



सत्यमेव जयते

भारत सरकार Government of India

विद्युत मंत्रालय Ministry of Power

उत्तर पूर्वी क्षेत्रीय विद्युत समिति

North Eastern Regional Power Committee

मेघालय स्टेट हाउसिंग फिनांस को-ऑपरेटिव सोसायटी लि. बिल्डिंग

Meghalaya State Housing Finance Co-Operative Society Ltd. Building

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No. NERPC/AS/OCC/2009/ 3775-805

Date: 10th November, 2009

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, Dongtich-Lower Nongrah, Lapalang, Shillong - 793 006
10. ED (O&M), NERTS, PGCIL, Dongtich-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 44th OCC Meeting held on 5th November, 2009 at NERPC, Shillong.

The Minutes of the 44th OCC Meeting of NERPC held on 05.11.2009 at NERPC Conference Hall, Shillong is enclosed for favour of kind information and necessary action please.

These minutes are also available on the website of NERPC www.nerpc.nic.in

Encl: As above

भवदीय / Yours faithfully,


(A. K. Jain) 10/11/2009
Member Secretary I/C

Copy to:

1. SA to Member(GO&D), CEA, Sewa Bhawan, R.K. Puram, New Delhi - 110066
2. Chief Engineer, AEGCL, Bijuli Bhawan, Guwahati - 781001
3. Chief Engineer, APGCL, Bijuli Bhawan, Guwahati - 781001
4. MD, CA DISCOM, Bijuli Bhawan, Guwahati - 781001
5. MD, UA DISCOM, Bijuli Bhawan, Guwahati - 781001
6. MD, LA DISCOM, Bijuli Bhawan, 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 44th

OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

Date: 05/11/2009 (Thursday)

Time: 10:30 hrs

Venue: “NERPC Conference Hall”, Shillong.

The List of Participants in the 44th OCC Meeting is attached at **Annexure - I**

Shri A.K.Jain, Member Secretary I/C welcomed the participants to the 44th OCC meeting and expressed sincere thanks to all the participants for attending the meeting in spite of short notice. He welcomed Shri P.D.Siwal who has joined NERPC as new Superintending Engineer recently and expressed that his experienced in different divisions in the CEA would benefit this region. He then briefed about the performance of the grid during the month of October, 2009. The gist of grid performance in September, 2009 compared to that in August, 2009 is given below:

SN	Parameter	October, 2009	Sept. 2009
FREQUENCY BEHAVIOUR			
1	Average Frequency	49.66 Hz	49.59 Hz
2	Minimum Frequency	48.17 Hz on 3 rd @ 0528 hrs	48.65 Hz
3	Maximum Frequency	50.71 Hz on 28 th @ 0237 hrs	50.49 Hz
4	49.2Hz < f < 50.3 Hz	For 94.67 % of time	82.87 %
5	f < 49.2 Hz	For 5.03 % of time	16.62 %
6	f > 50.3 Hz	For 0.31 % of time	0.51 %
DEMAND & ENERGY SCENARIO			
1	Regional Peak Demand	1609 MW - a decrease of 3.76 %	1672 MW
2	Energy Requirement	829.82 MU	858.37 MU
3	Regional Energy Availability	739.00 MU - a decrease of 1.29 %	748.63 MU
4	Rise in Demand met as compared to September 2009	Highest @ 8.19 % in Assam	
		Then @ 7.41 % in Mizoram	
		Then @ 5.43 % in Manipur	
5	Drop in Demand met as compared to September 2009	Deepest @ 8.67 % in Tripura	
		Then @ 7.69 % in Ar. Pradesh	
		Then @ 5.38 % in Meghalaya	
		Then @ 4.30 % in Nagaland	

VOLTAGE BEHAVIOUR			
1	Over voltage conditions at 400 KV S/S	At Bongaigoan: 425 KV	
		At Balipara: 429 KV	
		At Misa: 429 KV	
2	Over voltage conditions at 132 KV S/Ss	Nil	
3	Minimum voltage	119 KV at 132 KV S/S in Aizawl	
REGIONAL GENERATION & INTER - REGIONAL EXCHANGES (in MU)			
1	Total Generation in NER (Gross)	834.531	832.673
2	Total Central Sector Generation in NER (Gross)	541.080	518.520
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	83.81	82.91
	(b) ER - NER	47.50	44.95
	(c) Net Input	- 36.31	- 37.96

Thereafter, he requested Shri B. Lyngkhoi, Assistant Secretary, NERPC to take up the agenda items for discussion.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 41st MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

Assistant Secretary, NERPC stated that the minutes of 43rd meeting of Operation Sub-committee held on 12th October, 2009 were circulated vide letter No. NERPC/AS/OCC/2009/3520-54 dated 24th September, 2009.

As no comment was received from any of the constituents, the minutes of the 43rd OCC Meeting were confirmed.

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

B. Operational Performance & Grid Discipline during October, 2009.

The sub-committee noted the grid performance during the month of October, 2009 as follows:-

As per the data made available by NERLDC, the following parameters are given below:

- i) **Average frequency** during October, 2009 was 49.66 Hz compared to 49.59 Hz for the previous month.
- ii) **Minimum frequency** in October, 2009 was 48.17 Hz (03.10.09 at 05:28 hrs) compared to 48.65 Hz for the previous month.
- iii) **Maximum frequency** was 50.71 Hz (28.10.09 at 02:37 hrs) as against 50.49 Hz in the previous month.
- iv) **System frequency** remained within permissible range of 49.2 Hz to 50.3 Hz for 94.67 % of the time, below 49.2 Hz for 5.03 % and above 50.3 Hz for 0.31 % of time as against the corresponding values of 82.87 %, 16.62% and 0.51 % in the previous month i.e. September, 2009.
- v) **Regional peak** demand in October, 2009 was 1609 MW as compared to 1672 MW in September, 2009 a decrease of 3.76 % over the previous month.
- vi) **Energy requirement** was 829.82 MUs in October, 2009 compared to 858.37 MUs in the previous month.
- vii) **Regional energy availability** in October, 2009 was 739.00 MUs compared to 748.63 MUs in the previous month- a decrease of 1.29 % over the previous month.
- viii) **Rise in demand met** was highest (8.19 %) in Assam, followed by Mizoram (7.41 %) and Manipur (5.43 %) over the previous month.
- ix) **Drop in demand met** was recorded in Tripura (8.67 %) followed by Ar. Pradesh (7.69 %), Meghalaya (5.38 %) and Nagaland (4.30 %) over the previous month viz. September, 2009.
- x) **Over Voltages** at 400 kV substations were observed at Bongaigaon, Balipara and Misa where maximum voltages observed were 425 kV, 429 KV and 429 KV respectively.
- xi) **No over Voltages** at 132kV S/S were observed. Aizawl 132 kV S/S experienced low voltage of 119 kV.
- xii) **Regional Generation & Inter-regional Exchanges:** The following table gives these data for the month of October, 2009 as well as for the month of September, 2009:

SN	Parameter	October 2009	September 2009
REGIONAL GENERATION & INTER - REGIONAL EXCHANGES (in MU)			
1	Total Generation in NER (Gross)	834.531	832.673
2	Total Central Sector Generation in NER (Gross)	541.080	518.520
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	83.81	82.91
	(b) ER - NER	47.50	44.95
	(c) Net Input	- 36.31	- 37.96

Thereafter, NERLDC presented the grid performance during October, 2009, the details of which are enclosed at **Annexure-II**.

The Sub-committee noted as above.

FOLLOW UP ACTION

C. 1. Installation of Under Frequency Load-shedding Relays (UFRs) in NER

During the 43rd OCCM, the sub-Committee had requested NERPC to write to all the Head of Power Departments for finalizing the list of feeders for installation of UFRs. Accordingly, the NERPC (vide letter No: NERPC/AS/OCC/2009/2678 – 90 dated 23.10.2009) had written to all the Head of Power Departments (at Annexure – C.1). Assistant Secretary informed that only Nagaland had furnished the list of feeders and the same is enclosed at Annexure - C.1. He requested all the constituents to furnish the list of feeders at the earliest.

Assam and Meghalaya representatives informed that the lists of feeders for installation of UFRs had been identified but yet to be finalized and the same would be intimated soon after finalization.

The sub-Committee requested NERPC to write once again to all the Head of Power Departments so this issue can be finalized at the earliest.

C. 2. Non-functioning of SCADA in Arunachal Pradesh state

During the 42nd OCC meeting Ar. Pradesh had intimated that procurement of the faulty modem and handing it over to BSNL, Shillong would be completed in two months' time. The Sub-committee wanted to know the current status. However, since no representative from Ar. Pradesh attending the meeting, no update was available on this issue.

The sub-Committee noted as above.

C. 3 Energy metering issues in NER

During the 43rd OCC Meeting, PGCIL informed that the balance of 8 meters at Loktak would be completed by the end of October, 2009.

Assistant Secretary enquired from PGCIL about the progress in this regard.

PGCIL informed that all the 8 nos. of meters scheduled to be installed at Loktak were not readily available in stock and stated that new meters were expected to be received soon by them. After receiving, testing has to be carried out after which all the remaining 8 meters will be installed. The PGCIL expects installation to be completed by December, 2009/January, 2010.

NHPC representative from Loktak informed that some of the meters installed at present are not in working condition and requested PGCIL to complete the installation at the earliest. He further informed that Loktak HEP required two additional energy meters for installation at the auxiliary transformers. He requested PGCIL to arrange the additional 2 meters for them.

PGCIL clarified that new additional 2 meters may not be possible as the meters are purchased based on the recommendation of RPC. However, he informed that if any de-installed meters are available (after replacement of old meters by new meters) the same can be handed over to them.

Meghalaya stated that the old meters which were replaced by new meters should be returned to the constituents as the costs of meters were borne by the constituents. PGCIL informed that the old meters can be returned to the constituents as per their share for which the PGCIL will write to the constituents.

The sub-Committee noted as above.

C. 4 Single Phase Auto-reclosure of Transmission lines.

During the 43rd OCC meeting, Member Secretary had requested PGCIL to furnish the list of lines whose both ends are compatible for installation of auto-reclosure mechanism, to which the PGCIL had agreed. Assistant Secretary enquired from PGCIL about the status of the list.

PGCIL has furnished the list during the meeting and the same is enclosed at **Annexure C.4**

NEEPCO informed that the item in respect of Sl. No 3 & 4 under item "C" i.e. Agartala – R.C.Nagar I&II and Dimapur – Doyang I&II some fine tuning has to be done by the PGCIL for operationalization of the scheme, to which the PGCIL agreed.

The sub-Committee noted as above.

C. 5 Special Protection Schemes (SPS) for Vulnerable 132 kV Pockets in NER.

During the 43rd OCC meeting, Meghalaya representatives informed that wiring of 132 KV NEHU – Mawlai line from NEHU with tripping of 132 KV NEHU – Mawlai line would be completed by the end of October, 2009.

Assistant Secretary enquired from MeSEB about the current status.

The representative informed that wiring is still underway.

Regarding the status of the 132 KV Manipur – Ningthoukhong line to be kept opened for SPS operation, the consent of Dept. of Manipur is still awaited. Since no representative from Manipur the sub-committee requested the NERPC to write again to Dept. of Manipur to give their consent at the earliest.

The Sub-committee noted as above.

C. 6 Long outage of CB at Kopili end of 220 KV Kopili – Misa Ckt – II.

During the 43rd OCC meeting, the NEEPCO representatives informed that the service engineers from Crompton Greaves Ltd. were already at the site and the CB would be commissioned soon.

NEEPCO informed that the work has already been completed.

The sub-Committee noted as above.

C. 87 Preparation for “mock exercise” for disaster management.

During the 43rd OCC meeting, the Sub-committee requested NERPC to write to the Head of Power Departments for the States of Manipur, Mizoram, Nagaland & Arunachal Pradesh to furnish the details of Nodal Officers i.e. names, designation, contact details etc. to NERLDC with a copy to NERPC who in turn is to forward the information to CEA.

NERPC, vide letter No: NERPC/AS/OCC/2009/2023 – 53 dated 23rd October, 2009, wrote to all the above States (copy at Annexure – C.7) and information is still awaited.

NERLDC informed that the names of the nodal officers have been received from all the constituents except Arunachal Pradesh and Manipur. They informed that they will take up the matter with them.

Further they informed that NERLDC has arranged a seminar on Disaster Management on 16.10.2009. They also informed that they plan to undertake a mock drill during this lean season for which suitable date will be intimated to them. He requested both NEEPCO & NHPC to intimate suitable dates to witness the performance of black start procedure by isolating all the lines.

NEEPCO requested NERLDC to give a written request so that dates can be confirmed to them.

NHPC informed that they successfully carried out mock drill last year with the help of Fire Service Dept. of Manipur. He further informed that the 500 KVA DG set located in their station is working properly and schedule of mock exercise for future shall be intimated to them in advance.

NEEPCO informed that the letter sent by NERPC to them has not been received.

NERPC stated that the same would be sent to them again.

The sub-Committee noted as above.

D. NEW ITEMS

D. 1 Shutdown of Bus – A at Kopili Switchyard – NERTS, PGCIL

Assistant Secretary informed that PGCIL have intimated, vide fax letter dated 26.10.2009, that under “missing link project” in the NER, erection of 160 MVA, 220/132 KV ICT at Kopili sub-station and associated bays is in progress. The work involves erection of 5 beams and dismantling & re-erection of 3 nos. 220 kV Bus PTs in the extended bay area. This requires shutdown of Bus – A.

Further, after dismantling of the PTs at Bus – A and shifting these PTs to the extended bus, the Bus – A PTs shall not be available for approximately 2 weeks until energization of the extended portion of Bus – A.

The NERLDC gave a presentation also on shutdown of Bus – A and shifting the machines to Bus – B and explained that there would not be any adverse impact on account of this shifting from the operational point of view. The PGCIL stated that this work will take about two weeks to complete.

NHPC in the meantime informed that leakage of Loktak unit# 2 from underwater parts is increasing day by day. He also circulated the photographs of the leakage areas (photos enclosed at Annexure – D.1 (ii). In spite of their all efforts, the leakage could not be coped up. He, therefore, requested the Sub-committee to grant the shutdown of Unit# 2 as soon as possible. He also stated that the service engineers have to come from Russia and processing of Visa, Inner line permit to the State of Manipur is a difficult task and time consuming. Further, he stated that the contract agreement for availing the services of Russian engineers would expire by May/June, 2010.

Meghalaya stated to consider the approaching scenario of lean season, Annual exams for school going children that are held during November/December, and the festive period of X-Mas and New Year, for which NHPC was requested to consider postponing the shutdown to January, 2010.

After detailed deliberations the Sub-committee has decided that the POWERGRID shall undertake shutdown of Bus – A at Kopili “switchyard for augmentation of ICT under missing link project” w.e.f 6.11.2009 to 20.11.2009. NERTS/NERLDC shall intimate Loktak HEP of NHPC, as soon as the PGCIL complete the above work so that NHPC can immediately undertake shutdown of Loktak Unit #2 from the next day for a period of 3 (three) months.

D. 2 Non-operation of protection scheme/CB in Manipur system - NERTS

NERPC informed that PGCIL vide fax letter dated 26.10.2009, have intimated that on most of the occasions any fault in the Manipur system the protection scheme/circuit breakers in their system do not operate and the faults are cleared at POWERGRID station.

PGCIL cited an example of 25.10.09 when a fault in the Loktak – Ningthoukhong line (Manipur system) had to be cleared at Imphal SS of PGCIL which otherwise should have been cleared by Imphal SS of Manipur. Due to this, the Imphal – Imphal line opened. The power started flowing towards Jiribam through Loktak – Jiribam and the line tripped on overloading at Loktak end. The entire generation of Loktak went out due to tripping of its machine. The Dimapur – Imphal line of PGCIL was under planned shutdown for shifting of two nos. of towers at loc. 374 & 375 affected by severe landslide.

The entire state of Manipur was under darkness for around 45 minutes. This could have been probably avoided if the fault in Loktak – Ningthoukhong was cleared in the Manipur system.

Since no representative from Manipur, the matter could not be deliberated further.

The Sub-committee requested NERPC to call for Protection Committee meeting to revisit the protection philosophy being adopted in the region for proper grid operation.

D. 3 State-wise anticipated peak demand/requirement, shortage for November, December, 2009 and January, 2010.

In respect of above, the sub-Committee reviewed the anticipated peak demand/energy requirement and the sub-Committee finalized the same for the month of October, November and December 2009 as given below.

		<u>November, 2009</u>		<u>December, 2009</u>		<u>January, 2010</u>	
S.No.	State	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)
1	Arunachal Pradesh	85	75	85	75	80	75
2	Assam	850	780	840	760	850	730
3	Manipur	100	90	100	90	95	80
4	Meghalaya	270	250	290	260	270	220
5	Mizoram	65	60	70	65	70	50
6	Nagaland	95	90	95	90	90	75
7	Tripura	160	140	145	130	140	110
	Region	1625	1485	1625	1470	1585	1330

The sub-Committee noted as above.

D. 4 Generation Outage Planning (ongoing and planned outages)

NEEPCO informed that unit no.2 of Kathalguri GBP would be taken under shutdown from 27.11.0009 to 28.12.2009 for major overhauling of Gas Turbine & Generator. No other proposal for planned outage for generating units was envisaged for November – December, 2009.

The sub-Committee noted as above.

D. 5 Outage Planning of Transmission elements

The Sub-committee discussed the programme of outages for transmission lines as proposed by PGCIL for November - December, 2009. The same is enclosed at **Annexure D. 5.**

The sub-Committee approved the programme.

D. 6 Environmental issue and operation & maintenance of KHEP thereof - NEEPCO

NEEPCO informed through their letter 21.10.2009 that due to acidic nature of reservoirs water at Kopili HEP damages to the under water parts make the units of the plant extremely difficult to run in a sustained manner. Besides cooler tubes, failures of cooling water header lines are a regular phenomenon.

Further, procurement of the damaged under water parts like pivot ring, top cover, guide vanes etc. and replacement thereof is a very difficult task and takes a considerable time to procure/manufacture.

Under these circumstances, until and unless the generation of acidic water is stopped, it is not advisable to run the units considering the risk of untoward mishap and they might be forced to declare closure of Kopili HEP.

Assistant Secretary informed that this issue is very serious and has to be resolved at the earliest. He, however, informed that this matter was discussed during the 42nd OCC meeting and the Sub-committee referred this item to be discussed in the TCC/RPC meeting of NERPC.

NEEPCO informed that they would be organizing a seminar related to the above problem on 18.11.2009 at NEEPCO Conference Hall, Shillong and senior Officers from various organizations are likely to attend this seminar. He requested all the constituent members to attend the seminar and share their experiences.

The sub-Committee noted as above.

D. 7 Estimated Transmission Availability Certificate (TAC) for the month of October, 2009.

The estimated Transmission System Availability for the month of October, 2009 furnished by PGCIL was intimated as **99.6013%** as per details at **Annexure D. 5**. The constituents were requested to examine the outage details indicated by PGCIL before 20.11.2009 so as to ensure issue of certification by NERPC before the stipulated date i.e. 30.11.2009.

The sub-Committee noted as above.

D. 8 Major grid disturbances in the previous month (October , 2009)

NERLDC informed that there was no major grid disturbance during the month of October, 2009.

The Sub-committee noted as above.

D. 9 Any other Items

Member Secretary I/C, NERPC requested the constituents to expedite furnishing the “electricity generation target for the year 2010 – 11” and related data required by the CEA. A copy of CEA letter No. CEA/OPM/PPA/2/1/2009 dated 23.09.2009 is enclosed (2 pages).

D. 9 Date and Venue of next OCC

It is proposed to hold the 45th OCC meeting of NERPC on 11th December, 2009 (Friday) at Agartala. The exact venue will be intimated in due course.

The meeting ended with thanks to the Chair.

Annexure-I**List of Participants in the 44th OCC meeting held on 05/11/2009**

Venue : NERPC Conference Hall, Shillong

Sl. No	Name & Designation	Organization	Contact No. /e-mail ID
1	No Representative	Arunachal Pradesh	
2.	Sh. A.K.Saikia, Sr. Manager, SLDC	AEGCL (Assam)	09864116176
3.	No Representative	Manipur	
4.	Sh. T. Passah, SE, SLDC,	Meghalaya	09463100655
5.	Sh. E.Garod, AEE, SLDC,	Meghalaya	09436486776
6.	No Representative	P&E, Mizoram	
7.	No Representative	P&E, Nagaland	09436004928
8.	No Representative	Tripura	
9.	Sh. T.S.Singh, D.G.M	NERLDC	09436302717
10.	Sh. A. Mallick, CM	NERLDC	09436302720
11.	Sh. Anupam Kumar, AE	NERLDC	09436335379
12.	Sh. A. Patir, AGM (O&M)	NERTS	09436302529
13.	Sh. Bhaskar Goswami, Sr. Mgr	NEEPCO	09436163861
14.	Sh. G.K.Gogoi, Manager	NEEPCO	09435339748
15.	Sh.A.K.Jain, MS I/C	NERPC	0364-2520038
16.	Sh. P.D. Siwal, SE (Coml	NERPC	0364-2520043
18.	Sh.B. Lyngkhoi, AS	NERPC	09436163419
19.	Sh. Satbir Singh, EE	NERPC	
20.	Sh. S.M.Aimol, AEE	NERPC	09863311203
21.	Sh. D.N.Bauri, AEE	NERPC	09863317236

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Annexure – D.5

The Shutdown Programme for the month of November, 2009 as approved in the 44th OCC Meeting held at NERPC, Shillong on the 05.11.2009 are as follows:

Sl. No	Name of T/L	S/D Date	S/D Time	Purpose	Areas/Feeder affected	Agency
1.	132 KV D/C Agartala – Agartala	26.11.2009 & 27.11.2009	08.00 hrs to 16:00 hrs	AMP	D/C Agartala – Agartala	PGCIL
2.	132 KV Halfong – Jiribam	10.11.2009			Halfong – Jiribam	PGCIL
3.	132 KV Jiribam – Aizawl	17.11.2009 & 18.11.2009			Jiribam – Aizawl	PGCIL
4.	132 KV Khliehriat – Badarpur	19.11.2009			Khliehriat – Badarpur	PGCIL
5*.	132 KV Khliehriat - Khliehriat	16.11.2009			Khliehriat - Khliehriat	PGCIL
6.	220 KV Misa – Mariani	12.11.2009			Misa – Mariani	PGCIL
7.	220 KV Misa – Dimapur	07.12.2009	20 days continuous	Insulator replacement	Misa – Dimapur	PGCIL
8.	400 KV Ranganadi – Balipara	07.12.2009	2 months continuous	Insulator replacement	Ranganadi – Balipara	PGCIL
9.	132 KV Gohpur – Itanagar	23.11.2009	08.00 hrs to 16:00 hrs	AMP	Gohpur – Itanagar	PGCIL
10*	132 KV R.C.Nagar – Kumarghat	21.11.2009			R.C.Nagar – Kumarghat	PGCIL

Note: * 132 kV Khliehriat – Panchgram should be in closed condition.

Sl. No	NAME OF SUB-STATION/BAYS/ICT/ REACTOR	S/D Date	S/D Time	Purpose	Areas/Feeder affected	Agency
1.	315 MVA ICT at Misa	13.11.2009 & 14.11.2009	09.00 hrs to 16:00 hrs	AMP	315 MVA ICT & Tertiary Reactors	PGCIL
2.	132 kV main bus at Nirjuli	11.11.2009	08.00 hrs to 16:00 hrs	AMP		PGCIL
3.	132 kV Purbakanchabari bay at Kumarghat	08.11.2009	08.00 hrs to 16:00 hrs	CT replacement		PGCIL
4.	100 MVA autotransformer at Sarusajai	21.11.09 To 27.11.09	08.00 hrs to 16:00 hrs	AMP		AEGCL

Note: Sl No. 2 is subjected to consent of Ar, Pradesh & Sl. No. 3 above is subjected to consent of TSECL.