



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/ 2572-604

Date: 20th December, 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

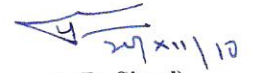
Sub: Minutes of the 57th OCC Meeting held on 10th December, 2010 at Shillong.

The Minutes of the 57th OCC Meeting of NERPC held on 10.12.2010 at "NERTS 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 57th

OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

Date: 10/12/2010 (Friday)

Time: 10:30 hrs

Venue: "NERTS Conference Hall," Shillong.

The List of Participants in the 57th OCC Meeting is attached at **Annexure - I**

Shri B.K. Jain, Member Secretary, NERPC welcomed all the participants of the 57th OCC. He briefed about the grid performance during the month of November, 2010. He stated that the power position till the month of November, 2010 is still comfortable. However, as the lean season is approaching the availability would be less and constituents have to plan how to cope the demand either through import from Eastern Region or through bilateral exchange till the next monsoon. He also requested all the participants to actively participate in the discussion for fruitful outcome of the meeting.

He then requested Shri A.K. Mishra, Superintending Engineer, NERPC to take up the agenda for discussion.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 56th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

S.E, NERPC mentioned that the minutes of the 56th meeting of the OCC held on 9th November, 2010 at Shillong were circulated to all the concerned, vide letter no. NERPC/AS/OCC/2010/1169 – 202, dated 15th November, 2010. He informed that POWERGRID vide letter No: NESH/OS/F-502/630 dated 26.11.2010 has given their observation on **Items No. C.2 & C.5** of the Minutes to be modified as below:

Item C.2: PGCIL in their letter above dated 26.11.2010 stated that the maintenance of the above SCADA link is not in the purview/scope of POWERGRID. The involvement of PGCIL to restore the link was mainly to assist Arunachal Pradesh. Thus, in such cases, PGCIL is not liable to invest anything for restoration of link.

Hence, the last sentence which goes as **"if any additional modem is needed, PGCIL would have to procure on their own"** may please be deleted from Minutes.

Member Secretary enquired from POWERGRID the current status. CM, PGCIL informed that the number of modems required would be intimated soon to Arunachal Pradesh.

The Sub- committee decided that since the link is not in the purview of PGCIL, the sentence of the minutes in **Item C.2** i.e. **"if any additional modem is needed, PGCIL would have to procure on their own"** as requested by PGCIL is deleted.

Item C.5: PGCIL in their letter above dated 26.11.2010 informed that additional space for erection of new gantry structure will be required to accommodate an isolator for making the reactor usable as Bus Reactor during outages of line.

Member Secretary stated that as decided in the 56th OCC meeting that there was no space constraint if the 31.5 MVA is used as a dedicated line reactor, PGCIL should abide by that decision and completed the installation at the earliest. PGCIL agreed.

CM, PGCIL also informed that the preparation of estimated cost of the reactor is under progress and the same would be intimated to NEEPCO for further action.

The Sub- committee noted as above.

As no other comments were received from any of the constituents, the minutes of the 56th OCC Meeting were confirmed with the above modifications.

S.E, NERPC requested NERLDC to give their presentation about the grid performance during the month of November, 2010.

I T E M S F O R D I S C U S S I O N

B. 10 OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING Nov' 10

As per the data made available by NERLDC, the grid performance parameters for November, 2010 are given below:

- i) **Average frequency** during November, 2010 was 50.00 Hz, as compared to 49.92 Hz in October, 2010.
- ii) **Minimum frequency** in November, 2010 was 49.12 Hz (18.11.10 at 18:09 hrs) compared to 49.09 Hz in the previous month.
- iii) **Maximum frequency** was 50.72 Hz (11.11.10 at 0:42 hrs), as compared to 50.79 Hz in Oct'2010.
- iv) **System frequency** remained within permissible range of 49.5 Hz to 50.2 Hz for 86.91 % of the time, below 49.5 Hz for 0.44 % and above 50.2 Hz for 12.65 % of the time as compared to 93.53 %, 0.99 % and 5.47 % of the time respectively in the previous month.
- v) **Regional peak** demand in November, 2010 was 1797 MW as compared to 1913 MW in October, 2010 a decrease of 6.06 % over the previous month.
- vi) **Energy requirement** was 818.31 MUs in November, 2010 compared to 922.27 MUs in October, 2010 a decrease of 11.27% over the previous month.
- vii) **Regional energy availability** in November, 2010 was 771.71 MUs compared to 842.40 MUs in the previous month, a decrease of 8.39 % over the previous month.
- viii) **Rise in demand met** was recorded in Ar. Pradesh (6.94%), Meghalaya (6.44%), Mizoram (3.39%) & Manipur (0.99%) over the previous month.
- ix) **Drop in demand met** was recorded in Tripura (6.09%), Assam (2.99%) & Nagaland (2.15%) over the previous month viz. Oct' 2010.
- x) **Over Voltages** at 400 kV substations were observed at Misa, Bongaigaon and Balipara where maximum voltage observed were 432 KV, 426 KV and 426 KV respectively.
- xi) **No over Voltages** were observed at 220kV S/S and 132 kV S/S.

- xii) **Under Voltages:** Aizawl 132KV S/S recorded a minimum voltage of 120KV.
- xiii) **Regional Generation & Inter-regional Exchanges:** During the month of November, 2010 compared to October, 2010 are given below:

SN	Parameter	November, 2010	October, 2010
REGIONAL GENERATION & INTER - REGIONAL EXCHANGES (in MU)			
1	Total Generation in NER (Gross)	686.484	952.423
2	Total Central Sector Generation in NER (Gross)	436.098	679.500
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	3.98	86.03
	(b) ER - NER	94.67	60.46
	(c) Net import	90.69	-25.57

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

NERLDC also informed that Operating Procedures have been circulated to all the constituents for comments before the end of November, 2010, but till date no comments have been received from any constituents. NERLDC enquired if the Operating Procedures should be confirmed.

Member Secretary directed NERLDC to wait till 17.12.2010; if no comments were received then the same may be taken as final.

The Sub-committee noted as above.

S.E, NERPC requested NERTS to give their presentation on the "**GRID TECH workshop**" to be held in the month of April, 2011 at New Delhi.

Details of Grid Tech workshop is enclosed at **Annexure-III.**

Member Secretary requested all the constituents to participate in the workshop.

The Sub-committee noted as above.

FOLLOW UP ACTION

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

S.E, NERPC informed that this item C.1 was already discussed in the confirmation of the minutes above.

The Sub-committee noted as above.

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

Member Secretary enquired from POWERGRID the current status of forest clearance.

CM, PGCIL informed that the 1st stage forest clearance has already been obtained. Presently, the file is under process at Principal Secretary, Govt. of Assam for onwards transmission to Regional MOEF, Shillong. The final forest clearance is expected by end of December, 2010.

Member Secretary enquired whether PGCIL would be able to keep the 132 KV Kopili – Khandong which was on ERS at present, on charge while constructing the proposed line so that power flow should continue on the ERS line.

CM, PGCIL informed that they have to find out if the proposed line to be constructed, is in the same route as of the ERS line. If it has to be in the same route then it would not be possible otherwise they would keep the ERS line on charge till the completion of the proposed 132 KV Kopili – Khandong line.

The sub-Committee noted as above.

C. 3 Installation of Line Reactor at Kathalguri end of Misa – Kathalguri line:

CM, POWERGRID informed that the cost estimate is under preparation and the same is expected to be completed shortly. After completion of estimate, the same would be submitted to NEEPCO for further action.

Member Secretary enquired about the likely date for completion of installation of reactor.

CM, PGCIL informed that considering the time taken for procurement of reactor it would be possible to complete within one year after placing of procurement order.

The Sub-committee noted as above.

C. 4 Installation of bay equipments in 132 KV Naharlagun S/S of Dept. of Power, Govt. of Arunachal Pradesh:

CM, PGCIL informed that as decided in the 56th OCC meeting all the relevant documents pertaining to installation of bay equipment at Naharlagun S/S has already been handed over to the representative of Arunachal Pradesh after the 56th OCC meeting.

Member Secretary stated that NERPC will write to Dept. of Power, Govt. of Arunachal Pradesh to complete the work at the earliest.

The Sub-committee noted as above.

C. 5 Revival of 132 KV P.K. Bari- Dullavcherra - Panchgram link between Assam & Tripura:

Since no representative from Tripura was present during the meeting the status could not be updated.

The Sub-committee noted as above.

D. NEW ITEMS

D. 1 Outage of 132 KV P.K.Bari – Kumarghat line - TSECL

Tripura informed vide letter dated 18th November, 2010 that NERLDC has advised Tripura to back down its gas thermal generation to an extent of 20 – 25 MW everyday at mid-night onward till morning 06:00 Hrs during these days. The reason given by NERLDC is to avoid overloading of Kumarghat – Badarpur line. Tripura is in the progress to add the 21 MW GTG (Unit – V) at Baramura funded by NEC, where Manipur & Mizoram have a share allocation of 5 MW each from this unit of Baramura.

As Tripura's state owned generation is fully based on gas thermal plant, so, any backing down of gas thermal generation causes flaring of huge natural gas. This would also put TSECL in commercial loss, criticism from Gas supplying utilities like ONGC/GAIL and Audit question etc.

TSECL therefore, requested NERLDC to find out alternative mechanism for dispatching the above power of Tripura's state generation.

Member Secretary enquired from NERLDC about the issue.

DGM, NERLDC informed that Tripura is injecting around 40 – 50 MW into the grid and NERLDC has instructed to Tripura to reduce their generation only when there was transmission constraint in the grid. He further stated that it would not be possible to back down the ISGS at RC Nagar as the share of all the constituents would be affected.

Member Secretary enquired the view from constituents about backing down of power of Central sector power.

All the constituents have agreed not to back down the ISGS generation.

The Sub – committee suggested that in order to avoid this problem, Tripura should revive the 132 KV P.K. Bari – Dullavcherra- Panchgram link at the earliest.

MS requested NERLDC to bring this issue as an agenda item in the forthcoming NERPC meetings.

The Sub-committee noted as above.

D. 2 Restoration of 132 KV Loktak – Jiribam line – Ckt I - TSECL

EE, Dept. of Manipur informed that the construction work of 132 KV Loktak – Jiribam line is under progress and the work from Loktak – Rengpang has been completed. Only a portion from Rengpang to Jiribam (about 39 KM) is yet to be completed.

The Sub-committee enquired from Manipur representative if the Sub-station is available at Rengpang and also if any load can be connected to Rengpang S/S.

Manipur representative informed that he will look in to the matter and intimate the same at the earliest.

The Sub-committee noted as above.

D. 3 Outage Planning for the Financial Year 2011-12

Member Secretary informed that as per Clause 5.7.4 "Outages Planning Process" of Indian Electricity Grid Code, RPC Secretariat is responsible for finalization of Annual Outage Plan for the following financial year by 31st January of each year and all SEBs/STUs, transmission licensees, CTU, ISGS IPPs, MPPs and other generating stations shall provide RPC Secretariat their proposed outage programmes in writing for the next financial year by 30th November of each year. Accordingly, Annual Outage Plan for the financial year 2011-12 is to be finalized by RPC Secretariat by 31st January, 2011.

AS, NERPC informed that the outage planning for F.Y 2011-2012 has been received from NEEPCO, Assam, Meghalaya, Tripura & POWERGRID.

Member Secretary requested the remaining states i.e. Arunachal Pradesh, Manipur, Mizoram & Nagaland to furnish the same at the earliest. He also informed that NERPC will once again write to the remaining States for submitting the outage planning.

The Sub-committee noted as above.

D. 4 Inclusion of Non-ISTS line as deemed ISTS line - AEGCL

AS, NERPC informed that Assam vide letter dated 03.12.2010 has intimated that General Manager, NLDC, vide his recent communication to MD, AEGCL has highlighted the need for early restoration of the second circuit of 220 KV BTPS-Agia-Nangalbibra D/C line under the subject of "Prioritization of elements for removal of congestion". This view of NLDC only corroborates our

earlier conjecture that this corridor is extremely vital for ER-NER link stability in general, and for Meghalaya's capability to draw CS power in particular. As such, till the completion of load flow studies, the criteria under "Special Category" may be invoked to treat this non-ISTS link as a deemed ISTS corridor.

Member Secretary informed that list of Non- ISTS lines have already been identified and the same has already been sent to NLDC and it would not be proper at this juncture to amend the list again. He informed that the list of Non - ISTS lines would be put up in the next RPC meeting for approval. He suggested Assam (AEGCL) to bring this issue as agenda item in the forthcoming meeting of RPC.

The Sub-committee noted as above.

D. 5 Monthwise Anticipated Generation of ISGS for the year 2011-12 - AEGCL

Assam vide letter dated 03.12.2010 has intimated that for comprehensive power system planning as well as for chalking out requisite plans for commercial dealings through bi-lateral exchange and exchange through bidding etc., we need to prepare LGBR well in advance- preferably by the month of January, 2011 for onward submission to commercial wing of APDCL. All stations under ISGS of NER may be advised to furnish the "Monthly Anticipated Generation - both in terms of MW and MWH for the year 2011-12 as early as possible.

AS, NERPC informed that NEEPCO has already furnished the above data, but the same has not yet been received from NHPC.

Member Secretary informed that they would write again to NHPC and if the same is not received within time, the Sub- Committee would assumed that they do not have plan for maintenance.

The Sub-committee noted as above.

D. 6 State-wise anticipated peak demand/requirement, shortage for December, 2010, January & February, 2011.

The sub-Committee reviewed the anticipated “peak demand availability” and finalized the same for the months of December, 2010, January & February, 2011.

December, 2010

January, 2011

February, 2011

S.No.	State	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)
1	Ar. Pradesh	100	95	90	85	90	80
2	Assam	1023	890	950	825	900	800
3	Manipur	115	100	105	95	95	85
4	Meghalaya	300	270	260	220	230	200
5	Mizoram	75	55	65	55	65	50
6	Nagaland	110	95	100	90	95	85
7	Tripura	220	190	185	160	170	140
	Region	1943	1695	1755	1530	1645	1440

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

D. 7 Generation Planning (ongoing and planned outages)

The Sub-committee **discussed and approved** the shutdown of generating units as proposed by NEEPCO. The same is enclosed at **Annexure D. 7.**

D. 8 Outage Planning Transmission elements

The Sub-committee **discussed and approved** the programme of transmission line outages for December, 2010 as proposed by PGCIL. The same is enclosed at **Annexure D. 8.**

D. 9 Estimated Transmission Availability Certificate (TAC) for the month of November, 2010.

The Final TAC certified by NERPC for the month of October, 2010 has been issued, vide letter No: NERPC/OP/TAC/2010/2223 dated 02.11.2010 is **99.0272%.**

The Estimated Transmission/System Availability for the month of November, 2010 furnished by PGCIL is **99.4560 %** as per details at **Annexure D. 9 (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 December, 2010 so that Final TAC for the month of November, 2010 can be issued.

The sub-Committee noted as above.

D. 10 Major grid disturbances in the previous month (October, 2010)

As intimated by NERLDC, there was one major grid disturbance on 15th November, 2010 (copy of the same is enclosed at **Annexure - D.10**).

DGM, NERLDC informed that there was a malfunction of relay at Bongaigoan S/S and after finding out the relay problem, POWERFRID had already replaced the faulty relay.

Member Secretary enquired from the constituents if an enquiry Committee should be appointed to investigate the cause of disturbance as has been done in other RPC. He stated that if the constituents agree he would request Chairman, CEA to appoint an enquiry committee.

Constituents informed that since the problem has been identified and rectified, as informed by POWERGRID, they would take note the proposal of Member Secretary in future.

The Sub-Committee noted as above.

D. 11 Any other item

i). Validation Committee: Member Secretary informed that CERC has constituted a Validation Committee to validate the data submitted to NLDC (Implementing Agency) for implementation of sharing of ISTS charges & losses by the beneficiary states and generators for conducting load flow studies and calculation of Point of Connection (PoC) charges & losses.

He also informed that Sh. Jatin Baishya, Sr. Manager, Assam is another member from NERPC alongwith Member Secretary as a member of Validation Committee. He requested Sh. Baishya to brief about the outcome of the last Validation Committee meeting.

Sh. Baishya, informed that as per data submitted by constituents to NERLDC, the NLDC has carried out the load flow studies. Based on the outcome of load flow studies the generation target and demand for the Utilities and constituents is to be finalized. He further informed that as per the data generated by NLDC he felt that some of the utilities have projected more generation and demand and vice versa. He read out the data for generators and demand of the states.

After discussion, constituents requested Member Secretary to consider their views as some of the generating units have been projected very high and also the demand of some states are low and some are high.

Member Secretary stated that since the next Validation Committee meeting is scheduled to be held on 13.12.2010 any suggestions should be sent before the 13.12.2010 so that the same would be discussed and finalized in the next validation meeting. Constituents agreed. It was decided that generation and load projection for the month of Jan11 as finalized in this OCC meeting shall be communicated to Validation Committee for load flow study corresponding to Jan-Feb 11 scenario. Same is given below:

<u>State</u>	<u>Demand in MW</u>
Arunachal Pradesh	85
Assam	920
Manipur	90
Meghalaya	220
Mizoram	69
Nagaland	90
Tripura	140

Member Secretary informed that this item would be discussed in every OCC meeting and its very important that all the constituents should participate regularly in every OCC meetings for their benefits.

The sub-Committee noted as above.

ii). CM, PGCIL informed that during various OCC and RPC meetings POWERGRID has raised the issue of frequent faults in 33kV System of

Arunachal Pradesh. Such faults are catered through the transformers of POWERGRID at Nirjuli and Ziro. Already transformer at Nirjuli and Ziro suffered failure. Arunachal may inform POWERGRID as to what measure is being taken up by DoP, AP to reduce the frequency of fault so that unwarranted failure of transformers can be avoided.

MS advised to raise the issue in forthcoming RPC Meeting

iii). **Double Jumpering of 132kV Aizawl-Kumarghat Line:** POWERGRID informed that they will invest and carryout double jumpering of 132kV Aizawl-Kumarghat Line to facilitate transfer of additional power to assist grid operation. However, for the purpose POWERGRID requested to consider deemed availability of the line during the double jumpering which is to be done in Shut Down.

MS advised to raise the issue in forthcoming RPC Meeting

iv). Sr. Manager, NEEPCO informed that they have replaced the faulty Over Voltage relay at Ranganadi end of Ranganadi-Balipara Line I&II. He requested POWERGRID to depute Engineer to put the carrier tripping relay in to service. POWERGRID agreed.

The sub-Committee noted as above.

v). DGM, NERLDC informed that whenever any new transformer or any new elements are added to the grid constituents have not informed in this matter. He requested all the constituents to kindly intimate the added elements so as to enable NERLDC to update the Single Line Diagram (SLD).

Member Secretary requested all the constituents to furnish the above data to NERLDC for updating the SLD.

The sub-Committee noted as above.

D. 12 Date & Venue of next OCC meeting

It is proposed to hold the 58th OCC meeting of NERPC on 11th January, 2011 (Tuesday). The venue of meeting will be intimated in due course.

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

Annexure-I

List of Participants in the 57th OCC meeting held on 10/12/2010

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. A.K. Saikia Sr. Mgr, LD&C	Assam	09864116176
4.	Sh Jatin Baishya, Sr. Mgr, LD&C	Assam	
5.	Sh. F.E. Kharshiing EE, SLDC,	Meghalaya	09863066960
6.	Sh. T. Gideon, AEE, SLDC,	Meghalaya	03642550020
7.	No Representative	Mizoram	
8.	Sh. Benjamin Saiate, EE, (P),	Manipur	
9.	No Representative	Nagaland	
10.	No Representative	Tripura	
11.	Sh. N.R. Paul, DGM	NERLDC	09436302723
12.	Sh. Kaling Jongkey, Sr. Engineer	NERLDC	09436994401
13.	Sh Anupam Kumar, Sr. AE.	NERLDC	09436335379
14.	Sh. P. Kanungo, CM	NERTS	09436302823
15.	Sh. Surajit Das, Mgr.	NERTS	09436335252
16.	Sh. Bhaskar Goswami, Sr. Mgr	NEEPCO	09436163983
17.	Sh. B.K. Jain, Member Secretary	NERPC	09436706436
18.	Sh. A.K. Mishra, S.E	NERPC	
19.	Sh.B. Lyngkhoi, AS	NERPC	09436163419
20.	Sh. S.M. Aimol, AEE	NERPC	08974002106

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