



सत्यमेव जयते

भारत सरकार Government of India
विद्युत मंत्रालय Ministry of Power
उत्तर पूर्वी क्षेत्रीय विद्युत समिति
North Eastern Regional Power Committee
मेघालया स्टेट हाउसिंग फिनांस को-ऑपरेटिव सोसायटी लि. बिल्डिंग
Meghalaya State Housing Finance Co-Operative Society Ltd. Building
नांग्रिम हिल्स, शिल्लोंग - 793003
Nongrim Hills, Shillong - 793003.

SPEED POST/FAX

Ph : 0364-2520034

Fax: 0364-2520030

email: msnerpc@dataone.in

website: www.nerpc.nic.in

No. NERPC/AS/OCC/2009/ 3119-53-

Date: 24th September, 2009

To

1. Managing Director, AEGCL, Bijuli Bhawan, Guwahati - 781 001
2. Member (Tech), MeSEB, Lumjingshai, Short Round Road, Shillong - 793 001
3. Chief Engineer (WE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
4. Chief Engineer (EE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
5. Chief Engineer (P), Department of Power, Govt. of Nagaland, Kohima - 797 001
6. Chief Engineer (P), Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
7. Chief Engineer (P&E), Department of Power, Govt. of Mizoram, Aizawl - 796 001
8. General Manager, TSECL, Agartala - 799 001
9. GM, NERLDC, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
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. Vice President, PTCIL, 2nd Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi - 110022
16. AGM(BD), NVVN, Core5, 3rd Floor, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi - 110003
17. Member Secretary, ERPC, 14 Golf Club Road, Tollygunge, Kolkata-700033
18. Chief Engineer, GM Division, Central Electricity Authority, New Delhi - 110066

Sir,

Sub: Minutes of the 42nd OCC Meeting held on 11th September, 2009 at NERPC, Shillong.

The Minutes of the 42nd OCC Meeting of NERPC held on 11.09.2009 at NERPC Conference Hall, Shillong is enclosed for favour of kind information and necessary action please.

The minutes of 42nd OCC meeting is also made available in the website of NERPC www.nerpc.nic.in

Encl: As above

भवदीय / Yours faithfully,

(A. K. Jain) 24/9/2009
Superintending Engineer (O)

Copy to:

1. SA to Member(GO&D), CEA, Sewa Bhawan, R.K. Puram, New Delhi - 110066
2. Chief Engineer, AEGCL, Bijuli Bhawan, Guwahati - 781001
3. Chief Engineer, APGCL, Bijuli Bhawan, Guwahati - 781001
4. MD, CA DISCOM, Bijuli Bhawan, Guwahati - 781001
5. MD, UA DISCOM, Bijuli Bhawan, Guwahati - 781001
6. MD, LA DISCOM, Bijuli Bhawan, Guwahati - 781001
7. S.E. (Trans. & Dist), MeSEB Lumjingshai, Short Round Road, Shillong - 793 001
8. Head of SLDC, MeSEB, Lumjingshai, Short Round Road, Shillong - 793 001
9. Head of SLDC, Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
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. A.C.E. (Power-I), Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
13. Head of SLDC, Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
14. S.E. (Trans & Dist), Department of Power, Govt. of Mizoram, Aizawl - 796 001
15. Head of SLDC, Department of Power, Govt. of Mizoram, Aizawl - 796 001
16. Head of SLDC, TSECL, Agartala - 799 001
17. Chief Engineer(Elect), Loktak HEP, Vidyut Vihar, Kom Keirap, Manipur- 795124

North Eastern Regional Power Committee

MINUTES OF THE 42nd

OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

Date: 11/09/2009 (Friday)

Time: 10:30 hrs

Venue: “NERPC Conference Hall”, Shillong.

The List of Participants in the 42nd OCC Meeting is attached at **Annexure – I**

Sh. A.K.Jain, Superintending Engineer (Coml), NERPC welcomed all the participants to the 42nd OCC Meeting of NERPC and then introduced Shri B.K.Jain, who has assumed the charge of Member Secretary of NERPC w.e.f 09.09.2009. He informed the house that Shri B.K.Jain has wide experience in Grid Management, Transmission Planning & Design and stated that his wide experience would benefit NERPC.

Shri B.K.Jain, Member Secretary welcomed the participants and requested co-operation from the constituents for secure operation of NER grid. He then briefed about the performance of the grid during the month of August, 2009. While highlighting the system performance during the month of August, 2009, he mentioned that the performance of the grid has shown improvement as compared to previous month i.e. July, 2009 and this was mainly due to increased hydro availability during August, 2009 in the region. The gist of grid performance is given below:

SN	Parameter	August 2009	July 2009
FREQUENCY BEHAVIOUR			
1	Average Frequency	49.43 Hz	49.67 Hz
2	Minimum Frequency	48.60 Hz on 12 th @ 0703 hrs	48.74 hrs
3	Maximum Frequency	50.59 Hz on 26 th @ 1000 hrs	50.57 Hz
4	49.2Hz < f < 50.3 Hz	For 74.69 % of time	94.61 %
5	f < 49.2 Hz	For 25.17 % of time	5.07 %
6	f > 50.3 Hz	For 0.13 % of time	0.32 %

DEMAND & ENERGY SCENARIO			
1	Regional Peak Demand	1760 MW - an increase of 5.7 %	1665 MW
2	Energy Requirement	853.23 MU	814.41 MU
3	Regional Energy Availability	735.77 MU - Increase of 3.73 %	709.34 MU
4	Rise in Demand met as compared to July 2009	Highest @ 15.56 % in Tripura	
		Then @ 14.63 % in Nagaland	
		Then @ 10.77 % in Arunachal Pradesh	
		Then @ 3.66 % in Manipur	
5	Drop in Demand met as compared to July 2009	Deepest @ 9.84 % in Mizoram	
		Then @ 8.40 % in Meghalaya	
		Then @ 4.78 % in Assam	

Thereafter, he requested Shri B. Sarkhel, Superintending Engineer (O), NERPC to take up the agenda items for discussion.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 41st MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

Superintending Engineer (Operation), NERPC stated that the minutes of 41st meeting of Operation Sub-committee held on 12th August, 2009 were circulated vide letter No. NERPC/AS/OCC/2009/2635-70 dated 24th August, 2009. NERLDC informed that the detailed deliberation on the issue of "Special Protection Scheme in NER" needs to be incorporated in the MOM.

Member Secretary requested NERLDC to give specific amendments, if any to be incorporated in the minutes of the 41st OCC Meeting. He however informed that this issue has been kept as additional item to be discussed again in the present meeting and views of NERLDC shall be recorded appropriately and minutes of last meeting may be confirmed.

NERLDC agreed to the same.

The minutes of the 41st OCC Meeting were confirmed, as no other observations or comments were received from any of the constituents.

B. Operational Performance & Grid Discipline during August, 2009.

The sub-committee noted about the grid performance during the month of August, 2009 as follows:-

As per the data made available by NERLDC, the average frequency during August, 2009 was 49.43 Hz compared to 49.67 Hz in the previous month. The minimum frequency in August, 2009 was 48.60 Hz (12.08.09 at 07:03 hrs) and maximum frequency was 50.59 Hz (26.08.09 at 10:00 hrs) as against corresponding values of 48.74 Hz and 50.57 Hz respectively in the previous month. The system frequency remained within permissible range of 49.2 Hz to 50.3 Hz for 74.69 % of the time, below 49.2 Hz for 25.17 % and above 50.3 Hz for 0.13 % of time. During previous month i.e. July 2009, the system frequency remained within range of 49.2 Hz to 50.3 Hz for 94.61 % of the time, below 49.2 Hz for 5.07 % and above 50.3 Hz for 0.32 % of time. The regional peak demand in August 2009 was 1760 MW as compared to 1665 MW in July, 2009 an increase of 5.70 % over the previous month. The energy requirement was 853.23 MUs compared to 814.41 MUs in the previous month. The regional energy availability in August 2009 was 735.77 MUs compared to 709.34 MUs in the previous month- an increase of 3.73 % over the previous month. The rise in demand met was highest in Tripura (15.56%) followed by Nagaland (14.63 %), Arunachal Pradesh (10.77 %) and Manipur (3.66 %) over the previous month. The reduction in demand met was highest in Mizoram (9.84 %) followed by Meghalaya (8.40 %) and Assam (4.78 %) over the previous month viz. July, 2009.

High voltages at 400 kV substations were observed at Balipara and Misa where maximum voltage observed was 431 kV at both the S/S. Voltages at 220 kV and 132kV S/S were within limits. Aizawl 132 kV S/S experienced low voltage of 117 kV.

Member Secretary enquired from NEEPCO about the present status of their generating stations.

NEEPCO informed that that Kathalguri GBP is now generating around 150 MW with two running gas compressors, however by the end of September, 2009 it will be able to generate around 200 MW with three gas compressors. They also informed about the acidic nature of water in Kopili/Khandong HEP pondage due to open cast mining activities in the surrounding areas which has caused damages to the machines. It was informed that the issue has been taken up with concerned agencies to mitigate this problem and NEEPCO has now proposed to hold a seminar on this issue in the month of October, 2009. Since this matter is very important to reduce the number of outages of the hydro units the sub-Committee agreed to refer this agenda in the next TCC/RPC meetings of NERPC.

NEEPCO also informed that Kopili HEP unit #3 and Doyang HEP unit #2 which suffered outages on 23.04.2009 & 16.08.2009 respectively, are expected to be restored by 10.10.2009 & 31.12.2009 respectively.

NERPC, requested NEEPCO to ensure availability of all the units of their generating stations so that expected increase in power demand in NER during the winter months could be met.

Thereafter, NERLDC presented the grid performance during August, 09 and the details of which are enclosed at **Annexure-II**.

The Sub-committee noted as above.

FOLLOW UP ACTION

C. 1. Non-functioning of SCADA in Arunachal Pradesh state

During the 41st OCC meeting, PGCIL had agreed to provide the particulars of the supplier, modem specification for procurement by Arunachal Pradesh and handing over the same to BSNL at Shillong end for its installation so that the leased line and data transfer between NERLDC and SLDC, Itanagar were restored.

Arunachal Pradesh informed that they have in the meantime written a letter to PGCIL to furnish the details but till date, they have not received any communication in this regard from PGCIL.

PGCIL informed that all the necessary details of the modem are now available with them and the same were handed over to Arunachal Pradesh during the meeting.

Member Secretary requested PGCIL to assist Arunachal Pradesh in this matter so that the link can be restored at the earliest.

The Sub-committee requested Arunachal Pradesh to procure the compatible modem and hand over to BSNL, Shillong for restoring this leased line. Arunachal Pradesh informed that it may take two months to complete the procurement & installation process.

The sub-Committee noted as above.

C. 2. Installation of Under Frequency Load-shedding Relays (UFRs) in NER

During 41st OCC Meeting of NERPC held on 12th August, 2009, Assam representative had informed that identification of feeders for obtaining necessary load relief through the UFRs is under process and the same would be completed by September, 2009. Meghalaya representatives had also stated that the necessary details were being worked out and the same would be furnished to NERPC by end of August, 2009.

Member Secretary enquired about the status from Assam and Meghalaya as required information is still awaited from them.

Assam representative informed that they have already identified the distribution feeders and the same was conveyed to all the 3 Distribution Companies for further feedback and consent. The information was received only from Upper Assam DISCOM, whereas the same is still awaited from other two DISCOMs. Once received, the same would be furnished to NERPC. They also informed that a few UFRs were installed at some of feeders but the status of their operation was not known to them, and they need to be thoroughly checked and tested. However, the identified list of feeders on which UFRs would be installed, will be furnished by the end of September, 2009.

Meghalaya also informed that they have referred to their distribution wing and the reply (feedback) is expected by September, 2009 when they will be in a position to furnish the list of feeders.

Arunachal Pradesh and Mizoram also informed that they would furnish the list of feeders by the end of September, 2009.

Assam and Meghalaya representatives in the meeting requested NERPC to write to their management for speedy procurement action of the new UFRs. Member Secretary agreed to write to their management after receiving the list of feeders from them but requested the constituent states to take up the matter separately with their respective management also.

The sub-Committee noted as above.

C. 3 Energy metering issues in NER

It was informed that during the 41st OCC Meeting, the OCC Sub-committee had requested NERTS, PGCIL for arranging to deliver the converters for secured meters to the respective constituents' sites at the earliest as per the schedule enclosed at **Annexure – C.3**) as this matter needed urgent attention.

Member Secretary enquired from PGCIL about the action in this regard.

PGCIL informed that out of 36 nos. L&T meters planned for installation at various locations, 22 nos. meters have already been installed and installation of balance 14 nos. meters will be completed by end of October, 2009. The installation of L&T meters at important stations like Loktak (8nos.), Mariani (5 nos.) and Ziro (1 no.) will be completed by 15.10.2009.

The sub-Committee noted as above.

C. 4 Replacement of aging Breakers of 220 kV BTPS – Salakati I & II at BTPS end

During the 41st OCC the OCC, the Committee had requested Assam to look into the matter of maintenance of Sub-stations & bays equipment at Salakati & BTPS ends. The sub-Committee had also requested PGCIL to provide details of all other similar sub-stations/bays ownership in NER so that the role of

organizations/utilities for carrying out the O&M activities could be clearly established and trouble-free operation of the sub-station/bay equipments is ensured for grid security.

PGCIL informed that the two bays at BTPS for Salakati I&II feeders are not owned by them and their maintenance is limited to transmission lines only. PGCIL further stated that the above bays could be maintained by them only if the ownership is transferred to them.

Assam representative stated that the bays at BTPS were owned by APGCL and they have taken up the matter with them so that the bays could be taken over by their transmission company for replacement of old CBs at BTPS end. Member Secretary, NERPC requested Assam representative to ensure maintenance of bay equipment at BTPS till the matter is settled between AEGCL and APGCL as any interruption at BTPS end would adversely affect power supply to Assam.

NERPC also requested PGCIL to furnish details of ownership of similar sub-station bays located in the region where PGCIL is not carrying out O&M works so that equipment replacement and maintenance activities are undertaken by the concerned owners in future.

PGCIL agreed to furnish the above details before the next OCC meeting.

The sub-Committee noted as above.

C. 5 Single Phase Auto-reclosure of Transmission lines.

Member Secretary informed that items under **Annexure – C.5** (Sl Nos 23 – 30) are under the scope of NEEPCO and requested NEEPCO to take up action in respect of above.

NEEPCO informed that all the three lines emanating from R.C.Nagar (i.e. R.C.Nagar-Kumarghat in Sl. No 19) are equipped with single phase auto-reclosure. Khandong – Khliehriat (Sl. No 27) is equipped with 3-phase auto-reclosure (MOCB of BHEL make). Further, NEEPCO informed that out of 4 lines emanating from Khandong, 3 lines are equipped with single phase auto-reclosure and only one line has 3 phase gang operated CB.

Member Secretary emphasized that wherever 3-phase Gang Operated CBs exists, the same need to be replaced with 1-phase CB in order to incorporate single phase auto reclosure facility.

PGCIL opined that replacement of gang operated 3 –phase CB which are new may not be feasible.

Member Secretary, NERPC emphasized that for grid security point of view, single phase auto-reclosing is essential since transient nature of faults are common in NER. He requested PGCIL to make a list of old and new 3-phase & single phase CBs and the same should be furnished before the next OCC meeting so that action can be taken in regard to 3 – phase CBs replacement. He also requested PGCIL to furnish the details of ownership of CBs from Sl. Nos. 8 – 33 of Annexure C.5 to identify the organization which has to take action for operationalization of single phase auto-reclosing scheme.

PGCIL agreed to furnish the above details before the next OCC meeting.

C. 6 Special Protection Schemes (SPS) for Vulnerable 132 kV NER Pockets .

As decided in the Special TCC of NERPC meeting held at Guwahati on 03.07.09, the implementation of Special Protection schemes for NER was to be made operational w.e.f 1st August, 2009 till 31st October, 2009 for three months on experimental basis (during high hydro period). In the 40th OCC meeting held on 13.07.2009, the issue was discussed in detail for its operational aspects relating to implementation of the scheme. Further, in the 41st OCC meeting, NERLDC furnished details of activities requiring wiring and activation of inter-trip scheme as enclosed at **Annexure – C.6**, mentioning actions to be taken by the constituents. It was also informed by NERLDC that for 132 KV Imphal – Imphal line all the works necessary for tripping have been carried out by NERTS, PGCIL, whereas, 132 KV Loktak – Ningthoukhong line, the protection coupler at Loktak end was to be done by NHPC.

In view of above, NERPC also vide letter dated 03.09.09 (copy enclosed at Annexure C.6) requested Dept. of Power, Govt. of Manipur to agree on keeping 132 KV Ningthoukhong – Imphal line open for successful implementation of the

scheme as decided, since NERTS, PGCIL had completed necessary works for Imphal (PG) – Imphal line tripping at PGCIL end. However, the consent from Manipur is still awaited in this regard.

On review of progress activities, NERLDC informed that Imphal – Imphal and Panchgram – Lumshnong (as per Sl. No 1 a & b of Annexure C.6) have been completed by PGCIL. In respect of item 1 c & d MeSEB stated that the wiring and connection would be completed within two months.

Member Secretary requested MeSEB to expedite the activities and complete within one month so that the scheme could be implemented during October, 2009.

The sub-Committee noted as above.

D. NEW ITEMS

D. 1 Long outage of Circuit Breaker at Kopili end of 220 KV Kopili – Misa Ckt – II – NERLDC

NEEPCO informed that CB erection is almost complete and Crompton Greaves Ltd which is the executing agency has already sent the team of engineers to the site for testing and commissioning and the CB will be restored within a week time.

The sub-Committee noted as above.

D. 2 Nomination for Disaster Management - NERLDC

NERLDC made a presentation on disaster management in power sector and apprised the committee about the role assigned to NLDC and RLDC etc.

In the presentation NERLDC informed about the structure of disaster management system. A four tier structures of disaster management with responsibilities assigned to various groups are given below:

- Central Level (NLDC)
- Regional Level (RLDCs)
- State Level (SLDCs)
- Plant Level

Regional Level Disaster Management Group (RDMG)

Composition:

- Secretary in-charge of Rehabilitation and Relief of the States of the Region
- Representatives of each State Civil Defense
- Director (Operation), POWERGRID
- Director (Operation), NTPC
- Director (Operation), NHPC
- HODs of Regional CPSUs
- HODs of RPCs, RLDCs

Responsibilities:

- To provide inter-state emergency & start up power supply
- To coordinate early restoration of transmission system
- To participate in damage assessment

State Level Disaster Management Group (SDMG)

Composition:

- Principal Secretary/Secretary (Energy) of the State
- Chairman, SEB
- CEOs of Generating, Transmission, Distribution companies
- Representatives of health and welfare agencies
- Chief of fire safety
- Inspector General Police

Responsibilities:

- To mobilize resources for restoration
- To ensure that disaster management plans are in place
- To mobilize financial resources
- To facilitate inter-agency support
- To coordinate information
- To facilitate damage assessment

The presentation given by NERLDC is given at **Annexure D.2**

NERLDC requested States to nominate officers from their respective organizations for interaction with NERLDC as NERLDC has to prepare regional disaster management plan for North Eastern Region.

It was decided that all the constituents shall furnish the details of nodal officers i.e. the names, designation, contact details etc. at the earliest after consulting their management to NERLDC.

D. 3 State-wise Anticipated peak demand/requirement, shortage for June, 2009 and July, 2009

In respect of above, the sub-Committee reviewed the anticipated peak demand/energy requirement and the sub-Committee finalized the same for the month of September, October and November 2009 as given below.

September, 2009 October, 2009 November, 2009

S.No.	State	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)
1	Arunachal Pradesh	95	80	90	80	85	75
2	Assam	950	880	880	800	850	780
3	Manipur	110	95	100	90	100	90
4	Meghalaya	290	240	270	240	270	250
5	Mizoram	65	60	65	60	65	60
6	Nagaland	90	85	90	85	95	40
7	Tripura	160/175*	145	160	150	160	140
	Region	1760	1585				

*** For the period during 23.09.2009 to 03.10.2009.**

Member Secretary informed that the methodology adopted by CEA for estimation for energy requirement and peak demand (MW) for the next year based on the actual power supply position of previous years will be made available by NERPC to all the constituents so that similar methodology is followed by all the constituents so that anticipated demand projection are realistic and rational. The methodology followed by CEA is used for preparation of Load Generation Balance Report (LGBR). A Copy of the methodology followed by CEA is enclosed at **Annexure D.3.**

The sub-Committee noted as above.

D. 4 Generation Outage Planning (ongoing and planned outages)

It was informed that the no proposal for planned outage for generating units is envisaged for the month of October, 2009.

The sub-Committee noted as above.

D. 5 Outage Planning of Transmission elements

The Sub-committee discussed and approved the programme of transmission line outages as proposed by PGCIL for the months of September, 2009. The same is enclosed at **Annexure D. 5.**

D. 6 Restriction on Quantum of under-drawal by NER constituents whenever constraints in ER Network prevail - MeSEB

MeSEB informed that inspite of very less quantum of under-drawal, MeSEB has to comply with the NERLDC's instructions to further reduce the quantum of under-drawal. MeSEB , requested that quantum of under drawal by different constituents of NER should be considered by NERLDC before giving such instruction.

NERLDC informed that whenever they received the instructions from ERLDC to restrict the injection by NER to reduce loading of inter-regional links and other transmission lines, NERLDC issues general messages to all under drawing beneficiaries of NER to maintain their schedules. Further, they stated that the figures of quantum is changing every moment, it would not be possible during real time operation to quantify the quantum of under drawal for each constituent.

Member Secretary requested all the constituents to co-operate with NERLDC for grid security and also requested them to give their schedule in a realistic manner depending upon their estimated load in different time slots to avoid under drawal.

The sub-Committee noted as above.

D. 7 Incorrect quantum of overdrawal mentioned by NERLDC - MeSEB

MeSEB informed that some time the RTU at Khliehriat (PGCIL) is not functioning for half an hour or more, the SCADA data shown after the RTU is restored during

non-functioning period is not correct and based on real time operation. MeSEB therefore requested NERLDC to counter check the data with RTU of Khliehriat (MeSEB) before giving instruction to SLDC. They further stated that due to non-functioning of RTU, sometimes it led to overloading of line. RTU is very important device to monitor the operation of the grid and requested NERLDC to interact with Khliehriat S/S whenever the problem arises to restore the RTU at the earliest. Incorrect operational data should not be used for giving instruction as Meghalaya was asked to reduce drawal from grid even when its drawal was within limits and faces punishment.

NERLDC informed that data received from SCADA may not be correct sometime, due to non-functioning of some RTUs and suggested that Meghalaya SLDC should interact with NERLDC for removal of any difficulties in following the instructions of NERLDC. Further, they stated that based on SCADA data received in real time operation they pass on the instruction to constituents. The commercial matters are decided based on SEM data viz. over drawal, under drawal, frequency etc. The question of overdrawal at very low frequency based on real time data punishable under Clause 6.4.7 of IEGC therefore does not arise.

Member Secretary opined that SLDCs should interact with NERLDC more frequently to avoid any communication gap and correction of real time data due to failure of RTUs.

The sub-Committee noted as above.

D. 8 Revision of power allocation of unallocated power of NTPC stations of ER and CGS of other regions - MeSEB

Member Secretary informed that revised allocation from unallocated quota of ISGS of ER was issued by MOP in the evening of the 21.08.09 to be effective from 22.08.09. CEA has to work out allocation of all the beneficiaries in all the regions and intimate respective RPCs, who in turn intimate the respective SLDCs. It appears that communication from CEA was received late in NERPC/NERLDC; whereas ERPC/ERLDC had implemented the revised allocation w.e.f. 22.08.2009. He further informed that NERPC has taken up the matter with ERPC to find a solution acceptable to them but as of now the date of implementation of revised allocation shall remain i.e. 22.08.2209 as per GOI directive.

MeSEB stated that revision of power allocation is frequently done and only Meghalaya was affected, whereas Assam and Nagaland were not affected. Moreover, for implementation of revised allocation some time should be given so that the affected State (s) get some time to plan their demand management.

Member Secretary informed that revision of unallocated power of ISGS lies with MOP and any direction from MOP has to be complied. Frequent revision of allocation of unallocated power was necessitated due to draught like situation prevailing in Northern region and to meet the agricultural load of states in Northern & Eastern regions. He requested MeSEB to take up the matter with MOP directly for allocation from unallocated power.

The sub-Committee noted as above.

D. 9 Status of “Missing link” in transmission project in NER - MeSEB

PGCIL informed that the Kopili ICT will be ready by the end of October, 2009. Also, the Kopili – Khandong line will be ready by December, 2009.

The sub-Committee noted as above.

D. 10 Low machine availability from hydro stations during the current monsoon - MeSEB

NERLDC informed that the unit no. III of Loktak HEP of NHPC was already re-commissioned after R&M on 09.09.2009. The availability of other generating units of the power stations in NER were already discussed under item no. “B” during the proceeding.

The sub-Committee noted as above.

D. 11 Estimated Transmission Availability Certificate (TAC) for the month of July, 2009.

The estimated Transmission System Availability for the month of August, 2009 as furnished by PGCIL was intimated as **99.6476%** as per details at **Annexure D. 11**. The constituents were requested to examine the outage details indicated by PGCIL before 20.09.2009 so as to ensure issue of certification by NERPC before the stipulated date i.e. 30.09.2009.

D. 12 Review of Grid performance for August, 2009

The data relating to regional generation, inter-regional energy exchange, average frequency during the month of July, 2009 in relation to June, 2009 data is as below:

The data relating to regional generation, inter-regional energy exchange, average frequency during the month of August, 2009 in relation to July, 2009 data is as below:

	<u>During Aug' 09</u>	<u>During July' 09</u>
1. Total Generation(gross) in NER:	910.236 MU	796.075 MU
2. Total Central Sector Gen (gross) in NER:	606.536 MU	501.470 MU
3. Inter-regional energy exchange:		
(a) NER – ER :	156.61 MU	80.92 MU
(b) ER – NER :	32.02 MU	49.89 MU
(c) Net import :	-124.59 MU	-39.03 MU
4. Average frequency :	49.43 Hz	49.67 Hz

D. 13 Major grid disturbances in the previous month (August , 2009)

There was no major grid disturbance during the month of August, 2009.

- (i) However, NERLDC informed that interruption in Nagaland & Manipur sub-system on the 16.08.2009 at 1522 Hrs, was that, the sub-system was connected through 132 KV Dimapur – Mariani & 132 KV Loktak – Jiribam – II lines and at that moment Doyang HEP was generating around 68 MW & Loktak HEP with 4 MW only (due to low reservoir level). Total load of sub-system was around 85 MW. Few minutes before tripping of 132 KV Dimapur – Mariani line all the machines of Doyang HEP tripped and full load was catered through above lines. Loktak was advised to raise their generation due to tripping of DHEP machines, but unfortunately before Loktak could maximize generation, the 132 KV Dimapur – Mariani line tripped and caused the interruption. Finally, the affected parts restored progressively by 1550 hrs on 16.08.2009. Detail of occurrence is enclosed at **Annexure – D. 13.**

The Sub-committee noted as above.

D. 14 Any other item

(i) Stringing of 400 KV D/C Balipara - Misa. – PGCIL

PGCIL informed that it has been observed that during off-peak period one of the circuit of 400 KV Balipara – Ranganadi line remains out due to high voltage. PGCIL therefore, wanted to avail this opportunity for replacement of already identified defective insulator strings and further stated that this replacement work shall not be treated in to PGCIL's account of line outage as the same has been carried out during the period when line remains out due to high voltage for which the OCC committee had given consent.

The Sub-committee agreed to above.

(ii) Special scheme for power supply to Tripura during Puja festival. – NERLDC

NERLDC prepared a special scheme for additional power supply to Tripura during the Durga Puja festival commencing from 24.09.09 to 03.10.09. MeSEB and Mizoram agreed to extend the assistance as was done in the previous year. The detailed plan is enclosed at **Annexure – D.14.**

The sub-Committee noted the above.

D. 15 Date and Venue of next OCC

It is proposed to hold the 43rd OCC meeting of NERPC on 9th October, 2009 (Friday). The exact venue will be intimated in due course.

The meeting ended with thanks to the chair.

List of Participants in the 42nd OCC meeting held on 11/09/2009

Venue : NERPC Conference Hall, Shillong

Sl. No	Name & Designation	Organization	Contact No. /e-mail ID
1	W. Rehman, EE (E), SLDC	Arunachal Pradesh	09436050735
2	Sh. H. Hazarika, DGM, LDC	AEGCL (Assam)	09854809104
3.	Sh. A.K.Saikia, Sr. Manager, SLDC	AEGCL (Assam)	09864116176
4.	No Representative	Manipur	
5.	Sh. T. Passah, SE, SLDC,	Meghalaya	09436100655
6.	Sh. F. E. Kharshiing, EE, SLDC,	Meghalaya	09863066960
7.	Sh. Saphnehzova, EE (Planning)	P&E, Mizoram	09862626299
8.	Sh. H. Lalnunnsanga, A.E	P&E, Mizoram	09436144651
9.	No Representative	P&E, Nagaland	09436004928
10.	No Representative	Tripura	
11.	Sh. T.S.Singh, Dy. G.Manager	NERLDC	09436302714
12.	Sh. N.R.Paul, CM	NERLDC	09436302723
13.	Sh. A. Kumar, AE	NERLDC	
14.	Sh. Utpal Sharma, CM (O&M)	NERTS	09436302980
15.	Sh. D.C.Das, Sr. Mgr	NEEPCO	09436309713
16.	Sh. B.R. Bhattacharya, Mgr	NEEPCO	09436122456
17.	Sh. B.K.Jain, MS	NERPC	09436706436
18.	Sh.A.K.Jain, SE (Coml	NERPC	0364-2520038
19.	Sh.B. Sarkhel, SE (O)	NERPC	09436705479
20.	Sh.B. Lyngkhoi, AS	NERPC	09436163419
21.	Sh. Satbir Singh, EE	NERPC	
22.	Sh. S.M.Aimol, AEE	NERPC	09863311203
23.	Sh. D.N.Bauri, AEE	NERPC	09863317236

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Annexure – D.5

The Shutdown Programme for the month of September, 2009 as approved in the 42nd OCC Meeting held at NERPC, Shillong on the 11.09.2009 are as follows:

Sl. No	Name of T/L	S/D Date	S/D Time	Purpose	Areas/Feeder affected	Agency
1.	132 KV Gohpur – Itanagar	15.09.2009	08.00 hrs to 16:00 hrs	AMP	Gohpur – Itanagar	PGCIL
2.	132 KV Khandong – Kopili	19.09.2009			Khandong – Kopili	PGCIL
3.	132 KV Kumarghat – R.C.Nagar	15.09.2009	08:00 hrs to 14:00 hrs	AMP	Kumarghat-R.C.Nagar	PGCIL
4.	220 KV Misa – Samaguri - I	12.09.2009	08:00 hrs to 14:00 hrs	AMP	Misa – Samaguri - I	PGCIL
5.	220 KV Misa – Samaguri - II	14.09.2009		AMP	Misa – Samaguri - II	PGCIL
6.	400 KV Bongaigoan – Balipara I	21.09.2009 & 22.09.2009		AMP	Bongaigoan – Balipara I	PGCIL
7.	400 KV Bongaigoan – Balipara II	29.09.2009 & 30.09.2009		AMP	Bongaigoan – Balipara II	PGCIL

Note: All the associates bays maintenance would be done during the shutdown of respective Transmission lines.

Sl. No	NAME OF SUB-STATION/BAYS/ICT/ REACTOR	S/D Date	S/D Time	Purpose	Areas/Feeder affected	Agency
1.	132 KV Main Bus at Nirjuli	15.09.2009	08.00 hrs to 16:00 hrs	AMP	Gohpur – Itanagar, ICT – I & II	PGCIL
2.	33 KV Incomer Bay at Misa	21.09.2009 & 22.09.2009	09.00 hrs to 15:00 hrs		33 KV Bus Bar, Tertiary Reactor – I, II, III & IV and 1 MVA Aux. Transformer	PGCIL