
6	AGTCCPP	GTG-3	STANDBY METER	1
7	AGTCCPP	GTG-4	STANDBY METER	1
8	AGTCCPP	STN-TRF-1	STANDBY METER	1
9	AGTCCPP	STN-TRF-2	STANDBY METER	1
			TOTAL	9

Sems in sl. No. 4-9 are old L&T Meters to be discarded

PALATANA

SL. NO	STATION NAME	FEEDER NAME	STATUS	TOTAL
1	PALATANA	PALATANA END OF SLCHAR I FDR	CHECK METER	1
2	PALATANA	PALATANA END OF SLCHAR FDR -2	CHECK METER	1
3	PALATANA	PALATANA END OF UDAIPUR FDR	CHECK METER	1
4	PALATANA	PALATANA END OF SMNAGARR	CHECK METER	1
			TOTAL	4

All SEMs are new L&T Meter

PRIORITY LOCATIONS OF LNT SEM

KATHALGURI

SL. NO	STATION NAME	FEEDER NAME	STATUS	TOTAL
1	KATHALGURI	KATHALGURI END OF MARIANI FDR	MAIN & CHECK METER BOTH	2
2	KATHALGURI	KATHALGURI END OF MISA FDR	MAIN & CHECK METER BOTH	2
3	KATHALGURI	KATHALGURI END OF DEOMALI FDR	MAIN & CHECK METER BOTH	2
4	KATHALGURI	KATHALGURI END OF TINSUKIA-1 FDR	MAIN & CHECK METER BOTH	2
5	KATHALGURI	KATHALGURI END OF TINSUKIA-2 FDR	MAIN & CHECK METER BOTH	2
6	KATHALGURI	GT-1,2,3,4,5,6,7,8,9	STANDBY METER	9
7	KATHALGURI	STN TRF-1 & 2	STANDBY METER	2
			TOTAL	21

All Sems are old L&T Meters to be discarded

NTPC

SL. NO	STATION NAME	FEEDER NAME	STATUS	TOTAL
1	NTPC	NTPC END OF 400 KV NTPC(B'GAON)-B'GAON(PG)-1	CHECK METER	1
2	NTPC	NTPC END OF 400 KV NTPC(B'GAON)-B'GAON(PG)-2	CHECK METER	1
			TOTAL	2

All SEMs are new L&T Meter

PRIORITY LOCATIONS OF LNT SEM

KHANDONG

SL. NO	STATION NAME	FEEDER NAME	STATUS	TOTAL
1	KHANDONG	KHANDONG END OF UMRANGSOO FDR	MAIN & CHECK METER BOTH	2
2	KHANDONG	KHANDONG END OF KHLRT FDR-1	MAIN & CHECK METER BOTH	2
3	KHANDONG	KHANDONG END OF KHLRT FDR-2	MAIN & CHECK METER BOTH	2
4	KHANDONG	KHANDONG END OF KOPILI FDR-1	MAIN & CHECK METER BOTH	2
5	KHANDONG	KHANDONG END OF KOPILI FDR-2	MAIN & CHECK METER BOTH	2
6	KHANDONG	KHANDONG GT-1 & GT-2	STANDBY METER	2
7	KHANDONG	KHANDONG 33KV STN TRF	STANDBY METER	1
8	KHANDONG	KOPILI STG-2 33KV STN TRF	STANDBY METER	1
9	KHANDONG	KOPILI STG-2 GT	STANDBY METER	1
			TOTAL	15

All Sems are old L&T Meters to be discarded

PRIORITY LOCATIONS OF LNT SEM

LOKTAK

SL. NO	STATION NAME	FEEDER NAME	STATUS	TOTAL
1	LOKTAK	LOKTAK END OF RENGPIANG FDR	CHECK METER	1
2	LOKTAK	LOKTAK END OF JIRIBAM-2 FDR	CHECK METER	1
3	LOKTAK	LOKTAK END OF IMPHAL FDR	CHECK METER	1
4	LOKTAK	LOKTAK END OF NINGTHOUKHONG FDR	CHECK METER	1
			TOTAL	4

All SEMs are new L&T Meter

DOYANG

SL. NO	STATION NAME	FEEDER NAME	STATUS	TOTAL
1	DOYANG	DOYANG END OF DIMAPUR-1 FDR	CHECK METER	1
2	DOYANG	DOYANG END OF DIMAPUR-2 FDR	CHECK METER	1
3	DOYANG	DOYANG END OF KOHIMA FDR	CHECK METER	1
4	DOYANG	DOYANG END OF MOKUK FDR	CHECK METER	1
			TOTAL	4

All SEMs are new L&T Meter

PRIORITY LOCATIONS OF LNT SEM

RANGANADI

SL. NO	STATION NAME	FEEDER NAME	STATUS	TOTAL
1	RANGANADI	RANGANADI END OF 132kV NIRJULI FDR	CHECK METER	1
2	RANGANADI	RANGANADI END OF 400KV BNC-1	CHECK METER	1
3	RANGANADI	RANGANADI END OF 400KV BNC-2	CHECK METER	1
4	RANGANADI	RANGANADI END OF 132KV ZIRO FDR	CHECK METER	1
5	RANGANADI	RANGANADI END OF 33KV PARE	CHECK METER	1
			TOTAL	5

All SEMs are new L&T Meter

KOPILI

SL. NO	STATION NAME	FEEDER NAME	STATUS	TOTAL
1	KOPILI	KOPILI END OF MISA-1 FDR	MAIN & CHECK METER BOTH	2
2	KOPILI	KOPILI END OF MISA-2 FDR	MAIN & CHECK METER BOTH	2
3	KOPILI	KOPILI END OF MISA-3 FDR	MAIN & CHECK METER BOTH	2
4	KOPILI	KOPILI END OF KHANDONG FDR-1	MAIN & CHECK METER BOTH	2
5	KOPILI	KOPILI END OF KHANDONG FDR-2	MAIN & CHECK METER BOTH	2
6	KOPILI	KOPILI GT-1,2,3,4	STANDBY METER	4
7	KOPILI	KOPILI 5 MVA STN TRF	STANDBY METER	1
			TOTAL	15

All Sems are Elster Meters to be Discarded

PRIORITY LOCATIONS OF LNT SEM

OTHER LOCATION

SL. NO	LOCATION	FEEDER NAME	STATUS	Q.
1	AZARA	AZARA END OF 400 KV SILCHAR	MAIN METER	1
2	AZARA	AZARA END OF 400 KV BONGAIGAON	MAIN METER	1
3	BONGAIGAON	BONGAIGAON(PG) END OF 400 KV AZARA		1
4	BONGAIGAON	BONGAIGAON(PG) END OF 400 KV NTPC_BGTPP-1		1
5	BONGAIGAON	BONGAIGAON(PG) END OF 400 KV NTPC_BGTPP-2		1
6	BONGAIGAON	BONGAIGAON(PG) END OF 400 KV BYRNIHAT		1
7	MISA	MISA END OF SAMAGURI-1 FDR		1
8	MISA	MISA END OF SAMAGURI-2 FDR		1
9	BALIPARA	BALIPARA END OF BNC LILO-I		1
10	BALIPARA	BALIPARA END OF BNC LILO-II		1
11	BALIPARA	BALIPARA END OF BNC 1 DIRECT LINE		1
12	BALIPARA	BALIPARA END OF BNC2 DIRECT LINE		1
13	AGIA	AGIA END OF NANGALBIBRA	TIME DRIFT>5min	1
14	SALAKATI	SALAKATI END OF BTSP1	TIME DRIFT>5min	1
15	SALAKATI	SALAKATI END OF BTSP2	TIME DRIFT>5min	1
16	DIMAPUR	132 KV DIMAPUR-BOKAJAN	TIME DRIFT>5min	1
17	DIMAPUR	132 KV DIMAPUR-DOYANG1	TIME DRIFT>5min	1
18	DIMAPUR	132 KV DIMAPUR-DOYANG2	TIME DRIFT>5min	1
19	DIMAPUR	132 KV DIMAPUR-IMPHAL	TIME DRIFT>5min	1
20	DIMAPUR	132KV DIMAPUR-DIMAPUR1	TIME DRIFT>5min	1
21	DIMAPUR	132 KV DIMAPUR-DIMAPUR2	TIME DRIFT>5min	1
22	DIMAPUR	220/132 KV DIMAPUR ICT1 HV	TIME DRIFT>5min	1
23	DIMAPUR	220/132 KV DIMAPUR ICT2 HV	TIME DRIFT>5min	1
24	DIMAPUR	220KV DIMAPUR-MISA1	TIME DRIFT>5min	1
25	DIMAPUR	220 KVDIMAPUR-MISA2	TIME DRIFT>5min	1
26	BALIPARA	BALIPARA END OF 132 KHUPI	TIME DRIFT>5min	1
27	BALIPARA	BALIPARA END OF 220 SAMAGURI	TIME DRIFT>5min	1
			TOTAL	27

Sl.no 1-13 are Elster meters to be discarded and rest are Time Drifted to be replaced

PRIORITY LOCATIONS OF LNT SEM

NEW LOCATIONS OF SEM TO BE INSTALLED

LOCATION	FEEDER NAME	STATUS	TOTAL
AIZAWL:	LUANGMUAL END		1
	ZUAGTUI END		1
MELRIAT:			8
ARUNACHAL:	LEKHI END OF NIRJULI		1
	LEKHI END OF NAHARLAGAN		1
NTPC U#3:			2
NAGALAND:	MOK(S) END OF DOYANG		1
	WOKHA(S)END OF DOYANG		1
		TOTAL	16

SUMMARY

STATION	TOTAL
PALATANA	4
NTPC-BgTPP	2
KATHALGURI	21
KOPILI	15
RANGANADI	5
RC NAGAR	9
LOKTAK	4
KHANDONG	15
DOYANG	4
OTHER LOCATION	27
NEW LOCATIONS OF SEM TO BE INSTALLED	16
	TOTAL
	122