



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

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No. NERPC/AS/OCC/2010/ 351-85

Date: 18th June, 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 51st OCC Meeting held on 11th June, 2010 at Kopili HEP.

The Minutes of the 51st OCC Meeting of NERPC held on 11.06.2010 at "Kopili HEP Conference Hall, Umrangso 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. Swaha) 10

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 51st

OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

Date: 11/06/2010 (Friday)

Time: 09:30 hrs

Venue: "NEEPCO Conference Hall," Kopili HEP, Umrangso.

The List of Participants in the 51st OCC Meeting is attached at **Annexure - I**

Shri B.K. Jain, Member Secretary NERPC welcomed all the participants to the 51st OCC meeting. He thanked NEEPCO for their hospitality and comfortable arrangement for the stay of delegates. He further informed that some of the constituents have visited the Khandong HEP on 10.06.2010 and expressed concern about the acidity problem which had caused severe damage to the underwater parts of the turbines. He informed that NEEPCO has made best efforts to put the units in service at the earliest. He mentioned that NER constituents were affected due to non-availability of Khandong & Kopili HEP during the rainy season and stated that by end of June, 2010 the power scenario would improve. He then requested Sh. H.K. Deka, GM & HOP, KHEP to address the meeting.

Sh. Deka welcomed the Member Secretary and all the participants and expressed happiness that some officers who have attended the 51st OCC meeting have visited Khandong powerhouse and realized the problem faced by NEEPCO. He informed that NEEPCO have conducted a seminar on the issue of acidity where renowned organizations from the country had participated and gave their suggestions, but the remedial solution is yet to be achieved. Sh. Deka stated that Khandong HEP is the premier project and is one of the oldest projects of NEEPCO. He requested all the constituents to bear with NEEPCO as they were still on the job to put back the units in service at the earliest. He informed that some of the parts have already been ordered on BHEL which would take about two years. In order to avoid hardship to NE Region the maintenance jobs were being done in-house. He also requested all the constituents to share their technical knowhow to resolve this problem and welcomed suggestions from them.

NEEPCO gave a presentation on the acidity problem in-house maintenance work undertaken by them and the same is enclosed at **Annexure - II**.

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

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 50th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

Shri Siwal mentioned that the minutes of the 50th meeting of the OCC held on 9th April, 2010 were circulated to all the concerned, vide letter no. NERPC/AS/OCC/2010/765 – 99, dated 14th May, 2010.

He informed that NEEPCO vide letter No: AGBP/O&AW/T-23/158 dated 26.05.2010 have given their observation on 3rd para of Item No. D.6 to be modified and recorded as below:

“Assam enquired about the less generation from Kathalguri. Sr. Mgr, NEEPCO, AGBP replied that the less generation is due to non-availability of gas due to shutdown of Numaligarh Refinery. This problem is likely to continue upto the month of May, 2010 and generation may be restricted to 150-160 MW. Regarding the status of gas compressor it was informed that CC-III is under repair and the remaining three compressors are available and are working.

It was further informed that the unit #6 gas turbine will undergo major overhauling from end of May, 2010 and will take minimum 30 days time. Presently Stage 2 unit is under shutdown for exciter problem. The equipment is under repair in BHEL and is expected to arrive by end of May, 2010. With the availability of STG #2 and committed gas from OIL, the power station shall be able to generate 200-210 MW from 1st week of June, 2010”.

After discussion the Minutes of the 50th OCC Meeting was confirmed as per modification given above, as no other comments was received from any of the constituents.

ITEMS FOR DISCUSSION

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

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

- i) **Average frequency** during May, 2010 was 49.72 Hz compared to 49.42 Hz for the previous month.
- ii) **Minimum frequency** in May, 2010 was 48.76 Hz (15.05.10 at 23:07 hrs) compared to 48.51 Hz for the previous month.
- iii) **Maximum frequency** was 50.80 Hz (28.05.10 at 08:20 hrs) as against 51.51 Hz in the previous month.
- iv) **System frequency** remained within permissible range of 49.5 Hz to 50.2 Hz for 83.78 % of the time, below 49.5 Hz for 12.68 % and above 50.2 Hz for 3.54 % of the time.
- v) **Regional peak** demand in May, 2010 was 1578 MW as compared to 1577MW in April, 2010 an increase of 0.06 % over the previous month.
- vi) **Energy requirement** was 748.50 MUs in May, 2010 compared to 726.31 MUs in April, 2010 an increase of 3.06% compared to the previous month.
- vii) **Regional energy availability** in May, 2010 was 655.42 MUs compared to 616.81 MUs in the previous month, an increase of 6.26 % over the previous month.
- viii) **Rise in demand met** was recorded in Tripura (4.13 %), Assam (2.56%) and Manipur (2.30%).
- ix) **Drop in demand met** was recorded highest in Arunachal Pradesh (12.33%) followed by Nagaland (6.59 %), Meghalaya (2.62 %) and Mizoram (1.89%) over the previous month viz. April, 2010.
- x) **Over Voltages** at 400 kV substations were observed at Misa, Bongaigaon and Balipara where maximum voltage observed were 432 KV, 428 KV and 426 KV respectively.
- xi) **No Over Voltages** were observed at 220kV S/S and 132 kV S/S.

xii) **Under Voltages:** Misa (400KV Substation) recorded a minimum voltage of 218 KV and Aizawl (132KV Substation) recorded a minimum voltage of 120KV.

xiii) **Regional Generation & Inter-regional Exchanges:** During the month of May, 2010 compared to April, 2010 is given below:

SN	Parameter	May, 2010	April, 2010
REGIONAL GENERATION & INTER - REGIONAL EXCHANGES (in MU)			
1	Total Generation in NER (Gross)	582.245	517.985
2	Total Central Sector Generation in NER (Gross)	372.835	326.500
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	11.54	14.86
	(b) ER - NER	110.04	99.99
	(c) Net Import	98.50	85.13

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

The Sub-committee noted as above.

FOLLOW UP ACTION

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

Member Secretary informed about the importance of the report from constituents & requested them to furnish the information on time as the issue is being reviewed by the Cabinet Secretariat, he also enquired about the current status from the constituents who have not furnished the information.

Meghalaya: informed that the requisite information has been sent.

Nagaland: By end of June, 2010

Tripura: By June, 2010.

Member Secretary requested that the above timeframe given by the States should not be delayed further as the 1st Quarterly Report is yet to be furnished to Cabinet Secretariat from NER.

The Sub-committee noted as above.

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

Since no representative from Ar. Pradesh was present the information regarding the list of identified feeders for installation of UFRs pertaining to Ar. Pradesh could not be updated.

The sub-Committee noted as above.

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

Since no representative from Ar. Pradesh was present the information regarding to the SCADA non-functioning could not be updated.

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

DGM, PGCIL informed that all meters from ERDI, Bangalore had already been received by them and intimated that installation of meters for the remaining stations would be completed within one month. He requested co-operation from concern organization where the meters are to be installed for smooth completion.

The Sub-committee noted as above.

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

DGM, 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 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. 7 Status of Total Harmonic Distortion (THD) in NE grid.

POWERGRID had furnished the important gist of the report on THD in NE grid which was received from CPRI. The copy of the same is at **Annexure - C.7.**

DGM, PGCIL informed that the report of THD has been sent to their Corporate office to study and suggest remedial measures and the same would be made available to all the constituents.

The sub-Committee noted as above.

C. 8 Transfer facility in Bus Bar arrangement

DGM, PGCIL informed that they have listed out the critical sub-stations and the same would be finalized and furnished within one week.

The sub-Committee noted as above.

D. NEW ITEMS

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

DGM, PGCIL informed that due to non-availability of forest clearance the work could not be completed in April, 2010 as per schedule. Further he informed that POWERGRID have pursued with Forest Dept. Govt. of Assam but the same could not be cleared by Assam Forest Dept. as the clearance has to be obtained from Regional office of Ministry of E&F, Shillong.

Constituents stated that considering the prevailing grid constraints in the region, especially the 132 KV pocket, commissioning of this line is very much essential. They enquired about the likely date of commissioning of the ckt. PGCIL informed that once the forest clearance is obtained, commissioning of the line would not take much time.

The sub-Committee requested PGCIL to rigorously pursue with E&F for getting the clearance at the earliest.

NEEPCO enquired from PGCIL about the power flow to Khandong S/S after the above line becomes operational and whether the newly commissioned 160 MVA

ICT would operate in parallel or isolation with the existing 60 MVA ICT. NEEPCO requested PGCIL to spell out clearly the power flow or the mode of operation to Khandong S/S before commissioning of the line. POWERGRID agreed and stated that they will discuss this issue bilaterally with NEEPCO.

The sub-Committee noted as above.

D.1.2 Nagaland drawing power from 33 KV Mariani – Changki line:

Assam informed that presently Nagaland is not drawing any load via 132 KV Mariani – Mokokchung feeder but on the other hand they are drawing load through 33 KV Mariani – Changki feeder resulting in congestion of 66/33 KV transformers at Mariani. Assam requested Nagaland to draw the same load from 132 KV Mariani – Mokokchung circuit.

Nagaland informed that they will look into the matter and intimate accordingly.

The sub-Committee noted as above.

D. 2.1 Furnishing of estimated demand & availability data to NERLDC for estimation of TTC/ATC:

NERLDC informed that estimated peak/off-peak demand and availability were not furnished by the constituents to NERLDC for estimation of TTC/ATC.

Member Secretary enquired from NERLDC if they have written to the constituents in this regard, and if not, he requested them to write to all the constituents. NERLDC informed that they have not written to constituents and the same would be done shortly.

The sub-Committee noted as above.

D. 2.2 Violation of clause No. 5.6.2(b) of IEGC i.e. operation of system elements without prior information to NERLDC:

NERLDC informed that Meghalaya have opened or closed the 132 KV Khliehriat-NEIGRIIMS/NEHU lines without intimation of NERLDC which affected grid operation.

Meghalaya informed that this kind of operation occurred in very rare cases and usually they always informed NERLDC. Member Secretary enquired from NERLDC if these lines so discussed belong to PGCIL or Meghalaya.

NERLDC informed that these lines belong to Meghalaya, however operation of these State lines affected the grid, and the same was agreed by Meghalaya that operation of these lines would be in consultation with NERLDC.

Member Secretary requested Meghalaya to co-ordinate with NERLDC while opening and closing these lines for grid stability & security. Meghalaya agreed.

The sub-Committee noted as above.

D. 2.3 RTU status of major locations:

NERLDC informed that the following RTUs of major locations are not functioning:

- i.** Doyang- not reporting since 24.04.2010
- ii.** Loktak – only one channel reporting.
- iii.** Ranganadi – only one channel reporting.
- iv.** Bongaigoan S/S – only one channel reporting
- v.** Salakati S/S – only one channel reporting
- vi.** Aizawl, Mizoram – not reporting since July, 2006
- vii.** Imphal, Manipur – not reporting since July, 2008
- viii.** Dimapur, Nagaland – not reporting since September, 2006
- ix.** Badarpur/Dibrugarh/Tinsukia/Agia of AEGCL – not reporting

NEEPCO informed that all the RTUs pertaining to them would be taken care and requested NERLDC to interact with them for restoration of RTUs.

Nagaland informed that they have intimated to their higher authority about the non-functioning of RTU and requested that this issue may be taken up in the next TCC/RPC meetings.

Assam informed that new ULDC scheme is under implementation and hence RTUs mentioned in Item 2.3 (ix) were not reporting. After integration with the new scheme the problem would be solved. On enquiry about the likely date of completion of new ULDC scheme, Assam intimated that the work is in progress and the status would be intimated.

Regarding Loktak RTU of NHPC, Member Secretary informed that NERPC would take up the matter with them.

The sub-Committee noted as above.

D. 2.4 Communication problems with important locations:

NERLDC informed that the following important locations are not functioning:

- i. **Loktak** – out since May, 2010
- ii. **Imphal, Manipur** – out since November, 2009
- iii. **Aizawl, Mizoram** – out since July, 2006
- iv. **Me.ECL** – out since April, 2009

Representatives from Tripura & Meghalaya informed that PUNCOM which is a Punjab based company had supplied the equipments, but in-spite of repeated requests to the above firm to visit and repair the interface link between the existing (under ULDC i.e. PUNCOM) & new integrating EPABX, the firm has not responded.

Member Secretary requested PGCIL to pursue with PUNCOM or find an alternative solution to restore the interface link since the project was carried out under ULDC scheme. All the constituents agreed to the proposal given by Member Secretary.

The sub-Committee noted as above.

D. 3.1 Return information from NERLDC after revival of any emergent situation in case of generation/transmission failure:

Tripura stated that for any outage of generation/transmission system NERLDC had never intimated the constituents after the system have been restored and constituents were not in a position to plan their load management properly.

NERLDC stated that whenever the system was restored they always informed verbally to all the constituents.

Member Secretary requested NERLDC to create a template for sending SMS to all the SLDCs whenever any system element is out or restored. NERLDC agreed.

D. 3.2 Shutdown of Kopili HEP during monsoon has affected beneficiaries Requested NEEPCO for immediate restoration.

Member Secretary stated that this issue had been discussed in detailed during the start of the meeting and the presentation given by NEEPCO.

The sub-Committee noted as above.

D. 3.3 "Peak Demand" of Tripura:

Tripura intimated that "Peak Demand" of Tripura should be corrected as 90 MW in place of 50 MW as shown in the report of NERLDC.

Member Secretary stated that once the Khandong & Kopili units are back in service the above figure would be corrected accordingly.

The sub-Committee noted as above

D. 4 State-wise anticipated peak demand/requirement, shortage for June, July & August, 2010.

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

June, 2010

July, 2010

August, 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	85	95	90	95	90
2	Assam	900	845*	940	860*	950	870*
3	Manipur	90	85	95	90	95	90
4	Meghalaya	280	220*	290	230*	290	230*
5	Mizoram	70	55	75	55	75	55
6	Nagaland	90	70	95	80	95	85
7	Tripura	185	125*	185	130*	185	130*
	Region	1675	1490	1775	1535	1785	1550

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

D. 5 Generation Planning (ongoing and planned outages)

NEEPCO informed that they proposed to avail shutdown of Kopili unit#3 & 4 from 12.06.2010 to 14.06.2010 as there was no sufficient water to run all the machines. Also they proposed to avail shutdown of Kopili unit#2 as soon as the Kopili unit#1 is synchronized.

The Sub-committee discussed and approved the proposal given by NEEPCO.

D. 6 Outage Planning of Transmission elements

The Sub-committee **discussed and approved** the programme of outages during the months of June/July, 2010 for transmission lines as proposed by the PGCIL. The same is enclosed at **Annexure D. 6.**

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

The Final TAC certified by NERPC for the month of April, 2010 has been issued, vide letter No: NERPC/OP/TAC/2010/1046 dated 07.06.2010 is **99.1440%**

The Estimated Transmission/System Availability for the month of May 2010 furnished by PGCIL is **99.3671 %** 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 **25th June, 2010** so that Final TAC for the month of May, 2010 can be issued.

The sub-Committee noted as above.

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

The NERLDC informed that there was major grid disturbance on 15th May, 2010. NERLDC gave a presentation on the above incident and the copy of the same is enclosed at **Annexure D. 8.**

D. 9 Any Other Items:

(i). POWERGRID informed that Most of the transmission lines operating in NER were constructed in the late 70's and in 80's. Some 400kV & 132 kV transmission lines were added in the nineties. Failures of insulators have been encountered in these lines in recent times, subjecting the NER Grid to critical conditions. The matter was taken up with insulator manufacturers and CPRI. But neither the cause of failure nor any solution to prevent it could be found. The failures may be because of aging and high isoceraunic level of the NER region.

To prevent breakdown of transmission lines, due to failure of insulator strings, POWERGRID has now taken up scanning of insulator strings in live lines, to detect punctured insulators in the strings and as a preventive measure, the punctured insulators are being replaced with new insulators incurring huge expenditure from

its O&M budget. This is being done by taking day time shutdown of the lines. While taking day time shutdown of the transmission lines for insulator changing, the followings have been taken care of: -

1. Ensure that scheduled generations of the generating agencies are not affected.
2. Ensure that the parallel ckt. / parallel line is available, so that transmission capacity of the link is not affected.
3. Ensure that the line / ckt. Under shutdown is brought to service within short time, if the parallel ckt. / line goes faulty.

In view of above POWERGRID requests for kind consideration of the shutdown hours for replacement of Insulator strings as deemed available.

Line wise Shutdown Hours availed so far for the above purpose are given at **Annexure D. 9. (i):**

After detailed deliberation constituents have not agreed to the proposal given by POWERGRID. PGCIL requested that they may be allowed to bring this agenda before TCC/RPC, which was agreed.

(ii) NERLDC informed that it has been observed that Ranganadi is not operating on FGMO mode. NEEPCO stated that they will look into the matter and confirm to the same.

The sub-Committee noted as above.

(iii) Member Secretary intimated that NERPC had prepared the final LGBR for the year 2010-11. He informed that other regions have formed the LGBR Committee to prepare the LGBR. He requested that constituents may nominate one suitable officer as member of LGBR committee.

Constituents have agreed to the proposal and the same would be intimated to NERPC Secretariat.

The sub-Committee noted as above.

D. 10 Date & Venue of next OCC meeting

It is proposed to hold the 52nd OCC meeting of NERPC on 16th July, 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 51st OCC meeting held on 11/06/2010

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. M.K. Adhikary, DGM (Coml)	Assam	09864049287
4.	Sh. A.K. Saikia Sr. Mgr, LD&C	Assam	09864116176
5.	Sh. K. Goswami, Sr. Mgr, (Coml)	Assam	09864020019
6.	Sh. F.E. Kharshiing, EE, SLDC,	Meghalaya	09863066960
7.	Sh. T. Gidon, AEE, SLDC,	Meghalaya	
6.	No Representative	Mizoram	
7.	No Representative	Manipur	
8.	Sh. Bendang Longkumer, EE, (T)	Nagaland	09436004642
9.	Smt. Sampa Sen Sr. Mgr (SLDC)	Tripura	09436120263
10.	Sh. Soumitra Ghosh, Mgr (SLDC)	Tripura	09862764823
11.	Sh. A. Mallick, C.M	NERLDC	09436302720
12.	Sh P. Nath, Engr.	NERLDC	09436335374
13.	Sh. K. Bhuyan, DGM	NERTS	09435505419
14.	Sh. S. Bhattacharya, C.M	NERTS	09436302827
15.	Sh. S. Das, Sr. Engr	NERTS	09436335252
16.	Sh. H.K. Deka, GM, KHEP	NEEPCO	09436709095
17.	Sh. H.K. Changmai, DGM, KHEP	NEEPCO	09435522595
18.	Sh. Bhaskar Goswami, Sr. Mgr	NEEPCO	09436163983
19.	Sh. Tjoypal Roy, Sr. Mgr (E)	NEEPCO	09435577726
20.	Sh. J. Majumdar, Mgr (E), KHEP	NEEPCO	
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

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