



भारत सरकार Government of India  
विद्युत विभाग Ministry of Power  
उत्तर-पूर्व क्षेत्रीय बिजली आयोग  
North Eastern Regional Power Committee  
मेघालय राज्य आवास वित्त सहकारी समाज लि.  
Meghalaya State Housing Finance Co-Operative Society Ltd.  
बिल्डिंग  
नॉन्ग्रिम हिल्स, शिल्लॉंग - 793003  
Nongrim Hills, Shillong - 793003.



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No. NERPC/AS/OCC/2011/2111-43

Date: 23<sup>rd</sup> June, 2011

To,

1. Managing Director, AEGCL, Bijuli Bhawan, Guwahati - 781 001
2. Director (Distribution), Me. ECL, Lumjingshai, Short Round Road, Shillong - 793 001
3. CGM, (LDC), SLDC Complex, AEGCL, Kahelipara, Guwahati-781 019
4. Chief Engineer (WE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
5. Chief Engineer (EE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
6. Engineer-in-Chief (P&E), Department of Power, Govt. of Mizoram, Aizawl - 796 001
7. Chief Engineer (P), Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
8. Chief Engineer (P), Department of Power, Govt. of Nagaland, Kohima - 797 001
9. General Manager, TSECL, Agartala - 799 001
10. ED (O&M), NERTS, PGCIL, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
11. ED (O&M), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
12. ED (Commercial), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
13. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
14. ED (Commercial), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
15. AGM, NERLDC, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
16. Member Secretary, ERPC, 14 Golf Club Road, Tollygunge, Kolkata-700033
17. Chief Engineer, GM Division, Central Electricity Authority, New Delhi - 110066

**Sub: Minutes of the 62<sup>nd</sup> OCC Meeting held on 9<sup>th</sup> June, 2011 at Guwahati.**

The Minutes of the 62<sup>nd</sup> OCC Meeting of NERPC held on 09.06.2011 at "NEEPCO Bhawan", Guwahati is enclosed for favour of kind information and necessary action please.

The minutes is also available on the website of NERPC [www.nerpc.nic.in](http://www.nerpc.nic.in)

Encl: As above

आपका / Yours faithfully,

**P. D. Siwal**  
**Superintending Engineer (O)**

Copy to:

1. Chief Engineer, AEGCL, Bijuli Bhavan, Guwahati - 781001
2. Chief Engineer, APGCL, Bijuli Bhavan, Guwahati - 781001
3. MD, CA DISCOM, Bijuli Bhavan, Guwahati - 781001
4. MD, UA DISCOM, Bijuli Bhavan, Guwahati - 781001
5. MD, LA DISCOM, Bijuli Bhavan, Guwahati - 781001
6. S.E. (Trans. & Dist), MeSEB Lumjingshai, Short Round Road, Shillong - 793 001
7. Head of SLDC, MeSEB, Lumjingshai, Short Round Road, Shillong - 793 001
8. Head of SLDC, Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
9. A.C.E. (Gen & Trans), Department of Power, Govt. of Nagaland, Kohima - 797 001
10. Head of SLDC, Department of Power, Dimapur, Nagaland
11. A.C.E. (Power-I), Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
12. Head of SLDC, Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
13. S.E. (Trans & Dist), Department of Power, Govt. of Mizoram, Aizawl - 796 001
14. Head of SLDC, Department of Power, Govt. of Mizoram, Aizawl - 796 001
15. Head of SLDC, TSECL, Agartala - 799 001
16. Chief Engineer(Elect), Loktak HEP, Vidyut Vihar, Kom Keirap, Manipur- 795124

# North Eastern Regional Power Committee

## MINUTES OF THE 62<sup>nd</sup>

### OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

**Date:** 09/06/2011 (Thursday)

**Time:** 10:30 hrs

**Venue:** "NEEPCO Bhawan," Guwahati.

The List of Participants in the 62<sup>nd</sup> OCC Meeting is attached at **Annexure - I**

Shri B. Goswami, Sr. Manager, NEEPCO welcomed all the delegates to the 62<sup>nd</sup> OCC meeting. He thanked NERPC for giving them the opportunity to host the 62<sup>nd</sup> OCC meeting at Guwahati. He requested all the participants to actively discuss to make a fruitful meeting.

Shri B.K. Jain, Member Secretary, NERPC also welcomed all the participants of the 62<sup>nd</sup> OCC and stated that OCC meeting in the month of May, 2011 was cancelled as many of the items have been discussed during the TCC/RPC meetings held on 5<sup>th</sup> & 6<sup>th</sup> May, 2011. He briefed about the grid performance during the month of May, 2011 and stated that grid parameters are within IEGC band and requested all the constituents to follow the same in future. He also noted that in spite of complete shutdown of Loktak HEP the availability has not affected very much. He appreciated NERLDC & constituents for making the grid comfortable.

He then requested Shri B. Lyngkhoi, Assistant Secretary NERPC to take up the agenda items for discussion.

#### A. CONFIRMATION OF MINUTES

#### CONFIRMATION OF MINUTES OF 60<sup>th</sup> MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

AS, NERPC mentioned that the minutes of the 61<sup>st</sup> meeting of the OCC held on 8<sup>th</sup> April, 2011 at Guwahati were circulated to all the concerned, vide letter no. NERPC/AS/OCC/2010/4111 – 4143 dated 25<sup>th</sup> April, 2011.

*As no comments were received from any of the constituents, the minutes of the 60<sup>th</sup> OCC Meeting was confirmed.*

*AS, NERPC requested NERLDC; to give their presentation about the grid performance during the month of May, 2011.*

## ITEMS FOR DISCUSSION

### **B.1 OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING May' 11**

The grid performance parameters for the month of May, 2011 as presented by NERLDC during the meeting are given below:

- i) **Average frequency** during May, 2011 was 49.88 Hz, as compared to 49.79 Hz in April, 2011.
- ii) **Minimum frequency** in May, 2011 was 49.00 Hz (16.05.11 at 23:09 hrs) compared to 48.80 Hz in the previous month.
- iii) **Maximum frequency** was 50.95 Hz (22.05.11 at 03:09 hrs), as compared to 50.65 Hz in April, 2011.
- iv) **System frequency** remained within permissible range of 49.5 Hz to 50.2 Hz for 91.55 % of the time, below 49.5 Hz for 3.58 % and above 50.2 Hz for 4.87% of the time as compared to 91.52 %, 7.18 % and 1.30 % of the time respectively in the previous month.
- v) **Regional peak** demand in May, 2011 was 1725 MW as compared to 1762 MW in April, 2011 a decrease of 2.11 % over the previous month.
- vi) **Energy requirement** was 910.80 MUs in May, 2011 compared to 835.28 MUs in April, 2011 an increase of 9.04 % over the previous month.
- vii) **Regional energy availability** in May, 2011 was 808.86 MUs compared to 757.75 MUs in the previous month, an increase of 6.74 % over the previous month.
- viii) **Rise in demand met** was recorded in Nagaland (20.29%), Ar. Pradesh (12.99%), Mizoram (3.08%) & Assam (3.06%) over the previous month.
- ix) **Drop in demand met** was recorded in Tripura (9.94%)& Manipur (3.09%) over the previous month viz. April, 2011.
- x) **Over Voltages** at 400 kV substations were observed at Misa, Bongaigaon and Balipara where maximum voltage observed were 432 kV, 423 kV and 426 kV respectively.
- xi) **No over Voltages** were observed at 220 kV S/S and 132 kV S/S.

xii) **No Under Voltages** were observed at 400 kV, 220 kV S/S. However under voltage was observed at 132 kV, Aizawl S/S were 112 kV.

xiii) **Regional Generation & Inter-regional Exchanges:** During the month of May, 2011 compared to April, 2011 are given below:

SN	Parameter	May, 2011	April, 2011
<b>REGIONAL GENERATION &amp; INTER - REGIONAL EXCHANGES (in MU)</b>			
1	Total Generation in NER (Gross)	657.516	623.578
2	Total Central Sector Generation in NER (Gross)	399.733	401.920
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	2.93	1.95
	(b) ER - NER	165.91	153.94
	(c) Net Import	162.98	151.99

*The Sub-committee noted as above.*

<b>FOLLOW UP ACTION</b>
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**C. 1. Non-functioning of SCADA in Arunachal Pradesh state**

No representative from Ar. Pradesh was present during the meeting and the status could not be updated. However, DGM, NERLDC informed that procurement of VSAT is under process and the confirmation of willingness for VSAT procurement has been received from all the constituents, except from Ar. Pradesh. Once VSAT is installed the problem of modem will be done away.

Member Secretary requested NERLDC to pursue the matter with Ar. Pradesh so that VSAT can be installed at the earliest. NERLDC agreed.

*The Sub-committee noted as above.*

**C. 2 Status of 132 KV Kopili - Khandong 2<sup>nd</sup> Ckt.**

POWERGRID informed that the file has been sent from Secretary, Forest, Govt. of Assam to Regional office of Ministry of Environmental & Forest, Shillong on 25.05.2011. The final clearance is expected to be received soon. The status would be reviewed in the next OCC meeting.

*The sub-Committee noted as above.*

**C. 3 Installation of Line Reactor at Kathalguri end of Misa – Kathalguri line:**

Sr. Manager, NEEPCO informed that similar case of Service Tax Agreement for consultancy is under progress the same would be followed in this case also. The draft agreement is in progress and the same will be finalized soon by NEEPCO and POWERGRID (PI & BDD Group, CC, Gurgaon).

CM, POWERGRID requested NEEPCO to allow POWERGRID for taking up the tendering AS ADVANCE action considering the huge lead time required for procurement of reactor these days. However, NEEPCO informed that clearance can only be given after signing of agreement.

Member Secretary requested POWERGRID and NEEPCO to sign the agreement soon and execute the job at the earliest.

*The Sub-committee noted as above.*

**C. 4 Revival of 132 KV P.K. Bari- Dullavcherra - Panchgram link between Assam & Tripura:**

AGM, AEGCL informed that all necessary installation is about to complete and the same would be intimated in the next OCC meeting. After completion of installation work synchronization of the line will be carried out.

*The Sub-committee noted as above.*

**C. 5 Restoration of Carrier tripping relay at Ranganadi end:**

CM, POWERGRID informed that the restoration work at Ranganadi end has been completed.

*The Sub-committee noted as above.*

**C. 6 Special Protection Scheme for N.E. Region:**

CM, POWERGRID informed that LOA for supply of new panels has already been placed and accordingly, the SPS can be made operational before December, 2011 as intimated earlier.

*The Sub-committee noted as above.*

**C. 7 Transfer facility in Bus Bar arrangement:**

AGM, LD&C, Assam informed that earlier statement of clearance from electrical inspectorate, Govt. of Assam was not correct as mentioned by CGM, LD&C. Since the work at Mariani & Samaguri has been completed, the status would be

intimated in the next OCC meeting.

*The Sub-committee noted as above.*

**C. 8 Multiple problems with new L&T meter & software (VINPLUS):**

CM, POWERGRID informed that L&T engineer has given revised schedule as last week of June 2011 for providing the solution of data downloading from various meters through RS 485 port. The status would be intimated in the next OCC meeting.

*The Sub-committee noted as above.*

**C. 9 Single-Phase Auto-Reclosure of Transmission Lines:**

The status of SPAR as reviewed during the 62<sup>nd</sup> OCC meeting is given below:

Sr. No.	Name of the Line	Ownership	Status as given on 61 <sup>st</sup> OCC meeting.
1	400kV Balipara - Ranganadi I&II	RHEP, NEEPCO	Completed
2	220kV Kopili - Misa # I & II	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
3	220kV Salakati – BTPS - I & II	BTPS, AEGCL	Assam informed that the work is in progress and the same will be completed by May, 2011.
4	220kV Balipara - Samaguri	Samaguri, AEGCL	Assam informed that work at Samaguri will take atleast one year.
5	132kV Aizawl - Zemabawk	Zemabawk, P&E, Mizoram	No representative from Mizoram. status could not be updated.
6	132kV Khandong - Haflong	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
7	132kV Khandong - Kopili	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
8	132kV Loktak - Imphal # II	Loktak, NHPC	Materials would be dispatched in 2 lots from factory and work will be completed within one year.
9	132kV Ranganadi- Ziro	RHEP, NEEPCO	NEEPCO insisted that breakers are only 6 years old and it would not be viable to replace the breakers.  MS, NERPC stated that SPAR is very important for minimum interruption and NEEPCO should find means to replace the breakers as agreed in the 10 <sup>th</sup> RPC meeting. He asked Arunachal Pradesh to explore the possibility of utilizing the breaker of NEEPCO in their system as the same could be procured by them at a depreciated cost. Ar. Pradesh agreed to the proposal. Member Secretary requested Ar. Pradesh to prepare a concrete proposal and put up in TCC/RPC.

*The Sub-committee noted as above.*

**C. 10 Installation of two main numerical distance protection scheme:**

Sr. Mgr, NEEPCO informed that they have been pursued the matter with AREVA, however, no confirmation has been received from them.

CM, POWERGRID stated that he is ready to help NEEPCO in pursuing the matter with AREVA to install the numerical distance protection relay at the earliest. Sr. Manager, NEEPCO appreciated POWERGRID and stated that he will inform the management about the assistance assured by POWERGRID so that the work can be completed at the earliest. The progress would be intimated in the next OCC meeting.

*The Sub-committee noted as above.*

**C. 11 Deputation of site engineer by PGCIL at Kopili for SCADA system:**

CM, PGCIL informed that ABB engineers would depute their engineer soon for SCADA System. During their visit the training will be conducted for NEEPCO engineers at Kopili HEP.

*The Sub-committee noted as above.*

**C. 12 Switchable Reactor at Balipara S/S:**

CM, POWERGRID has intimated the current status of installation of two nos. of 400 KV SF6 CBs for switching Ranganadi line reactors of circuits I&II at Balipara S/S as below:

- a) CB supply : Completed.
- b) CB panel supply : Completed.
- c) Final commission : July, 2011. The status would be intimated in next OCC.

Further, CM, POWERGRID informed that at present all the four nos. of line reactors of 400kV Balipara-Ranganadi Line # I & II is in service to control the Grid voltage on account of failure / outage of 63MVAR Bongaigaon Line # 1 Reactor at Balipara. Commissioning of CBs for making Ranganadi Line Reactor # 1 & 2 switchable at Balipara will require shut down which will cause grid over-voltage resulting outage of one of the 400kV Balipara – Bongaigaon Circuits. As POWERGRID already diverted one no. of 63MVAR Line Reactor at Balipara Sub Station to replace the failed reactor soon. CM, POWERGRID proposed to commission the reactor first and

then, take shut down for commissioning of switchable CBs to avoid outage of 400kV Balipara – Bongaigaon Circuits (One Circuit) on account of Over Voltage.

Member Secretary, NERPC advised POWERGRID to expedite the commissioning of new 63 MVAR Line Reactor.

*The Sub-committee noted as above.*

**C. 13 Installation of new Under Frequency Relays (UFRs) in NER constituent systems and constituent-wise load relief quantum as recommended by the sub-committee:**

During the 11th NERPC meeting, the status given by constituents of NER for installation of UFR is given below:

- |                |   |             |
|----------------|---|-------------|
| 1) Ar. Pradesh | : | Not updated |
| 2) Manipur     | : | July, 2011  |
| 3) Meghalaya   | : | Completed   |
| 4) Mizoram     | : | Completed   |
| 5) Nagaland    | : | Completed   |
| 6) Tripura     | : | Sept, 2011  |

Since no representative was present from Ar. Pradesh, the status could not be updated.

DGM, NERLDC enquired whether any UFR operated during the grid disturbance occurred on 31.05.2011 when the frequency dipped below 48.8 Hz. as constituents have indicated that UFR have been completed. Constituents could not confirm immediately and informed that they would discuss the matter and intimate.

MS, NERPC stated that RPC representative would visit the States to check UFRs and submit the report to CERC.

*The Sub-committee noted as above.*

**C. 14 Transformation Capacity at 132 KV Nirjuli S/S:**

Presently, Nirjuli Substation is running with a combination of 10MVA & 16 MVA transformers which are not being operated in parallel due to mismatch of Percentage Impedance. The present loading of the transformers are as follows:

- i. 16 MVA- 13MW (Max.)
- ii. 10MVA- 7 MW (Max.)

**Total Maximum Load is 20 MW**

The 16 MVA Transformer owned by DoP, Arunachal Pradesh will be replaced with a new 10MVA Transformer under procurement by POWERGRID.

On installation of the new 10MVA transformer, the Nirjuli S/S will be able to cater for a maximum load demand of 16 to 17 MW only & hence there may be further overloading of these Transformers if the present load demand persists.

The transformers at Nirjuli S/s are already subjected to high stresses because of frequent heavy faults in the 33 KV system of DoP, Arunachal Pradesh, and therefore further overloading may cause eventual failure of the transformers in short time.

In view of above, DoP, Arunachal Pradesh may make necessary arrangement for diversion of the load of their system from Nirjuli to some other Station or else NERPC may concur installation of one additional Transformer of 132/ 33kV, 10 MVA capacity at Nirjuli.

Since there were no representatives from Ar. Pradesh, the matter could not be updated.

Member Secretary, NERPC advised POWERGRID to take up the matter immediately with DoP, AP and finalize the further course of action.

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

**C. 15 Corporate Training at DOEACC Society:**

During the 11th NERPC meeting, MS, NERPC clarified that in case of funding from Reactive pool account, the training would have to be for all the state engineers and cannot be arranged for a particular State. He proposed to organize the training in Guwahati so that it is convenient to all States.

The RPC approved the training proposal as suggested by MS, NERPC and NERPC Secretariat will coordinate for the above training.

Member Secretary informed that funding of training at DOEACC/NPTI from Reactive Pool Account (RPA) of NERPC is not possible during the current financial year as there is shortage of fund from RPA after completion of Group – II training programme at USA. Member Secretary informed that after fund is available either from PSDF/RPA they will co-ordinate the training accordingly.

*The Sub-committee noted as above.*

<b>D. NEW ITEMS</b>
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**D. 1 Establishment of communication between Bokajan (Assam) and Dimapur (PGCIL):**

Assam vide letter dated 13.05.2011 has informed that the 132 KV Mariani – Dimapur (PG) line has been LILO at 132 KV Bokajan S/S. At present there is no communication link between these two stations. In order to provide smooth power system operation it becomes necessary to establish a communication between Bokajan and Dimapur (PG). As Dimapur (PG) is an interstate point, necessary deliberation is required for establishment of the said communication.

CM, POWERGRID informed that as per the earlier decision Assam has to procure the PLCC panels as the line belongs to Assam only.

Assam requested POWERGRID to give a copy of earlier decision so that Assam will take up the matter at their end for establishment of the communication link as mentioned above. POWERGRID agreed.

*The Sub-committee noted as above.*

**D. 2.1 Replacement of SEMs at Umtru Power Station of MeECL**

CM, NERLDC informed that four nos. of SEMs are installed in Umtru PH of MeECL and readings of these meters are used for computation of Meghalaya drawl. These meters have completed life of 10 years and replacement is overdue. MeECL vide letter dated 2nd June'11 (copy enclosed at **Annexure 2.1**) has requested for replacement of the meters.

CM, POWERGRID informed that the meters will be replaced by June 2011.

*The Sub-committee noted as above.*

### **D. 2.2 Special Energy Meters at Kohima**

Two SEMs are installed in Kohima S/S of Nagaland as below:

1. Kohima end of 132 KV Karong-Kohima feeder
2. Kohima end of 132 KV Dimapur(PG)-Kohima feeder

SEM at sl. No. 2 has been installed recently after completion of LILO of 132 KV Dimapur-Kohima at Dimapur(PG) while SEM at Sl. No. 1 is in place since long.

Meter at sl. No. 1 has been showing erratic reading since beginning. Now, meter at sl. No. 2 is also showing reading close to zero since installation.

It appears that there is some problem with CT/PT, connection at Kohima which needs to be attended as both are inlet points of Nagaland.

CM, POWERGRID, NERTS agreed for joint checking with Nagaland in June'11.

*The Sub-committee noted as above.*

### **D. 2.3 Special Energy Meters at Kolasib (Mizoram)**

CM, NERLDC informed that Kolasib is one of the inlet points of Mizoram and two SEMs are installed at Kolasib S/S. One DCD was also handed over by POWERGRID, NERTS to Mizoram for collection and transmittal of weekly SEM data. But till now, readings are not received from Kolasib. In the absence of Kolasib reading, other end meters i.e. those at Badarpur(PG) and Aizawal(PG) are used for computation of Mizoram drawal.

Since no representative was present during the meeting the status could not be ascertained. Member Secretary requested NERLDC to take up the matter with Mizoram again.

*The Sub-committee noted as above.*

### **D. 2.4 Malfunctioning of DCD at Nirjuli, Balipara S/S**

CM, NERLDC informed that it has been reported by Nirjuli S/S that their DCD had been malfunctioning since 30.05.2011. The problem has not been attended till now and at present, DCD from Zero is being brought to collect the weekly reading. Spare DCDs from Balipara were brought to Nirjuli but were also found to be malfunctioning.

NERLDC felt that it is needed to maintain some spare DCDs in workable condition so that such situations can be tackled and REA is not affected.

CM, POWERGRID requested NERLDC to make a distribution list of spare DCDs so that same can be handed over to those sites.

AGM, AEGCL stated that spare DCDs should not be kept idle otherwise battery will get discharged as it happened in most cases. He opined that both current and spare DCDs should always be used in parallel to avoid unnecessary problem to DCDs.

CM, NERLDC further stated that they will organize a workshop on SEMs in July, 2011 at Guwahati and requested all the constituents to participate in the seminar for their benefit. He also requested POWERGRID to give the name of one Nodal officer at NERTS with mobile number for consulting the matters related with SEM. POWERGRID, NERTS agreed.

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

#### **D. 2.5 Irregular receipt of weekly SEM readings**

CM, NERLDC informed that receipt of weekly SEM readings is irregular from Dimapur(PG), NHPC(Loktak) and 79 tilla (Tripura). Repeated reminder and persuasion is needed every week to get the reading.

CM, POWERGRID informed that Dimapur (PG) has already been advised to send the readings regularly in time.

Mgr. TSECL and Mgr. NHPC also agreed to do the needful.

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

#### **D. 2.6 DGM, NERLDC requested the following items may be discussed and finalized:**

##### **1. Mock exercise for early synchronization of islands and ER & NER**

DGM, NERLDC stated that in many occasions synchronization takes longer time than usual whenever any system is islanded/desynchronized and this creates problem in quick restoration of the system.

Member Secretary enquired about the exact problem faced by the system engineer. DGM, NERLDC informed that this is due to lack of experience of the system engineers posted in control rooms in the sub-stations. He further informed that synchronization in hydro station is not at all a problem as engineers posted in hydro station are very experienced but it is not the same with engineers in sub-stations in many cases.

It was decided that NERLDC will prepare a scheme by considering the critical sub-stations for carrying out the mock exercises for synchronisation. NERLDC agreed.

*The Sub-committee noted as above.*

## **2. Mock Black start of Generating Stations:**

DGM, NERLDC informed that black start for generating stations was conducted last year during the lean hydro season. He informed that this time they would like to conduct the black start during the monsoon period. NERLDC will prepare the scheme and will be intimated in the next OCC meeting.

*The Sub-committee noted as above.*

## **3. Scheduling of Unit-IV & V of Baramura station of Tripura:**

DGM, NERLDC informed that whenever there is system constraint in evacuation of injection of Tripura, they are requested to stop over injection. This over injection should be immediately stopped for the sake of the grid by reducing their own generation or increasing drawal. For this purpose revision of generation of units, in which Manipur & Mizoram have shares, will not be entertained. However, in case of further reduction beyond scheduled injection is required for system security purpose, revision of shared units will be entertained maintaining percentage shares of other beneficiaries in tact. Tripura agreed.

*The Sub-committee noted as above.*

## **D. 3 State-wise anticipated peak demand/requirement, shortage for June, July & August, 2011.**

*The sub-Committee may review the anticipated peak demand/energy requirement and finalize the same for the months of June, July & August, 2011.*

June, 2011

July, 2011

August, 2011

S.No.	State	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)
1	Ar. Pradesh	90	85	90	90	90	90
2	Assam	950	850	980	900	980	900
3	Manipur	85	80	110	100	110	100
4	Meghalaya	230	200	260	210	260	210
5	Mizoram	75	55	75	70	75	70
6	Nagaland	100	80	100	95	100	95
7	Tripura	165	140	170	150	170	150
	Region	1695	1490	1785	1615	1785	1615

**\*The availability of above States is subjected to the instruction of NERLDC.**

#### **D. 4 Generation Planning (ongoing and planned outages)**

The Sub-committee has approved the proposed shutdown of NEEPCO as given below:

S.No.	Unit No:	From	To	No. of days	Reason
1.	AGTP U#3	27.06.2011	14.07.2011	18 days	HGPI
2.	AGBP U#4	11.07.2011	14.08.2011	35 days	Major overhauling

#### **D. 5 Outage Planning Transmission elements**

The Sub-committee **discussed and approved** the programme of transmission line outages for June/July, 2011 as proposed by POWERGRID.

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

**D. 6 Estimated Transmission Availability Certificate (TAC) for the month of February, 2011.**

The Final TAC certified by NERPC for the month of April, 2011 has been issued vide letter No: NERPC/OP/TAC/2011/1611 dated 06.06.2011 is **99.9834%**.

The Estimated Transmission/System Availability for the month of May, 2011 furnished by PGCIL is **99.8280 %** as per details at **Annexure D. 6 (Copy of the same is also available at NERPC website)**. NER constituents are requested to kindly give their comments and observations, if any, by 24<sup>th</sup> June, 2011 so that Final TAC for the month of May, 2011 can be issued.

*The sub-Committee noted as above.*

**D. 6 Major grid disturbances in the previous month (May, 2011 )**

There was no major grid disturbance during the month of May, 2011.

*The Sub-Committee noted as above.*

**D. 7 Any other item**

i). NEEPCO informed that in order to analyze the UI account and to evaluate the commercial performance of the plant, it is proposed that the block wise ex bus schedule and actual generation may be posted in the website of NERLDC. In the earlier occasion such data were available in the website of NERLDC on weekly basis which is now discontinued.

Presently in the website of NERPC daily summery of UI account is available. It is requested to provide block wise (15 min block) generation data of the entire week for the reasons as stated above.

CM, NERLDC stated that due to security reason the above information has been withdrawn from website. However, he requested NEEPCO to send their request in writing so that username and password would be given to them to access the information. NEEPCO agreed.

*The sub-Committee noted as above.*

ii). NEEPCO stated that it was observed that in the event of tripping of Kathalguri – Misa line or Kathalguri – Mariani line for any line fault resulting to the outage of some or all generating units, NERLDC treats this as grid problem and actual generation is treated as schedule generation i.e. Real Time generation is considered as schedules for the affected time blocks.

However, the same benefit of Grid Problem i.e. Real time generation is not considered by NERLDC in case of tripping of Kathalguri – Deomali or Kathalguri-Tinsukia line by line fault when the generation of AGBPP was affected for such tripping. It may kindly be noted that in the event of voltage dip in the 220 KV bus of AGBP, the 6.6 KV bus (for auxiliary supply) also experience voltage dip and if the voltage drop is beyond limit the CW/ACW pump, Boiler Feed pump, Air Compressors etc trip resulting to the tripping of the STG units.

DGM, NERLDC stated that the reason for voltage drop might be due to protection problem and the above could not be treated as normal grid disturbance. Moreover, if there is sufficient evacuation path corresponding to generation, treatment of reduced generation in line with grid disturbance cannot be entertained.

Member Secretary requested NEEPCO to check and analyze the exact problem whether the problem lies with Kathalguri of NEEPCO or with Arunachal Pradesh. After getting the exact problem the issue may be discussed again in OCC meeting..

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

**iii). Time Synchronization of L&T Make Energy meters:**

NEEPCO informed that the energy meters installed at AGBP are running with time difference of 5 to 10 minutes. All the meters are required to be time synchronized with GPS so that there is no time mismatch between the meters and the timings matches with the time schedule of NERLDC. The matter was informed to GM (OS) NERTS, on 11.4.2011; but till date no action was taken. It is proposed that one engineer may be deputed to AGBP to rectify the problem. He will train up the engineer at AGBP with applicable soft ware and tools so that in future NEEPCO can do the necessary time correction.

CM, POWERGRID clarified that the procedure for time correction had already been sent to AGBP during March 2011 through email. Further, during the meeting CM, POWERGRID again handed over the procedure to NEEPCO and stated that in case NEEPCO is unable to correct the time using the procedure, POWERGRID will depute their engineer for demonstration.

NEEPCO agreed to try time correction by the said procedure.

*The sub-Committee noted as above.*

**iv). Software for reading the Energy Meter data:**

NEEPCO stated that after down loading the energy meter data by DCD, e-mail the same to NERLDC in every week but cannot read any data at AGBP for want of software. NEEPCO like to depute one engineer to NERLDC/NERTS to get acquainted with the software operation so that the energy meter data down loaded at AGBP can also be read at AGBP.

CM, POWERGRID requested NEEPCO to fix the date for sending the engineer from NEEPCO to NERTS so that the POWERGRID will train them in this matter.

*The sub-Committee noted as above.*

**v). Bus transfer facility at 132 KV Gohpur (AEGCL) Sub-station:**

CM, POWERGRID stated that during the 9th TCC & NERPC Meeting AEGCL informed that they will not be able to implement Bus Transfer Arrangement at 132kV Gohpur Sub Station. Under such circumstance, in case of outage / maintenance line CB of 132kV Nirjuli Bay at 132kV Gohpur (AEGCL) Sub Station, the healthy 132kV Nirjuli-Gohpur Line will suffer undesirable outage due to system constraints (Category: GOMD). Hence, issue may be discussed to explore the possibility of installation of transfer bus at Gohpur Sub Station by expansion of the Station.

Member Secretary advised POWERGRID and Assam to jointly check the feasibility of bus transfer at Gohpur and intimate the status in the next OCC meeting. Assam & POWERGRID agreed.

*The sub-Committee noted as above.*

**vi). Non-utilization of transfer facility at Khandong HEP:**

CM, POWERGRID referred the outage of 132kV Khandong-Khliehriat # II Line from 10:56 Hrs. (13.04.2011) to 13:05 Hrs. (14.04.2011) for non-utilization of transfer facility by NEEPCO at Khandong HEP during the trouble shooting of 132kV Khliehriat # II line CB of PGCIL at Khandong HEP. He requested that utilization of available transfer facility is necessary to avoid outages of GOMD Category (system constraint) for reliable operation of the Grid.

Sr. Manager, NEEPCO informed that due to lesser capacity of Bus Bar conductor the transfer facility could not be used. Further, he has informed that the matter has already referred to their Engineering Division to find out the solution for strengthening Bus Bar Capacity so that transfer facility as well as additional power handling owing to commissioning of Missing Link project can be done at Khandong. The issue will be followed up in next OCC Meeting.

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

**D. 8 Date & Venue of next OCC meeting**

It is proposed to hold the 63<sup>rd</sup> OCC meeting of NERPC on 8<sup>th</sup> July, 2011 (Friday). As per roster Ar. Pradesh will be the host for the above meeting. The venue of meeting will be intimated in due course.

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**List of Participants in the 62nd OCC meeting held on 09/06/2011**

Sl. No	Name & Designation	Organization	Contact No.
1.	<b>No Representative</b>	<b>Ar. Pradesh</b>	
3.	Sh. K.K. Das, DGM, LD&C	Assam	09435182116
4.	Sh. A.K. Saikia AGM, LD&C	Assam	09864116176
	Sh. J. Baishya, AGM	Assam	09435041494
5.	Sh. A. Kharpan, SE, SLDC,	Meghalaya	09436117802
6.	Sh. F.E. Kharshiing, EE, SLDC,	Meghalaya	09863066906
7.	<b>No Representative</b>	<b>Mizoram</b>	
8.	Sh. Th. Bimol Singh, AE	Manipur	09436028246
10.	<b>No Representative</b>	<b>Nagaland</b>	
11.	Smt. Shampa Sen, Mgr, SLDC,	Tripura	09436120263
12.	Sh. N.R. Paul, DGM	NERLDC	09436302723
13.	Sh. R. Sutradhar, CM	NERLDC	09436302714
14.	Sh Anupam Kumar, Sr. AE.	NERLDC	09436335379
15.	Sh. P. Kanungo, CM.	NERTS	09436302823
16.	Sh. Bhaskar Goswami, Sr. Mgr	NEEPCO	09436163983
	Sh. Ashim J. Bordoloi	NEEPCO	09435092240
17.	Sh. R.C. Singh, Mgr.	NHPC	09436894889
24.	Sh. B.K. Jain, Member Secretary	NERPC	09436706436
26.	Sh.B. Lyngkhoi, AS	NERPC	09436163419
27.	Sh. D.K. Bauri, EE	NERPC	09863317236

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