



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/OP/OCCM\_Corr/2008/ 904-36  
To

Date: 26<sup>th</sup> May, 2009

1. CGM, (LDC), SLDC Complex, AEGCL, Kahelipara, Guwahati-781 019
2. Managing Director, AEGCL, Bijuli Bhawan, Guwahati - 781 001
3. Member (Tech), MeSEB, Lumjingshai, Short Round Road, Shillong - 793 001
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. Chief Engineer (P), Department of Power, Govt. of Nagaland, Kohima - 797 001
7. Chief Engineer (P), Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
8. Chief Engineer (P&E), Department of Power, Govt. of Mizoram, Aizawl - 796 001
9. General Manager, TSECL, Agartala - 799 001
10. GM, NERLDC, Dongtich-Lower Nongrah, Lapalang, Shillong -793 006
11. ED (O&M), NERTS, PGCIL, Dongtich-Lower Nongrah, Lapalang, Shillong -793 006
12. ED (O&M), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
13. ED (Commercial), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
14. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
15. ED (Commercial), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
16. Vice President, PTCIL, 2<sup>nd</sup> Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi - 110022
17. AGM(BD), NVVN, Core5, 3<sup>rd</sup> Floor, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi - 110003

Sir,

Sub: Minutes of the 38<sup>th</sup> OCC Meeting held on 08<sup>th</sup> May, 2009 at NEEPCO Office, Guwahati

The Minutes of the 38<sup>th</sup> OCC Meeting of NERPC held on 08.05.09 at "NEEPCO Conference Hall", Guwahati is enclosed for favour of kind information and further necessary action please.

The Minutes of the same is also posted in the website of NERPC and this may also be downloaded from the website of NERPC [www.nerpc.nic.in](http://www.nerpc.nic.in)

Encl: As above.

भवदीय / Yours faithfully,

सदस्य सचिव / Member Secretary

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 38<sup>th</sup>

### OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

**Date:** 08/05/2009 (Friday)

**Time:** 10:30 hrs

**Venue:** "NEEPCO Conference Hall", Guwahati.

The List of Participants in the 38<sup>th</sup> OCC Meeting is given in **Annexure – I**

Sh. N. Chakravarty, Executive Director (O&M), NEEPCO welcomed all the participants to the 38<sup>th</sup> OCC Meeting of NERPC. He expressed his sincere thanks to NERPC for giving NEEPCO to host this OCC Sub-committee meeting. He requested all the participants to actively participate in the discussion so that the meeting will bear a fruitful outcome. He then requested Shri Manjit Singh, Member Secretary, NERPC to proceed the meeting.

Member Secretary thanked NEEPCO for hosting this Sub-committee meeting. He informed that LGBR for the year 2009 – 10 had been prepared as per the data furnished by the constituents and in consultation with CEA and the same was circulated to all constituents. He also informed about the new CERC regulations 2009 ( Terms & conditions of Tariff ) have become effective from 01.04.09.

Thereafter, he requested Shri B. Sarkhel, Superintending Engineer (Operations), NERPC to take up the agenda items for discussion.

#### A. CONFIRMATION OF MINUTES

#### CONFIRMATION OF MINUTES OF 37<sup>th</sup> MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

Superintending Engineer (Operations), NERPC stated that the minutes of 37<sup>th</sup> meeting of Operation Sub-committee held on 8<sup>th</sup> April, 2009 were circulated vide letter No. NERPC/AS/OCCM\_Corr/2008/228 – 60 dated 27<sup>th</sup> April, 2009.

**As no comment was received from any of the constituents, the minutes of the 37<sup>th</sup> OCC Meeting were confirmed.**

<b>ITEMS FOR DISCUSSION</b>
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**B. Operational Grid Discipline and Operational Planning**

Member Secretary then briefed about the grid performance during the month of April, 2009. He stated that as per the data made available by NERLDC, the average frequency during April 2009 was 49.47 Hz compared to 49.61 Hz in the previous month. The minimum frequency in April 2009 was 48.37 Hz (14.04.09 at 23:36 hrs) and maximum frequency was 50.81 Hz (12.04.09 at 00:50 hrs) as against corresponding values of 48.77 Hz and 50.55 Hz in the previous month respectively. The system frequency remained within permissible range of 49.0 Hz to 50.5 Hz for 79.73 % of the time, below 49.0 Hz for 20.25 % compared to the corresponding figures of 98.01% & 1.91 % respectively and for the system frequency was above 50.5 Hz for 0.02 % of the time during April 2009. The regional peak demand in April 2009 was same as of previous month i.e. 1460 MW. The energy requirement was 700.42 MUs compared to 715.10 MUs in previous month. The regional energy availability in April 2009 was 609.98 MUs compared to 620.01 MUs in previous month- a decrease of 1.61% over the previous month. The rise in demand met was highest of 33.59% in Tripura followed by Assam with 7.7 % over the previous month. The drop in demand met was marginally recorded in for Manipur, and Meghalaya over the previous month viz. March 2009.

High voltages at 400 kV substations were encountered at Bogaigoan, Balipara and Misa where maximum voltage observed was 425 kV, 429 kV and 429 Kv respectively. High voltage at 132kV at Halflong S/s was observed at 149 kV. Aizawal 132 kV S/station experienced a minimum voltage of 117 kV.

***The Sub-committee noted as above.***

During the discussion of grid review and performance of Kathalguri Gas based project of NEEPCO, It was pointed out by NEEPCO that the units experienced a

number of trippings due to various reasons. At present, Unit no.3 is under overhauling and Unit no. 4 is also under maintenance. If three compressors are in operation, the expected generation would be in the range of 230/240 MW against the installed capacity of 291MW. During the last 15 years of its service, the following problems are encountered inspite of striving best by the plant personnel:

- a) Gas engines run on gas supply which was being received in contaminated form.
- b) Last five years the units had been running lower PLF and showing decline trend for which CERC lowered the PLF from 76% to 72% which is still higher. Most practical target PLF would 68-70% only and CERC will be approached for this.
- c) Inadequate availability Gas
- d) Inventory of spare parts of compressors was not adequate and were not readily available

The Sub-Committee discussed and suggested as:

- i) NEEPCO should immediate necessary steps to ensure the trouble operation of the gas compressor units and continuous availability of three compressor units so as to enable to achieve target PLF
- ii) To ensure adequate availability of the gas from supplier as per the agreements.
- iii) NEEPCO may also take up immediate action up for R&M works of the station as per the norms.

<b>FOLLOW UP ACTION</b>
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**C. 1. Installation of Line Reactor at Kathalguri end of 220kV Misa - Kathalguri Line**

This issue was discussed in earlier OC Sub-committee meetings of NERPC about the results of study conducted to identify requirement of a line reactor at Kathalguri end of 400 kV Misa-Kathalguri line to reduce the voltage rise on it so as to facilitate charging of line from Kathalguri end. As per the recommendations

of the study, provision of 220 kV, 25 MVAR line reactor at Kathalguri end is required to be made. The OC sub-Committee had suggested about conducting a study by PGCIL to examine system behaviour with the proposed additional reactor. PGCIL were to revert back on the matter.

***PGCIL once again intimated that the result of the above study is still awaited from their Corporate office. PGCIL was requested to expedite the matter in this regard and intimate the status in the next OCC positively as the timely decision by the OC Sub-committee on the recommended proposal of NERLDC would help in ensuing smooth operation of NER grid.***

**C. 2. Preparation of LGBR for the year 2009-10**

S.E (O), NERPC informed that the draft LGBR for the year 2009 – 10 has been prepared by NERPC based on the data furnished by the constituent States and Central generating stations and in consultation with CEA. LGBR was circulated vide letter No: NERPC/OP/LGBR/2009/142 – 79, dated 07.05.2009. A copy of the same is also being made available at the NERPC website.

***This is for information only. Sub-committee noted as above.***

**C. 3. Status of Khandong Shutdown.**

NEEPCO informed that all maintenance works have been completed and further they have intimated that although building up of reservoir water level was started from 16.03.2009. The units are now running during peak hours of the day regularly. Once the water is available the machines are ready to generate round the clock basis.

***The Sub-Committee noted.***

**C. 4. Special Protection for vulnerable 132 kV NER pocket.**

GM, NERLDC informed the house that the Special Protection Scheme has been prepared by NERLDC and circulated during the last (37<sup>th</sup>) OCC meeting. However, till date no comment has been received from any constituents.

Member Secretary requested the constituents that Special Protection Scheme is very important for grid security and is ensuring minimum level of redundancy. Hence, all the constituents should study thoroughly and offer their feedback before implementing the schemes proposed by NERLDC.

***The Sub-committee appreciated the Scheme prepared by NERLDC and requested NERLDC to give some more time to the constituents so that they can study the same and discuss further for putting up the outcome to ensuing TCC/RPC meetings for approval.***

## **D. NEW ITEMS**

### **D. 1 Non-functioning of SCADA in Arunachal Pradesh state - Arunachal**

GM, NERLDC informed that PGCIL/NERLDC representatives along with M/s AREVA had visited Itanagar on 24.03.09 for this purpose. During inspection, it was observed that UPS was functioning properly but there were certain problems in the SCADA part of the system and SCADA software needs to be re-installed (by POWERGRID) and 48V DC modem is to be procured in line with all other modems connected to the source. NERLDC intimated that the arrangement for reinstallation of SCADA software is being made and would be made soon. He however desired that the reliability of data channel between Itanagar to NERLDC, Shillong through BSNL network is also necessary to be achieved.

### **D. 2 Synchronising of 4 MW Seppi Micro Hydel Project in Arunachal Pradesh**

As per the intimation received from Arunachal Pradesh, the matter regarding provision of metering was to take up, NERLDC stated that metering has already been in place at all Inter-connecting points of the State, hence it is not necessary to install new SEM at this station (source) since the power flow (both drawl/injection ) to the State is known and taken care of by the existing SEMs.

**The Sub-Committee noted the same.**

**D. 3 Status of 16 MVA Transformer at Nirjuli S/S of POWERGRID – Arunachal**

Member Secretary informed that Arunachal Pradesh had enquired about the status of the provision of transformer as decided in the last 7th NER Power Committee meeting held at Shillong on the 24th February, 2009 where it was decided that POWERGRID should replace the above transformer through O&M expenditure.

**POWERGRID intimated that the existing transformer at Nirjuli will be replaced with a healthy transformer at Nirjuli S/s by January,2010.**

**D. 4 Replacement of CT of ratio 400/1 Amp at Kumarghat PGCIL S/S - TSECL**

**D. 5 Kopili – Khandong ICT to remain open till midnight- TSECL**

In respect of the Items No D. 4, TSECL have requested change the CT ratio of 400/1 Amp in place of existing ratio 300/1Amp at Kumarghat end showing direction towards P.K.Bari end in order to enhance the power flow through the line. PGCIL agreed to look into it.

Regarding the proposal of TSECL on item D.5, keeping of Kopili – Khandong ICT open (by opening of 132 kV bus coupler breaker), GM, NERLDC stated that this aspect would be looked into keeping in view the overall interconnected operation of NER grid in the real time. All necessary steps will be taken up by NERLDC accordingly.

**The Sub-Committee noted the above.**

**D. 6 Payment of Transmission Charges for Inter-State Transmission System**

Member Secretary informed that as per the Regulation 32 (3) of CERC (Term & Conditions of tariff) Regulations 2009, the monthly Energy Account (REA) issued by NERPC Secretariat shall also include a statement specifying the ratio in which Transmission charges for that month are to be shared by the transmission users in accordance with Regulation 33.As per Regulation 23 (4), the transmission licensee shall raise the bill for the transmission charge (inclusive of incentive) for the month based on its estimated of transmission system availability factor

(TAFM). Adjustments if any shall be made on the basis of the TAFM to be verified by RLDC and certified by the Member Secretary of the Regional Power Committee of the concerned region within 30 days from the last day of the relevant month. Based on the provisional REA issued by NERPC and estimated TAFM of POWERGRID, monthly bill for transmission charges inclusive of incentives shall be raised by POWERGRID. The TAFM for relevant month to be certified by NERPC needs to be issued by 30th of following month and to be included in REA of the following month on the basis of monthly transmission availability data after duly verified by NERLDC.

The Sub-Committee suggested monthly transmission availability data submitted by PGCIL in each OCC may be concurred by NER beneficiary states and comments/modifications, if any intimated by 20<sup>th</sup> of each month. In case of no feedback, the same may be treated to be concurred and the NERLDC verified data (furnished by NERLDC) by 23<sup>rd</sup> for certification by NERPC Secretariat within 30 days from the last day of relevant month.

**PGCIL, NERTS agreed to take action accordingly.**

**D. 7 Evening Peak data at 20:00 in place of 19:00 Hrs.**

Regarding the above proposal by NERLDC, Member Secretary said that with the onset of summer season, the constituents require to furnish the evening peak data at 20:00 hrs instead of that at 19:00 hrs w.e.f. 01.05.2009 in order to have a realistic regional peak demand. It was agreed that the morning peak data would however continue to be furnished at 08:00 hrs as per the present practice being followed.

GM, NERLDC intimated that the above change has since been implemented w.e.f 01.05.09.

**D. 8 State-wise Anticipated peak demand/requirement, shortage for May, 2009 and June, 2009**

The sub-Committee reviewed the anticipated peak demand/energy requirement and finalized the same for May, 2009/June, 2009 as under:

S.No.	State	<u>May, 2009</u>		<u>June, 2009</u>	
		Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)
1	Arunachal Pradesh	88	83(63)*	90	70
2	Assam	820	790(740)*	850	820
3	Manipur	118	96(65)*	110	90
4	Meghalaya	260	230(230)*	270	210
5	Mizoram	80	68(40)*	65	55
6	Nagaland	90	86(60)*	90	75
7	Tripura	145	115(100)*	145	110
	Region	1601	1468(1298)*	1701	1501

***The Sub-Committee noted.***

#### **D. 9 Generation Planning (ongoing and planned outages)**

NEEPCO informed that Kopili U#2 is now under shut down and is expected by 11.05.09. Unit#1 is proposed to avail shut down for overhauling from 14.05.09 for 20 days subject to Unit#2 is on bar. Unit # 3 remained out of bar since 26.04.09 due to damage in runner disc and they sent to M/s BHEL works at Bhopal for inspection and repair. The duration required for its restoration is not predicted. However, with the availability of three (3) units No. 1,2 & 4), generation from the station would be in the range of 210-225MW from June onwards.

***The sub-Committee noted the above.***

#### **D. 10 Outage Planning Transmission elements**

The sub-Committee discussed programme for transmission line outages for May, 2009/June, 2009. as proposed by PGCIL/Constituents which were finalized as per Annexure – D.10

#### **D. 11 Review of Grid performance for May, 2009**

The data relating to regional generation, inter-regional energy exchange, average frequency during the month of May, 2009 in relation to April '09 data is as below:

	<b><u>During May '09</u></b>	<b><u>During April '09</u></b>
1. The Total Generation(gross) in NER:	519.156 MU	478.480 MU
2. Total Central Sector Gen (gross) in NER:	295.841 MU	246.717 MU
3. Inter-regional energy exchange:		
(a) NER – ER :	1.560 MU	0.000 MU
(b) ER – NER :	103.480 MU	148.410 MU
(c) Net import :	101.92 MU	148.410 MU
4. Average frequency :	49.47 Hz	49.61 Hz

**The Sub-Committee noted the above.**

#### **D. 12 Major grid disturbances in the previous month (April, 2009)**

NERLDC has reported that on 23.04.09 at 22:15 Hrs., major parts of the states of Assam, Nagaland, Manipur, Mizoram and Tripura got isolated following trippings of the 220kV Balipara-Samaguri line on E/F, 220kV Misa-Samaguri D/C on E/F, 315 MVA, 400/220kV ICT at Misa on directional E/F and finally, 220kV Mariani-Samaguri line on O/C. This resulted in partial collapse of the above states due to load-generation mismatch in 132 kV pockets in NER.

There was generation loss around 505MW followed by load cut 436MW approximately. The system progressively restored from 23:11Hrs.

The Detail of grid disturbance report received from NERLDC is enclosed at Annexure D.12.

GM, NERLDC suggested that the report of the grid disturbance should be prepared in chronological order ( based on SOE data ) for analysis and fruitful discussion. Member Secretary requested constituents that for analysis all necessary tripping details may be furnished to NERLDC immediately upon disturbance/tripping of power system element of both state & CTUs for

preparation of report by the NERLDC and discussion by the Sub-Committee. On the basis of the report/data compiled as above, the grid disturbance on 23.04.09 would be discussed in the next OCC meeting.

**D. 13 Any other item**

A) POWERGRID representatives informed that premature failure of insulators on Ranganadi-Balipara line was effecting reliable operation of the line. Considering the importance of the line a massive replacement of identified defective insulators in 400KV D/C Ranganadi-Balipara line (Ckt-II) has been taken up by POWERGRID to ensure reliability of this line during High Hydro period. Similar insulator replacement will also be taken up for Ckt-I on completion of PID.

Since presently only one of the two circuits of this line is in service during off peak hours to control over-voltages, POWERGRID wanted to avail this opportunity shut down during off peak hours to continue with the insulator replacement without affecting the system. Since the insulator replacement work is being taken up to ensure reliable operation of the line during the high hydro period in the greater interest of the system, POWERGRID requested that so long the requirement of both the circuits are not necessitated by the system conditions, the Circuit -II of Ranganadi-Balipara line might require to remain out in view of high voltage condition in the grid. The Sub-Committee discussed and agreed that during such outage period the opportunity shall be availed for replacement of insulator. The line would require to be remained out as per instructions of NERLDC in view of prevailing high voltage condition during off-peak/lean hydro conditions.

***The Sub-Committee noted as above .***

B) GM, NERLDC stated that the Black Start Procedure for NER system has already been discussed and finalized in the previous OCC meetings. The final document is ready for circulation and will be uploaded to website.

The Sub-Committee agreed to the above.

C) NERLDC pointed out that NEEPCO in many occasions reluctant to operate 50MVAR line reactor as bus reactor at Ranganadi end in spite of instructions issued for controlling high voltages particularly during off-peak hours. NEEPCO representative stated that such operation was agreed to

earlier in case of 2/3 times in a month, but of late it has become a normal practice for the power station to carry out the instruction from NERLDC on daily basis which has become a tedious operation from their side and stresses on the breaker.

GM, NERLDC opined that the operation was necessitated at the extreme emergent condition of controlling high voltages in the grid when no other option left for the operators even after opening of one ckt. of major 400kV transmission lines and suggested that NEEPCO should extend necessary cooperation in the context of smooth grid operation and the line reactor to bus reactor operation in OFF line mode only.

The Sub-committee requested NEEPCO to implement the instruction of NERLDC given in the real time as the same are required to be issued keeping in view the secured operation of the interconnected NER grid.

D) MeSEB requested NERLDC to consider reclosing the CB at Khlierhriat end which was kept open in view of planned shut down of Khandong HPS of NEEPCO during March,09. Since, the shut down is now over and in order to have optimal drawl of schedule power through 132 kV NEHU-Khlieriat and Neigrims-Khliehriat lines.

NERLDC agreed to re-close of the subject CB in coordination with MeSEB under favourable grid operations.

E) Upon query by NEEPCO regarding making availability of DCd at every power station, PGCIL intimated that the DCDs have been received and DCD for Ranganadi HPS have been sent to the site and all DCDs are being arranged by PGCIL for sending to the various sites.

#### **D. 14 Date and Venue of next OCC**

It is proposed to hold the 39th OCC meeting of NERPC on 10th June, 2009 (Wednesday) at NERPC office at Shillong.

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**Annexure-I****List of Participants in the 38<sup>th</sup> OCC meeting held on 08/05/2009**

Venue : NERPC Secretariat, Shillong

Sl. No	Name & Designation	Organization	Contact No. /e-mail ID
1	No Representative	Arunachal Pradesh	09436050735
2	Sh. A.K.Saikia, Sr. Manager	SLDC, AEGCL (Assam)	9864116176
3	No Representatives	P&E, Manipur	
4	Sh. F.E. Kharshiing, E.E	SLDC, MeSEB (Meghalaya)	9863066960
5	Sh. T. Gideon, AEE	SLDC, (Meghalaya)	9863063375
6	No Representatives	P&E, Mizoram	
7	No Representatives	E.E, P&E, Nagaland	9436004928
8	Sh. Pintu Nath, Manager	Tripura	9436456771
9	Sh. Nilan Jou Reang, Manager	Tripura	9436470065
10	Sh. L.K.Kanungo, GM	NERLDC	9436302725
11	Sh. R. Sutradhar, Manager	NERLDC	9436302714
12	Sh. N.R.Paul, CM	NERLDC	9436302723
13	Sh. A.Patir, AGM	NERTS	
14	Sh. Utpal Sharma, CM	NERTS	9436302980
15	Sh. P.K.Singha, GM	NEEPCO	9435339677
16	Sh. R.C. Sharma GM	NEEPCO	9436163983
17	Sh. Bhaskar Goswami, Sr. Mgr	NEEPCO	9436163983
18	Sh.Manjit Singh, Member Secretary	NERPC	0364-2520038
19	Sh.B. Sarkhel, SE (O)	NERPC	0364-2520043
20	Sh. B. Lyngkhoi, AS	NERPC	9436163419

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**Shutdown Programme for the month of April as approved in the 37<sup>th</sup> OCCM held on 08.04. 09 at NERPC Conference Hall.**

<b>Sl. No</b>	<b>Name of T/L</b>	<b>S/D Date</b>	<b>S/D Time</b>	<b>Purpose</b>	<b>Areas/Feeder affected</b>	<b>Agency</b>
1.	132 KV Badarpur –Kumarghat	Defer to next OCC	08.00 hrs to 16:00 hrs	AMP	Badarpur –Kumarghat	PGCIL
2.	132 kV Dimapur-Mariani	11.04.09 to 12.04.09	08.00 hrs to 16:00 hrs	AMP	Dimapur-Mariani	ASEB

**\$ Note: All the associates bays maintenance would be done during the shutdown of respective Transmission lines.**

<b>Sl. No</b>	<b>NAME OF SUB-STATION/BAYS/ICT/ REACTOR</b>	<b>S/D Date</b>	<b>S/D Time</b>	<b>Purpose</b>	<b>Areas/Feeder affected</b>	<b>Agency</b>
1.	132 KV Main Bus at Dimapur	11. 04. 2009	08.00 hrs to 16:00 hrs	Execution of works related to Missing link	Doyang- Dimapur, Dimapur – Imphal Dimapur-Mariani Dimapur-Dimapur & Transformer bay	PGCIL
2.*	132 KV Main Bus at Aizawl	18. 04.2009	10.00 hrs to 12:00 hrs		Aizawl-Jiribam line Aizawl-Kumarghat line & Aizawl-Zemabawk line	PGCIL
3.	132 KV Double main Bus at Khandong PH of NEEPCO	22. 04.2009	08.00 hrs to 16:00 hrs		Khandong –Khliehriat I & II, Khandong – Kopili, Khandong - Halflong	PGCIL

**\* NERLDC will take up the matter with Dept. of Power, Mizoram for concurrence before taking up the shutdown.**