



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.

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No. NERPC/AS/OCC/2010/ 765-99

Date: 14th May, 2010

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,

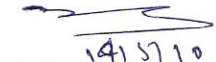
Sub: Minutes of the 40th OCC Meeting held on 7th May, 2010 at Shillong.

The Minutes of the 50th OCC Meeting of NERPC held on 07.05.2010 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,


14/5/10
(P.D. Siwal)

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 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. 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 50th

OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

Date: 07/05/2010 (Friday)

Time: 10:30 hrs

Venue: "NERLDC Conference Hall", Shillong.

The List of Participants in the 50th OCC Meeting is attached at **Annexure - I**

Shri B.K. Jain, Member Secretary NERPC welcomed all the participants to the 50th OCC meeting. He stated that the grid performance during the month is good as observed in the grid performance parameters. The frequency profile is well within the IEGC band and the peak demand is not very high and this may be due to pleasant weather in the region. Further he stated that constituents should avail shutdown for maintenance of their machines during this lean period.

Thereafter he requested Shri. P.D. Siwal, S.E (O), to take up the agenda items for discussion.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 49th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

Shri Siwal mentioned that the minutes of the 49th meeting of the OCC held on 9th April, 2010 were circulated to all the concerned, vide letter no. NERPC/AS/OCC/2010/232 – 66, dated 16th April, 2010.

As no comment was received from any of the constituents, the minutes of the 49th OCC Meeting were confirmed.

ITEMS FOR DISCUSSION

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

S.E (O), NERPC requested the NERLDC to give presentation on the grid performance for the month of April, 2010. The NERLDC gave presentation that included the following key parameters:-

- i) **Average frequency** during April, 2010 was 49.42 Hz compared to 49.63 Hz for the previous month.
- ii) **Minimum frequency** in April, 2010 was 48.51 Hz (18.04.10 at 08:11 hrs) compared to 48.80 Hz for the previous month.
- iii) **Maximum frequency** was 51.51 Hz (25.04.10 at 18:11 hrs) as against 50.69 Hz in the previous month.
- iv) **System frequency** remained within permissible range of 49.2 Hz to 50.3 Hz for 93.80 % of the time, below 49.2 Hz for 5.57 % and above 50.3 Hz for 0.63 % of time as against the corresponding values of 94.27 %, 4.06 % and 1.67 % in the previous month i.e. March, 2010.
- v) **Regional peak** demand in April, 2010 was 1577 MW as compared to 1565 MW, in March, 2010 an increase of 0.77 % over the previous month.
- vi) **Energy requirement** was 726.31 MUs in April, 2010 compared to 748.78 MUs a decrease of 3% compared to the previous month.
- vii) **Regional energy availability** in April, 2010 was 616.81 MUs compared to 672.16 MUs in the previous month- a decrease of 8.28 % over the previous month.
- viii) **Rise in demand met** was recorded only in Ar. Pradesh (2.82 %) whereas all other constituents recorded drop in demand met.
- ix) **Drop in demand met** was recorded in Mizoram (10.17 %) followed by Tripura (8.33 %) and Meghalaya (6.37 %) over the previous month viz. March, 2010.
- x) **Over Voltages** at 400 kV substations were observed at Balipara and Misa where maximum voltage observed were 427 KV and 438 KV respectively.
- xi) **No Over Voltages** at 220kV S/S and 132 kV S/S were observed.
- xii) **Regional Generation & Inter-regional Exchanges:** During the month of March, 2010 compared to February, 2010 is given below:

SN	Parameter	April, 2010	March, 2010
REGIONAL GENERATION & INTER - REGIONAL EXCHANGES (in MU)			
1	Total Generation in NER (Gross)	517.985	516.878
2	Total Central Sector Generation in NER (Gross)	326.500	303.980
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	14.86	1.478
	(b) ER - NER	99.99	166.295
	(c) Net Import	85.13	164.817

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

Member Secretary stated that setting of full fledge SLDC is very important in the present scenario. As per IEGC-2010 demand estimation has to be made in every 15 minutes time block w.e.f. January 2011 and hence SLDC will have to play a major role in operational planning of the grid. He enquired from the constituents the steps taken by them to tackle on this issue.

Shri Lyngkhoi, Assistant Secretary, NERPC mentioned that apart from Assam, Meghalaya & Tripura which have full fledge SLDCs, remaining four States do not have full fledged SLDCs. Further he stated that SLDCs will also have to formulate and implement state-of-art demand management schemes for automatic demand management like rotational load shedding, etc before 01.01.2011.

Member Secretary requested the constituents who have SLDCs to share their experience with the rest of the constituents who do not have SLDCs at present and are in the process of setting up SLDCs in demand estimation and demand management

The Sub-committee noted as above.

FOLLOW UP ACTION

C. 1. Quarterly Monitoring of Preparedness in NER

Assam had furnished the above information during the meeting. Assistant Secretary informed that NERPC vide letter dated 18.04.2010 have sent the latest

format as required by the Cabinet Secretariat and requested all the constituents to furnish the information as given in that format. All the other constituents have informed that the above information would be available by the end of May, 2010.

Member Secretary requested all the constituents to furnish the information at the earliest as the matter is being reviewed by Cabinet Secretariat.

The Sub-committee noted as above.

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

Shri Siwal enquired about the current status of installation of UFRs. **CGM (LDC) AEGCL** informed that even though UFRs have been installed by them, but the scheme was not functioning properly due to frequent tripping of the feeder in which UFR was installed.

AGM, NERLDC enquired from Assam whether the setting of relay is as recommend by NERPC. CGM (LDC), AEGCL replied that they have set their relay operation as per the recommendation.

AGM, NERLDC stated that the new Grid Code has been implemented w.e.f. 3rd May, 2010 in which the frequency band is very tight and there is very less chance of frequency dropping beyond 49.2Hz. So, AEGCL may wait for few months and watch the frequency profile and frequent tripping of Assam feeders may not occur. Assam agreed to the same.

Assistant Secretary, NERPC informed that all the constituents have furnished the list of identified feeders where UFRs are to be installed but the same information is still awaited from Ar. Pradesh. He informed that as per information given by Meghalaya the approval is still awaited from the Government. Tripura & Mizoram are under process to implementing the scheme.

Nagaland representative informed that UFRs have already been procured by them and installation would be completed soon.

Member Secretary requested Ar. Pradesh to furnish the list of feeders and also to procure the UFRs at the earliest. Ar. Pradesh agreed.

The sub-Committee noted as above.

C. 3. Non-functioning of SCADA in Arunachal Pradesh state

Representative from Ar. Pradesh informed that the cost of repairing of faulty modem being very high, they were in the process of procuring the new modems compatible at both ends of BSNL & PGCIL, Shillong.

Member Secretary stated that they would take up the matter with Dept. of Power, Govt. of Ar. Pradesh to expedite the same.

The sub-Committee noted as above.

C. 4 Energy metering issues in NER

AGM, PGCIL informed that meters from ERDI, Bangalore had been dispatched and were in transit now and informed that within one week the meters were expected to be received by them. The status would be informed in the next OCC meeting.

The Sub-committee noted as above.

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

OCC noted the progress of implementation of scheme.

AGM, POWERGRID informed that they would follow the matter with concerned organization for implementation of the scheme and the progress would be appraised in every OCC meetings.

The sub-Committee noted as above.

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

Assistant Secretary informed that Manipur, vide their letter No: ACE(P)-1/2(24)/E.O/2009/9-15 dated 08.04.2010, **had given their consent to open the line** and enquired about the current status from NERLDC.

AGM, NERLDC informed that due to unstable condition in the grid during the month the scheme could not be implemented. He stated that once the system is stabilized the scheme would be implemented by them as the wiring had already been completed.

The Sub-committee noted as above.

C. 7 Status of Loktak – Jiribam Ckt - I.

Since no representative from Dept. of Power, Manipur was present the status could not be updated.

The Sub-committee noted as above.

C. 8 Status of Total Harmonic Distortion (THD) in NE grid.

AGM, PGCIL stated that report on THD in NE grid is still awaited from CPRI and the same would be made available to the constituents after receipt from CRPI.

Member Secretary requested PGCIL to give only the important gist of the report for future reference and not necessarily the whole documents. PGCIL agreed.

The sub-Committee noted as above.

C. 9 Status of NERLDC website

DGM, NERLDC informed that their website and server are tested regularly and sometime the problem might be with BSNL network.

Tripura representative informed that many times the NERLDC website is not accessible to them and cited the problem faced by them on 04.05.2010 when the website was not accessible for a long time.

AGM, NERLDC requested the constituents to intimate NERLDC whenever they face any difficulty.

The sub-Committee noted as above.

C. 10 Impact of Congestion Charge Regulations in NER

NERPC informed that as decided in the 49th OCC meeting the portion of the minutes discussed on the impact of congestion charges has been sent to CERC.

Member Secretary stated that sending the minutes of meeting to CERC will not help the constituents. He suggested that constituents should submit their views to the CERC by filing proper affidavit along with necessary fees so that the prayers of the constituents would be considered by CERC.

The sub-Committee noted as above.

C. 11 Day ahead entitlement in respect of CS generation is to be ensured before 11:00 AM on daily basis:

Tripura representative informed that day ahead entitlement is not available in NERLDC website as discussed during the 49th OCC meeting. They requested NERLDC to send the information either by fax or email.

DGM, NERLDC stated that sending information through fax or email to all the constituents would not be possible and the data was made available on the website of NERLDC and constituents could download the same from their website.

Member Secretary requested the constituents to inform NERLDC whenever they face any problem in getting the data from website of NERLDC so that the same could be resolved. If problem persist it may be discussed again in OCC

The Sub-committee noted as above.

D. NEW ITEMS

D. 1 Agenda items from Assam/Tripura

D.1.1 Commissioning of new 220/ 132kV ICT & new 132kV Kopili - Khandong Line:

AGM, PGCIL informed that due to non-availability of forest clearance the proposed schedule could not be completed in April, 2010. He informed that now they have got the forest clearance from Forest Dept. Govt. of Assam and the above line is expected to be completed by August, 2010.

The sub-Committee noted as above.

D.1.2 Discrepancy in entry of schedule allocation in the SCADA display:

Assam informed that on some occasion the schedule allocation was not known to them even after few hours and this resulted in paying unnecessary payment of UI.

DGM, NERLDC informed that compilation of data whenever revision takes place required some time to post on the website and stated that they would look into this matter so that constituents do not suffer.

Member Secretary requested NERLDC to look into the matter in future so that unnecessary financial loss was not suffered by the constituents.

The sub-Committee noted as above.

D.1.3 Frequent outage of 132kV Gohpur – Nirjuli Line:

Assam informed that frequent tripping of the above line have been observed during the month of April, 2010 and Assam did not get any communication from Nirjuli end of PGCIL about the reasons of failure.

AGM, PGCIL informed that during the month of April, 2010 frequent trippings were due to bad weather and storm conditions prevailing in the region. It took them time to locate the fault. He also stated that 3 CTs at Nirjuli end also need replacement and this work would be completed by the end of May, 2010.

The sub-Committee noted as above.

D. 2 Agenda item from NEEPCO: Installation of Circuit Breaker at Balipara end:

AGM, PGCIL informed about Breakers were already available with POWERGRID and procurement of Isolators was under progress and installation was expected to be completed by September, 2010.

The sub-Committee noted as above.

D. 3. Agenda item from NHPC: Installation of Energy meter at Loktak:

AGM, PGCIL informed that once the meters were received by them, the same would be installed at Loktak.

Assistant Secretary enquired regarding the disposal of old working meters. PGCIL informed that they would be writing to all the constituents to utilize the working meters and non-working meters would be disposed as scrap.

D. 4. Agenda item from Tripura: Imposing maximum pressure on SLDC:

Tripura representative informed that due to high demand in the State, the restriction of 45 MW drawal allowed to Tripura during shut down of Kopili-Khandong HEP needs to be reviewed and Tripura may be allowed to draw more power.

Assistant Secretary informed that during the special meeting held on the

20.01.2009 the drawal pattern of each State was discussed in detail. During the above meeting NERLDC had presented the action plan and the same was agreed by all the constituents that during the shutdown of Kopili-Khandong HEP the drawal pattern in the 132 KV pocket would be restricted depending upon the real time availability of power. He further stated that as per the decision in that meeting Tripura could draw not more than 45 MW. This restriction not only affected Tripura but Meghalaya, South Assam & Mizoram also. Unless Kopili & Khandong HEP were brought back in service the restriction would continue.

Assam & Meghalaya representatives also informed about the difficulties of power shortage but stated that they have to respect the decision taken during the special meeting.

Member Secretary requested Tripura to maintain their drawal as per instruction of NERLDC for the safe and security of the grid as restriction need to be informed due to less availability of power.

The Sub-committee noted as above.

D. 5 State-wise anticipated "peak demand" & "peak availability" for May, June & July, 2010

The sub-Committee reviewed anticipated "peak demand" & "peak availability" and finalized the same for the months of May, June & July 2010 and details are given here below:

S.No.	State	<u>May, 2010</u>		<u>June, 2010</u>		<u>July, 2010</u>	
		Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)
1	Ar. Pradesh	90	85	95	85	95	90
2	Assam	870	840*	900	845*	940	860*
3	Manipur	75	74	90	85	95	90
4	Meghalaya	250	200*	280	220*	290	230*
5	Mizoram	70	45	70	55	75	55
6	Nagaland	85	75	90	70	95	80
7	Tripura	150	115*	185	125*	185	130*
	Region	1590	1434	1675	1490	1775	1535

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

D. 6 Generation Planning (ongoing and planned outages)

Sh. Bhaskar Goswami, Sr. Mgr, NEEPCO informed that due to sudden flash flood which occurred on 28.03.2010 the Khandong tunnel was filled with water. The inspection could be carried out only on 22nd & 23rd April, 2010. He stated that after inspection it was found that there were cracks in the tunnel. He further stated that NEEPCO had placed the order for the repair of tunnel. He informed that the work was expected to be completed by July, 2010.

The Sub-committee appreciated the quick action taken by NEEPCO and request them to complete the work at the earliest. He also requested NERLDC to reduce the schedule from Kopili till the work of repairing the damage tunnel at Khandong was completed.

Assam enquired about the less generation from Kathalguri. Sr. Mgr, NEEPCO informed that due to compressor unit problem Kathalguri could not generate above 200 MW. He informed that by June, 2010, Kathalguri would generate above 200 MW. He further stated that sometime even when all the units were in service but the same could not be generated due to gas shortage.

The Sub-committee noted as above.

D. 7 Outage Planning of Transmission elements

The Sub-committee **discussed and approved** the programme of outages during the months of May/June, 2010 for transmission lines as proposed by the PGCIL & the Constituents. The same is enclosed at **Annexure D. 7.**

The sub-Committee approved the programme.

D. 8 Estimated Transmission Availability Certificate (TAC) for the month of March, 2010.

The Final TAC certified by NERPC for the month of March, 2010 has been issued, vide letter No: NERPC/OP/TAC/2010/345 dated 26.04.2010 is **98.6504%**

The Estimated Transmission/System Availability for the month of April 2010 furnished by PGCIL is **98.6072 %** as per details at **Annexure D. 8** (Copy of the same is also available at NERPC website). NER constituents were requested to give their comments and observations, if any, by 21st May, 2010 so that Final TAC for the month of April, 2010 could be issued.

Further, AGM, PGCIL informed that outage of 132 KV Aizawl – Jiribam line during the period 21.04.2010 to 30.04.2010 was attributed due to the damages caused by cyclone and requested that the outage should be booked under the category LNCC (natural calamities) in place of LEFT (transient E/F).

Member Secretary requested PGCIL to furnish the detail outages to the constituents as well as NERPC for putting in NERPC website for comments by the constituents, if any, in this issue before 21.04.2010. PGCIL agreed and the copy of the same is enclosed at **Annexure – D.8 (i)**.

The sub-Committee noted as above.

D. 9 Major grid disturbances in the previous month (April , 2010)

The NERLDC informed that there was major grid disturbance on 4th, 13th & 24th April, 2010. NERLDC gave a presentation on the above incident and the copy of the same is enclosed at **Annexure D. 9**.

Further, representative from NERLDC intimated that when such grid disturbance occurs, and NER region get isolated from other regions, proper cooperation from the constituents is required **for restoration of the NER grid, its security, and stability** and instructions issued by the NERLDC need to be followed. He referred to the grid disturbance on 04.04.2010 when Nagaland SLDC was instructed to restrict their load while trying to synchronize Doyang HEP. Doyang HEP tripped due to heavy drawal by Nagaland during restoration.

Representative from NEEPCO also confirmed the above incident due to heavy drawal by Nagaland.

Member Secretary requested all the constituents to follow the instruction given by NERLDC so that restoration of the system does not get prolonged and delay in restoration results long hours of power outage.

D. 10 Any Other Items: No other items were discussed during the meeting

D. 11 Date & Venue of next OCC meeting

It is proposed to hold the 51st OCC meeting of NERPC on 11th June, 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 50th OCC meeting held on 07/05/2010

Sl. No	Name & Designation	Organization	Contact No. /e-mail ID
1.	Sh. W. Rehman, E.E, SLDC	Arunachal Pradesh	03602214359
2.	Sh. G. K. Das, CGM, LD&C	Assam	09435085129
3.	Sh. A.K. Saikia Sr. Mgr, LD&C	Assam	09864116176
4.	Sh. T. Passah, S.E, SLDC	Meghalaya	09436100655
5.	Sh. F.E. Kharshiing, EE, SLDC,	Meghalaya	09863066960
6.	No Representative	Mizoram	
7.	No Representative	Manipur	
8.	Sh. Asangba Tikhir, A.E, SLDC	Nagaland	09436819293
9.	Smt. Sampa Sen Sr. Mgr (SLDC)	Tripura	09436120263
10.	Sh. S.B. Debbarma, Mgr (SLDC)	Tripura	09436453401
11.	Sh. T.S. Singh, AGM	NERLDC	09436102717
12.	Sh. N. R. Paul, D.G.M	NERLDC	09436302723
13.	Sh. A. Mallick, C.M	NERLDC	09436302720
14.	Sh. Kaling Jongkey, Sr. Engr	NERLDC	09436994401
15.	Sh Anupam Kumar, AE	NERLDC	09436335379
16.	Sh. A. Patir, A.G.M	NERTS	09436302196
17.	Sh. Bhaskar Goswami, Sr. Mgr	NEEPCO	09436163983
16.	Sh. Tanya Taji, Sr. Mgr	NEEPCO	09436122456
17.	Sh. S.K. Piku, Sr. Mgr (E), DHEP	NEEPCO	
18.	Sh. B.K. Chakravarty, Sr. Mgr	NEEPCO	
19.	Sh. B.R.Bhattarchajee, Mgr	NEEPCO	09436122450
20.	No Representative	NHPC	
21.	Sh. B.K. Jain, Member Secretary	NERPC	09436706436
22.	Sh. P.D. Siwal, S.E (O)	NERPC	09436998378
23.	Sh.B. Lyngkhai, AS	NERPC	09436163419
24.	Sh. Lalrinsanga, E.E	NERPC	09436161886
25.	Sh. S.M. Aimol, AEE	NERPC	09863311203

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