



भारत सरकार  
Government of India  
उत्तर पूर्वी क्षेत्रीय विद्युत समिति

Phone: 0364-2520034  
: 0364-2520050  
FAX : 0364-2520030

North Eastern Regional Power Committee  
"Meghalaya State Housing Financing Cooperative Society Ltd.  
Nongrim Hills Shillong – 793 003

No. 103/2/NERPC/OCC/2008/ 437-71

Date: 16<sup>th</sup> April, 2008

To,

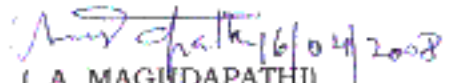
1. Member (Tech), Assam State Electricity Board, Bijuli Bhawan, Paltan Bazar, Guwahati 781 001
2. Member (Tech), MeSEB, Lumjingshai, Short Round Road, Shillong – 793 001
3. Chief Engineer (WE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
4. Chief Engineer (EE Zone), Department 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. General Manager, NERLDC, Dongtiéh-Lower Nongrah, Lapalang, Shillong -793 006
10. ED, NERTS, PGCIL, Dongtiéh-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, 2<sup>nd</sup> Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi
16. Member Secretary, EREB, 14 Golf Club Road, Tollygunge, Kolkata-700033
17. Chief Engineer, GM Division, Sewa Bhawan, R.K.Puram, New Delhi-110066

Sub: Minutes of the 25<sup>th</sup> OCC Meeting held on 09<sup>th</sup> April, 2008 at Shillong.

The Minutes of the 25<sup>th</sup> OCC Meeting of NERPC held on 09.04.08 at "NERPC Conference Hall", Shillong is enclosed for favour of kind information and further necessary action please.

Encl: As above.

भवदीय / Yours faithfully,

  
( A. MAGUDAPATHI)

सदस्य सचिव / Member Secretary

Copy to:

1. SA to Member(GO&D), CEA, Sewa Bhawan, R.K. Puram, New Delhi – 110066
2. Chief Engineer, AEGCL, Bijuli Bhavan, Guwahati - 781001
3. Chief Engineer, APGCL, Bijuli Bhavan, Guwahati - 781001
4. MD, CA DISCOM, Bijuli Bhavan, Guwahati - 781001
5. MD, UA DISCOM, Bijuli Bhavan, Guwahati - 781001
6. MD, LA DISCOM, Bijuli Bhavan, Guwahati - 781001
7. CGM (LDC) SLDC Complex, AEGCL, Kabelipara, Guwahati-781019.
8. S.E. (Trans. & Dist), MeSEB Lumjingshai, Short Round Road, Shillong – 793 001
9. Head of SLDC, MeSEB, Lumjingshai, Short Round Road, Shillong – 793 001
10. Head of SLDC, Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
11. A.C.E. (Gen & Trans), Department of Power, Govt. of Nagaland, Kohima – 797 001
12. Head of SLDC, Department of Power, Dimapur, Nagaland
13. A.C.E. (Power-I), Electricity Department, Govt. of Manipur, Keishampat, Imphal – 795 001
14. Head of SLDC, Electricity Department, Govt. of Manipur, Keishampat, Imphal – 795 001
15. S.E. (Trans & Dist), Department of Power, Govt. of Mizoram, Aizawl – 796 001
16. Head of SLDC, Department of Power, Govt. of Mizoram, Aizawl – 796 001
17. Head of SLDC, TSECL, Agartala – 799 001
18. Chief Engineer, Loktak HEP, Vidyut Vihar, Komkeirap, P.O. Loktak, Manipur - 7950124

## **North Eastern Regional Power Committee**

### **Minutes of 25<sup>th</sup> Operation Coordination Committee meeting**

**Date:** 09/04/2008

**Venue:** Conference Hall, NERPC Shillong

Shri A Magudapathi, Member Secretary, NERPC welcomed the participants. He informed the members that henceforth all the meetings of NERPC except TCC and Power Committee meetings, would be held at NERPC Secretariat only. He further informed that the expenditure for such meetings would be borne by NERPC secretariat only. He expressed his heartfelt gratitude to the members for their active participation in the meeting.

Then the agenda items were taken up. List of participants is at Annexure-I.

**1. Confirmation of the minutes of 24<sup>th</sup> Operation Coordination Committee meeting of NERPC held at Shillong.**

The minutes were taken as confirmed as there were no observations or comments by any of the constituent members.

**2. Presently 132 KV Sarusajai-Umiam (MeSEB-stg iv) Line-I is kept connected with the 132 KV Kahilipara- Umtru(MeSEB) Line-I near Umtru Power Station making a temporary T-Connection arrangement connecting Sarusajai, Umtru and Kahilipara together. We request for removal of temporary T-off connection between 132 Kv Kahilipara-Umtru(MeSEB)Line-I and 132 Kv Sarusajai-Umiam(MeSEB stg-iv)Line-I to avoid tripping of both the lines, in case of fault occurred in any one of the lines as well as to maintain proper protection coordination in the system and to facilitate proper maintenance of 132 Kv Kahilipara-Umtru lines 1 & 2 with necessary safety measures without affecting the connectivity to MeSEB system from Sarusajai as well. MeSEB should make necessary arrangement to draw power from SSJ as per original plan to avoid all these intricacies. – ASSAM**

Assam stated that due to maintenance problem they suggested Meghalaya to revert back to old connection that is 2 lines between Sarusajai and Stage – IV and 2 lines between Kahilipra and Umtru

Member Secretary requested Meghalaya to brief the status of these lines. Meghalaya stated that there are two 132 KV S/C lines connecting between Kahilipara (Assam) and Umtru (MeSEB) and also two 132 KV S/C lines between Sarusajai (Assam) and Stage – IV (MeSEB). Meghalaya stated that the T – Off connection connecting Sarusajai, Umtru and Sarusajai can be removed from line - I connecting Sarusajai and Sgate – IV of MeSEB by providing LILO at Umtru (i.e. Line – I from Sarusajai will be connected with Umtru via LILO and back to Stage – IV). Further Meghalaya stated that the LILO at Umtru is on the verge of finishing except the transducers are awaited and the line will be ready by June 2008.

NERLDC stated that in case any assistance is required they can monitor the flow of power and all the parameters of these lines by Bus Summation through SCADA and informed that if the system is ok they can go ahead with the proposal or changes.

After detailed discussion Assam and Meghalaya agreed with the proposal.

**3. Construction of Missing Link Transmission Line by PGCIL and latest status for removal of constraints of power evacuation in the 132 KV pocket. - TRIPURA**

Member Secretary requested Tripura to explain their views. Tripura stated that all the CTs at their end have been replaced with CTs ratio of 400/1 to remove the constraints but the same was not done at the side of POWERGRID.

POWERGRID representative clarified that the issue of missing link and constraints are different. The issue pertaining to the constraints of 132KV pocket is construction of 132KV Kopili-Khandong line and the expansion of sub-station of bay at Khandong where there is space constraint. They informed that the survey of this line was almost complete, however due to recent law and order problem the work has been hampered. They further stated could not be completed and they stated that the problem of constraint would be solved once the extension plan at Kopili's end is completed. POWERGRID has already identified the space and NEEPCO would built up the basic infrastructure like shifting of the existing road to a convenient place to get a space for extension of bay

NEEPCO stated that they would look into the matter.

Member Secretary stated that this is a long pending issue and he requested that the matter should be taken up seriously for improvement of the grid in the 132 KV pocket.

Member Secretary informed that there are two parallel lines between RC Nagar and Kumarghat owned by PGCIL and Tripura each. He requested that both the lines should be maintained properly and keeps in healthy condition. Further Member Secretary enquired Tripura about the status of this line.

Tripura stated that some portion needs re-conductoring and they are looking into this matter.

Member Secretary requested POWERGRID to prepare the details of missing link and submitted to NERPC so that the issue can be discussed in details during the forth coming TCC meeting.

**4. Generation Planning – NERLDC**

(i)Khandong – 0.154 MU, (ii) Kopili stage-II – 0.133 MU, (iii) Kopili – 0.76 MU (iv) Doyang – 0.135 (v) RHEP – subject to water inflow (vi) Loktak – 0.558 MU, (vii) AGBPP & AGTPP – subject to availability of gas supply.

Member Secretary enquired from NEEPCO whether Kathalguri can generate to the full capacity if gas is available. NEEPCO informed that if the gas is available they can generate to the full design capacity.

**5. Outage Planning- NERLDC**

Refer Annexure – II

Khandong-I had been under shutdown for 15 days and it would be brought back to operation from 20<sup>th</sup> April, Kopili – II shutdown programme from 22<sup>nd</sup> April, 2008 for 15 days.

**6. Review of Grid Performance in the Month of March, 2008 :**

NERLDC presented the details regarding the performance of the grid for the month of March 2008 before taking up the agenda items.

Refer Annexure – III

**7. Grid Disturbances in the previous month (March, 2008)**

No major disturbances have been reported during the month of March, 2008.

**9. Additional items:**

Member Secretary enquired about the status of Baramura & Rokhia Gas based power plants in Tripura as mentioned in the De-commissioning report sent by CEA.

Tripura stated that all the three units (2x5 MW & 1x6.5MW) has been scrapped hence it should not be taken into record anymore. They further informed that out of 8 units of Rokhia only 2 units (2x8) are still functioning.

NEEPCO stated that there is a disparity between the reports (LGBR) given by CEA and NERLDC.

Member Secretary requested all the constituents to take up the matter seriously by informing CEA all the de-commissioning projects so that they can allocate power accordingly.

**10. Date and venue of next OCC.**

The Date for the next OCC has been fixed on 8<sup>th</sup> May, 2008. The meeting will be held in the Conference Hall of NERPC, Shillong.

**LIST OF PARTICIPANTS IN THE 25<sup>th</sup> O.C.C. MEETING OF NERPC**

S/Shri		
S. N.	NAME OF PARTICIPANT	DESIGNATION
<b>ARUNACHAL PRADESH</b>		
<b>ASEB</b>		
1.	H. Hazarika	DGM
2.	A K Saikia	Sr. Manager
<b>MANIPUR</b>		
<b>MEGHALAYA</b>		
1.	T. Passah	S.E, SLDC
2.	A. Kharpan	E.E, SLDC
<b>MIZORAM</b>		
1.	V. Rodinglana	S.E, SLDC
2.	H. Lalnunsanga	A.E, SLDC
<b>NAGALAND</b>		
<b>TRIPURA</b>		
1.	A.K. Bhowmik	Sr. Manager
2.	R.K. Sharma	Manager, SLDC
<b>NEEPCO</b>		
1.	Bhaskar Goswami	Sr. Manager (E)
2.	M.K. Biswas	Dy. Manager (E)
<b>NERLDC</b>		
1.	T.S. Singh	DGM
2.	N.R. Paul	Chief Manager
3.	R. Sutradhar	Chief Manager
4.	A. Mallick	Chief Manager
5.	S. Shadrudin	Dy. Manager
6.	Ishrat Ali	Engineer
<b>NERTS (PGCIL)</b>		
1.	A. Patir	AGM (O&M)
2.	P. Kanungo	Chief Manager (OS)
3.	Utpal Sharma	Chief Manager
<b>NHPC</b>		
<b>Trading Companies</b>		
<b>NERPC</b>		
1.	A. Magudapathi	Member Secretary
2.	B. Lyngkhoi	Assistant Secretary
3.	S.M. Aimol	A.E.E

Proposed Shut down Program of POWERGRID Elements for the month of April, 2008**S/D Program for POWERGRID sub-stations/Bays/ICTs/Reactors:-**

S/N	NAME OF T/L	S/D DATE	S/D TIME	PURPOSE	FEEDERS AFFECTED
1	220 KV Misa-Kopili- II	10.04.08 & 11.04.08 continuous	08:00 hrs to 16:00 hrs.	Replacement of defective CT	Misa-Kopili- II
2	132 KV Dimapur-Imphal	19.04.08		Dimapur-Imphal	
3	132KV Khliehriat-Khliehriat	24.04.08		Khliehriat-Khliehriat	
4	132 KV D/C Agartala-Agartala	28.04.08		Agartala-Agartala	
5	132 KV Gohpur-Itanagar	22.04.08		Gohpur-Itanagar	
6	220 KV Dimapur – Misa Ckt - I	21.04.08 to 23.04.08	08:00 hrs to 17.00hrs	AMP	
7.	220 KV Dimapur – Misa Ckt - II	24.04.08 to 26.04.08	08:00 hrs to 17.00 hrs	AMP	

**\*\*Note:** All the associates bays maintenance would be done during the S/D of respective Transmission lines. S/No. 5 subject to availability.

S/N	NAME OF SUB-STATION/BAYS/ICT/ REACTOR	S/D DATE	S/D TIME	PURPOSE	AREAS/FEEDER S AFFECTED
1	132 KV Main Bus at Dimapur	19.04.08 & 20.04.08	08:00 hrs To 16:00 hrs	AMP	132KV Doyang-Dimapur & Dimapur-Imphal Line
2	25MVAR Tertiary Reactor-I at Misa	23.04.08			Tertiary Reactor-I
3	25MVAR Tertiary Reactor-II at Misa	24.04.08			Tertiary Reactor-II

**\*\*Note:** S/No. 1 subject to consent of Nagaland.

**ANNEXURE - III**

- i) *Review of generation performance, Voltage profile, and frequency profile during the month of March, 2008.*

Generation performance, voltage profile and frequency profile during the month of March, 2008 are as follows:

**I) Generation performance:**

Generating Station	Schedule (MU)	Actual (MU)	Actual-Schedule (MU)
<b><i>RHEP</i></b>	69.57	70.16	0.59
AGBPP (K'GURI)	147.03	143.78	-3.25
AGTPP	55.36	56.20	0.84
KHEP+ Kopili-II	6.92	6.72	-0.20
KOPILI	46.99	47.44	0.44
DHEP	6.02	6.21	0.18
Loktak HEP	28.10	28.42	0.32
Assam + DLF	113.94	127.49	13.54
MeSEB	35.53	26.90	-8.63
Tripura	52.25	51.27	-0.98
Nagaland	0.00	4.90	-4.90
NE Region	561.71	569.49	7.78
Net export to ER	-72.92	-14.17	58.75

**II) Voltage profile:**

Sub-Stations	Voltage Level(kV)	Voltage recorded in per unit	
		Maximum	Minimum
MISA	400	1.06	0.98
SALAKATI	220	1.04	1.01
MISA	220	1.03	1.02
DIMAPUR	220	1.04	0.98
MARIANI	220	1.05	1.00
IMPHAL	132	1.06	0.96
KAHELIPARA	132	1.05	0.94
HAFLONG	132	1.04	0.99
AIZAWL	132	1.05	0.96
KUMARGHAT	132	1.03	0.99
NIRJULI	132	1.04	0.97
MAWLAI	132	1.00	0.96

Average Voltage Profile at 8:00 & 20:00 hrs of March, 2008 at some of the important sub-stations are tabulated below:

<i>Sub-Stations</i>	<b>Voltage Level (kV)</b>	<b>Average Voltage level in per unit</b>	
		<b>At 8:00 hrs</b>	<b>At 20:00 hrs</b>
Misa	400	1.04	1.02
Balipara	400	1.04	1.02
Bongaigaon	400	1.02	1.01
Dimapur	220	1.01	0.99
Misa	220	1.01	1.00
Dimapur	132	1.02	1.00
Imphal	132	1.00	0.98
Haflong	132	1.02	1.02
Jiribam	132	1.00	0.99
Aizawl	132	0.99	0.98
Kumarghat	132	0.99	0.98
Khliehriat	132	1.00	0.99
Kahelipara	132	1.01	0.99
Mawlai	132	0.98	0.95
Salakati	220	0.98	1.01
Nirjuli	132	1.01	0.97
Badarpur	132	1.00	0.98

**IEGC norms:**

SL. NO.	SYSTEM VOLTAGE (kV)	IEGC Range	PU
1	400	360KV–420KV	0.9–1.05
2	220	200KV–245KV	0.9–1.11
3	132	120KV–145KV	0.9–1.09

**III) *Frequency profile during the month of March, 2008:***

Freq (Hz)	Duration of time (%)
F < 49.0	23.51
49.0 > f >= 50.0	74.31
50.0 > f > 50.3	48.96
50.3 > f > 50.5	1.84
F > 50.5	0.00
MAXIMUM FREQUENCY	50.75
MINIMUM FREQUENCY	48.60
MAXIMUM FVI	10.99
MINIMUM FVI	1.20
AVERAGE FVI	7.36