



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- ऑपरेटिव सोसायटी लि. बिल्डिंग

Meghalaya State Housing Finance Co-Operative Society Ltd.

Building

नाग्रिम हिल्स, शिल्लोंग - 793003

Nongrim Hills, Shillong - 793003.



(आई.एस.ओ.: 9001.2000)

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No. NERPC/AS/OCC/2010/ 4111 - 42

Date: 18th March, 2011

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, 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. AGM, NERLDC, Dongtiah-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

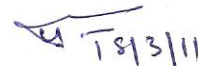
Sub: Minutes of the 60th OCC Meeting held on 11st March, 2011 at Guwahati.

The Minutes of the 60th OCC Meeting of NERPC held on 11.03.2011 at "Hotel Landmark", Guwahati 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 60th

OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

Date: 11/03/2011 (Friday)

Time: 10:30 hrs

Venue: "Hotel Landmark," Guwahati.

The List of Participants in the 60th OCC Meeting is attached at **Annexure - I**

Shri G.K. Das, CGM, LD&C, AEGCL welcomed all the delegates to the 60th OCC meeting. He thanked NERPC for giving them the opportunity to host the 60th OCC meeting at Guwahati. He also thanked Sh. S.K. Handique, Managing Director, AEGCL for attending the OCC meeting inspite of his busy schedule. He wished all the delegates a pleasant stay in Guwahati.

Shri B.K. Jain, Member Secretary, NERPC welcomed all the participants of the 60th OCC. He briefed about the grid performance during the month of February, 2011 and stated that grid parameters are within IEGC band and this show that grid discipline was being followed properly in the region. He also expressed satisfaction for the full participation from all the constituents and hoped that this trend shall continue in future.

He then requested Shri P.D. Siwal, S.E (O) NERPC to take up the agenda for discussion.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 59th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

SE, NERPC mentioned that the minutes of the 59th meeting of the OCC held on 15th February, 2011 at Shillong were circulated to all the concerned, vide letter no. NERPC/AS/OCC/2010/3650 – 682, dated 25th February, 2011.

Sr. Manager, NEEPCO informed that Minutes of 59th OCC meeting recorded on item No. C.3 which stated that "the revised cost estimate of the 20 MVA Reactor and bay equipment amounting to Rs. 4.444 crores has already been submitted to NEEPCO by POWERGRID." should be modified as the revised cost of estimate from POWERGRID along with Agreement was received only on 10.03.2011.

As no other comments were received from any of the constituents, the minutes of the 59th OCC Meeting was confirmed with the above modification.

SE, NERPC requested NERLDC to give their presentation about the grid performance during the month of February, 2011.

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

B.1 OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING Feb' 11

The grid performance parameters for the month of February, 2011 as presented by NERLDC during the meeting are given below:

- i) **Average frequency** during February, 2011 was 49.93 Hz, as compared to 49.86 Hz in January, 2011.
- ii) **Minimum frequency** in February, 2011 was 49.08 Hz (02.02.11 at 20:03 hrs) compared to 48.89 Hz in the previous month.
- iii) **Maximum frequency** was 50.67 Hz (21.02.11 at 05:04 hrs), as compared to 50.61 Hz in January, 2011.
- iv) **System frequency** remained within permissible range of 49.5 Hz to 50.2 Hz for 88.91 % of the time, below 49.5 Hz for 4.42 % and above 50.2 Hz for 6.67% of the time as compared to 89.29 %, 5.58 % and 5.13 % of the time respectively in the previous month.
- v) **Regional peak** demand in February, 2011 was 1665 MW as compared to 1667 MW in January, 2011 a decrease of 0.13 % over the previous month.
- vi) **Energy requirement** was 765.80 MUs in February, 2011 compared to 851.16 MUs in January, 2011 a decrease of 10.03 % over the previous month.
- vii) **Regional energy availability** in February, 2011 was 723.03 MUs compared to 805.22 MUs in the previous month, a decrease of 10.21 % over the previous month.

- viii) **Rise in demand met** was recorded in Meghalaya (16.39%), Mizoram (7.69%), & Assam (2.68%) over the previous month.
- ix) **Drop in demand met** was recorded in Nagaland (10.58%), Manipur (9.57%), & Tripura (0.61%), over the previous month viz. January, 2011.
- x) **Over Voltages** at 400 kV substations were observed at Misa, Bongaigaon and Balipara where maximum voltage observed were 432 kV, 425 kV and 426 kV respectively.
- xi) **No over Voltages** were observed at 220 kV S/S and 132 kV S/S.
- xii) **No Under Voltages** were observed at 400 kV, 220 kV S/S. However at 132 kV Aizawl, S/S under voltage observed was 120 kV.
- xiii) **Regional Generation & Inter-regional Exchanges:** During the month of February, 2011 compared to January, 2011 are given below:

SN	Parameter	February, 2011	January, 2011
REGIONAL GENERATION & INTER - REGIONAL EXCHANGES (in MU)			
1	Total Generation in NER (Gross)	569.777	647.533
2	Total Central Sector Generation in NER (Gross)	346.440	405.874
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	0.00	0.00
	(b) ER - NER	169.20	172.00
	(c) Net Import	169.20	172.00

The Sub-committee noted as above.

FOLLOW UP ACTION

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

E.E, Ar. Pradesh informed that they have already placed Order for procurement of modems and the same is expected to be delivered soon.

The Sub-committee noted as above.

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

CM, POWERGRID informed that they are rigorously followed up the matter with Forest Dept. Govt. of Assam and informed that the file is presently with CCF,

Diphu. Further he informed that several formalities have to be completed before getting final clearance from Regional office of Ministry of Environmental & Forest, Shillong. MD of AEGCL requested POWERGRID to provide all relevant documents to AEGCL so that the matter can be followed up by Assam for Assam portion. POWERGRID agreed to provide the same. The status would be reviewed in the next OCC meeting.

The sub-Committee noted as above.

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

Sr. Manager, NEEPCO informed that since the revised cost estimate along with the agreement was received only on 10.03.2011, the status would be intimated in the next OCC meeting after getting concurrence from NEEPCO management. However, POWERGRID requested NEEPCO to give clearance soon for taking advance action for tendering to expedite the installation.

The Sub-committee noted as above.

C. 4 Revival of 132 KV P.K. Bari- Dullavcherra - Panchgram link between Assam & Tripura:

Tripura informed that renovation work with change of conductor of 132 KV P.K. Bari- Dharmanagar (up to Churaibari) has been completed in all respect. Further they informed that installation of 132 KV breakers at Dharmanagar S/S (Mission Tilla) on both sides have also been completed and ready for operation. Tripura also stated that load up to 70 MW can be catered through this line. The line was being operated in radial mode at present.

Member Secretary requested NERLDC to fix the date for synchronization of the line from P.K. Bari up to Panchgram in consultation with SLDC of Assam & Tripura.

CGM, AEGCL informed that some maintenance work is under progress at Panchgram, he requested to fix the date in the last week of March, 2011.

It was decided that NERLDC would fix the date in consultation with Assam & Tripura for test synchronization of the line. Tripura was requested not to inject more than 50 MW during the exercise. The status would be reviewed in the next OCC meeting.

C. 5 Restoration of Carrier tripping relay at Ranganadi end:

Sr. Manager, NEEPCO informed that 400 KV Ranganadi – Balipara ckt- I has not been tested since the line is not on charge condition.

Member Secretary requested both PGCIL & NEEPCO to jointly co-ordinate for testing of carrier tripping at both end within March, 2011 and intimate the status in the next OCC meeting. PGCIL & NEEPCO agreed.

The Sub-committee noted as above.

C. 6 Special Protection Scheme for N.E. Region:

CM, POWERGRID informed that they have fixed up the date on 14.03.2011 to test the existing equipments and the status would be intimated in the next OCC meeting.

The Sub-committee noted as above.

C. 7 Transfer facility in Bus Bar arrangement:

CGM, LD&C, Assam informed that the work is in progress and the work at Mariani & Samaguri would be completed by the end of March, 2011 & April, 2011 respectively.

The Sub-committee noted as above.

C. 8 Multiple problems with new L&T meter & software (VINPLUS):

CM, POWERGRID informed that the engineer from L&T would visit on 14.03.2011 along with compatible software and expected that the problems would be solved. The status would be intimated in the next OCC meeting.

The Sub-committee noted as above.

C. 9 Installation of two main numerical distance protection scheme:

CGM, LD&C, Assam informed that both the distance numerical relays at 220 KV Samaguri have already been installed and completed.

Sr. Mgr, NEEPCO informed that they would take up the matter with higher authorities and the same would be intimated in the next OCC meeting.

The Sub-committee noted as above.

C. 10 Single-Phase Auto-Reclosure of Transmission Lines:

The status of SPAR as reviewed during the 60th OCC meeting is given below:

Sr. No.	Name of the Line	Ownership	Status as given on 60 th OCC meeting.
1	400kV Balipara - Ranganadi I&II	RHEP, NEEPCO	NEEPCO & PGCIL will jointly inspect and co-ordinate for making the SPAR operationalize at both the circuits. The status will review in the next OCC.
2	220kV Kopili - Misa # I & II	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
3	220kV Salakati – BTPS - I & II	BTPS, AEGCL	Assam informed that the work is in progress and the same will be completed in 2 months.
4	220kV Balipara - Samaguri	Samaguri, AEGCL	Assam informed that work at Samaguri will take atleast one year.
5	132kV Aizawl - Zemabawk	Zemabawk, P&E, Mizoram	Mizoram informed that no progress has been made so far, status will be intimated accordingly.
6	132kV Khandong - Haflong	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
7	132kV Khandong - Kopili	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
8	132kV Loktak - Imphal # II	Loktak, NHPC	Within three months
9	132kV Ranganadi- Ziro	RHEP, NEEPCO	NEEPCO informed that breakers are only 6 years old and it would not be viable to replace the breakers. MS, NERPC stated that SPAR is very important for minimum interruption and NEEPCO should find means to replace the breakers as agreed in the 10 th RPC meeting. The existing CBs may be used elsewhere.

The Sub-committee noted as above.

D. NEW ITEMS

D. 1 Agenda Item from TSECL

- i). Tripura informed that in many instances whenever the outage lines are restored NERLDC never informed the constituents and this has created difficulty in proper planning of load. They requested NERLDC to give the necessary information after restoration of Generation/Transmission outage.

Member Secretary informed that this matter has been discussed earlier also and he requested the affected constituents to come out with a specific incidence for discussion in OCC meeting.

The Sub-committee noted as above.

- ii). Tripura requested POWERGRID to keep the 132 KV Kumarghat – Badarpur and 132 KV Kumarghat – Aizawl lines healthy during the monsoon period. POWERGRID agreed.

The Sub-committee noted as above.

- iii). Tripura informed that even after commissioning of 132 KV Kopili – Khandong Ckt – II the drawal restriction is still persist in 132 KV pocket, they enquired from NERLDC about the status in this matter.

DGM, NERLDC informed that with only one 160 MVA ICT the power flow is around 120 - 135 MW and some margin is kept in case of any exigency for grid security. The other ICT could not be made parallel due to impedance mismatching.

Member Secretary informed that there should not be any compromise for grid security & stability and constituents should follow the instruction of NERLDC.

The Sub-committee noted as above.

D. 2 Non-reporting of RTUs of Assam System:

Assam informed that installation of 51 RTUs is under progress and the same would be synchronized soon. Once the installation and synchronization is over, the problem of non – reporting will be restored.

The Sub-committee noted as above.

D. 3 State-wise anticipated peak demand/requirement, shortage for March April & May, 2011.

The sub-Committee reviewed the anticipated “peak demand availability” and finalized the same for the months of for the months of March, April & May, 2011.

March, 2011

April, 2011

May, 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	95	70	95	90	90	90
2	Assam	925	750	950	800	930	800
3	Manipur	100	80	100	80	85	85
4	Meghalaya	240	190	260	215	220	215
5	Mizoram	70	50	70	60	70	55
6	Nagaland	100	80	100	85	100	85
7	Tripura	175	140	175	150	165	150
	Region	1705	1360	1750	1480	1660	1480

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

D. 4 Generation Planning (ongoing and planned outages)

Sr. Mgr. NEEPCO informed that Kopili Unit#1 which was “under forced shutdown due to stator earth fault” from 10.01.2011 would be restored by 20.04.2011. NEEPCO has proposed to take shutdown of the following units as below:

- i). Kopili U#4 from 15.03.11 to 04.04.11 (20 days) for APM.
- ii). Ranganadi U#2: from 20.03.11 to 04.04.11 (15 days) for APM.

Further he informed that the above shutdown of Kopili U#1 and Ranganadi U#2 were approved during the 57th OCC meeting held on 10.12.2010, i.e. from 05.02.2011 (for 20 days) and from 17.01.2011 (for 15 days) respectively. However, due to technical problems the units were not taken under shutdown.

The Sub-Committee requested NEEPCO to take shutdown of Kopili Unit #4 after Kopili Unit#1 was brought back into service. NEEPCO agreed.

Mgr. NHPC also informed that the Loktak Unit#1 which was under shutdown for R&M works would be restored in the month of April, 2011.

Further, NHPC proposed to take total shutdown of Loktak Power station from 1st May, 2011 to 15th June, 2011 (i.e. for a period of one and half month) for repairing of Draft tube gate (D.T. gate) & under water structure. He informed that unless immediate repair of D.T. Gate is carried out, disaster may occur and this may cause further problem to the constituents. He requested the OCC forum to grant total shutdown of Loktak HEP as proposed above.

Member Secretary informed that with complete shutdown of Loktak HEP Manipur would face acute shortage of power. He requested NERLDC to carry out the load flow study by considering 0 MW from Loktak HEP and suggest the best possible way to meet the power requirement of Manipur. Further, he stated that decision for complete shutdown of Loktak HEP has to be taken in consultation with Manipur. All constituents agreed to the proposal of Member Secretary.

The matter was deferred to the next OCC meeting.

D. 5 Outage Planning Transmission elements

The Sub-committee **discussed and approved** the programme of transmission line outages for March, 2011 as proposed by PGCIL, NHPC & TSECL. The same is enclosed at **Annexure D. 5.**

DGM, NERLDC stated that whenever 400 KV Ranganadi – Balipara TL is switched over from ckt – I to ckt – II, NEEPCO has to operate the Isolator for making the Bus Reactor into Line Reactor for which NEEPCO has expressed their unwillingness to do so in the past also. He also referred to the discussion held on 08.03.2007 wherein it was agreed that PGCIL would install CB at Balipara S/S for switching of reactors and POWERGRID has not installed the breakers so far.

POWERGRID stated that they have covered this work under transmission system associated with Kameng HEP.

Member Secretary suggested that commissioning schedule of Kameng HEP was not known and POWERGRID may get the installation of shunt reactor breaker earlier to comply with the decision taken in 2007. He asked POWERGRID to give the time frame for installation of shunt reactor breakers in the next OCC meeting.

Member Secretary also requested NEEPCO to co-operate with POWERGRID to avail

the proposed shutdown of Ranganadi – Balipara – I in the interest of grid security. NEEPCO agreed.

The Sub-committee noted as above.

D. 6 Estimated Transmission Availability Certificate (TAC) for the month of February, 2011.

The Final TAC certified by NERPC for the month of January, 2011 has been issued vide letter No: NERPC/OP/TAC/2010/3842 dated 28.02.2011 is **99.9451%**.

The Estimated Transmission/System Availability for the month of February, 2011 furnished by PGCIL is **99.9010 %** as per details at **Annexure D. 6** (Copy of the same is also available at NERPC website). NER constituents are requested to kindly give their comments and observations, if any, by 28th March, 2011 so that Final TAC for the month of February, 2011 can be issued.

The sub-Committee noted as above.

D. 7 Roaster for OCC Meeting

As decided in the 10th NERPC meeting NERPC Secretariat has prepared a roaster for OCC meetings as given below. All the constituents agreed to follow the roaster.

NEW ROASTERS OF OCC MEETING OF NERPC TO BE FOLLOWED FROM 01.03.2011

Sl. No	No. of OCC	Month	Venue	Host by
1.	60 th OCC	11.03.2011	Guwahati	ASSAM
2.	61 st OCC	April, 2011		NHPC
2.	62 nd OCC	May, 2011		ARUNACHAL PRADESH
3.	63 rd OCC	June, 2011		NEEPCO
4.	64 th OCC	July, 2011		MANIPUR
5.	65 th OCC	August, 2011		POWERGRID
6.	66 th OCC	September, 2011		MEGHALAYA
7.	67 th OCC	October, 2011		MIZORAM
8.	68 th OCC	November, 2011		NAGALAND
9.	69 th OCC	December, 2011		TRIPURA
10.	70 th OCC	January, 2012		NEEPCO
11.	71 st OCC	February, 2012		ARUNACHAL PRADESH
12.	72 nd OCC	March, 2012		NHPC
13.	73 rd OCC	April, 2012		ASSAM

The sub-Committee noted as above.

D. 8 Major grid disturbances in the previous month (February, 2011)

There was no major grid disturbance during the month of February, 2011.

The Sub-Committee noted as above.

D. 9 Any other item

i). DGM, NERLDC informed that whenever tripping occurred in Kopili, on Kopili – Khandong line, no indication is available to them neither the reason for tripping is communicated.

POWERGRID informed that they do not have a site operator at Kopili to maintain SCADA system and they have to depute somebody whenever there was a problem in SCADA system.

NEEPCO suggested that POWERGRID should either permanently depute operator at Kopili or handover the operation of line to NEEPCO for which POWERGRID may train site engineers of NEEPCO.

CM, PGCIL requested NEEPCO to identify the site engineers and intimate the date so that PGCIL can depute their engineer to train them. NEEPCO agreed.

The sub-Committee noted as above.

ii). SE, SLDC, Mizoram stated that whenever 132 KV Lungmual (PG) – Zemabawk (MZ) line has to shutdown due to some grid problem, NERLDC only informed to Lungmual (PG) but not to Mizoram. He requested them to look into the matter.

DGM, NERLDC informed that this happen only in some extreme contingency condition and not on regular basis. If it is not possible immediately, then the reason is always intimated once the crisis condition is over.

Member Secretary requested NERLDC to intimate the affected constituent whenever line shutdown is availed. NERLDC agreed.

The sub-Committee noted as above.

D. 11 Date & Venue of next OCC meeting

It is proposed to hold the 60th OCC meeting of NERPC on 11th March, 2011 (Friday). The venue of meeting will be intimated in due course.

The meeting ended with a vote of thanks by Shri Jatin Baishya, AGM, AEGCL.

List of Participants in the 60th OCC meeting held on 11/03/2011

Sl. No	Name & Designation	Organization	Contact No. /e-mail ID
1.	Sh. W. Rehman, E.E, SLDC	Ar. Pradesh	09435085129
2.	Sh. S.K. Handique, MD	Assam	
3.	Sh. G. K. Das, CGM, LD&C	Assam	09435085129
4.	Sh. Bikash Paul, CGM	Assam	09435018574
5.	Sh. K.K. Das, DGM, LD&C	Assam	09435182116
6.	Sh. A.K. Baruah, AGM	Assam	09864012189
7.	Sh. B.M. Saikia, AGM, APDCL	Assam	09435017233
8.	Sh. J. Baishya, AGM	Assam	
9.	Sh. K. Goswami, AGM, APDCL	Assam	09864020019
10.	Sh. A.K. Saikia AGM, LD&C	Assam	09864116176
11.	Sh. D.J. Lyngdoh, AEE, SLDC,	Meghalaya	09863063375
12.	Sh. M.K.War, AEE, SLDC,	Meghalaya	09436116496
13.	Sh. C. Lianlunga, SE, SLDC,	Mizoram	09436142332
14.	No Representative	Manipur	
15.	Sh. B Longkumer, EE, SLDC,	Nagaland	09436004642
16.	Smt. Shampa Sen, Mgr, SLDC,	Tripura	09436120263
17.	Sh. N.R. Paul, DGM	NERLDC	09436302723
18.	Sh Anupam Kumar, Sr. AE.	NERLDC	09436335379
19.	Sh. P. Kanungo, Ch. Mgr.	NERTS	09436302823
20.	Sh. Bhaskar Goswami, Sr. Mgr	NEEPCO	09436163983
21.	Sh. Y. Surjamani Singh, Mgr.	NHPC	09436894857
22.	Sh. B.K. Jain, Member Secretary	NERPC	09436706436
23.	Sh. P.D. Siwal S.E (O)	NERPC	09436998378
24.	Sh. A.K. Mishra, S.E	NERPC	09402134275
25.	Sh.B. Lyngkhoi, AS	NERPC	09436163419
26.	Sh. D.K. Bawri, AEE	NERPC	09863317236

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Shutdown Programme
as approved in the 60th OCCM held on 11.03.2011 at "Hotel Landmark," Guwahati

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 - Kopili-I	05.04.11 to 09.04.11	08:30 Hrs to 16:30 Hrs	Phase-I: Installation of Second numerical distance Protection Relays as per the notification no. 12/X/STD (CONN)/GM/CEA dated 21/02/2007 part-III(3)	
2	400KV Ranganadi - Balipara -I	22.03.11 to 26.03.11	08:00 Hrs to 16:00 Hrs	Erection of new tower and shifting of conductor from ERS to new tower at Loc. No. 43	400KV Ranganadi-Balipara -I
3	400KV Ranganadi-Balipara -II	12.03.11 to 20.03.11	08:00 Hrs to 16:00 Hrs	Erection of cross arm and shifting of conductor from ERS to new tower at Loc. No. 43	400KV Ranganadi-Balipara -II
* NOTE : All the associated bay maintenance would be done during the S/D of respective T/ L					

S/D PROGRAM FOR AEGCL					
S/N	Name of Sub-Station	Date	Time	Purpose	Areas / Feeders Affected
1	132KV Nirjuli Bay	28.03.11 to 08.04.11	Continuou s S/D	Installation of new SF6CB under R&M Scheme	132KV Gohpur-Itanagar

S/D PROGRAM FOR TSECL TRANSMISSION LINES & ITS ASSOCIATED BAYS:					
Name of Tr. Lines	Date	Time	Purpose	Areas / Feeders Affected	
132 KV PK Bari - KGT, PG	12.03.11 & 16.03.11	09:00 Hrs to 15:00 Hrs	AMP	132 KV PK Bari - KGT, PG	
132 KV Dharmanagar - Dullavchhera	17.03.11, 21.03.11 & 30.03.11	09:00 Hrs to 15:00 Hrs	AMP	132 KV Dharmanagar - Dullavchhera	
132 KV PK Bari - Dharmanagar	23.03.11 & 29.03.11	09:00 Hrs to 15:00 Hrs	AMP	132 KV PK Bari - Dharmanagar	
* NOTE : All the associated bay maintenance would be done during the S/D of respective T/ L					

S/D PROGRAM FOR NHPC					
Name of Tr. Lines	Date	Time	Purpose	Areas / Feeders Affected	
132 KV Loktak – Imphal-II	Three and half Days **		Checking of CTs, CVT, LA & Maintenance of MOCB	132 KV Loktak – Imphal-II	

**The exact date and duration will be intimated to NERLDC by NHPC.