

North Eastern Regional Power Committee

Agenda For

67th Operation Coordination Sub-Committee Meeting

Time of meeting : 10:30 Hrs.

Date of meeting : 8th November, 2011 (Tuesday)

Venue : Hotel Grand Star Line, Guwahati.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 66th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

The minutes of 66th meeting of Operation Sub-committee held on 12th October, 2011 at Guwahati were circulated vide letter No. NERPC/AS/OCC/2011/2725 - 57 dated 21st October, 2011.

No observations or comments were received from any of the constituent members.

The Sub-committee may confirm minutes of 66th OCCM of NERPC.

ITEMS FOR DISCUSSION

B. OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING OCT' 11

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

- i) **Average frequency** during October, 2011 was 49.65 Hz, as compared to 49.84 Hz in September, 2011.
- ii) **Minimum frequency** in October, 2011 was 48.57 Hz (10.10.11 at 14:57 hrs) which was 48.78 Hz as recorded in the previous month.
- iii) **Maximum frequency** was 50.63 Hz (26.10.11 at 16:08 hrs), as compared to 50.66 Hz in September, 2011.
- iv) **System frequency** remained within permissible range of 49.5 Hz to 50.2 Hz for 76.15 % of the time, below 49.5 Hz for 23.05 % and above 50.2 Hz for

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0.79% of the time as compared to 84.75 %, 10.41 % and 4.84 % of the time respectively in the previous month.

- v) **Regional peak** demand in October, 2011 was 1909 MW as compared to 1876 MW in September, 2011 an increase of 1.77 % over the previous month.
- vi) **Energy requirement** was 980.18 MUs in October, 2011 compared to 1003.94 MUs in September, 2011 a decrease of 2.37 % over the previous month.
- vii) **Regional energy availability** in October, 2011 was 886.69 MUs compared to 920.2 MUs in the previous month, a decrease of 3.64 % over the previous month.
- viii) **Rise in demand met** was recorded in Tripura (15.49%), Mizoram (10.32%), Assam (6.35%), Manipur (1.92%) & Nagaland (0.97%) over the previous month.
- ix) **Drop in demand met** was recorded in Ar. Pradesh (5.56%) over the previous month viz. September, 2011.
- x) **Over Voltages** at 400 kV substations were observed at Bongaigaon, Misa and Balipara where maximum voltage observed were 421, 432 kV and 427 kV respectively.
- xi) **No over Voltages** were observed at 220 kV S/S and 132 kV S/S.
- xii) **No Under Voltage** observed at 400 kV S/S and 220 kV S/S. Under voltage observed at 132 KV Aizawl and Kumarghat S/S were 120 kV.
- xiii) **Regional Generation & Inter-regional Exchanges:** During the month of October, 2011 compared to September, 2011 are given below:

SN	Parameter	October, 2011	September, 2011
REGIONAL GENERATION & INTER – REGIONAL EXCHANGES (in MU)			
1	Total Generation in NER (Gross)	795.563	886.588
2	Total Central Sector Generation in NER (Gross)	492.528	583.866
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	6.41	20.32
	(b) ER - NER	125.74	69.71
	(c) Net import	119.33	49.39

The Sub-committee noted as above.

C. FOLLOW UP ACTION

C. 1 Transfer facility in Bus Bar arrangement:

During the 66th OCC meeting, Assam informed that the Bus Transfer facility would be commissioned on 20th October, 2011. The status would be intimated in the next OCC meeting.

Assam may kindly intimate the current status on above.

C. 2 Deputation of site engineer by PGCIL at Kopili for SCADA system:

During the 66th OCC meeting, CM, POWERGRID informed that the matter has been taken up with the appropriate authority of ABB and they have assured that they restore the SCADA system of Kopili at the earliest. The status would be intimated in the next OCC meeting.

POWERGRID may kindly intimate the current status on above.

C. 3 Installation of new Under Frequency Relays (UFRs) in NER constituent systems and constituent-wise load relief quantum as recommended by the sub-committee:

The information regarding locations of installation of UFRs has been received from Meghalaya, Nagaland & Mizoram only. During the 66th OCC meeting Assam informed that the above information was also sent by them, but NERPC Secretariat has not yet received till date.

Remaining Constituents are required to furnish the data at the earliest.

C. 4 Bus transfer facility at 132 KV Gohpur (AEGCL) Sub-station:

The issue has been referred to TCC/NERPC meetings.

C. 5 Non-utilization of transfer facility at Khandong HEP:

The issue has been referred to TCC/NERPC meetings.

C. 6 Power flow on 132 KV P.K. Bari – Panchgram line:

During the 66th OCC meeting, DGM, NERLDC informed that the above line could not be tested as decided in the 64th OCC meeting due to outage of Loktak – Jiribam – II line as well as pre puja maintenance activities carried out by Assam & Tripura in concerned areas. Further he stated that whenever system permits NERLDC will co-ordinate with Tripura & Assam to test the power flow on P.K. Bari – Panchgram line. The status would be intimated in the next OCC meeting.

NERLDC may intimate the current status.

C. 7 Supply & Installation of V-SAT & PMU equipments:

During the 66th OCC meeting, “the Sub-committee requested NERLDC to write once again to the respective constituents to submit the names of Nodal **officers** required for co-ordination of procurement & installation activities of V-SAT & PMU equipments and the names of **Consignees** for processing of procurements of above equipments like tendering, issuance of letter of award and also for dispatch of equipments by the vendors to respective states”.

NERLDC may intimate the current status.

C. 8 Low voltage profile during peak hours resulting to less generation:

During the 65th OCC meeting, Member Secretary requested NHPC to find out the cause of low voltage problem and the same shall be discussed again in the next OCC meeting. Since no representative from NHPC was present during the 66th OCC meeting the status could not be updated.

NHPC may intimate the current status.

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

The status of SPAR as reviewed during the 66th OCC meeting is given below:

Sr. No.	Name of the Line	Ownership	Status as given on 66 th OCC meeting.
1	400kV Balipara - Ranganadi I&II	RHEP, NEEPCO	Completed
2	220kV Kopili - Misa # I & II	KHEP, NEEPCO	NEEPCO informed that R&M Scheme has been approved and installation will be carried out soon.
3	220kV Salakati – BTPS - I & II	BTPS, AEGCL	Assam informed that the work is in progress and the same will be completed by Dec, 11.

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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	Representative from Mizoram informed that they will look into the matter & status would be intimated in next OCC meeting.
6	132kV Khandong - Haflong	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement by Sept, 2011.
7	132kV Khandong - Kopili	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement by Sept, 2011
8	132kV Loktak - Jiribam # II	Loktak, NHPC	Materials have been dispatched in 2 lots from factory and work will be completed by Nov, 2011.
9	132kV Ranganadi- Ziro	RHEP, NEEPCO	<p>NEEPCO insisted that breakers are only 6 years old and it would not be viable to replace the breakers.</p> <p>MS, NERPC stated that SPAR is very important for minimum interruption and NEEPCO should find means to replace the breakers as agreed in the 10th 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.</p> <p>EE, Ar. Pradesh informed that finalization of the same is under progress and the same will be intimated in the next OCC meeting.</p>

Regarding the item No.5, the Sub-committee has decided to refer the matter to TCC/NERPC meetings. Constituents may kindly intimate the current status.

C. 10 Frequency of AGBPP shoot up to 55 Hz resulting to tripping due to over speed:

During the 66th OCC meeting, NERLDC, NEEPCO & Assam informed that due to engagement with the activities related to ensuring trouble free system operation during Durga Puja festival, the joint inspection/examination could not be conducted as decided in the 65th OCC meeting. The same would be carried out soon and the status would be intimated in the next OCC meeting

The current status may kindly be intimated.

D. NEW ITEMS

D. 1 State-wise anticipated peak demand/requirement, shortage for November, December, 2011 & January, 2012.

The sub-Committee may review the anticipated peak demand/energy requirement and finalize the same for the months of November, December, 2011 & January, 2012.

S.No.	State	<u>Nov', 2011</u>		<u>Dec', 2011</u>		<u>January, 2012</u>	
		Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)
1	Ar. Pradesh	85	80	90	80		
2	Assam	950	900	1000	875		
3	Manipur	100	90	100	80		
4	Meghalaya	250	220	270	200		
5	Mizoram	70	55	75	50		
6	Nagaland	100	90	100	85		
7	Tripura	180	150	185	140		
	Region	1735	1585	1820	1510		

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

D. 2 Generation Planning (ongoing and planned outages)

Sub-committee may discuss & approve the shutdown proposal of NEEPCO/NHPC Units for November/December, 2011 as enclosed at **Annexure D. 2 (i) & (ii)**.

NEEPCO/NHPC may also intimate the availability for hydro stations:

Khandong -	MU
Kopilli -	MU
Ranganadi -	MU
Doyang -	MU
Loktak -	MU

Members may like to discuss and approve the proposal.

D. 3 P.K. Badi RTU problem

TSECL vide letter dated 01.11.2011 has intimated that since 15th September, 2011 very often Central Sector data along with P.K. Badi RTU (TSECL) is becoming unavailable/suspect intermittently. The reason suspected by Deejay Consultant Pvt. That problem is happening due to laying of FOC on ground. It is requested that POWERGRID should solve the problem immediately as operation is getting hampered.

The sub-Committee may discuss.

D. 4 Software Problem in DCD

TSECL vide letter dated 01.11.2011 has intimated that software with the DCD meter of GSS, 79 Tilla. Immediate replacement of DCD is required.

The sub-Committee may discuss.

D. 5 Drawal Restriction

Management of TSECL desired the written instruction & information for restriction of drawal, if any, during evening peak in view of CS lines overloading. Hence, NERLDC is requested to send the same to SLDC Control room, Agartala.

The sub-Committee may discuss.

D. 6 Outage Planning of Transmission elements

The Sub-committee may discuss and approve the transmission line outages proposed for November/December, 2011 by PGCIL (at **Annexure D. 6**).

The sub-Committee may discuss.

D. 7 Estimated Transmission Availability Certificate (TAC) for the month of September, 2011.

The Final TAC for the month of September, 2011 has not yet been issued by NERPC Secretariat as the data has not been received from POWERGRID

The Estimated Transmission/System Availability for the month of October, 2011 furnished by PGCIL is **99.9115 %** as per details at **Annexure D. 7**. NER constituents are requested to kindly give their comments and observations, if any, by 25th November, 2011 so that Final TAC for the month of October, 2011 can be issued.

The Sub-Committee may like to discuss and approve the provisional figure of TAC for October, 2011.

D. 8 Major grid disturbances in the previous month (October, 2011)

As intimated by NERLDC, there was no major grid disturbance in the month of October, 2011.

The sub-Committee may kindly note.

D. 9 Any other item

D. 10 Date and Venue of next OCC

It is proposed to hold the 68th OCC meeting of NERPC on 9th December, 2011 (Friday). As per roster, Nagaland will be the host for 68th OCC meeting. The exact venue will be intimated in due course.
