



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- आपरेटिव सोसायटी लि. बिल्डिंग
Meghalaya State Housing Finance Co-Operative Society Ltd.
Building
नांग्रिम हिल्स, शिल्लोंग - 793003
Nongrim Hills, Shillong - 793003.



(आई.एस.ओ.: 9001.2000)

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No. NERPC/AS/OCC/2010/ 2924-56

Date: 23rd September, 2010

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, Dongtieh-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, Dongtieh-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 54th OCC Meeting held on 14th September, 2010 at Shillong.

The Minutes of the 54th OCC Meeting of NERPC held on 14.09.2010 at "NERLDC Conference Hall", Shillong 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

Encl: As above

भवदीय / 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 54th

OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

Date: 14/09/2010 (Tuesday)

Time: 10:30 hrs

Venue: "NERLDC Conference Hall," Shillong.

The List of Participants in the 54th OCC Meeting is attached at **Annexure - I**

Shri P.D. Siwal, Member Secretary (I/C), NERPC welcomed all the participants of the 54th OCC. He informed that the 54th OCC meeting was scheduled to be held in Aizawl on the 8th September, 2010. However, due to unavoidable circumstances the meeting was postponed. He also appreciated the Dept. of Power, Govt. of Mizoram about the effort for preparing to hold this meeting and stated that inconvenience caused is deeply regretted.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 53rd MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

Member Secretary I/C mentioned that the minutes of the 53rd meeting of the OCC held on 6th August, 2010 at Shillong were circulated to all the concerned, vide letter no. NERPC/AS/OCC/2010/2086 – 120, dated 16th August, 2010.

As no comment was received from any of the constituents, the minutes of the 53rd OCC Meeting were confirmed.

Member Secretary I/C requested NERLDC to give their presentation about the grid performance during the month of August, 2010.

ITEMS FOR DISCUSSION

B. Operational Performance & Grid Discipline during August, 2010.

NERLDC gave presentation that included the following key parameters:-

- i) **Average frequency** during August, 2010 was 49.85 Hz, as compared to 49.82 Hz in July'10.
- ii) **Minimum frequency** in August, 2010 was 48.73 Hz (10.08.10 at 00:09 hrs) compared to 48.71 Hz in the previous month.
- iii) **Maximum frequency** was 50.63 Hz (20.08.10 at 06:05 hrs), as compared to 50.72 Hz in July'10.
- iv) **System frequency** remained within permissible range of 49.5 Hz to 50.2 Hz for 87.33 % of the time, below 49.5 Hz for 7.61 % and above 50.2 Hz for 5.06 % of the time as compared to 84.27 %, 9.88 % and 5.85 % of the time respectively in the previous month.
- v) **Regional peak** demand in August, 2010 was 1754 MW as compared to 1748MW in July, 2010 an increase of 0.34 % over the previous month.
- vi) **Energy requirement** was 946.24 MUs in August, 2010 compared to 921.04 MUs in July, 2010 an increase of 2.74% over the previous month.
- vii) **Regional energy availability** in August, 2010 was 858.91 MUs compared to 839.96 MUs in the previous month, an increase of 2.26 % over the previous month.
- viii) **Rise in demand met** was recorded in Arunachal Pradesh (15.07%), Tripura (5.48%), Manipur (3%) & Meghalaya (1.47%) over the previous month.
- ix) **Drop in demand met** was recorded in Nagaland (8.82%) & Assam (1.52%) over the previous month viz. July, 2010.
- x) **Over Voltages** at 400 kV substations were observed at Misa, Balipara and Bongaigaon where maximum voltage observed were 432 KV, 426 KV and 422 KV respectively.
- xi) **No over Voltages** were observed at 220kV S/S and 132 kV S/S.
- xii) **No under Voltages** were observed at 400 KV, 220kV and 132 kV S/S (s)
- xiii) **Regional Generation & Inter-regional Exchanges:** During the month of August, 2010 compared to July, 2010 is given below:

SN	Parameter	August, 2010	July, 2010
REGIONAL GENERATION & INTER - REGIONAL EXCHANGES (in MU)			
1	Total Generation in NER (Gross)	957.029	934.573
2	Total Central Sector Generation in NER (Gross)	659.850	649.780
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	128.80	134.31
	(b) ER - NER	53.40	53.13
	(c) Net export	75.40	81.18

Detail of various parameters indicating grid performance, during the month of July, 2010, are enclosed at **Annexure-II.**

The Sub-committee noted as above.

Thereafter Member Secretary I/C requested Shri. B. Lyngkhoi, Assistant Secretary (AS), NERPC, to take up the agenda items for discussion.

FOLLOW UP ACTION

C. 1. Quarterly Monitoring of Preparedness on Disaster Management in NER

AS, NERPC informed that the gists of the guidelines (received from AEGCL) were circulated along with the 53rd OCC Minutes. He stated that guidelines given by AEGCL were very resourceful and requested remaining constituents who have not furnished the Disaster Management Report to send at the earliest. Only Assam & NEEPCO have furnished the 1st Quarterly Report.

Meghalaya representative informed that the Report is finalized and the same would be sent to NERPC at the earliest.

Nagaland representative informed that Directorate of Civil (Defence) under Home Department is the Nodal Agency for Disaster Management and requested NERPC Secretariat to write to them. NERPC agreed.

Since no representatives were present from other constituents the status could not be updated.

The Sub-committee noted as above.

C. 2. Non-functioning of SCADA in Arunachal Pradesh state

DGM, Power Grid informed that new modem was received from Dept. of Power, Arunachal Pradesh and the same would be handed over to BSNL, Shillong for installation and replacement of the faulty modem.

The sub-Committee noted as above.

C. 3 Single Phase Auto-reclosure (SPAR) of Transmission lines.

DGM, Power Grid informed that the copy of action plan has been furnished during the last OCC Meeting (enclosed at **Annexure - C.3.**). He further informed that some of the lines are not compatible and procurement of compatible CBs have to be made for installation of SPAR. He however assured that installation of SPAR would be completed within the current financial year.

Member Secretary I/C requested Power Grid to carry out the work with those lines which are compatible and the remaining lines would be carried out in later stage. Power Grid agreed.

The sub-Committee noted as above.

C. 4 Status of 132 KV Kopili – Khandong 2nd Ckt.

DGM, PGCIL informed that the file is pending with PCCF, Govt. of Assam and they have assured that the same would be forwarded to Commissioner, Forests, Govt. of Assam by 16.09.2010 and onward to Regional Office of Ministry of Environmental & Forests, Shillong. They stated that once the forest clearance is obtained the construction of the remaining portion of the line would not take much time. However, DGM, POWERGRID informed that as decided during the 9th NERPC meeting they would go ahead with Installation of ERS. He further stated that POWERGRID has made a proposal for taking shutdown of Kopili – Khandong Ckt-I for installation of ERS of 132 KV Kopili – Khandong Ckt- II.

The sub-Committee requested POWERGRID to pursue the case with the Ministry of E&F to get the clearance and complete the line at the earliest.

C. 5 Installation of Line Reactor at Kathalguri end of Misa – Kathalguri line:

AS, NERPC stated that during the 9th NERPC meeting, It was agreed that POWERGRID will execute the scheme on behalf of NEEPCO as deposit work and enquired from POWERGRID about the current status.

DGM, POWERGRID requested NEEPCO to write to them for submission of the proposal/offer in respect of the line reactor at Kathalguri end of Misa – Kathalguri line as deposit work. NEEPCO agreed and also informed that the matter has been referred to their management for consideration of the proposal.

The Sub-committee noted as above.

D. NEW ITEMS

D.1.1 Installation of Energy Meters (SEM) at Loktak Power Station.

AS, NERPC enquired from POWERGRID about the current status of installation of SEM at Loktak Power Station.

DGM, POWERGRID informed that SEMs have been received by them but the new meters could not be installed due to incompatibility of software with the SEMs. He informed that some modification in software has to be carried out by the Agency (L&T) and the SEMs would be installed after receiving the modified software meters.

The Sub-committee noted as above.

D.2.1 Transmission constraints at 132 KV Ranganadi – Nirjuli section.

CGM, LD&C, Assam intimated that due to sharp increase of load in Arunachal Pradesh, the load at 132 KV Ranganadi – Nirjuli line has increased to a considerable extent resulting in overloading of the line especially during peak hours. He further stated that the load at this line caters to the entire load of two districts of Assam. The unrestricted load demand of the grid sub-stations of these areas stands at 57 MW. However, due to various factors, the load is normally restricted to 40/42 MW. This implies that 15 MW of shortfall already exists at

these sub-stations. As such further load restriction on account of the aforesaid constraint might result in deterioration of the law and order scenario in these districts. Assam therefore, solicits a firm quantum of at least 40 MW to be allowed for 132 KV Nirjuli – Gohpur line.

AGM, NERLDC informed that firm quantum of 40 MW power would not be possible as the same is depending on the availability of power and system conditions. He further stated that load of Arunachal Pradesh would go on increasing as well as in Assam areas. He suggested that unless Arunachal Pradesh constructs the line, on their own, from Ranganadi to Itanagar/Naharlahun of Arunachal Pradesh the problem would continue. He suggested that this issue may be referred to TCC/RPC for discussion. All constituents agreed to the suggestion of AGM, NERLDC.

The sub-Committee decided to refer the issue to TCC/RPC.

D. 2.2 Delay in commissioning of SF6 Breaker at Gohpur by Power Grid against 132 KV Nirjuli line:

CGM, LD&C, Assam intimated that the existing Circuit Breaker at Gohpur against 132 KV Gohpur – Nirjuli line has not only become obsolete but also is highly problematic. He stated that due to frequent tripping/outage of this breaker, prolonged and unscheduled interruption of power is being faced by the concerned areas. He requested POWERGRID to expedite the commissioning of the proposed SF6 breaker at the earliest and on top priority basis.

DGM, POWERGRID informed that proposal of procurement of CB is in progress and installation of CB would be completed during this financial year.

The sub-Committee noted as above.

D.3.1 Frequent tripping of 33 KV feeder of Arunachal Pradesh.

DGM, POWERGRID intimated that 33 KV feeders of Arunachal Pradesh connected through Nirjuli and Ziro Sub Station of POWERGRID frequently tripped. The transformer of Nirjuli and Ziro already failed due to catering huge nos. of faults in 33 KV lines of Arunachal Pradesh. He informed that:

(i) At Nirjuli = 184 nos. of tripping of 33KV lines during the period January 2010 to August 2010 @ 0.75 Tripping / day.

(ii) At Ziro = 230 nos. of tripping of 33KV lines during the period June 2010 to August, 2010 @ 2.5 Tripping / day.

Since no representative from Arunachal Pradesh was present the status could not be confirmed.

D.3.2 Installation of Bay equipments in 132 KV Naharlagun S/S of Dept. of Power, Arunachal Pradesh.

DGM, POWERGRID informed that they have procured the equipments and handed over to Arunachal Pradesh. CGM, LD&C, Assam informed that Dept. of Power, Govt. of Arunachal Pradesh has not yet installed the equipments. He requested NERPC to write to Power Dept. of Arunachal Pradesh so that the installation may be expedited to ensure reliable operation of system.

The sub-Committee requested NERPC to write to Dept. of Power, Govt. of Arunachal Pradesh to expedite the installation of bay equipments at Naharlagun S/S and monitor the no. of trippings for grid security.

D. 4 Generation Planning (ongoing and planned outages)

NEEPCO informed that the generation level in the month of September, 2010 shall be same as August, 2010.

The sub-Committee noted as above.

D. 5 Outage Planning Transmission elements

The Sub-committee **discussed and approved** the programme of outages during the months of September/October, 2010 for transmission lines as proposed by the PGCIL. The same is enclosed at **Annexure D. 5.**

D. 6 State-wise anticipated peak demand/requirement, shortage for September, October & November, 2010.

The sub-Committee reviewed anticipated "peak demand" & "peak availability" and finalized the same for the months of for August,

September & October, 2010. and details are given here below:

September, 2010

October, 2010

November, 2010

S.No.	State	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)
1	Ar. Pradesh	95	90	100	95	95	90
2	Assam	970	880	1023	890	1000	850
3	Manipur	100	95	115	100	100	95
4	Meghalaya	295	260*	300	270	290	260
5	Mizoram	75	60	75	55	70	55
6	Nagaland	95	85	110	95	105	90
7	Tripura	190	160*	220	190	200	180
	Region	1820	1535	1943	1695	1860	1620

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

D. 7 Estimated Transmission Availability Certificate (TAC) for the month of August, 2010.

The Final TAC certified by NERPC for the month of July, 2010 has been issued, vide letter No: NERPC/OP/TAC/2010/2581 dated 30.08.2010 is **99.5967%**)

The Estimated Transmission/System Availability for the month of August, 2010 furnished by PGCIL is **99.7905 %** as per details at **Annexure D. 7** (Copy of the same is also available at NERPC website). NER constituents are requested to kindly give their comments and observations, if any, by 27th September, 2010 so that Final TAC for the month of August, 2010 can be issued.

The sub-Committee noted as above.

D. 8 Major grid disturbances in the previous month (August , 2010)

The NERLDC informed that there was no major grid disturbance on August, 2010.

The sub-Committee noted as above.

D. 9 Any other item

i). AGM, NERLDC informed that it has been observed that some of the units of NEEPCO are not operated in FGMO mode. He requested NEEPCO & constituents to check whether their units are responded to restricted free governor mode.

Sr. Manager, NEEPCO informed that all their units are operated "**under governor in auto mode**", but regarding the response to restricted free governor mode they have taken up the matter with BHEL and requested them to visit the site and check the units to make the units response to restricted free governor mode as per IEGC.

The sub-Committee noted as above.

ii). CGM, LD&C, Assam, informed that NEEPCO had released reservoir water of KHEP and thereby wasting water without generation. He further stated that NEEPCO should have intimated the matter to beneficiary States so that the matter could have been avoided. He enquired about the reason for this incident from NEEPCO.

Sr. Manager, NEEPCO informed that out of seven units in KHEP, six units are running with grid and one unit of Kopili is under planned shut down for massive repairing of underwater parts. The excess water, beyond the capacity of reservoir, is released with prior information to the concerned authorities.

The sub-Committee noted as above.

iii). Sr. Manager, NEEPCO stated that Power Grid was to provide circuit breaker at Balipara end of Ranganadi-Balipara line as per record notes of discussion held at Ranganadi on 07.03.2007. However, even after a time gap of three & half years, POWERGRID has not yet installed the circuit breaker at Balipara. Power Grid informed that the material has reached the site and initiation for installation has started. The house requested NEEPCO to continue with the existing system for the interest of Grid stability while NERLDC would make utmost effort to reduce the number of operation to be undertaken by NEEPCO. The Sub Committee also requested Power Grid to complete the works by November, 2010.

NEEPCO opined that as per the commitment given by power grid during 50th OCC meeting held in May '2010, the work was supposed to be completed by September '2010 and the house requested NEEPCO to continue with the present system till September '2010.

After detail discussion, NEEPCO agreed to operate the isolator at Rangnadi end strictly as per the record notes of discussion till November, 2010.

D. 10 Date & Venue of next OCC meeting

It is proposed to hold the 55th OCC meeting of NERPC on 8th October, 2010 (Friday). The venue of meeting will be intimated in due course.

The meeting ended with a vote of thanks to the Chair.

List of Participants in the 54th OCC meeting held on 14/09/2010

Sl. No	Name & Designation	Organization	Contact No. /e-mail ID
1.	No Representative	Arunachal Pradesh	
2.	Sh. G. K. Das, CGM, LD&C	Assam	09435085129
3.	Sh. D.P. Das, CGM, AEGCL	Assam	09435047391
4.	Sh. A.K. Saikia Sr. Mgr, LD&C	Assam	09864116176
5.	Sh. F.E. Kharshiing EE, SLDC,	Meghalaya	09863066960
6.	Sh. T. Gidon,A EE, SLDC,	Meghalaya	03642550020
7.	No Representative	Mizoram	
8.	No Representative	Manipur	
9.	No Representative	Tripura	
10.	Sh. Bendang Longkumer, EE	Nagaland	09436004642
11.	Sh. T.S. Singh, AGM	NERLDC	09436302717
12.	Sh. N.R. Paul, DGM	NERLDC	09436302723
13.	Sh. Babul Roy, Sr. Engr	NERLDC	09436335377
14.	Sh Anupam Kumar, AE.	NERLDC	09436335379
15.	Sh. P.S. Stafford, DGM	NERTS	09436302806
16.	Sh. Bhaskar Goswami, Sr. Mgr	NEEPCO	09436163983
17.	Sh. B.K. Chakraborty, Sr. Manager	NEEPCO	09436309730
18.	Sh. P.D. Siwal, S.E (O)	NERPC	09436998378
19.	Sh.B. Lyngkholi, AS	NERPC	09436163419
20.	Sh. S.M. Aimol, AEE	NERPC	03642520046

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Shutdown Programme for the month of September, 2010
as approved in the 54th OCCM
held on 14.09.10 at "NERLDC Conference Hall", Shillong.

S/D PROGRAM FOR POWERGRID TRANSMISSION LINES & ITS ASSOCIATED BAYS:					
S/N	Name of Tr. Lines	Date	Time	Purpose	Areas / Feeders Affected
1	220KV Misa-Dimapur –I T/L	21-09-10, 22-09-10, 23-09-10, 24-09-10 & 25-09-10	8:00 Hrs to 16:00 Hrs	For changing defective insulator strings identified by PID scanning.	220KV Misa-Dimapur -I T/L
2	220KV Misa-Dimapur –II T/L	27-09-10, 28-09-10, 29-09-10, 30-09-10 & 01-10-10	8:00 Hrs to 16:00 Hrs	For changing defective insulator strings identified by PID scanning.	220KV Misa-Dimapur – II T/L
3	132 KV Dimapur-Imphal T/L	07-10-10, 08-10-10, 09-10-10, 10-10-10 & 11-10-10	8:00 Hrs to 16:00 Hrs	For changing defective insulator strings identified by PID scanning.	132 KV Dimapur-Imphal T/L
4	132 KV Kopili-Khandong T/L	03-10-10 to 06-10-10	Continuous	For erection of ERS for 132KV Kopili - Khandong-II new Ckt	132KV Kopili – Khandong T/L with 160 MVA Transformer
5	220KV Misa-Kopili-III	05-10-10	8:00 Hrs to 16:00 Hrs	For stringing of 132KV Kopili-Khandong-II new Ckt	220KV S/C Misa-Kopili-III
* NOTE : All the associated bay maintenance would be done during the S/D of respective Transmission Lines					

S/D PROGRAM FOR POWERGRID SUB-STATIONS / BAYS / ICTS/ REACTORS					
S/N	Name of Tr. Lines	Date	Time	Purpose	Areas / Feeders Affected
1	400KV New Siliguri -1 Main Bay at Bongaigaon S/S.	27-09-10	08:00 Hrs to 16:00 Hrs	AMP	New Siliguri-1 Main Bay at Bongaigaon S/S. Line will continue charged through Tie Bay
2	400KV Balipara -2 Tie Bay at Bongaigaon S/S.	28-09-10	08:00 Hrs to 16:00 Hrs	AMP	Balipara -2 Tie Bay at Bongaigaon S/S. Line will continue charged through Main Bay
3	400KV New Siliguri -2 Tie Bay at Bongaigaon S/S.	29-09-10	08:00 Hrs to 16:00 Hrs	AMP	New Siliguri-2 Tie Bay at Bongaigaon S/S. Line will continue charged through Main Bay
4	400 KV, 50 MVAR Bus Reactor Main Bay at Balipara S/S.	24-09-10	8:00 Hrs to 16:00 Hrs	AMP	50MVAR Bus Reactor will be in service.
5	400 KV, 50 MVAR Bus Reactor at Balipara S/S	25-09-10**	8:00 Hrs to 16:00 Hrs	AMP	50MVAR Bus Reactor at Balipara

** Subject to Voltage condition prevailing at the time.

