



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/Committee/2010/ 2458-529

Date: 24th August, 2010

To,

1. Hon'ble Chief Minister & Minister of Power, Govt. of Mizoram, Aizawl - 796 001
2. Hon'ble Minister of Power, Govt. of Arunachal Pradesh, Itanagar - 791 111
3. Hon'ble Minister of Power, Govt. of Assam, Guwahati - 781 006
4. Hon'ble Minister of Power, Govt. of Nagaland, Kohima - 797 001
5. Hon'ble Minister of Power, Govt. of Manipur, Imphal - 795 001
6. Hon'ble Minister of Power, Govt. of Tripura, Agartala - 799 001
7. Member (GO&D), CEA, Sewa Bhavan, R.K. Puram, New Delhi - 110 066
8. Secretary (Power), Govt. of Arunachal Pradesh, Itanagar - 791 111
9. Secretary (Power), Govt. of Assam, Dispur, Guwahati - 781 006
10. Secretary (Power), Govt. of Manipur, Imphal - 795001
11. Secretary (Power), Govt. of Meghalaya, Shillong - 793001
12. Secretary (Power), Govt. of Mizoram, Aizawl - 796001
13. Secretary (Power), Govt. of Nagaland, Kohima - 797001
14. Secretary (Power), Govt. of Tripura, Agartala - 799001
15. Chairman, ASEB Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001
16. Chairman, MeSEB, Lumjingshai, S.R. Road, Shillong - 793 001
17. Chairman & Managing Director, TSECL, Agartala - 799001
18. Chairman & Managing Director, NEEPCO Ltd., Lower New Colony, Shillong - 793 003
19. Director (Finance), NHPC Ltd., NHPC Complex, Sector-33, Faridabad - 121 003
20. Director (Op.), POWERGRID, Saudamini, Plot No. 2, Sector-29, Gurgaon, Haryana - 122 001
21. Director (Operation), PTC, NBCC Tower, 15 Bhikaji Cama, Place, New Delhi - 110022
22. Director (Coml.), NTPC Ltd. NTPC Bhawan, Scope Complex, Institutional Area, Lodhi Road - 110 003
23. Executive Director (SO), NLDC, B/9, Qutub Institutional Area, Katwaria Sarai, New Delhi - 110016
24. CEO, NVVNL, Core 5, 3rd Floor, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi - 110 003
25. Managing Director, AEGCL, Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001
26. Managing Director, APGCL, Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001
27. Managing Director, DISCOM (CA), Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001
28. Managing Director, DLF, Guwahati - 781 001

Sub: Minutes of 9th TCC & 9th NER Power Committee Meetings held at Shillong.

Please find enclosed herewith the minutes of 9th TCC and 9th NERPC meetings held at "Pine Wood Hotel", Shillong, Meghalaya on the 11th & 12th August, 2010 respectively for your kind information and necessary action. The minutes are also available on the website of NERPC, www.nerpc.nic.in.

भवदीय / Yours faithfully,

(बी. के. जैन / B. K. Jain)

सदस्य सचिव / Member Secretary

Copy for kind information to:-

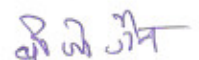
1. PS to Chairman, NERPC and Hon'ble Minister of Power, Govt. of Meghalaya, Shillong - 1
2. PS to TCC Chairman, NERPC & Director (Dist), Me. ECL, Lumjingshai, Shillong - 2

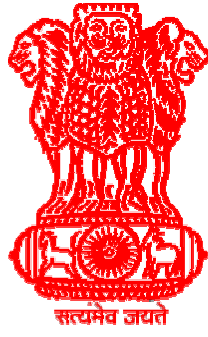
Copy to TCC Members:-

1. Director (Tech.), NEEPCO Ltd., Lower New Colony, Shillong-793 003.
2. Director (Tech.), TSECL, Agartala - 799001
3. Member (Tech.), ASEB, Bijulee Bhawan, Paltan Bazar, Guwahati -781001
4. Executive Director, NERTS, PGCIL, Lapalang, Shillong - 793006
5. Executive Director (Comml.), NEEPCO Ltd., Lower New Colony, Shillong-793003.
6. Executive Director (O&M), NEEPCO Ltd., Lower New Colony, Shillong-793003.
7. Executive Director (Comml.), NHPC, NHPC Office Complex, Faridabad-121003.
8. Executive Director (O&M), NHPC, NHPC Office Complex, Faridabad-121003.
9. GM, NERLDC, Lapalang, Shillong - 793006
10. AGM (O&M), NERTS, POWERGRID, Lapalang, Shillong – 793006
11. Chief Engineer (GM), CEA, 6th Floor, Sewa Bhawan, R.K.Puram New Delhi-110066.
12. CGM (LDC), SLDC Complex AEGCL, Kahelipara, Guwahati-781019.
13. Chief Engineer (E Zone), Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111.
14. Chief Engineer (W Zone), Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111.
15. Engineer-in-Chief, (P&E), P&E Dept., Govt. of Mizoram, Aizawl-796001.
16. Chief Engineer (Power), Dept. of Power, Govt. of Nagaland, Kohima-797001.
17. Chief Engineer, Loktak HE Project, NHPC, Komkeirap, Manipur-795124.
18. Chief Engineer (Power), Dept. of Power, Govt. of Manipur, Imphal – 795 001.
19. Chief Engineer, AEGCL, Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
20. Chief Engineer, APGCL, Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
21. Chief Engineer, DISCOM (CA), Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
22. Chief Engineer, DISCOM (UA), Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
23. Chief Engineer, DISCOM (LA), Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
24. SE (T&D), MeSEB, Lumjingshai, S.R. Road, Shillong-793001
25. Head of SLDC, MeSEB, Lumjingshai, S.R. Road, Shillong-793001
26. Head of SLDC, Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111
27. Head of SLDC, Dept. of Power, Govt. of Nagaland, Dimapur
28. Head of SLDC, Dept. of Power, Govt. of Manipur, Keishampat, Imphal-795001
29. Head of SLDC, P&E Dept., Govt. of Mizoram, Aizawl-796001
30. Head of SLDC, TSECL, Agartala – 799001

Special Invitee(s):

31. Chairperson, CEA, Sewa Bhawan, R.K.Puram, New Delhi – 110066
32. Member (Power Systems), CEA, Sewa Bhawan, R.K.Puram, New Delhi – 110066
33. Secretary, North Eastern Council, Nongrim Hills, Shillong – 793 003
34. Adviser (Power), Planning Commission, Yojana Bhawan, Rafi Marg, New Delhi-110001.
35. Member Secretary, ERPC, 14 – Golf Club Road, Tollygunge, Calcutta – 33
36. Member Secretary, NRPC, NRPC Complex, 18-A, S.JS.S. Marg, Katwaria Sarai, New Delhi – 16
37. Member Secretary, WRPC, MIDC Area, Marol, Andheri (E), Mumbai – 93
38. Member Secretary, SRPC, 29 – R.C. Cross Road, Bangalore – 560 009
39. C.E.O, OTPC, 1st Floor, Mahindra Towers, 2A, Bhikaji Cama Place, New Delhi – 110066
40. Director (Coml.), NTPC Ltd, NTPC Bhawan, Core -7, Scope Complex, 7 – Institutional Area, Lodi Road, New Delhi – 110 003
41. Director, NETC, 1st Floor, Corporation Tower, AMBIS Mall Complex, NH-8, Gurgoan – 122001.
42. CEO, NVVNL, Core 5, 3rd Floor, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi – 110 003





Recorded Notes of discussion

9th TCC Meeting
(11th August, 2010)

&

9th NERP Committee Meeting
(12th August, 2010)
(Under the aegis of MeECL, Meghalaya)

North Eastern Regional Power Committee

उत्तर पूर्वी क्षेत्रीय विद्युत समिति

Venue: Shillong

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Summary Record of Discussions

9th Technical Coordination Committee

&

9th North Eastern Regional Power Committee Meeting

The 9th TCC meeting was held on 11th August 2010 at “Hotel Pinewood”, Shillong, Meghalaya. The meeting was hosted by Meghalaya Electric Corporation Ltd. (Me. ECL).

The list of participants is enclosed at **Annexure - I.**

Proceedings of the 9th TCC meeting

The meeting started with the welcome address by Sh. K. Marbaniang, Chief Engineer (T&T), Me. ECL. He on behalf of Me. ECL welcomed all TCC members of NER Power Committee and addressed that Me. ECL was honored and encouraged by the opportunity provided to them by the NER Power Committee to host the 9th TCC & RPC meetings of NERPC at Shillong. He wished all the participants a pleasant stay at this beautiful city of NER which is also known as Scotland of the east. He briefed about the importance of strengthening the transmission lines & urgency to complete the ongoing power projects in the region as the region is facing acute shortage of power. He requested all the participants to participate in the discussion so that the meeting bears a fruitful outcome.

Thereafter, Shri C.D. Saio, TCC Chairman & Director (Distribution), Me. ECL gave welcome address.

Shri B.K.Jain, Member Secretary NERPC on behalf of NERPC welcomed all the TCC members and the participants to the 9th TCC meeting of NERPC. He thanked the officers of Me. ECL for making excellent arrangements for comfortable stay of the members and participants of the meeting.

Before taking up the agenda item, Member Secretary requested NERLDC to make a presentation on the performance of NER grid during the last one year. NERLDC in their presentation highlighted the performance of regional grid in

Minutes of 9th TCC & 9th NER Power Committee Meetings held on 11th & 12th August, 2010
regards to frequency profile, availability of power and demand in various states, performance of generating stations, reservoir levels, export/import of power to/from Eastern Region and need for special protection scheme for safe and secure operation of the grid and new CERC Regulations . Presentation by NERLDC is at **Annexure-II.**

Thereafter, agenda items were then taken up with the permission of Chairperson, TCC.

The TCC meeting was concluded with the vote of thanks by Sh. E. Slong, Addl. Chief Engineer (P&D), Me. ECL.

Proceedings of the

9th North Eastern Regional Power Committee Meeting

The 9th NERPC meeting was on 12th August 2010 at “Hotel Pinewood”, Shillong, Meghalaya. The meeting was hosted by Meghalaya Electric Corporation Ltd. (Me. ECL).

The list of participants is enclosed at **Annexure - III.**

The meeting commenced with the welcome address by Sh. A.M. Kyndiah, Chief Engineer, Me. ECL followed by lighting of lamp by Er. A.T. Mondal, Hon’ble Power Minister of Meghalaya & Chairman, NERPC, Shri Pradyut Bordoloi, Hon’ble Power Minister, Govt. of Assam, Shri Manik Dey, Hon’ble Power Minister, Govt. of Tripura, Shri. D.Y.Sema, Hon’ble Power Minister, Govt. of Nagaland, Shri Jarbom Gamlin, Hon’ble Power Minister, Govt. of Arunachal Pradesh, Shri Lal Thanzara, Hon’ble Parliament Secretary I/C Power, Govt. of Mizoram & Shri. B.K. Jain, Member Secretary, NERPC.

Er. A.T. Mondal, Hon’ble Power Minister, Govt. of Meghalaya & Chairman NERPC released the Annual Administrative Report of NERPC for the year 2009 – 2010.

The Hon’ble Power Ministers of Arunachal Pradesh, Assam, Nagaland, Tripura, Parliament Secretary I/c Power & Electricity, Mizoram and Chairman, NERPC addressed the meeting. The Hon’ble Power Minister, Manipur, could not attend the meeting due to some important engagement and his speech was taken as read.

Hon’ble Power Minister, Govt. of Arunachal Pradesh in his address stressed upon the need for timely completion of ongoing generation projects and associated transmission system as economic development of the region largely depends upon the power demand which is growing day by day. He further stated that the Central allocation of power for Arunachal Pradesh from projects executed by NEEPCO & NHPC is very less only 1.7%, in which Arunachal Pradesh has already requested Ministry of Power to relook into the matter. Due to this meager allocation of power the State is reluctant to sign the Power Purchase Agreement (PPA). NER States along with the rest of other States are implementing RGGVY scheme with a vision to achieve 100% electrification by 2011 & household electrification by 2012. He opined

Minutes of 9th TCC & 9th NER Power Committee Meetings held on 11th & 12th August, 2010
that completion of the scheme would require some more time and therefore felt that extension should be given to the State.

The full text of the speech of Hon'ble Power Minister of Arunachal Pradesh is enclosed at **Annexure – IV.**

Hon'ble Power Minister, Govt. of Assam in his address stressed for early completion of the ongoing projects in the region. He stated that enhancement of generation in the region is the top priority to curtail the power shortage and also creation of adequate transmission and distribution capacity has to go hand in hand to reach power to the nook and corner of the region. He stated that Assam has facilitated development of Bongaigoan 1000 MW project by NTPC and have handed over land, assets free of charge to NTPC so as to ensure cheaper cost of generation and quick implementation. He also felt that due to increase in gas prices the tariff may rise and this would affect the concern utilities and the consumers would suffer the most. He further raised concern about the numerous dams and big hydel projects being taken up in Arunachal Pradesh and stated that the region is lying under the seismic zone – V and Assam had experienced the biggest earthquakes of the last century.

Therefore, he stated that the need of the hour is to harmoniously blend all the “developmental” “strategic” and “environmental” issue to promote “sustainable inclusive and participate development”.

The full text of the speech of Hon'ble Power Minister of Assam is enclosed at **Annexure – V.**

Hon'ble Minister of Power, Govt. of Nagaland stressed that projects funded by MNRE, the benchmarking of cost for sanctioning of projects is not practicable. Although, the funding is 90:10, but in reality the funding by MNRE is less than 50%, which adversely affect the project implementation. Therefore MNRE must be impressed upon to consider sanction on the basis of the actual project cost and not by the existing MW benchmark. He further stated that Govt. of India funding projects like RGGVY, RAPDRP etc. relaxation should be considered in the poor region like North East. Even the 90:10 funding is not sufficient and felt that 100% funding should be considered for upliftment of the region.

The full text of the speech of Hon'ble Power Minister of Nagaland is enclosed at **Annexure – VI.**

Hon'ble Minister of Power Tripura, Shri Manik Dey in his address mentioned about the National objective of power for all by 2012 and hoped that meeting would give a boost to the endeavour for making power availability to every home and villages in the country.

He stressed on timely completion & commissioning of Pallatana GBPP, Bongaigoan TPS, Lower Subansiri & Kameng HEP to reduce the acute shortage of power in the region. He also stressed upon NEEPCO to expedite the Monarchak GBPP to start the project implementation work at the earliest. He further mentioned that limitation of Inter-State Transmission network is a major issue of concern faced in the region and felt that timely commissioning of 400 KV D/C Pallatana – Bongaigoan via Silchar is utmost important and requested NETC to expedite the same as per schedule. He also requested POWERGRID to complete the 2nd circuit of 132 KV Kopili – Khandong line at the earliest to remove the bottleneck in the 132 KV pocket. The major concern he stated is the enhancement of APM price of natural gas from Rs. 2112/1000scm to Rs. 4580/1000scm including 10% royalty charges to be effective from 01.06.2010 with addition of 12.5% VAT shall force a steep rise in per unit cost of power which he felt that the objective of providing power to the people of this region at an affordable cost shall get defeated.

The full text of the speech of Hon'ble Power Minister of Tripura is enclosed at

Annexure – VII.

Hon'ble Parliament Secretary I/c Power, Mizoram mentioned that Mizoram power demand has touched 100 MW but the Central share allocation is 65 MW against which the average power received is only 35 – 40 MW and this result in acute shortage of power and forced to load shedding. He felt that upward revision of share allocation to Mizoram should be given by Ministry of Power (MOP). He mentioned that MOP have taken in to account the 22.92 MW of Bairabi Thermal Plant as available firm power while deciding power allocation to Mizoram which is not true, as Bairabi is mostly out of operation due to high cost of furnace oil. He also requested POWERGRID to complete the 2nd circuit of 132 KV Kopli – Khandong line at the earliest.

The full text of speech of Hon'ble Parliament Secretary (P), Mizoram is enclosed at **Annexure – VIII.**

Hon'ble Power Minister, Govt. of Meghalaya & Chairman NERPC in his address mentioned about the importance of SLDCs and therefore up-gradation of SLDCs in States of Assam, Meghalaya & Tripura and full fledges SLDCs should be set up immediately in the remaining four States of NER as notified by CERC. He also mentioned that Sikkim being a constituent member of North Easter Council (NEC) and funds was earmarked for power development in Sikkim and therefore stressed that NER should also have share from these power projects being set up in Sikkim. He also briefed about the efforts being taken by Meghalaya in implementation of many upcoming power projects and among one of them is the revival of 1.5 MW Sonapani mini HEP which was commissioned in 1922 as a heritage project.

The full text of speech of Hon'ble Power Minister, Govt. of Meghalaya & Chairman NERPC is enclosed at **Annexure - IX.**

The texts of speech of Hon'ble Minister of Power, Govt. of Manipur, Shri Phungzathang Tonsing is endorsed at **Annexure - X.**

Thereafter, Member Secretary, NERPC to took up the agenda items for discussions with the permission of Chairperson.

Record Notes of Discussions
of the 9th TCC & 9th North Eastern Regional Power Committee
Meeting(s)

ITEM NO. 1 Confirmation of the minutes of 9th TCC and 9th NERPC meetings held on 11.01.2009 and 12.01.2010 at Imphal.

Deliberation of TCC

Member Secretary, NERPC stated that The minutes of the 9th TCC and 9th North Eastern Regional Power Committee (NER Power Committee) meetings held on 11.01.2010 & 12.01.2010 respectively at Imphal were circulated vide letter no. NERPC/AS/Committee/2010/5048-117 dated 21.01.2010.

Following observations on the above Minutes of the meetings have been received from Meghalaya:

1. Item no. 1.1.1

MeSEB's view expressed in the meeting was in line with the decision of earlier NERPC meeting which is "to explore for obtaining financial assistance from the Govt. of India in the form of grant/ funding so as to avoid high regional transmission tariff after commissioning of the proposed lines."

2. Item no. 7.1

MeSEB's view expressed in the meeting was that "OTPC/ NETC may take up the matter directly with the Govt. of Meghalaya so as to enable to expedite the matter."

With the above amendments the TCC confirmed the minutes of the 8th TCC & 8th NERPC meetings since no other comments were received.

Deliberation of the RPC

The RPC confirmed the minutes.

ITEM NO. 1.1	Follow-up actions on discussion of 8th NER Power committee meetings.
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Status on follow up of the decisions of the 8th NERPC meeting is as discussed below:

ITEM NO. 1.1.1	Special Protection Scheme for North Eastern Region:
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During the 8th RPC meeting, NERLDC requested Manipur to keep Imphal-Ningthoukhong line open during lean hydro period (i.e. January to April); to operationalize the SPS. Chief Engineer, Dept. of Power, Govt. of Manipur agreed to the same if 60-65 MW flow is allowed over 132 KV Imphal (PG)-Imphal (Manipur) line during evening peak hours.

Subsequently, in the 48th OCC meeting of NERPC held on 12.03.2010 at Shillong, AGM, NERTS, POWERGRID informed that they had already replaced the 600:1 CT ratio at 132 KV Imphal (PG) – Imphal (Manipur) on 17.02.2010 and the current power flow in this line was around 70 – 75 MW.

Chief Engineer, Dept. of Power, Manipur vide their letter No: ACE(P)-I/2(24)/E.O/2009/9-15 dated 08.04.2010, had given their consent to open the line.

Deliberation of the TCC:

Due to grid problems the SPS could not be operationalized earlier. It was agreed to implement the SPS by January 2011. The status would be monitored in OCC.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 1.1.2	Installation of new Under Frequency Relays (UFRs) in NER constituent systems and constituent-wise load relief quantum as recommended by the sub-committee - NERLDC.
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The matter was discussed regularly in the OCC meetings. All the constituents have furnished the list of identified feeders.

Assam has intimated during the 50th OCC meeting that they have already implemented the Scheme in their State. Nagaland, Mizoram are in the process of

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implementing the scheme as the UFRs have already been procured by them. Tripura informed that the procurement of UFRs is under progress and it will take at least three months for implementation of the scheme. Meghalaya informed that they had put up the proposal to the Government to procure the UFRs.

Deliberation of the TCC:

Member Secretary informed that only Assam has installed the UFR and facing load shedding whenever frequency falls and public resentment. Assam has been persuaded to keep the UFRs in operation. It is therefore necessary for other States to fix the time schedule to install the UFRs. The latest status as informed by the states is given below:

- 1) Arunachal Pradesh- Procurement is done and will be installed by December 2010.
- 2) Assam - Already implemented.
- 3) Manipur - Will be implemented by December 2010.
- 4) Meghalaya - Will be implemented by December 2010.
- 5) Mizoram - Will be implemented by September 2010.
- 6) Nagaland - Will be implemented by September 2010.
- 7) Tripura - Will be implemented by December 2010.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 1.1.3	Single-Phase Auto-Reclosure of Transmission Lines.
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The matter was followed up regularly in various OCC meetings and during the 50th OCC meeting the Scheme was finalized. The OCC Sub-committee requested POWERGRID to implement the scheme at the earliest as joint inspections have been carried out by them with the constituents.

Deliberation of the TCC:

POWERGRID informed that out of 13 lines pertaining to NEEPCO and POWERGRID, the scheme on 3 lines belonging to PGCIL is operational. After joint inspection by NEEPCO and POWERGRID, modalities will be finalized within one month for remaining lines and progress will be monitored in OCC.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 1.1.4	Installation of Line Reactor at Kathalguri end of Misa - Kathalguri Line.
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During the 8th NERPC meeting, the RPC requested POWERGRID & NEEPCO to furnish the joint inspection report to NERPC Secretariat and the issue can be discussed again if required in the next meeting. The issue has been discussed in OCC meetings and during the 49th OCC meeting held on 09.04.2010 PGCIL has intimated that the joint inspection has been carried out with NEEPCO and the space is available in Kathalguri substation. The total cost of the Scheme as intimated by NERTS, PGCIL is Rs. 3.5 to 4 Crores.

Deliberation of the TCC:

It was agreed that POWERGRID will execute the scheme on behalf of NEEPCO as deposit work. POWERGRID advised NEEPCO to write to them officially in this regard. MS, NERPC advised NEEPCO to do the needful in a month's time. Cost of reactor shall be recovered by NEEPCO through tariff as per CERC norms.

Deliberation of the RPC

The RPC endorsed the recommendation of TCC.

ITEM NO. 1.1.5	Transfer facility in Bus Bar arrangement
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During the 8th TCC/RPC meetings held in Imphal, POWERGRID informed that they have to take line shutdown for breaker maintenance on the lines terminating in substations/switchyard owned by Assam/NEEPCO which do not have transfer bus facility. They requested that either the transfer bus facility may be created by the owning utility or they may be given deemed availability for outage of such lines whenever shutdown has to be taken for breaker maintenance.

During the 51st OCC meeting held on 11.06.2010, PGCIL had furnished the list of critical Sub-stations as mentioned below where transfer bus facility is to be implemented.

(i) Bus Transfer facility available but Non-Functional:

AEGCL:

- a. Samaguri S/S: For 220 kV Misa – I & II Bays
- b. Mariani S/S : For 220 kV Kathalguri and 220 kV Mariani Bays
- c. Gohpur S/S : For 132 kV Nirjuli Bay

(ii) Bus Transfer facility Not Available:

NEEPCO :

- d. Kathalguri : For 220 kV Misa and 220 kV Mariani Bay
- e. Ranganadi : For 400 kV Balipara I & II Bays
- f. Kopili : For 220 kV Misa I, II& III
- g. Doyang. : For 132 kV Dimapur-I&II Bays

Till transfer facility is provided at Substations where transfer facility is not available at present, POWERGRID requests forum to consider POWERGRID lines connected to these stations as deemed available during maintenance of Circuit Breaker.

Deliberation of the TCC:

AEGCL agreed to make the bus transfer facility functional in Samaguri and Mariani. Regarding Gohpur, AEGCL informed that it would not be feasible to implement it immediately. However, it may be considered after bus transfer facility in Samaguri & Mariani.

NEEPCO intimated that it would not be feasible in case of Kathalguri and Ranganadi due to space constraint. However, it was operational in Kopili and possibility would be explored to make it functional in Doyang. It was decided that PGCIL & NEEPCO will jointly inspect the Katalguri, Doyang & Ranganadi switchyard and explore the possibility of bus transfer facility. The joint inspection report will be submitted to NERPC within one month and will be discussed in OCC meeting.

The proposal of deemed availability as requested by POWERGRID was not agreed to by the beneficiaries.

Deliberation of the RPC

The RPC endorsed the decision of TCC.

ITEM NO. 1.1.6	Renovation & Modernization (R&M) scheme for various substations of POWERGRID in NER.
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The special TCC held on 3rd July, 2009 had recommended the R&M work at POWERGRID substations and requested PGCIL to submit the proposal on the basis of decision in TCC along with equipment details and the cost for approval by the NER Power Committee in the 8th NERPC meeting.

However, during the 8th RPC meeting, POWERGRID requested for more time to finalize the scope of work and TCC decided to defer the agenda item for next meeting.

Deliberation of the TCC:

POWERGRID sought some more time to finalize the scope of work. PGCIL also informed that the R&M work will be covered under “additional capitalization under O&M as per CERC tariff regulation”. It was therefore decided to drop the agenda item.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 1.1.7	“Missing Link Scheme” by PGCIL in NER
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The construction of 2nd circuit of 132 KV Kopili – Khandong line has been delayed innumerable. As a result severe power crisis in peak power period is faced by Tripura, Mizoram, Manipur, Meghalaya and Assam. PGCIL had intimated that due to non-availability of forest clearance the work could not be completed in April, 2010 as per earlier schedule. PGCIL informed that once the forest clearance is obtained, commissioning of the line would not take much time.

Deliberation of the TCC:

POWERGRID intimated a tentative schedule of Dec'10 considering receipt of Forest clearance by Sept'10. Tripura insisted for commissioning before Durga Puja. Mizoram also supported early commissioning of the line. Assam was requested to help in expediting Forest clearance.

It was decided to refer the matter to RPC for intervention of RPC members in expediting Forest clearance.

Deliberation of the RPC

Principal Secretary (P), Govt. of Tripura stated that this line should be commissioned before Durga Puja festival as Tripura load will go up tremendously during the festive period. He requested PGCIL to complete the line before Durga Puja.

Principal Secretary (P), Govt. of Assam also endorsed the view of Principal Secretary (P), Govt. of Tripura.

Executive Director NERTS informed that Regional office of Ministry of Environmental & Forest, Shillong has sought some clarifications from Forest Dept. Govt. of Assam which were still awaited. POWERGRID is constantly pursuing the matter with Forest Dept. Govt. of Assam. Executive Director NERTS further informed that once the clearance is obtained it will take atleast 2 months to complete the remaining 4 towers. However, efforts would be made to complete the line before two months.

Minister of Power, Govt. of Assam suggested to have a joint meeting Forest Dept. Govt. of Assam, POWERGRID and Power Dept. Govt. of Assam to resolve the matter across the table. It was agreed that Principal Secretary (P), Govt. of Assam shall convene the meeting at the earliest.

The RPC noted as above.

ITEM NO. 1.1.8	132 kV Loktak – Jiribam Line Ckt – I
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In the 8th NER Power Committee Meeting, Chairperson, NERPC requested to complete the above line at the earliest as requested by POWERGRID. This issue has been discussed in various OCC meetings, but the status could not be updated due to infrequent participation by Manipur.

Deliberation of the TCC:

Chief Engineer (Power), Manipur assured earliest possible restoration of the line and intimated that Manipur has been making all out efforts for restoration in spite of very poor law and order situation.

TCC requested Manipur to commission the line at the earliest.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 1.1.9	Unified Load Dispatch Centre (ULDC) Scheme for NER
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In the 8th NER Power Committee Meeting, POWERGRID informed that money related to the state portion has not been received by them from DONER and same could not be released to the States. They further informed that they would clarify the position within a month.

Deliberation of the TCC:

PGCIL informed that in-spite of lot of persuasion they have not received any money from DONER. PGCIL suggested that each state should approach DONER independently. It was decided to constitute a committee to approach DONER on behalf of NER States.

TCC formed a committee comprising following members from POWERGRID, Assam, Meghalaya and Tripura to pursue with DONER for reimbursement of the money related to State portion.

POWERGRID : Sh. P. Kanungo
Assam : Sh. J. Bose
Meghalaya : Sh. T. Passah
TSECL : Sh. M. Debbarma

Deliberation of the RPC

The RPC endorsed the recommendation of TCC.

ITEM NO. 1.1.10	Training of System operators utilizing Reactive pool account:
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As decided in the 5th & 6th meetings of NERPC, the “Seminar on System Operations” has been successfully completed utilizing Reactive pool account in all the State Capitals.

Deliberation of the TCC:

TCC noted the same.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 2.0	Agenda Items related to Meghalaya (MeECL)
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ITEM NO. 2.1	Status of Implementation of power projects & allocation of power thereof:
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CEA vide letter dated 11.04.2007 (copy enclosed) had recommended for allocation of power to NER states from the ongoing power projects in NER and also from certain upcoming generating stations including Ultra Mega Projects. Allocation orders in respect of Pallatana project of OTPC, Subansiri hydro project of NHPC and Kameng HEP of NEEPCO had been issued. Further, following meetings held at Ministry of Power, New Delhi. Meghalaya has also been considered for allocation of 60 MW and 20 MW power from Orissa UMPP –I and UMPP – II at Andhra Pradesh respectively.

Meghalaya requested as follows:

i). That the follow up action on the aforesaid CEA recommendation including allocation order to respective constituents from the Bongaigoan TPS and other stations should be issued at an early date.

ii) The latest status of implementation of the ongoing power projects in NER and associated transmission system be informed.

iii). The status of implementation of the UMPP-I at Orissa & UMPP-II at Andhra Pradesh may be informed.

The above informations are vital for the planning process of Meghalaya on matters relating to generation capacity addition, transmission release of industrial load etc.

Deliberation of the TCC:

Meghalaya was advised to take up the matter with MOP.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 2.2	Utilization of spare pair of Optical Fiber under North East Unified Load Dispatch Centre (NEULDC), Energy Management System (EMS)/Supervisory Control And Data Acquisition (SCADA) Scheme
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There are existing substations of Me.ECL which have not yet been connected to the SCADA system of NER. In addition SCADA system is also required for the ongoing and upcoming generating projects and substations like new Umtru Power Station (2 x 20 MW) and Killing Substation 400KV/220KV/132KV. Me.ECL is envisaging utilization of the spare pair of Optical Fiber under the NEULDC; EMS/SCADA scheme to facilitate real time monitoring of those power stations and substations. It may be stated that under the aforesaid SCADA scheme, 6 Nos. optical fibers are utilized with 1st pair as main, 2nd pair as standby and 3rd pair as spare.

Deliberation of the TCC:

TCC agreed to the proposal of Meghalaya.

Deliberation of the RPC

The RPC endorsed the decision of TCC.

ITEM NO. 2.3	Training Programmes
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A series of training programmes on EMS/SCADA were held during the year 2008 – 2009 which were arranged through the fund available in NER Reactive Pool

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Account. These trainings were conducted successfully and found to be very useful for the engineers engaged at Load Dispatch Centres.

It is felt necessary to arrange more training programmes on matters related SCADA/EMS and communication so as to ensure continuity of the same and also for the benefit of those personels who have not been exposed to any such training and are presently attached to the respective LDCs. Besides, training may also be arranged on other important topics like commercial and financial aspects, operation and maintenance, load forecasting etc.

Deliberation of the TCC:

Member Secretary, NERPC stated that since all the surplus funds are being placed in Power System Development Fund (PSDF), such proposals would have to be sent for approval of CERC by respective RPCs to the Managing Committee of PSDF.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 3.0	Agenda items related to Tripura (TSECL)
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ITEM NO. 3.1	Congestion Charge Regulations in NER
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CERC has already issued “Congestion Charge Regulations – 2009.” These Regulations if implemented in NER, would badly affect the financial health of state utility like Tripura and adjoining states drawing power from 132 KV pocket having severe transmission constraints since long. Apart from the above, this would force revision of drawal schedule on the day of implementation instead of day ahead thereby creating problems in demand side power management. As Tripura is continuously suffering from forced under drawal due to inter-state transmission constraints, the regulation will cause heavy financial burden in terms of paying additional amount towards congestion charges and wheeling charge in excess of UI Charges. In view of the above, the matter may be deliberated and subsequently CERC may be requested to defer the implementation of the regulation in NER till the inter-state transmission constraints are removed.

Deliberation of the TCC:

Tripura informed that due to transmission constraints in NE grid, there will always be congestion in the grid and constituents would have to pay congestion charges both for overdrawal & underdrawal. It was agreed that the issue would have to be taken up by the Constituents individually with CERC to get appropriate relief.

Deliberation of the RPC:

Principal Secretary (P), Govt. of Tripura requested all the constituent states to file the petition with CERC jointly for repeal of the regulation in case of North Eastern Region and suggested that NERPC Secretariat may help in the matter. It was decided that States may prepare petition for filing before CERC and NEERPC Secretariat shall extend necessary assistance in the matter.

The RPC noted as above.

ITEM NO. 3.2	Status of Pallatana GBPP & Monarchak GBPP:
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- i)** Delays have been observed in commissioning of Pallatana GBPP (726.6 MW) project. The commissioning schedule as mentioned by OTPC is December, 2011 for Unit#1 and March, 2012 for unit#2.
- ii)** Whereas Monarchak GBPP (104 MW), the PIB approval is awaited. NEEPCO should take immediate steps to expedite all the necessary clearances and start the project work without any further delay.

Deliberation of the TCC:

The item was recorded under Item No. 9.10.

Deliberation of the RPC:

The RPC noted as above.

ITEM NO. 3.3	Increase in APM Price of Natural Gas:
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Govt. of India had recently enhanced APM price of natural gas from the present price of Rs. 3200/= per mmscm to Rs. 6818/= per mmscm. This would lead to substantial rise in per unit cost of power generated from the gas thermal plants of NER. In this regard, apart from AGBPP of Kathalguri and AGTPP of R.C. Nagar, state generation utilities will suffer badly. Moreover, this increase in gas price will also compel subsequent rise in per unit cost of power supplied to Manipur & Mizoram from Baramura & Rokhia GTP of Tripura. As a result, the very objective of providing power to the people of this region at affordable cost may get defeated.

Deliberation of the TCC:

The matter was referred to RPC to take up with Ministry of Petroleum and Natural Gas.

Deliberation of the RPC:

It was decided that Hon'ble Power Ministers of North Eastern Region would submit a Memorandum to the Hon'ble Prime Minister of India as well as to the Hon'ble Minister of Petroleum & Natural Gas, Govt. of India to roll back the APM price of natural gas applicable for the generating stations of N.E. Region to pre-revised level.

The RPC noted as above.

ITEM NO. 3.4	Defective Cards/Prints of S900 RTU (AREVA make):
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The issue of repairing of defective Cards/Prints of S900 RTU (AREVA Make) was continuously discussed in almost all the meetings. The AGM, NERTS, PGCIL informed in last 11th UCC meeting held on 18.06.2010 at Shillong that there is no response from M/S AREVA to take up this issue.

Deliberation of the TCC:

Tripura informed that the cost of defective cards of S900 RTU is almost equal to new RTUs and are already obsolete. It was felt that the Constituents would have to procure new compatible RTUs with advise/guidance from POWERGRID and cards and other parts of one S900 RTU could be used for maintaining the other RTU of similar make.

It was felt that replacement of cards in AREVA make S900 RTU would not be of cost effective solution. POWERGRID suggested that constituents may use one old S900 RTU to meet the requirement of spare of other RTUs of similar make and buy new RTU to replace the RTU used for spares. This practice was being followed by them in other regions. This was agreed to by TCC.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 3.5	Communication problem due to PUNCOM, EPABX:
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Communication system badly suffered due to PUNCOM, EPABX problem installed under NER-ULDC project. After being repeated persuasion from NERTS, PGCIL, the original supplier agency (PUNCOM) is not ready to send service engineer to NER to rectify the Exchange problems. Beside, the visit of PUNCOM personal is immediately required for establishing interface facility between existing (under ULDC i.e. PUNCOM) & new integrating EPABX being installed.

Deliberation of the TCC:

Since PUNCOM having been already closed, there would not be any possibility of obtaining support from them and new EPABX will have to be procured to replace non-functional PUNCOM make EPABX. TSECL requested POWERGRID to furnish the Technical details of PUNCOM EPABX to enable them to integrate the existing system with new system. POWERGRID agreed to provide such details available with them.

Deliberation of the RPC

The RPC endorsed the decision of TCC.

ITEM NO. 4.0	Agenda items related to NEEPCO
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ITEM NO. 4.1

Degradation of upper catchment area of Kopili River: A threat to Kopili HEP

The Kopili HE Plant has faced an extraordinary and unprecedented situation owing to acidic nature of the reservoir water. Prima facie, the acidification of the reservoir water is caused due to unscientific coal mining in the catchment area as revealed by study through GSI, NER, Shillong. The increased wear and tear on the underwater metal parts of the Plant due to corrosive action of the acidic water has led to the increase in the number of breakdowns.

A National level seminar was organized by NEEPCO inviting the stakeholders of the Plant and experts on the relevant field with a view to share the difficulties faced by NEEPCO in running the Power Plant and to seek opinion and suggestion from the experts. The outcome of the seminar was deliberated upon during the course of discussion in the 8th TCC Meeting of RPC held at Imphal. The matter was appraised to the Hon'ble Power Ministers of both State of Assam and Meghalaya on 21.12.2009 with detailed report on the outcome of the seminar. The matter was also taken up with the respective Chief Secretary of both Assam and Meghalaya. However, considering the present power position of the NE Region, NEEPCO decided to take - up repairing of all the damaged under water parts in situ – as the delivery period of the new turbine parts is too long (more than two years), Never the less, NEEPCO has taken appropriate action and placed order with BHEL for supply of new parts worth of more than Rs. 30.00 Crs.

On the other hand, the entire activities of repairing of the units of Khandong and Kopili Stg-II power stations were carried out during the shutdown period of the Khandong water conductor system availed for installation of dedicated surge shaft gates with hoisting mechanism for the two power stations as per guideline of CEA conveyed vide letter no.- 41/5/2007/95 dated 12th March '2007 from Chief Engineer, CEA for avoiding flooding of power house.

It is pertinent to mention here that, although massive repairing work has been carried out by NEEPCO as temporary measures; an integrated, interdisciplinary approach for preventing / tackling acidification at source must be opted for survival of the Plant.

ITEM NO. 4.2	Dilapidated condition of all roads that leads to KHEP, RHEP & AGBP: consequence thereof:
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The condition of roads that lead to Kopili HE Plant, Ranganadi HE Plant and Assam Gas Based Power Plant is very pathetic. Particularly, the road connecting to Kopili HE Plant (Assam portion) is almost non-existence. There are many occasions where suppliers and transporters of materials, required for maintenance of power stations, expressed their reluctance in supplying the materials on account of the poor condition of the roads. There are instances of damage of materials during transportation which led to involvement of extra cost and time for repairing too.

At times, situation was so dismal that experts as well as in house employees also expressed reluctance to work in such Projects.

Deliberation of the TCC:

It was decided to refer the item No. 4.1 & 4.2 above to RPC.

Deliberation of the RPC

Member Secretary, NERPC requested NEEPCO to give the presentation. The presentation of NEEPCO is enclosed at **Annexure – 4.1.**

Minister of Power, Govt. of Assam expressed concern about the acidic water problem due to open cast mining in Meghalaya. He requested Govt. of Meghalaya to look into the matter as not only the power plant is affected but acidic water cause environmental problem in Assam. Regarding the dilapidated condition of the approach road to Kopili plant, he informed that Govt. of Assam has already taken up repairing of the road and the work is in progress.

Chairman, NERPC informed that Govt. of Meghalaya is finalizing the mining policy in the state and he would apprise Hon'ble Chief Minister of Meghalaya and the concerned Depts. of Meghalaya to find a permanent solution to this problem.

The RPC noted as above.

ITEM NO. 5.0	Agenda items related to ONGC Tripura Power Corporation (OTPC)
ITEM NO. 5.1	Deed of Adherence of North East Transmission Company (NETC) not signed by Meghalaya and Nagaland

The 400kV D/C Palatana-Bongaigaon transmission system is being developed by North East Transmission Company (NETC). The Share holders Agreement of NETC was signed on 3rd February 2009 amongst Power Grid, OTPC, Govt. of Tripura and NETC. Subsequently Assam, Mizoram, and Manipur have signed the Share Holder Agreement (SHA) by signing Deed of Adherence. This issue was discussed in the 8th NERPC meeting. Meghalaya and Nagaland have still not signed the Deed of adherence, in-spite of numerous reminders

Deliberation of the TCC:

MeECL requested OTPC to take up the issue with State Govt as equity shall be contributed by State Govt. Nagaland informed that the matter is pending with State Govt. and requested to discuss it in RPC forum.

Deliberation of the RPC

Managing Director NETC (North East Transmission Company) informed that all the constituent states have signed the Deed of Adherence (DOA) except Meghalaya & Nagaland. He requested Govt. of Meghalaya & Nagaland to sign the DOA at the earliest.

Principal Secretary (P), Govt. of Nagaland informed that the matter is pending with Planning & Finance Dept. of Nagaland. He informed that he would take up the matter with the Chief Secretary, Govt. of Nagaland.

Meghalaya & Nagaland agreed to sign the DOA at the earliest.

The RPC noted as above.

ITEM NO. 6.0	Agenda items related to Arunachal Pradesh
ITEM NO. 6.1	Status of commissioning of 132 KV Pasighat – Namsai.

POWERGRID may kindly intimate the tentative date of completion so that connectivity of downstream transmission lines & substations can be planned accordingly by Arunachal Pradesh.

Deliberation of the TCC:

POWERGRID intimated the tentative date for completing of the line is June, 2012.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 6.2	Fiber optic cable from Tinsukia - Deomali.
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It was decided in Special TCC meeting held on 3rd July, 2009 (under item 5 of the Minute). PGCIL while formulating DPR for laying of Fiber optic cable in Arunachal Pradesh has proposed Tinsukia – Deomali in place of Tinsukia – Namsai to make project technically viable & feasible with break up as follows:

- i. “Tinsukia – Deomali” on ASEB network
- ii. “Kathalguri – Deomali” on Ar. Pradesh network.

Any deviation over and above provision of 100 KM (Central Sector) shall be on the account of Arunachal Pradesh.

Deliberation of the TCC:

POWERGRID proposed that they would go ahead with Tinsukia-Namsai as per the original plan at present and would examine the feasibility of extending the fiber optic cable to Deomali as proposed above as and when Arunachal Pradesh complete Deomali – Namsai portion of the line.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 7.0	Agenda items related to Assam
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ITEM NO. 7.1	New UI regulations declared by CERC.
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As per new UI regulations effective from May 2010 among other things CERC has put restriction on trading through UI by under drawl by beneficiary States. As a result NE Region which is a hydro dominant area has suffered a lot. Biggest hydro

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 station RHEP being the ROR and because of frequent changing of schedule intra-day trading is also not possible. The Commission had proposed the ceiling of 20% under drawl only in the draft regulation and ultimately finalized at 10% in the final regulation. This will definitely effect commercially to all NE states. Apprehending this Chairman, ASEB has made a plea to the CERC for review and some relaxation in ceiling of UI under drawl. The forum is also requested to make a plea before the CERC in this respect.

Deliberation of the TCC:

It was agreed that other States would also take up the matter with CERC.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 7.2	Receivables of ASEB from NER States.
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ASEB is to receive following outstanding amounts from NER States on account of drawl of ER/NTPC energy out of deemed drawl of ASEB from ER/NTPC. It is worth mentioning that during the lean period of 1992 – 1998 NER states did over drawl of power from NER Grid. It was decided in NEREB Forum then that those over drawl would be treated as deemed drawl of ER/NTPC energy out of drawl of ASEB from ER/NTPC under the bilateral agreement. Accordingly, ASEB was directed to raise bill at ER/NTPC tariff with addition of 5% additional charge on Transmission and Wheeling loss. The state-wise outstanding on account of above are: -

All figures are in Rupees.

Sl. No	Name of State	Principal	Surcharge	Total
1.	Ar. Pradesh	0	4,68,28,102.00	4,68,28,102.00
	Manipur	0	3,18,01,053.00	3,18,01,053.00
	Mizoram	0	0	0
	Nagaland	2,15,85,629.00	4,57,80,165.00	6,73,65,794.00
	Tripura	0	62,68,195.00	62,68,195.00
	Total	2,15,85,629.00	13,06,77,515.00	13,06,77,515.00

All NER states except Nagaland have already cleared the principal portion of the outstanding. As ASEB is under the process of reforms so all Member States are requested to immediately release the outstanding dues.

Deliberation of the TCC:

Nagaland informed that the matter was pending with State Govt.

ASEB intimated that after receiving the payment of entire principal amount, the matter would be put up to ASEB Board for waiver of surcharge.

Deliberation of the RPC

Minister of Power, Govt. of Nagaland requested Assam to furnish the details of bills to them so that the same could be verified for early payment.

Assam stated that once the principal amount is paid the surcharged could be considered for waiving.

The RPC appreciated the gestures of Assam and requested Nagaland to pay the principal amount at the earliest.

ITEM NO. 8.0	Agenda items related to POWERGRID
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ITEM NO. 8.1	Construction of 400 KV Pallatana – Surajmaninagar – PK Bari /Agartala/ Udaipur Transmission System for availing start up power for OTPC :
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POWERGRID has completed detailed survey for the 400 kV Pallatana – Surajmaninagar. However TSECL is yet to complete acquisition of land for the Sub Station at Surajmaninagar.

Deliberation of the TCC:

TSECL informed that they have already acquired the land and would be completing the Sub-station (S/S) matching with Palatana Project.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 8.2	Pallatana - Bongaigoan Transmission System:
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The project is already under implementation by POWERGRID and is scheduled to be commissioned progressively from November-2011. It is to be

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mentioned that transformer ratings at Melriat and Mokokchung had to be modified due to transportation constraints (Due to transportation constraints, 3-phase transformers (2x50 MVA) earlier proposed at Melriat and Mokokchung sub-stations have been modified as single phase units (7x10 MVA and the same was concurred in the 8th meeting of NERPC). Further in this regard, following is to be submitted:

(i) Construction of 132 kV Hailakandi S/s by AEGCL

Silchar-Hailakandi 132 kV D/c line is proposed to terminate at Hailakandi. It is understood that existing Hailakandi substation does not have adequate space to accommodate 132 kV extensions of bays. ***It is requested that AEGCL may provide space for construction of two 132 kV bays at their substation for termination of this line expected to completed by Nov 2011.***

Deliberation of the TCC:

POWERGRID apprehended delay in the project due to problem in land acquisition as space in existing S/S was not adequate. POWERGRID suggested AEGCL to go for GIS. AEGCL proposed that matter may be discussed in RPC.

Deliberation of the RPC

Managing Director, AEGCL informed that the land acquisition of the new Sub-station (S/S) is in progress and the S/S would be completed in time.

Executive Director (Coml), POWERGRID informed that since land acquisition is a major issue in the region he therefore suggested installing the Gas Insulated S/S (GIS) in the existing S/S.

Principal Secretary (P), Govt. of Assam agreed to explore possibility of installation of GIS at Hailakandi S/S.

The RPC noted as above.

(ii) Construction of Melriat substation of Mizoram

The Silchar-Melriat 400 kV line (optd at 132 kV level) is expected to be ready by March 2012. Melriat(POWERGRID)- Melriat(Mizoram) 132 kV D/c line has been planned for supplying power to Mizoram at 132 kV level. ***Govt. of Mizoram may kindly take action for completion of their Melriat sub-station.***

It is understood that Govt. of Mizoram has yet not acquired the land for their new substation at Melriat.

Also, 4 nos. of 33 kV bays have been identified for supplying power at 33 kV level for which requisite 33 kV lines may have to be implemented by Govt. of Mizoram.

Deliberation of the TCC:

Engineer-in-Chief, Mizoram informed that they had already acquired the land and assured that substation would be completed in time. He requested POWERGRID to complete their portion also as per target.

Deliberation of the RPC

The RPC noted as above.

(iii) Construction of Pasighat S/s and Along – Pasighat 132 kV line by Govt. of Arunachal Pradesh

POWERGRID has acquired the land at Roing and Tezu. At Namsai, land acquisition is under process. It is requested that ***Pasighat substation and Along-Pasighat 132 kV line may be executed by Govt. of Arunachal Pradesh to ensure the power supply to Roing, Tezu and Namsai areas.*** POWERGRID has provided 2 nos. of 33kV bay for 33 kV take off from these substations. It is requested that Arunachal Pradesh may identify the 33 kV take off arrangement from these sub-stations.

Deliberation of the TCC:

Ar. Pradesh informed that they would complete the activity by March, 2011.

Deliberation of the RPC

The RPC noted as above.

(iv) Construction of Surajmaninagar substation by TSECL:

Monarchak GBPP (Govt. of Tripura) has following transmission system:

- i. Monarchak GBPP – Surajmaninagar 132 kV D/c line
- ii. Monarchak GBPP – Rabindranagar 132 kV D/c line
- iii. Surajmaninagar – PK Bari 400 kV D/c (initially operated at 132 kV level)

TSECL has desired that POWERGRID may prepare the DPR for subject system as a consultancy work, which is presently under preparation and shall be ready in a month's time. It is requested that **Govt. of Tripura may take urgent action so that Surajmaninagar substation may be completed for termination of Pallatana-Surajmaninagar 400 kV D/c line (initially operated at 132 kV level).**

Deliberation of the TCC:

TSECL representative informed that they would carry out construction of item **i)** and **ii)** above. However, for item No. **iii)**, they have placed the proposal with NER comprehensive transmission development scheme to be funded under World Bank assistance on 90:10 basis.

Managing Director, OTPC stated that they would commission first module of Palatana by Dec, 2011 and for this they have already taken up with BHEL for expediting supply of equipments. He stated that OTPC would require start up Power from Tripura to enable commissioning in time.

TSECL representative stated that commissioning of 400 KV Palatana-Silchar before commissioning of Palatana generation would be extremely necessary for evacuation of Palatana Power as Tripura would not be able to consume major portion of the same.

TCC requested NETC to do the needful.

Deliberation of the RPC

The RPC noted as above.

(v) Construction of Imphal substation

The Silchar-Imphal 400 kV line (optd at 132 kV level) is also a part of POWERGRID scope of works for Pallatna and Bongaigaon. Presently, land acquisition for Imphal is under process. LILO of Loktak-Imphal(Manipur) 132 kV line at Imphal (POWERGRID) has been approved in the last NERPC meeting. **4 nos. of 33 kV line bays have been proposed for supplying power at 33 kV level for which requisite 33 kV lines may have to be implemented by Govt. of Manipur.**

Deliberation of the TCC:

Chief Engineer (Power), Manipur stated that they have already acquired land and would complete activity in time. He requested POWERGRID to complete 400 KV Silchar-Imphal line in time as it would be very vital link for Manipur.

Deliberation of the RPC

The RPC noted as above.

vi) Construction of 400 / 220kV Substations by Assam and Meghalaya:

The Consequent upon planning a major 400 kV Transmission System associated with Pallatana and Bongaigaon Generation Projects, States like Assam and Meghalaya had also expressed their requirement of having a 400 kV Substation in their States to facilitate a strong electrical connectivity with the new 400 kV Transmission System. Accordingly, construction of Azara and Byrnihat Substations by AEGCL and Me.ECL respectively were approved in the 6th NERPC meeting. ***In this regard, following is to be mentioned:***

(vii) Construction of 400 / 220 kV Azara Substation by AEGCL:

Establishment of new 2x315MVA, 400/220kV substation at Azara by Looping In and Looping Out (LILO) of Silchar- Bongaigaon 400kV D/C Line, to be carried out by AEGCL, was approved along with major generation schemes for facilitating drawal of power from upcoming 400 kV network and dispersal of the same into State grid. It may be mentioned that Silchar – Bongaigaon 400kV D/c Line having a length of 408 km , has been planned and designed considering that Azara Substation shall be available matching with commissioning of the line. It is also to mention that if this Substation is not available, the power transfer for such long length of transmission line may not be reliable.

(viii) Construction of 400 / 220 kV Byrnihat Substation by Meghalaya:

Establishment of Byrnihat Substation by LILO of one Ckt of Silchar – Bongaigaon 400 kV D/c Line is required to provide reliable source of power supply to Meghalaya. This substation would provide a much needed source of supply to the Meghalaya and strengthen its connectivity with the North-Eastern Regional grid. It may be mentioned that Silchar – Bongaigaon 400kV D/c Line having a length of

Minutes of 9th TCC & 9th NER Power Committee Meetings held on 11th & 12th August, 2010
408 km, has been planned and designed considering that Byrnihat Substation shall be available matching with commissioning of the line.

Deliberation of the TCC:

AEGCL representative stated that they had acquired the land for Azara S/S and confident of completion of S/S in time. He also intimated that award of contract would be finalized soon. Managing Director of OTPC expressed apprehension about completion of Azara S/S by AEGCL in time. POWERGRID informed that Series compensation in the line was earlier envisaged without Azara or Byrnihat. Now in case of non-completion by AEGCL, it would not be possible to charge the line without series compensation and entire project would be affected.

MeECL informed that they have signed MOA with POWERGRID for execution of the S/S.

It was decided to refer the matter to RPC.

Deliberation of the RPC

Managing Director, AEGCL stated that land acquisition for Azara S/S has been completed and tendering activity is in progress and the sub-station would be completed matching with the commissioning schedule of Pallatan – Bongaigoan 400 KV line.

Principal Secretary (P), Govt. of Tripura informed that forest clearance for Right of Way (ROW) in the portion of line passing through Meghalaya need to be expedited as it may prove to be a major hindrances in completion of Pallatana – Bongaigoan line.

Chairman, NERPC informed that they were taking necessary action in the matter.

The RPC noted as above.

ITEM NO. 8.3	Setting-up/up-gradation of SLDCs in NER.
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In the 8th TCC/ NER Power Committee Meetings held on 11th & 12th January, 2010 held at Imphal, in regard to finalization of DPR for SLDCs establishment, following was decided:

A) The four states viz. Arunachal Pradesh, Mizoram, Manipur & Nagaland were agreeable to the proposals sent by POWERGRID for preparation of Detailed Project Report for establishment of SLDC System in their states. The formal agreement to the proposal was to be sent by the end of January 2010.

B) Tripura, Assam & Meghalaya states were requested to expedite their consent regarding the up-gradation requirements of the existing SLDC systems under ULDC project in order to consolidate the requirements of all the states for preparation of DPR and proceeding further in execution of these projects.

The present status is given below:

Arunachal Pradesh : Consent for preparation of DPR & advance payment received.
The DPR is under preparation.

Mizoram : Consent for preparation of DPR received.
Advance payment yet to be received.

Manipur & Nagaland : Consent for preparation of DPR yet to be received.

Meghalaya : To send their request for the preparation of the DPR.

Deliberation of the TCC:

Mizoram and Manipur committed to do the needful within two months. MS, NERPC stressed the importance of SLDC in restructured regime and advised Nagaland also to take up the matter in line with other NER States. Nagaland representative requested to take-up the matter in RPC forum. Meghalaya was also requested to intimate their decision to get the DPR prepared by POWERGRID or by themselves within a month to POWERGRID. Meghalaya agreed to intimate their position in a months' time.

POWERGRID further stated that in the recent NRPC meeting, the Constituents have agreed for upgrading existing SLDC systems with transferring of IEC 101 to IEC-104 protocol systems, creating of back-up SLDCs, web based data publishing and security audit. POWERGRID urged NER States also to act in this line. MS, NERPC informed that such advanced technology can be thought of in the next stage after establishing SLDC in all States.

Deliberation of the RPC

Principal Secretary (P), Govt. of Nagaland informed that consent for preparing DPR and advance payment to POWERGRID is under consideration and decision would be conveyed at the earliest.

Mizoram informed that necessary action would be completed within two months.

Meghalaya informed that whether they would prepare the DPR on their own or request PGCIL is under consideration and the same would be intimated soon to POWERGRID.

The RPC noted as above.

ITEM NO. 8.4	Security Assistance for maintenance of Transmission Lines in Insurgency Prone Area in Manipur
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In the state of Manipur POWERGRID operates and maintains 132kV Lines Viz. 132kV Dimapur - Imphal, 132kV Loktak - Imphal, 132kV Liktak - Jiribam and 132kV Aizawl - Jiribam. Sections of these lines pass through insurgency prone areas and for regular maintenance / patrolling of these sections; security from state Govt is required. The matter has already been taken up at Chief Secretary Level and letter was written to the administration for providing escort to our maintenance party, but the request was refused. Till now POWERGRID has not been provided with necessary security during the requirement. POWERGRID requests the forum to consider above lines as deemed available during any outages owing to fault in insurgency prone area.

Deliberation of the TCC:

Manipur assured to provide security assistance to POWERGRID on case to case basis and CE, Manipur advised POWERGRID to approach State Govt. in this connection.

The proposal of deemed availability as submitted by POWERGRID was not agreed to by the Constituents.

Deliberation of the RPC

POWERGRID informed that during the 8th NERPC meeting the Hon'ble Chief Minister, Govt. of Manipur has assured them to give security for maintenance of the lines but the same has not been done. Hence POWERGRID requested to give them deemed availability for forced outage of line passing through certain disturbed areas of Manipur.

Principal Secretary (P), Govt. of Manipur assured that security would be provided to POWERGRID for attending forced outages. However, for routine maintenance & patrolling POWERGRID should make request in advance.

Executive Director NERTS informed that they would need security for routine maintenance maximum 4 times in a year.

Minister of Power, Govt. of Nagaland suggested that POWERGRID may involve local population for routine maintenance through small contracts to make them part of the maintenance activity and POWERGRID would face less problems.

However, request of POWERGRID for deemed availability was not agreed to.

The RPC noted as above.

ITEM NO. 8.5	Outstanding Dues of POWERGRID against NER Constituents:
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The outstanding dues as on 31st May, 2010 with the constituents are shown in the **Table - I** below. These dues are mainly on account of arrear installments due to change over from UCPTT to CERC tariff norms applicable in NER from April, 2004 onwards as per various CERC orders issued between August & September, 2009. CERC in its orders stated to recover the arrear from the constituents in three installments. Bills for all three installments have already been raised, the last being in May, 2010. The outstanding shown includes some other arrears also due to supplementary billing viz incentive, income tax, FERV, surcharge etc.

Table – I

(Rs. in Cr.)

Outstanding with constituents as on 31st July, 2010			
Sl No	Name of the Constituent	Outstanding Amount due to installments	Outstanding Amount due to other bills
1	Ar. Pradesh	0.00	0.13
2	ASEB (Assam)	21.24	8.40
3	Manipur	9.76	2.74
4	MeECL (Meghalaya)	00.00	0.79
5	Mizoram	0.00	0.00
6	Nagaland	8.04	0.94
7	TSECL (Tripura)	0.00	-0.03
	TOTAL	39.04	12.97

CERC has recently issued order dated 19.05.2010 in respect of incentive for NER for the period 2004-05, 2005-06 & 2006-07 directing recovery of 90% of the incentive allowed. As per the order 90% of the allowable incentive comes to Rs. 22.69 crore which will be shared by the NER constituents in proportion to their share allocation. In addition to that Income Taxes for 2004-05, 2005-06 & 2006-07 are also due which will be Rs. 24.29 crore to be shared by the constituents of NER. Both the Incentive and Income Tax bills are going to be raised in the month of June, 2010. The breakup of tentative billing for Incentive as well as Income Tax is shown in the **Table- II** below:

Table –II

TENTATIVE BILLING FOR INCENTIVE AND INCOME TAX FOR THE PERIOD 2004-05, 2005-06, 2006-07 (As on 31st. July, 2010)			
Sl No	Name of the Constituent	Incentive (Rs. in Cr.)	Income Tax (Rs. in Cr.)
1	Ar. Pradesh	2.11	2.23
2	ASEB (Assam)	10.77	11.88
3	Manipur	2.33	2.41
4	MeECL (Meghalaya)	2.35	2.51
5	Mizoram	1.26	1.40
6	Nagaland	1.46	1.53
7	TSECL (Tripura)	2.26	2.33
	TOTAL	22.54	24.29

After raising the Incentive and Income Tax bills, the outstanding in June, 2010 will be as shown in **Table - III** below:

Table – III

(Rs. in Cr.)

Sl No	Name of the Constituent	Total outstanding as in July, 2010
1	Ar. Pradesh	5.43
2	ASEB (Assam)	58.16
3	Manipur	18.17
4	MeECL (Meghalaya)	7.09
5	Mizoram	3.18
6	Nagaland	12.77
7	TSECL (Tripura)	5.35
	TOTAL	110.15

The payable amounts by the constituents are huge as can be seen from the above tables. In case bills are not cleared within 60 (sixty) days of billing, surcharge is applicable as per CERC regulation.

Deliberation of the TCC:

The states were requested to liquidate outstanding dues at the earliest.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 8.6	STATUS OF LC REQUIRED BY NER CONSTITUENTS :
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Amount of available LC lower than the required LC amount as on 31.05.2010:

(Rs. In Lakh)

CONSTITUENTS	LC REQUIRED	LC AVAILABLE
MeECL(Meghalaya)	262.35	250

Deliberation of the TCC:

Meghalaya agreed to do the needful.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 8.7	MEASUREMENT OF HARMONICS
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CPRI already carried out measurement of harmonics in the portion of NER Grid involving RHEP, Nirjuli SS and Balipara SS under different condition including isolation of ER-NER Grid. As per the report the Total Demand Distortion (TDD) found to be exceeding the limits in following feeders and Central Power Research Institute (CPRI) recommends for installation of suitable filters—

Station	Feeder	CPRI Recommendation
Ranganadi HEP of NEEPCO	132kV Ziro-Along Feeder	Installation of Harmonic Filters
	132kV Nirjuli-SMS-Itanagar Feeder	--do--
	400kV Balipara # II	--do--
Nirjuli S/S of POWERGRID	132kV Ranganadi Feeder	--do--
	132kV Gohpur Feeder	--do--
	33kV Itanagar Feeder(AP-1)	--do--
	33kV Satyam Feeder (AP-2)	--do--
	33kV Nirjuli Feeder (AP-4)	--do--

Deliberation of the TCC:

TCC requested POWERGRID to carry out procurement and commissioning of filters for NER and submit proposal to CERC for funding of the same from PSDF. POWERGRID informed that they do not have technical expertise in design of filters and would like to engage a consultant. They would revert back with a definite proposal later. This was agreed to.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 8.8	Failure of 5MVA, 132/33KV, 1-Phase Transformer at 132/33KV ZIRO SS
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The above transformer failed on 30.05.2010 during energization of 33kV Kimin Feeder. However, the system was subsequently restored on 05.06.2010 using the spare transformer unit.

It has been observed from record that the 33kV Feeders connected to the transformer suffers frequent faults which pass through the transformer.

Arunachal may please improve the condition of 33kV Feeders to reduce inception of faults to avoid possibility of premature failure of transformer.

Deliberation of the TCC:

Ar. Pradesh informed that they have already initiated various measures to reduce no. of faults on 33 KV lines.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 8.9	Failure of 10 MVA, 132/33 kV Nirjuli ICT :
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10 MVA ICT-I was commissioned at Nirjuli in 1991. Transformer failed on 27.05.08 while feeding fault in the 33kV feeder-1. The transformer was subjected to frequent through fault current in 33 kV feeders. Total **246 number** of tripping recorded during the period from April'07 to May'08. Detailed internal inspection by manufacturer revealed that Transformer failed beyond repair. One 16 MVA Transformer of Arunachal was diverted from Deomali S/Stn on loan basis to replace failed Transformer. Same was commissioned on 09.01.2009. It is to mention further that ICT-II is also running critical with frequent fault feeding and increasing DGA trend.

One (1) 10 MVA, 132/33 kV Transformer urgently required to be procured for Nirjuli S/Stn for commissioning in place of ICT-I.

Deliberation of the TCC:

POWERGRID intimated that order has already been placed for 10 MVA ICT of Nirjuli S/S and same is expected tentatively by September, 2010.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 8.10	Non-operation of Switchgear and Protection Scheme in DOP, Manipur:
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Due to non-operation of switchgear and protection scheme in Imphal (State) and Ningthoukhong Sub Stations of DoP, Manipur during fault, the transmission lines of POWERGRID viz. 132kV Dimapur-Imphal, 132kV Loktak - Imphal, 132kV Loktak-Jiribam and 132kV Imphal (PG) - Imphal (State) undesirably trips to clear fault causing greater isolation frequently. Necessary corrective measures in Manipur system are required for security and reliability of NER Grid operation.

Deliberation of the TCC:

Manipur informed that most of old outdated equipments would need replacement and this process would take some time and they are taking necessary action in the matter.

ITEM NO. 8.11	2nd 315 MVA, 400/220 KV ICT at Misa: Part of Kameng Transmission System:
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Following transmission system for Kameng HEP was finalized in the 6th NERPC:

- (i) Kameng – Balipara 400kV D/C line
- (ii) Balipara – Bongaigaon 400kV D/C line (Quad conductor) with 30% Fixed Series Compensation at Balipara end
- (iii) 2nd 315 MVA, 400/220kV ICT at Misa

The Kameng HEP is expected to come up in 12th plan. However, the 315MVA transformer is expected to be commissioned by June 2011. The commissioning of this transformer may help the North-eastern regional grid as in the present day; constraints are being faced in grid operation due to which congestion may take place under the high hydro situation.

It is pertinent to mention that constraints in evacuation of power during high hydro period in NER are being faced under the contingency of Balipara – Samaguri 220kV line when the only 315MVA, 400/220kV ICT available at Misa gets overloaded. This constraint shall be removed when the above mentioned 2nd 315MVA, 400/220kV ICT at Misa is commissioned.

The commissioning of this transformer shall strengthen the grid and increase the reliability. As Kameng HEP is expected to come up in 12th plan only,

POWERGRID requests for preponement of commissioning schedule and recovery of transmission charges from the date of commissioning of the ICT.

Deliberation of the TCC:

TCC agreed to the proposal of POWERGRID for preponement of commissioning of 2nd 315 MVA, 400/220 KV ICT at Misa.

Deliberation of the RPC

The RPC endorsed the recommendation of TCC.

ITEM NO. 8.12	Requirement of Reactors & Transformers at POWERGRID Substations:
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POWERGRID North Eastern Region Transmission System is about 18 years old and the failure rate of equipment is increasing.

Presently, POWERGRID North Eastern Region is maintaining the following Reactors and Transformers:

REACTORS : 2 nos 63 MVAR and 10 Nos 50 MVAR 420 kV Voltage Class Reactors.

TRANSFORMERS : 12 Nos 105 MVA (1- Phase) 400/220/33 kV Transformers
1 No. 100 MVA 220/132 kV Transformer
2 Nos 50 MVA 220/132 kV Transformer
4 Nos 33.33 MVA (1- Phase) 132/33 kV Transformer
1 No. 16 MVA, 132/33 kV Transformer
1 No. 10 MVA.132/33 kV Transformer
4 No. 5MVA (1- Phase) 132/33 kV Transformer

Along with ageing, some of these Shunt Reactors and Transformers are having problems of fault gases. As per experience, in case of failure of a reactor or a transformer, the time consumed in repair / supply of new equipment takes with minimum of one year which severely affects the power supply.

Therefore to increase the operational reliability of the grid, POWERGRID proposes for procurement of the following equipment exclusively for NER as O&M Spare:

- REACTORS** : One no. 63 MVAR, 420 kV Voltage Class Shunt Reactor
TRANSFORMERS : One No. 100 MVA 220/132 kV Transformer
: One No. 16 MVA 132/33 kV Transformer
: One No. 5 MVA 132/33kV (1-Phase) Transformer

These reactors and transformers would be treated as Regional Element of North Eastern Region only and recover the charges as part of transmission charges

Deliberation of the TCC:

TCC agreed to the proposal of POWERGRID technically but did not agree recovery of cost through tariff. TCC suggested POWERGRID to approach CERC for funding through Power Development Fund (PSDF) and if funding is not agreed by CERC the same could be discussed in the next meeting. POWERGRID agreed.

Deliberation of the RPC

The RPC endorsed the recommendation of TCC.

ITEM NO. 8.13	Installation of Circuit Breaker in the 132/33 KV Naharlagun S/S of Arunachal Pradesh:
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The 132 kV Nirjuli – Ranganadi line was made LILO at 132/33 kV Naharlagun S/S for drawal of power at a Smelting Plant in the year 2004. The bays in the 132/33 kV Naharlagun S/S were constructed with isolators only. POWERGRID requested Deptt. of POWER - Govt. of Arunachal Pradesh to make arrangement for installation of other bay equipments like CT , Circuit Breaker, Wave Trap , LA, C&R Panels , PLCC etc required for complete bay as per standard 132 kV Sub Station. This connection was allowed by POWERGRID with a condition that all these equipments will be installed and commissioned within a period of one year. However, these bay equipments are yet to be installed in the 132 kV Bays till date despite several communications with DoP, AP. The installation of bay equipments is required to be done on priority to ensure reliable operation of the 132 kV Nirjuli – Ranganadi which is a generation evacuation line of RHEP.

Deliberation of the TCC:

POWERGRID and Ar. Pradesh would discuss the matter jointly and endeavor to resolve the matter bilaterally.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 8.14	Substation Equipment for Disaster Management/"ERS Substations":
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POWERGRID is presently operating 131 EHV Substations and another 40 to 50 numbers of EHV substations are in the pipelines which are to be commissioned progressively by 2012-13. The substations are criss-crossing the entire Country covering all the areas having adverse weather conditions, disturbed areas, earthquake prone areas, high flood areas etc.

Therefore, in case of any damage /devastation of substation, the restoration would take a period of more than a year. Thus, transmission system should have an Emergency Restoration System of Substation (ERS-Substation) like ERS for Transmission line which can bring back the affected Substation in 1 to 2 weeks. Internationally it has been seen that such ERS-Substations are in abundance in the western Countries. Recently, HVPNL have also procured such system at 132 & 66KV levels.

In view of the above, it is desirable that few ERS-Substations should be available in such large Indian transmission system to take care of any natural calamity or man-made eventualities. These equipments mainly consist of single phase transformers, GIS switchgear, Control and Protection relays which are mounted on trailers for quick transportation and installation. Keeping in view the direction of CERC and also to reduce burden on constituents, POWERGRID is proposing to procure two ERS-substation one(1) of 400KV level and one(1) of 132kV level, under UI pool account to take care of any eventuality in the power system network.

Deliberation of the TCC:

TCC agreed to the proposal of POWERGRID and asked them to get it funded from PSDF. POWERGRID agreed.

Deliberation of the RPC

The RPC endorsed the recommendation of TCC.

ITEM NO. 8.15	Outstanding UI Payment
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Status of UI outstanding as on 15.07.2010 is enclosed at **Annexure 8.15**. From the same, it can be seen that outstanding payable by Meghalaya, Nagaland and Mizoram are Rs.16.08 Crores, Rs. 13.54 Crores and Rs. 4.34 Crores respectively. Such payment default by these States is creating serious constraint in making payment to States like Assam and Tripura who are in receivable mode from pool.

Deliberation of the TCC:

Meghalaya, Nagaland and Mizoram were requested to liquidate the outstanding dues at the earliest. Mizoram intimated that they would make payment within one month.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 8.16	Inaccurate / inconsistent data from RTUs in NER
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Details of RTUs in NER and status of data received from these RTUs are as below (status as on 03.06.2010):

<u>Constituent/Agency</u>	<u>Total No. of RTU</u>	<u>Inaccurate/inconsistent data</u>
POWERGRID	16	0
C.S. Generator	7	1
Assam	21	11
Meghalaya	8	1
Tripura	8	2
Manipur	4	4
Nagaland	3	3
Mizoram	1	1
Total	68	23

For reliable real time grid operation, correctness of data from RTUs of different locations is extremely crucial. Inaccurate/inconsistent data from such large number of RTUs need to be attended urgently by the concerned constituent/agency.

Deliberation of the TCC:

AGM, NERLDC requested all the Constituents to ensure healthiness of respective communication channels in addition to RTUs. NTPC and OTPC were also requested to provide RTU and Communication channel in their upcoming Projects to ensure availability of data in NERLDC. Constituents agreed.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 9.0	Agenda items related to NERPC
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ITEM NO. 9.1	Power System Development Fund (PSDF)
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CERC has notified regulation for creation of “Power System Development Fund” on 04.06.2010. The surplus amount available in Reactive Pool, UI, Congestion amount, Congestion charges shall be transferred to Power Development Fund. A Managing Committee headed by CEO of NLDC shall administer the fund after approval from CERC. The Managing Committee shall have representative from each RPC.

Deliberation of the TCC:

Member Secretary, NERPC explained about PSDF and its’ Managing Committee. He state that any scheme with Regional benefit can be placed for funding from PSDF. Such proposals would have to be placed to CERC through respective RPC and Managing Committee.

TSECL representative stated that DISCOMs/SEBs also should be members of Managing Committee. ASEB and Mizoram supported TSECL on this. MS, NERPC advised the Constituents to take up with CERC.

Deliberation of the RPC

Hon’ble Power Ministers of North Eastern States unanimously decided to approach Chairman, CERC in the matter and send as resolution to CERC to retain control of surplus funds available in North Eastern Reactive Pool Account & UI Account with NERPC to be utilized for the benefit of North Eastern Region.

ITEM NO. 9.2	Inter - State Transmission Charges
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CERC has notified sharing of inter-state transmission charges and losses regulations 2010 on 15.06.2010 which shall replace the existing regulations w.e.f. 01.01.2011. Under the regulations NLDC has been appointed Implementing Agency. Implementing Agency shall prepare detailed procedure & formats for collection of the generation & demand of data from ISTS customers for peak and other than peak conditions for blocks of months for various seasons. The forecast submitted by ISTS customers shall be vetted by Implementing Agency and a Validation Committee appointed by CERC shall take final decision in the event of any conflict between the ISTS customers and the Implementing Agency.

Deliberation of the TCC:

Member Secretary, NERPC informed that one day Seminar on the topic would be organized by NLDC on 03.09.2010 at Guwahati. Details would be intimated by NLDC. He requested all the Constituents to take part in the Seminar to familiarize them with the topic.

Deliberation of the RPC

The RPC noted as above.

ITEM NO. 9.3	Proposal of Study Tour to United States of America for NER Constituents:
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PTC vide letter No: PTC/NERPC/4166-67 dated 2nd July, 2010 has intimated that they have requested United States Energy Association (USEA) to arrange and coordinated study tour to US for NER constituents to help them understand the power markets in US and learn about the latest developments in the areas of Power Distribution and also renewal energy.

The proposed study tours would be comprised in two groups with details as:

1. **Group - I:** consisting of 12 participants with a duration of 6 days and a cost of study tour is expected to be around \$52,500 USD (approx. **Rs. 25.2 lakhs**)
2. **Group - II:** consisting of 18 participants with a duration of 8 days and a cost for Gr. II is expected to be around \$70,000 USD (approx. **Rs. 33.60 lakhs**).
3. The details of study itinerary are enclosed at **Annexure 9.3 (i) & (ii).**

4. The amount mentioned above includes study fee, ground transportation in US, lodging for the delegates and also the USEA management fees.
5. The above amount excludes airfare, visa fee, DA, meals, travel insurance, etc.
6. In case the payment is made through PTC, then TDS (@10.88%) and service charges (@10.30%) would be applicable on the gross amount.
7. PTC can coordinate the visa, travel insurance and ticket through its travel agent to whom NERPC can make payment directly.

PTC has also intimated that they shall not charge any management fee for the coordinating these study tours, however, one PTC official shall be accompanying each group and the expenses for the same shall be borne by NERPC.

ITEM NO. 9.4	Proposal of Study Tour to Singapore for NER Constituents:
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Calcutta Electric Supply Corporation (CESC) has also proposed a study visit on reduction of Loss Management in power distribution network, metering techniques and stresses on IT applications as scheduled in R-APDRP programmes at Singapore & Kolkata. CESC is also an accredited partner training institute of the Power Finance Corporation (PFC) and authorized to conduct capacity building programmes under R-APDRP.

The Kolkata programme is suitable for middle to senior level engineers who require brushing up their technical knowledge and skills and intends to be updated with the latest system and technologies. The Singapore programme is more designed for top level people who need to see things and to believe that such technological changes and precision activities are possible in power industries.

The details itinerary for “Build and Manage Distribution Network with reliability and quality” are enclosed at **Annexure – 9.4.**

Deliberation of the TCC:

TCC agreed to the PTC proposal for study tour to USA for NER constituents with funding from PSDF.

Deliberation of the RPC

The RPC endorsed the recommendation of TCC.

ITEM NO. 9.5	Representation of Member Secretary as Adviser (Power) in North Eastern Council (NEC)
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Member Secretary, NERPC had been associated with NEC and was holding the post of Adviser (Power) of NEC during the past years till 2000. Since Member Secretary, NERPC is well acquainted in power scenario in the region and being an officer from CEA having vast knowledge in power sector, his representation in NEC as Adviser (P) would enhance the benefit for overall power development in the region.

Deliberation of the TCC:

TCC agreed to the proposal.

Deliberation of the RPC

The Hon'ble Ministers of Power agreed to write to Hon'ble Minister for Development of North Eastern Region (DONER), Govt. of India in this regard.

ITEM NO. 9.6	Enhancement of Board fund Contribution
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The present Annual Board Fund contributed towards NERPC by constituents are given below:

- 1. State Utilities: Rs. 25,000/annum each**
- 2. Central Utilities: Rs. 50,000/annum each**

The above rate of contribution is prevalent since the year 2004-05. However, due to cost escalation, it would be very difficult for NERPC Secretariat to meet the expenditures incurred towards various Sub-Committee meetings of NERPC.

In view of the above it is propose to enhance the contribution to Board Fund towards NERPC as given below:

- 1. State Utilities: Rs. 50,000/annum each**
- 2. Central Utilities: Rs. 2, 00,000/annum each**

Deliberation of the TCC:

TCC agreed to the proposal.

Deliberation of the RPC

The RPC endorsed the recommendation of TCC and enhancement would be effective from Financial Year 2010 – 2011.

ITEM NO. 9.7	Enhancement of Salary of PS to MS
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In the 6th RPC meeting held at Gangtok on 28th April, 2008 the RPC has approved the expenditure of Salary of PS to MS at Rs. 6000/month only. Salary has not been enhanced since then.

It is therefore proposed to enhance her salary from Rs. 6000/per month to Rs. 8000/per month.

Deliberation of the TCC:

TCC agreed to the proposal.

Deliberation of the RPC

The RPC endorsed the recommendation of TCC and enhancement would be effective from August, 2010.

ITEM NO. 9.8	Re-imburement of Mobile Bill of AS, NERPC
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Assistant Secretary (AS), NERPC is the nodal officer for co-ordinating TCC/RPC meetings as well as other sub-committee meetings of NERPC and is in frequent utilize of mobile. The average monthly bill is Rs. 1000/- per month which may be reimbursed through Board Fund.

Deliberation of the TCC:

TCC agreed to the proposal.

Deliberation of the RPC

The RPC endorsed the recommendation of TCC and this would be effective from August, 2010.

ITEM NO. 9.9	Empowerment of Board fund Expenditure
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The NERPC Secretariat meets its office expenditure from the funds allocated by Central Govt. and finding it difficult to upgrade its IT infrastructure and procure new software from the allocated funds from Central Govt. It is proposed that committee may empower Member Secretary to incur expenditure of Rs. 4 lakhs in a Financial Year from Board Fund with the approval of Chairperson NERPC for technological up-gradation of NERPC Secretariat

Deliberation of the TCC:

TCC agreed to the proposal.

Deliberation of the RPC

The RPC endorsed the recommendation of TCC and this would be effective from Financial Year 2010 – 2011.

ITEM No. 9.10	Commissioning Schedule of Generation Projects in NER :		
	Generating Agency	Generation Project	Commissioning Schedule
	NHPC	Lower Subansiri	) 12 th Plan
	NEEPCO	Kameng HEP	) 12 th Plan
	NTPC	Bongaigaon TPS	) 1 st & 2 nd unit, 2010-11
	OTPC	Pallatana GBPP	) 12 th Plan
	NEEPCO	Tuirial HEP	) 12 th Plan

Note: Information as per CEA.

Deliberation of the TCC:

The commissioning schedule as intimated by CEA was noted by TCC as below:

Generating Agency	Generation Project	Commissioning Schedule
NHPC	Lower Subansiri	) 12 th Plan
NEEPCO	Kameng HEP	) 12 th Plan
NTPC	Bongaigaon TPS	) U-1: 7/11, U-2: 01/12, U-3: 03/12
OTPC	Pallatana GBPP	) Module 1: 07/12, Module 2: 12/12
NEEPCO	Tuirial HEP	) 12 th Plan
ASEB	Lakwa	) 10/2010
ASEB	Namrup	) GT :04/2012, ST: 05/2012

Deliberation of the RPC

Principal Secretary (P), Govt. of Tripura stated that the commissioning date of Pallatana as indicated in the TCC meeting has shifted to 12th Plan and hence the plant would not be commissioned as per schedule. He enquired from OTPC about the latest status of the project.

Managing Director OTPC stated that OTPC is trying its best effort to commission the first module by December, 2011 & second module by March, 2012.

The RPC noted as above.

ITEM NO. 10.0	Any other items:
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1. **Commercial Operation of 160 MVA, 220/132 KV trf at Kopili :**

POWERGRID informed that the transformer was put into operation on 21.01.2010 and requested for commercial operation wef 01.02.2010

Deliberation of the TCC:

TCC agreed to the proposal of POWERGRID. The transformer would be considered in commercial operation w.e.f. 01.02.2010.

Deliberation of the TCC:

RPC noted as above.

2. **Mega Power Project status certificate for Bongaigaon TPP -II (1X250 MW)**

NTPC representative requested all the States to submit undertaking to MOP, GOI to carry out Distribution Reforms under Mega Power Policy in order to facilitate early issuance of Mega Power Project status certificate to Bongaigaon TPP Stage-II (1X250 MW)

Deliberation of the TCC:

States agreed to the same and requested NTPC to take up with respective State Govts. NEEPCO representative stated that same undertakings would be required by them also for Kameng Project.

Deliberation of the RPC:

RPC endorsed the recommendation of TCC and requested the above concerned agencies to write to respective Govt. for undertaking.

3. **Long outage of Kopili and Khandong HEPs and unreliable operation of Kathalguri GBPP**

Deliberation of the TCC:

Meghalaya representative highlighted the problems faced by them on account of above. MS, NERPC intimated that the matter had already been discussed in OCC/Commercial Committee forums of NERPC.

Deliberation of the RPC:

RPC requested NEEPCO to prepare a detail proposal for establishment of compressor and discuss in Commercial meeting of NERPC.

4. Non availability of real time data in NERLDC website

Deliberation of the TCC:

Mizoram representative stated that the detailed online data earlier available in NERLDC website have been discontinued for quite some time. He requested NERLDC to provide access to online data to NER Constituents through password, if necessary.

AGM, NERLDC informed Mizoram to write to NERLDC requesting for the same with undertaking that the data would be used exclusively for operational purpose.

Deliberation of the RPC:

RPC noted as above.

ITEM NO. 11.0	Date & Venue of the next meeting
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The next meeting of TCC & NERPC is proposed to be held in December, 2010. Exact dates and venue shall be intimated later. Mizoram will be the host for the next 10th TCC/RPC Meetings.

The meeting ended with thanks to the Chair

List of Participant in 9th TCC of NER Power Committee meeting

<u>Name</u>	<u>Designation</u>	
Organisation	Name S/Shri	Designation
Arunachal Pradesh	1. J. Tato 2. B.S. Kaneri 3. W. Rehman	Chief Engineer (Power) West Zone Suptdg. Engineer Executive Engineer (SLDC)
Assam	1. G.K. Das 2. D.P. Das 3. S. Baruah 4. M.K. Adhikary 5. K. Goswami 6. S. Goswami	CGM, (LD&C), AEGCL CGM, AEGCL GM, (Com), APDCL DGM (Com), APDCL Sr. Manager (Com), APDCL OSD to Hon'ble Minister Power, Assam
Manipur	1. N. Sarat Singh 2. L. Priyokumar 3. Jadumani Singh 4. Ng. Birjit Singh 5. Dwigen Singh	Chief Engineer (Power) & Chairman, TCC Addl. Chief Engineer (P) Superintending Engineer (P) Superintending Engineer (P) Superintending Engineer
Meghalaya	1. C.D. Saio 2. K. Marbaniang 3. C.D. Kynjing 4. A.D. Shabong 5. T. Passah 6. F. Kharshiing	Director (D) & Chairman, TCC Chief Engineer (T&T) Chief Engineer (RE) Chief Engineer (T&T) Superintending Engineer (SLDC) Executive Engineer (SLDC)
Mizoram	1. C.L. Thangliana. 2. Jolly Newman 3. C. Lianlunga	Engineer-in-Chief (Power) Joint Secretary (P&E) Superintending Engineer (SLDC)
Nagaland	1. Imli Ao 2. Lobosang Jamir 3. Bendang Longkumer	Superintending Engineer (P&G) Executive Engineer (P) Executive Engineer (P)
Tripura	1. K. Chakrabarty 2. M. Debbarma	Director, TSECL Additional General Manager, TSECL
NHPC	1. D. K. Ray 2. R. Raina	General Manager (Loktak) Chief Engineer
NEEPCO	1. P. K. Singha 2. P.K. Borah 3. Arup. Ch. Sarmah 4. D. K. Saikia 5. Bhaskar Goswami	Executive Director (O&M) Executive Director (Coml.) Sr. Manager (E) Sr. Manager (E) Sr. Manager (E)
NERLDC	1. T.S.Singh 2. N.R. Paul 3. R. Sutradhar	Addl. General Manager DGM Chief Manager
POWERGRID	1. Arun Kumar 2. Dr. S.K. Agarwal 3. D.K. Sarma 4. Ajoy Patir 5. Avinash. M. Pavgi 6. Kamal Sarkar 7. K. Rathore 8. S.S. Raju 9. Prasanta Kanungo 10. H.S.Kaushal	Executive Director (Com) Executive Director (T) General Manager (NERTS) Addl. General Manager, NERTS Addl. General Manager (Engg) AGM (OS) AGM (Engg) DGM, (Coml) Chief Manager (LD&C Corporate Office) Chief Manager

Annexure-I

List of Participant in 9th TCC of NER Power Committee meeting

<u>Name</u>	<u>Designation</u>	
Organisation	Name S/Shri	Designation
PTC		
NVVN	No representative	
CEA	No representative	
OTPC	1. S.K. Dube 2. Anil Sah	Managing Director DGM
NTPC	1. S. K. Kar	General Manager DGM (Com)
NETC	1. Umesh Chandra	Managing Director
IEDCL	No representative	
NERPC	1. B. K. Jain 2. P. D. Siwal 3. B. Lyngkhoi 4. Lalrinsanga 5. D. K. Bauri 6. S.M. Aimol	Member Secretary S.E (O) Assistant Secretary Executive Engineer Asst. Executive Engineer Asst. Executive Engineer

List of Participant in 9th NER Power Committee Meeting

<u>Name</u> S/Shri	<u>Designation</u>
1. Er. A. T. Mondal	Hon'ble Power Minister, Meghalaya & Chairperson, NERPC
2. Sh. Pradyut Bordoloi	Hon'ble Power Minister, Assam
3. Sh. Manik Dey	Hon'ble Power Minister, Tripura
4. Sh. D.Y.Sema	Hon'ble Power Minister, Nagaland
5. Sh. Jarbom Gamlin	Hon'ble Power Minister, Arunachal Pradesh
6. Sh. Lal Thanzara	Hon'ble Parliament Secretary Power, Mizoram

Organisation	Name S/Shri	Designation
Arunachal Pradesh	1. J. Tato 2. B.S. Kaneri 3. W. Rehman	Chief Engineer (Power) West Zone Superintending Engineer Executive Engineer (SLDC)
Assam	1. Sumit Jerath 2. S.K. Handique 3. G.K. Das 4. D.P. Das 5. S. Baruah 6. M.K. Adhikary 7. K. Goswami 8. S. Goswami	Principal Secretary (P), Assam Managing Director, AEGCL CGM, (LD&C), AEGCL CGM, AEGCL GM, (Com), APDCL DGM (Com), APDCL Sr. Manager (Com), APDCL OSD to Hon'ble Minister Power, Assam
Manipur	1. L. P. Gonmei 2. N. Sarat Singh 3. L. Priyokumar 4. Jadumani Singh 5. Ng. Birjit Singh 6. Dwigen Singh	Principal Secretary (P), Manipur Chief Engineer (Power) & Chairman, TCC Addl. Chief Engineer (P) Superintending Engineer (P) Superintending Engineer (P) Superintending Engineer
Meghalaya	1. A. Som 2. C.D. Saio 3. K. Marbaniang 4. W.S. Kynjing 5. A.D. Shabong 6. T. Passah 7. F. Kharshiing	Commissioner & Secretary (P), Meghalaya Director (D) & TCC Chairman Chief Engineer (T&T) Chief Engineer (RE) Chief Engineer (G) Superintending Engineer (SLDC) Executive Engineer (SLDC)
Mizoram	1. C.L. Thangliana. 2. Jolly Newnman 3. C. Lianlunga	Engineer-in-Chief (Power) Joint Secretary (P&E) Superintending Engineer (SLDC)
Nagaland	1. R.B. Thong 2. Imli Ao 3. Bendang Longkumer 4. Lobosang Jamir	Principal Secretary (P), Nagaland Superintending Engineer (Power) Executive Engineer (P) Executive Engineer
Tripura	1. Sanjeev Ranjan 2. N.S. Chakrabarti 3. K. Chakrabarty 4. M. Debbarma	Principal Secretary (P), Tripura Chairman & MD, TSECL Director, TSECL Additional General Manager, TSECL
NHPC	1. D. K. Ray 2. R. Raina	General Manager (Loktak) Chief Engineer

List of Participant in 9th NER Power Committee Meeting

<u>Name</u>	<u>Designation</u>	
Organization	Name S/Shri	Designation
POWERGRID	<ol style="list-style-type: none"> 1. Arun Kumar 2. Dr. S.K. Agarwal 3. K.K. Choudhury 4. D.K. Sarma 5. Ajoy Patir 6. Avinash. M. Pavgi 7. Kamal Sarkar 8. K. Rathore 9. S.S. Raju 10. Prasanta Kanungo 11. H.S.Kaushal 	Executive Director (Com) Executive Director (T) Executive Director, NERTS General Manager (NERTS) Addl. General Manager, NERTS Addl. General Manager (Engg) AGM (Engg) AGM (OS) DGM, (Coml) Chief Manager (LD&C Corporate Office) Chief Manager
NEEPCO	<ol style="list-style-type: none"> 1. P. K. Singha 2. P.K. Baruah 3. Arup. Ch. Sarm 4. D. K. Saikia 5. Bhaskar Goswami 	Executive Director (O&M) Executive Director (Coml) Sr. Manager (E) Sr. Manager (E) Sr. Manager (E)
NERLDC	<ol style="list-style-type: none"> 1. T.S. Singh 2. N.R. Paul 3. R. Sutradhar 	Addl. General Manager DGM Chief Manager
NVVN	No Representative	
NETC	<ol style="list-style-type: none"> 1. Umesh Chandra 	Managing Director
IEDCL	No Representative	
NTPC	<ol style="list-style-type: none"> 1. V. K. Padha 2. S. K. Kar 	General Manager DGM (Com)
PTC	<ol style="list-style-type: none"> 1. Sanjeev Mehra 	Executive Vice President
OTPC	<ol style="list-style-type: none"> 1. S.K. Dube 2. Anil Sah 	Managing Director DGM
CEA	No Representative	No Representative
NERPC	<ol style="list-style-type: none"> 1. B. K. Jain 2. P. D. Siwal 3. B. Lyngkhohi 4. Lalrinsanga 5. D. K. Bauri 6. S.M. Aimol 	Member Secretary S.E (O) Assistant Secretary Executive Engineer Asst. Executive Engineer Asst. Executive Engineer

ANNEXURE - IV

**SPEECH OF SHRI JARBOM GAMLIN, HON'BLE MINISTER OF POWER,
GOVERNMENT OF ARUNACHAL PRADESH ON THE OCCASION OF THE 9TH
MEETING OF THE N.E. REGIONAL POWER COMMITTEE HELD ON
12TH AUGUST, 2010 AT SHILLONG.**

Respected Chairman, my esteemed Hon'ble Power Ministers of all the North-Eastern States, Member of the NERPC Secretariat, delegates and officials of the Central and State Government Power Utilities and Gentlemen.

At the outset, I would like to express my sincere thanks to every one of you for giving me the privilege to address this august gathering on the occasion of 9th NERPC Meeting and I like this opportunity to congratulate NERPC Secretariat and other officials for their concerted efforts towards the coordinated and integrated functioning of NER power system. I would also like to thank Meghalaya Energy Corporation Limited (Me.ECL), for hosting this meet at Shillong.

I am given to understand that Lower Subansiri Hydro Electric Project and Kameng Hydro Electric Project undertaken by NHPC and NEEPCO, respectively, are much behind schedule. The delay in commissioning of these Projects will not only result in cost overrun but also delay in Socio-Economic benefit from the Project. These CPSUs, who are considered leaders in the country in terms of establishing large Hydro Electric Project. Should take immediate steps in expediting these projects and act as role model to other organizations of the region to follow them.

I am to mention here that NEEPCO has signed a Power Purchase Agreement (PPA) with Arunachal Pradesh for 200 MW of power for Kameng Hydro Electric Project, and the balance power with Assam Government, in order to get the statutory project clearances. Now distribution of power made by the Government of India, is not in accordance with the Power Purchase Agreement signed. I would, therefore, request NEEPCO to take up the matter with the Ministry of Power Government of India, to allocate power as per the Power Purchase Agreement (PPA) already signed.

For Lower Subansiri Hydro Electric Project, the Central allocation of power for Arunachal Pradesh is only 1.7%, a protest has already been registered with Ministry of Power for such meager allocation to the host state. At one side meager and inadequate allocation of power is made to the North-Eastern States, on the other hand substantial power allocation from these projects has been made to the states of the other region. Therefore, I strongly feel that the Government of India, should involve all the Power Ministers of NER States in the power distribution decision making.

Due to meager allocation of power the state is quite reluctant to sign Power Purchase Agreement at present, however, NHPC authority is requested to submit a draft Power Purchase Agreement (PPA) to the State Government for only to quantum of power allocated to State Government which is 34 MW at present. The issue related to free power incorporated in the draft Power Purchase Agreement may be dropped and may take up the matter with the State Government separately as per Memorandum of Agreement signed for this project.

I could know that the present power problem faced by NER States during off-monsoon is for want of thermal power project addition. This off-monsoon power problem could be dispensed with the early commissioning of projects undertaken by NTPC and OTPC in the region. Hence, the timely commissioning of these thermal projects are the need of the NER States. The project developers are requested to keep the time line of the scheduled date of commissioning.

Going by the National Plan and Programme for hydro capacity addition to improve upon the present thermal-hydro mix ration in the country, Arunachal Pradesh, had allotted for development of Mega Hydro Projects to CPSUs and Private Developers, a total capacity of 38,000 MW (approx.) which when fructify would address power deficit of all the NER States. Now, for evacuation of such magnitude of power from these projects to NER States and beyond is the responsibility of Central Transmission Utilities (CTUs). I, therefore, would like to request PGCIL to develop a comprehensive plan for evacuation of power involving State Transmission Utility and any support required from the State shall be extended.

NER States along with rest of other States are implementing RGGVY scheme with vision to achieve 100% village electrification by 2011 and household electrification by 2012. I am not aware of the progress of other NER States but, for Arunachal Pradesh, given the logistic supports, completion of these schemes would require time extension.

And lastly, I would like to draw the attention of all the Power Minister that Central Electricity Regulatory Commission, has come up with the regulation on “creation of power system development fund” thereby intending to divert NER Reactive Pool fund for utilizing the same at the National level. I am of the opinion that these funds have been contributed by States of NER region and should be utilized for development of NER Region and should, therefore, remain in the administrative control of NERPC.

I am sure the meeting will have meaningful deliberations and the decision of the committee will help in speedy development of the power system in the region. I wish a grand success of the meeting.

THANKING YOU.

ANNEXURE - V

**SPEECH OF SHRI PRADYUT BORDOLOI, HON'BLE MINISTER OF POWER,
GOVERNMENT OF ASSAM ON THE OCCASION OF THE 9TH MEETING OF THE
N.E. REGIONAL POWER COMMITTEE HELD ON
12TH AUGUST, 2010 AT SHILLONG.**

Respected Chairman, my esteemed counterparts from other North-Eastern States, officials of the Central and State Governments, Power Utilities, ladies and gentlemen.

I am indeed very happy to attend this 9th North-Eastern Regional Power Committee for discussing our issues of common interests. Our association in the power sector is deepening with a lot of commonality being evolved in our approach to customers through RAPDRP. With a common Data Centre and Disaster Recovery unit being set up for all the North-Eastern States, we will have more interaction among our utilities. These measures will intensify application of IT in distribution thereby helping consumers in getting state of the art technology interface. I hope that this will also help us in sharing best practices and learn from each other.

All of us in the region are facing demand growth explosion as we try to catch up with the rest of India in terms of economic growth. It appears whatever additional power we get it vanishes in thin air. One of the reasons for this situation is our low power consumption base with very little household electrification in rural areas. With the implementation of RGGVY the demand is further increasing at rapid pace. We have to meet the challenge of providing electricity to the rural areas. If we have a dream of becoming a middle income country in the near future we will have to ensure adequate power supply to rural areas. This calls for a comprehensive strategy encompassing generation, transmission and distribution. Our inter-dependencies play a key role in tackling power shortages with efficient resource planning and implementation. There is immediate need to enhance generation within the region. To my mind, we must have following strategy for this purpose.

A. Ensuring quick capacity addition by removing bottlenecks at the State

level: We in Assam have facilitated development to Bongaigaon 1000 MW project by NTPC and have handed over all land, assets free of charge to NTPC so as to ensure cheaper cost of generation and quick implementation. Part of BTPS power will go to all states. Tripura also has facilitated development of Pallatana project from where all of us will be benefited. Early allocation of sites and clearances by State Governments will help early implementation of the projects. We also need to take care of all the concerns relating to global warming and other environmental pollution besides protecting fragile ecosystem.

B. Ensuring better efficiency from existing generation projects:

We suffer from unscheduled power cuts primarily on account of failure of existing generating units to generate as per schedule because of forced outages. The performance of Kathalguri project needs to be improved in a time bound manner so that the project can generate power to its full capacity and provide relief to the whole region. Maintenance schedules should be fixed following national best practices and strictly adhered to. With the Government of India affecting huge increase in gas prices, the distribution business will suffer a serious jolt. Impact of the gas price hike is highest for our region as we are mostly dependent on gas based generation for meeting the base load. It is in this context that we must aim at very drastic reduction in the Station Heat Rate of existing gas based generation. There is a good case to convert all open cycle plants into combined cycle by replacing existing plants/adding steam turbines. We are planning to convert remaining units of Lakwa Thermal Project in to CCGT besides converting Namrup Thermal into CCGT and adding a steam turbine at Lakwa. NEEPCO must evaluate conversion of Agartala open cycle project taking into account new gas prices.

C. Ensuring equitable Fuel supply agreements:

Fuel supply agreements are grossly in favour of suppliers and most of the risks have been passed on to the purchasers. So far we were getting highly subsidized natural gas and hence the issue was not raised. Now that most of the natural gas is being supplied at market price, there is a need to request the Fuel Supply Agreements so as to enforce supply of contracted amount of gas. We can achieve this if we join hands and make concerted efforts.

Creation of adequate transmission and distribution capacity has to go hand in hand to reach power to the nook and corner of the Region. Power Grid Corporation of India Ltd. was asked by Ministry of DoNER to prepare a perspective transmission and distribution plan for the whole region with a view to remove all bottlenecks. The plan prepared by the PGCIL has been under discussion with Government of India for sometime. Government of India has now posed the proposal to the World Bank. Necessary formalities of concurrence of State Governments as well as debt sustainability certificate from the respective Finance Departments are necessary to be moved ahead. We have requested that intra-state projects within Assam may be allowed to be executed by the Assam Electricity Grid Corporation (AEGCL) as the Corporation has gained sufficient experience of implementing projects funded by the multi-lateral agencies.

Implication of reckless construction of river dams in Arunachal Pradesh:

From the august forum, I would also like to voice the concerns and anxieties of the people of Assam because of numerous dams and big hydel projects being taken up in the upper reaches of the Brahmaputra water system in Arunachal Pradesh. What we are worried is the prevalence of high seismic zone and fragile geological condition of the Assam – Arunachal bordering areas where epicentres of some of the biggest earthquakes of the last century were found to be located. Both the Expert Committee comprising of experts from IIT Guwahati, Guwahati University and Dibrugarh University and the House Committee set up by the Speaker of the Assam Legislative Assembly to study and examine the impact on the downstream areas of Assam due to construction of the big hydel projects in Arunachal Pradesh have submitted their reports. The reports have been forwarded by Government of Assam to all the stakeholders to take palliative measures to mitigate the deleterious downstream effects. EIA studies on Subansiri, Siang, Lohit and other tributaries of Brahmaputra so that “informed-rational” decisions can be taken by policy planners and project implementers.

The need of the hour is to harmoniously blend all the “developmental”, “strategic” and “environmental” issues to promote “sustainable inclusive and participative development”.

THANKING YOU.

ANNEXURE - VI

**SPEECH OF SHRI DOSHEHE Y. SEMA, HON'BLE MINISTER OF POWER,
GOVERNMENT OF NAGALAND ON THE OCCASION OF THE 9TH MEETING OF
THE N.E. REGIONAL POWER COMMITTEE HELD ON
12TH AUGUST, 2010 AT SHILLONG.**

Honorable Chairman NERPC, my counterparts from NE States, officials from Central and State Government, other Utilities, ladies and gentlemen. I am privilege to address this august gathering to discuss various issues confronting the NE States in the power sector.

I have been attending the NERPC meetings on numerous occasions whereby State's specific and regional interest have been focused. The NERPC has been playing a vital role in addressing important and critical issues pertaining to the power system in the NER and on matters where assistance and intervention of GOI are required. But I am sure the NERPC, as the apex forum of power sector in the NER can deliver a lot more.

As the meeting is more of an interactive session, let me dwell on few issues only –

We are all aware that the NER is termed as hydro power house and if the potentials are harnessed, not only the NE region but the country as a whole will be benefited. Therefore, development of these projects should not only be left to the public/private sectors alone who operate on commercial considerations, but also enable the respective states to develop generation projects with adequate assistance from GOI. Further, even in the case of projects funded by MNRE, the benchmarking of cost for sanctioning of project is not practicable. Although the funding is stated to be in the form of 90"10, in reality, the funding by MNRE works out to be less than 50% of the actual project cost which adversely affects the projects implementation. Therefore MNRE must be impressed upon to consider sanction on the basis of the actual project cost and by the existing MW benchmark.

In respect of GOI funded programmes such as RGGVY, RAPDRP, Comprehensive Transmission and Distribution Plan etc. the GOI need to relax the funding guideline in respect of NE States considering the backwardness, poor logistics, limited working season and poor revenue base of the region. In spite of the present funding pattern of 90”10, for state like Nagaland with negligible resource, even the 10% state share cannot be mobilized. This has caused time and cost overrun in almost all the GOI schemes. Therefore, I urge the forum to take up the issue of 100% funding from the GOI for such schemes which aims at infrastructural and socio-economic benefit of the underdeveloped NE States.

I look forward to a fruitful discussion and thank the NERPC and Meghalaya Electricity Corporation Ltd. for the excellent arrangement made for the meeting.

Thank You.

ANNEXURE - VII

**SPEECH OF SHRI MANIK DEY, HON'BLE MINISTER OF POWER,
TRANSPORT, RD (PANCHAYAT), URBAN DEVELOPMENT, FOOD, CIVIL SUPPLY
& CONSUMER AFFAIRS & LABOUR, GOVERNMENT OF TRIPURA ON THE
OCCASION OF THE 9TH MEETING OF THE N.E. REGIONAL POWER
COMMITTEE HELD ON 12TH AUGUST, 2010 AT SHILLONG.**

Hon'ble Power Minister of Meghalaya and Chairman of NERPC.

Hon'ble Power Ministers of North Eastern States, Officers of State Power Departments/State Power Utilities, Central Power Utilities, Senior Officers of Central and State Governments, Distinguished Guests & Special invitees, Ladies and Gentlemen.

I feel greatly privileged for being able to participate in today's **9th NERPC** meeting at Shillong. I would like to put across my sincere thanks and appreciations to the Meghalaya Energy Corporation Limited for organizing and making excellent arrangements for the meeting.

We have a great task of providing power to each and every citizen of this region at an affordable price as declared under the National Electricity Policy i.e. **"Power for all by 2010"**. In pursuing to achieve this avowed objective, we all know that NERPC is putting every effort relentlessly since formation.

I considered today's deliberation as an opportunity for sharing our common issues of concern towards harmonious development of the NER Power System in the light of declared objective as well as its reliable, efficient operation and management.

In view of accomplishing the above task, we need to seriously address the following issues:

- We all are aware of the fact that NER continues to face shortage of power in spite of enormous generation potential. Moreover, continuous increase in demand in the region aggravated the situation further where meeting the base load has become a challenge. We understand that immediate commissioning of the Central Sector Generation

Projects like Pallatana GBPP (726.6 MW), Bongaigaon TPS (750 MW), Subansiri Lower HEP (2000 MW) and Kameng HEP (600 MW) those are in the pipeline since long can provide us the desired relief. We have been discussing various issues pertaining to speedy implementation of above projects in earlier meetings also but it seems that the progress could not attain the desired level as was expected. I would like to urge upon the authorities and agencies involved to kindly expedite the work so that the declared commissioning schedule is maintained.

- In case of Monarchak GBPP (104 MW), PIB has already approved the revised cost of Rs.623.44 crores. NEEPCO was also authorized to award the EPC Contract to BHEL pending decision of CCEA of RCE, I would like to request NEEPCO to take immediate steps to expedite all the necessary clearances and start the project implementation work without any further delay.
- Limitation of Inter-state Transmission Network is another major issue of concern that is being faced by this Region since long. In spite of Ministry of Power's various initiatives from time to time, there have not been adequate improvements matching the requirement; it seems that innumerable delays in implementation of Regional Transmission Systems Improvement Schemes are significantly contributing to perpetual shortage of power being faced by the NER utilities.

While on the subject, I would like to stress upon the following NER Grid oriented issues which are of great importance in meeting the requirements and availability of the transmission systems of this region:

- i.) Timely Commissioning of the 400 mV Double Circuit Pallatana – Bongaigaon via Silchar Transmission Line under the ATS of Pallatana and Bongaigaon by NETC.
- ii.) It is understood that PGCIL has already taken up NER Transmission Scheme for evacuation of power from Pallatana and Bongaigaon Projects. The commissioning of the above schemes should match with the time schedule of respective projects.

- iii.) Apart from the above, NER Comprehensive Scheme for strengthening, renovation and up-gradation of NER State Transmission System and Sub-transmission Systems has also been taken up by PGCIL. Accordingly, the DPR has been prepared by PGCIL for which funding was to be made by Ministry of DoNER. However, it was decided that the above scheme will be executed through funding from the World Bank at 90:10 (Grant:Loan) basis. I would like to request all concerned to expedite the process so that the scheme is implemented without any further delay.
- iv.) Construction of 2nd Circuit of 132 kV Transmission Line from Kopili – Khandong under the Missing Link Scheme towards removal of long pending 132 kV Transmission bottleneck prevailing for the part of South Assam, Tripura and Mizoram by PGCIL is getting delayed innumerable. Due to this severe Peak power crisis continues to be witnessed by Tripura, Mizoram, Manipur and Assam and other adjoining areas drawing power from this 132 kV pocket. Further, continuously increasing demand of this sector is leading peak demand management to an almost unmanageable situation. In view of the above, I would like to insist on PGCIL for early completion of the scheme.
- Ministry of Petroleum & Natural Gas, Government of India had recently enhanced APM price of natural gas from Rs.2112.00 per 1000 SCM to Rs.4580.00 per 100 SCM including 10% Royalty Charges to be effective from 01-06-2010. With the addition of 12-5% VAT, the revised price comes to 5153.00 per 1000 SCM. This is going to substantially raise the per unit cost of power generated from the Gas Thermal project like AGBPP of R.C. Nagar of this Region apart from State owned generating units like Baramura GTP and Rokhia GTP of Tripura. This increase in gas price shall force a steep rise in per unit cost of power supplied to Manipur and Mizoram from Baramura Projects of Tripura apart from people of Tripura in general. As a result, the very objective of providing power to the people of this region at affordable cost shall be defeated.

We have been urging the Central Government to continue concessional APM pricing for gas especially for power generation and production of fertilizer for some more time in this region. This was aimed at supporting the North-Eastern region towards building up of required infrastructure to enable this region to catch up with the mainland. But, unfortunately, Ministry of Petroleum & Gas, Government of India, has already enhanced the APM Price of the natural Gas more than double the existing price. Hence, I would like to request NERPC forum to form a delegation comprising of all NER Power Ministers to meet the Hon'ble Prime Minister & Petroleum Minister, Govt. of India, to provide further relief in the greater interest of the Region.

- I am informed that there is a move to introduce a regulation called “Congestion Charge Regulations – 2009”. It is our feeling that unless the existing Inter-state Transmission constraints are removed, implementation of this kind of Regulations in NER, will badly impact the financial health of state utility like Tripura, Assam, Manipur and Meghalaya drawing power from 132 kV pocket having severe transmission constraints since long. I would like to urge upon this Forum to take up this matter with the CERC to defer the implementation of this regulation in NER till such time the inter-state transmission constraints are removed.
- I am also informed that a regulation called “Power System Development Fund Regulation – 2-1-“ has been issued on 4th June, 2010 and became effective w.e.f. 7th June, 2010 for managing amount collected from various existing regulatory funds. It is observed that the regulation mandates the PSDF to be maintained and operated by a Managing Committee to be appointed by the Central Commission comprising members from various organizations including representatives from all the RPCs. This calls for framing guidelines/modalities for selecting representatives from NERPC also. In this connection I would like to suggest that representation from the beneficiary States in the proposed “Managing Committee for PSDF” may be considered to ventilate needs of NER.

- Indian Electricity Grid Code – 2010 and Unscheduled Interchange Regulations – 2010 are effective in NER w.e.f. 03-05-2010. The present UI regulation mandates imposition of financial penalties on the Beneficiary States on forced Under Drawal as well as for any over drawal from the grid. On the other hand, generating stations particularly the Hydro Units are provided with the facility for rescheduling of generations in response to real time grid frequency. This operational flexibility allowed to Hydro generators to respond to changes in grid frequency is forcing the beneficiary States liable for under-drawal and over-drawal and is adversely affecting the interest of NER Beneficiary States. The above leads to imposition of huge financial burden on the beneficiary States like paying of additional UI charges for the under-drawal for no fault of beneficiary States, in addition to paying of capacity charges to the generators for the power not received. Hence, it is resulting in a conflict of interest between the CPSUs and Beneficiary Utilities and continuation of such conflict of interest shall make the beneficiary utilities of this region economically unsustainable in future.

- Another important issue that I would like to highlight here is the frequent raising of huge arrear bills by CPSUs. We all know that under the ABT regime all charges of CPSUs like generation, transmission and system operations including associated activities are borne by the beneficiary States. Hence, it is the State Utilities which ultimately generates all the resources that are required to run and operate the country's power systems. Under the above circumstances, rising of huge past arrear bills by CPSUs is forcing the state utilities to continuously reel under huge financial crisis in making these payments as these past arrear amounts are not recoverable from its consumers. As a result, State utilities are compelled to absorb these arrear amounts. This kind of substantial non-recoverable financial burden is endangering Utility's financial health thereby threatening the very survival. With the above, I would like to stress upon this forum to look into this matter seriously and also request to take up the issue with

CERC, if required in the interest of ensuring the survival of State Utilities.

- While concluding I would once again like to thank all of you. I am confident that today's deliberations would lead to certain valuable as well as actionable outcomes.

Thank you.

ANNEXURE – VIII

**SPEECH OF SHRI LAL THANZARA, HON'BLE PARLIAMENTARY
SECRETARY (POWER & ELECTRICITY), MIZORAM ON THE OCCASION OF THE
9TH MEETING OF THE N.E. REGIONAL POWER COMMITTEE HELD ON 12TH
AUGUST, 2010 AT SHILLONG.**

Respected Chairman, Hon'ble Power Ministers of North Eastern States and Officials from NE States and Central Utilities, ladies and gentlemen.

Let me first of all express my gratitude for this opportunity to attend the 9th NERPC meeting and congratulate the host state and NERPC Secretariat for arranging it. I would like to highlight some important issues relating to my State which I hope will be addressed in today's meeting.

Fortunately, monsoon this year has been good and we expect better power supply situation but our hopes stand belied. Mizoram continues to suffer chronic power shortages disrupting everyday routine in thousands of hours. Our peak power demand has reached 100 MW. In meeting this demand we are very much dependent on our share in Central Sector Projects. Our share is only 65 MW against which on an average we receive only 30 – 40 MW. As such, the allocation from the existing Central Sector Generating Stations for Mizoram needs upward revision.

It is observed that the MOP, Govt. of India, while deciding the allocation of power for Mizoram have taken 22.92 MW Bairabi Thermal Plant as 'Available Firm Power'. However, Bairabi Thermal Plant is mostly out of operation due to high cost of furnace oil and fund constraint for purchase of fuel. This Thermal Plant, therefore, cannot be utilized as a based load and is being constantly kept in stand-by mode. I would like to request this forum to request the Ministry of Power, Govt. of India to revise the existing allocation of power for Mizoram excluding Bairabi Thermal Plant as available firm power as the operation cost is too heavy. I hope the upward revision of power allocation for Mizoram will remove the hardship faced by Mizoram.

Due to prolonged delay in the commissioning of 132 kV Kopili-Khandong 2nd circuit, the affected member states within the 132 kV Pocket of NER are still forced to restrict their power drawal and has to resort to heavy load reduction. Mizoram has been compelled to reduce power drawal sometimes even when power generation is adequate and the Grid frequency is around 50.5 Hz resulting in severe load shedding. This problem has been taken up in various NERPC meetings in the past. In the 50th OCC meeting held at Shillong in the month of May 2010, it was reported that the line is expected to be commissioned in August, 2010. I request PGCIL to complete and commission the line by this schedule.

During the 8th NERPC meeting on 11-1-2010, representatives from Manipur informed that the construction of 132 kV Loktak-Jiribam Circuit-I is in progress and out of 82 km about 60 km line has been completed and the work on the remaining portion of the line would be completed soon. Again during 49th OCC meeting, Manipur representative informed that the work of remaining portion (22 km.) Loktak – Jiribam Ckt. – I was under progress and expected the line to be put in service soon. Present position needs to be reviewed.

The money available in Reactive pool account of NER maintained by NERLDC was been gainfully used for various purposes related to power sector of NER. Foreign Training of NER Power Engineers, policy makers and one day seminar conducted by NERLDC at all NER State Capitals utilizing Reactive pool account fund had been very useful for the Region as a whole. Now, after the Power System Development Fund (PSDF) regulation of CERC, all these money are likely to be transferred to the new Power System Development Fund. I would urge upon NERPC and NERLDC who would be members for managing the fund to continue to utilize the amount available in the fund for benefit of NER constituents as has been practiced earlier.

It was reported in the last NERPC meeting that Rokhia Unit V & VI have been out of operation since 31-1-2007 and 16-9-2006 respectively due to machine problem. Mizoram has been deprived of its due share from this NEC Funded project for such a long time. TSECL stated that the delay in putting the machines back in operation is due to non-procurement of spare parts. Although this matter is bilateral issue, it is felt that this forum may intervene to enable Mizoram to benefit from Rokhia – II alternatively by displacement of 8 MW from the Tripura share of Central Sector Power.

As regards capacity addition, Tuirial HEP – 60 MW which met a stumbling block due to various reasons is now cleared by PIB for resumption of execution work. Tuivai HEP (210 MW) has also been taken up as a pilot project to be executed on PPP mode for which CRISIL, Mumbai was appointed by Ministry of Finance through the Department of Economic Affairs. CRISIL is expected to submit its report for award of work soon. Besides, MOA was signed with NTPC on 22nd December, 2008 for the construction of Kolodyne Phase – II HEP (460 MW) and completion in 61/2 years. MOAs have also been signed with NEEPCO on 26th March, 2010 for investigation, preparation of DPRs and subsequent execution of Chhimtuipui HEP (653 MW), Lungreng HEP (815 MW) and Mat HEP (76 MW) and good progress of work is expected with the help of a strong Government at the Centre.

I have only touched upon some of the issues; there are others items and vital issues on the Agenda. I am sure the issues raised by me and other colleagues will be discussed and taken note of by the Meeting. It is only through joint efforts that we can face the challenges and ensure desired growth in Power Sector facilitating growth in other sectors as well.

JAI HIND.

ANNEXURE - IX

**SPEECH OF Er. A.T. MONDAL, HON'BLE MINISTER OF POWER, GOVT.
OF MEGHALAYA & CHAIRMAN, NERPC ON THE OCCASION OF THE 9TH
MEETING OF THE N.E. REGIONAL POWER COMMITTEE HELD ON 12TH
AUGUST, 2010 AT SHILLONG.**

My dear friends and counterparts from North Eastern States, Officials of the Central and the State Governments as well as other Central and State Organisations, distinguished guests, ladies and gentlemen and friends from the media.

At the outset, I would like to extend a warm welcome to all the participants of the 9th NERPC meeting being held at the beautiful capital city of our State.

I hope all the delegates are having a comfortable stay in Shillong. I am sure that the deliberations at these meetings will benefit all the NER States and the country in general.

At present the major problems of the Power Industry in NER are, inter alia, inadequate generating capacity, the skewed thermal: hydro mix of the presently available generating capacity, transmission constraints mainly due to inadequacy of transmission network in the regional, inter-state and intra-state system and due to non-existence of vital transmission links and long outage of important elements in the network. It is heartening to note that progress have been made in the execution of the ongoing hydro and thermal Projects in NER by Central Sector and other agencies. The timely commissioning of these Projects along with the strengthening of the transmission systems would certainly transform the power scenario in the region and usher in a new era in the economic development of the NER states. This forum should take up with the Government of India to expedite the arrangement for funding of the transmission Projects on suitable pattern. As regards to prolonged outage of vital transmission lines and "Missing Link", I take this opportunity to sincerely request the concerned agencies/ constituents to take necessary action to re-commission/ completion of those lines on priority basis for the benefit of the region as a whole.

It is pertinent to state that whereas the execution of new projects and transmission system are of extreme importance and have to be closely monitored, optimum utilization of the existing available operation and transmission capacity are equally important. It is, therefore, imperative that sincere efforts towards reduction of machine and line outages as laid down in IEGC and other guidelines may be made with a view to avoid wastage of available resources which is not only a loss to the concerned generating agency and the beneficiaries but also tantamount to national loss.

I may also like to mention and add that up-gradation of SLDCs in the States of Assam, Meghalaya & Tripura with latest state of the art & setting up of full fledged SLDCs in the remaining four States of NER is the most important and need of the hour as notified by CERC. With CERC giving new regulations very often for maintaining grid discipline; demand management, load forecasting, selling & buying of power etc. would be very difficult unless SLDCs are functioning. Recently, in spite of objections raised by NER constituents, congestion charge has been introduced which would put most of the NER States in a commercially disadvantageous position in view of the drawbacks caused by prevailing constraints in the regional, inter-state and intra-state transmission network. I strongly feel that new regulations should be implemented only after proper assessment of the ground realities and it is not fair that they be at the expense of small states.

It is also to mention that Sikkim is now a constituent State of NEC and therefore all funds earmarked for development of NE Region through NEC would go to Sikkim also. Therefore, the infrastructure developed from its newly commissioned of innumerable hydro projects in Sikkim should have a share to NER also instead of selling the surplus power to ER and other regions of India.

NER is endowed with abundant resources for development of power. Unfortunately, most of these resources remain untapped. However, of late, NER states have taken the initiatives towards addition of generating capacity in their respective states either by themselves or by facilitating the setting up of generating plants by other agencies. In this regard, Meghalaya is making sincere efforts towards addition of generating capacity improvement of inter-state and intra-state

connectivity, implementation of various schemes initiated by Government of India like APDRP and RGGVY with the ultimate objective of providing electricity for all by 2012. The execution of Myntdu Leshka HEP – I (3x42 MW), New Umtru HEP (2x20 MW) and 132 kV Agia-Nangalbibra line are in full swing. The commissioning 220 kV Misa-Byrnihat is expected soon, and the construction of LILO of 400 kV Pallatana – Bongaigaon line at Byrnihat along with 440/220 kV Sub-Station is under process. The setting up of thermal projects and other hydro projects is under active consideration of the State Government in line with the objective of the State Power Policy with a view to improve the power scenario and mitigate the suffering of our esteemed general and industrial consumers due to load shedding during off monsoon period. Besides, we are also encouraging setting up of Captive Power Plants (CPPs) in the State. There are around 8 (eight) CPPs under execution and 3 (three) are already commissioned. I am also happy to inform that the 1.5 MW Sonapani Mini HEP which was commissioned in 1922 to feed power supply to Shillong city has been recently revived and re-commissioned as a heritage project.

After the enactment of the Electricity Act, 2003, a number of changes have been introduced in the power sector which gives rise to new challenges and opportunities. In this regard mention may be made of the de-licensing of generation, open access in transmission and distribution, recognition of power trading as a distinct activity, encouragement of captive plants, functioning of regulatory commissions at the Central and State level, ambitious plans for capacity addition in generation, incentives and disincentive for maintaining grid discipline, decentralized management of distribution through franchisees and others, provision for private transmission licensees, with the aim to make power available at reasonable rates. Under the competitive environment, however, it has become increasingly difficult for small and weak stakeholders to survive. In this connection, it may be mentioned that serious actions have been taken by concerned agencies with a view to improve the power system in the country and enforcing grid discipline.

Under the existing scenario, the role of NERPC as a co-coordinating agency for the integrated operation of power system and other assigned activities need no further emphasis. I am happy to note that this organization has been playing pivotal role for improvement of power system in NER. Further, the efforts of NERPC on matters, relating to training of personnel in power sector in India & abroad in

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order to equip them with knowledge on the latest technological advancement is indeed, laudable. I felt that such training programmes should be more & frequent.

At the end I extend my special thanks to the organizers of the meeting namely, the NERPC and Me.ECL who have taken pain to arrange and host this meeting. Let us strive to overcome all shortcomings and work together in a cordial manner towards achievement of the desired goal.

Jai Hind!

ANNEXURE - X

**SPEECH OF SHRI PHUNGZATHANG TONSING, HON'BLE MINISTER OF
POWER, GOVERNMENT OF MANIPUR ON THE OCCASION OF THE 9TH
MEETING OF THE N.E. REGIONAL POWER COMMITTEE HELD ON
12TH AUGUST, 2010 AT SHILLONG.**

Hon'ble Chairman, NERP Committee, colleagues from the North-Eastern States, Board Members, Central and State Government officials and distinguished guests, ladies and gentlemen. It is a great privilege for me to be present in the 9th Meeting of the North-Eastern Regional Power Committee and say a few words.

I also like to take this opportunity to express my sincere thanks to the organizers for bringing us together to exchange our views to sort out specific problems. I am sure, the deliberations on various issues will be helpful in solving the infrastructure constraints, poor transmission and sub-transmission system, inadequate distribution network and problems in generation projects.

The power scenario in the region during the last three-four years was not very encouraging. Much against our desire of increasing the installed capacity in the region the total installed capacity had gone down. Gross energy generation had also decreased substantially from 8968.97 MU during 2008-09 to 7925.36 MU during 2009-10. This had led to importing energy from ER to the tune of 676.45 MU during 2009-10.

Our hope of improving the power scenario in the near future lies in the commissioning of the generation projects at Pallatana and Boangaigaon. These projects will definitely improve the much needed base load, the thermal-hydel mix and bring a welcome change in the region during dry seasons. In view of this, I do hop that the Central Sector Generating Utilities will put in their best efforts for early commissioning of Subansiri HEP (2000 MW), Bongaigaon (750 MW) and Pallatana (740 MW).

The transmission system associated with Pallatana and Bongaigaon generation projects is another sector where priority needs to be given so that the system is ready in time for evacuation of energy as soon as the projects are commissioned. Silchar – Imphal 400 kV D/C line (initially operated at 132 kV) is vital for drawing Manipur's share from Pallatana and Boangaigaon generation

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projects. This line will terminate at Imphal (New) 132/33 kV Sub-Station to be constructed adjacent to the existing Imphal 132 kV PGC Sub-Station.

Another important area where I wish to draw attention of the committee is the problem in evacuation of power from Kopili – Khandong HEP due to the delay in the construction of 2nd circuit of 132 kV Kopili – Khandong line. I hope that the line is completed early so that power crisis during peak power period is lessened to a great extent.

CERC has issued 'Power Congestion Charge Regulation, 2009'. The Regulation will cause heavy financial burden because of congestion charges and wheeling charges in excess of UI Charges. Smaller States in the region drawing power from 132 kV pocket will be badly affected if the Regulation is implemented. I request the forum to make a plea before CERC to defer implementation of the Regulation in NER.

Another Regulation that needs to be examined is the new UI Regulation declared by CERC. This Regulation effective from May 2010 has put restrictions on trading through UI by under-drawal by beneficiary States. Since Ranganadi Hydro Electric Plant (RHEP), the biggest hydro station, is Run of River (RoR), its generation schedule changes frequently. Similar is the case with other HEPs intra-day trading has posed a big problem. The new UI Regulation if implemented in its true spirit will affect NER States commercially. CERC may be requested to review the new UI Regulation.

Government of India (GOI) has enhanced Administered Price Mechanism (APM) gas. This will result in sudden jump in per unit cost of power generated from gas thermal plants in the region. My State will have to buy power Baramura & Rokia GTP at a very high cost per unit defeating the objective of providing power to the people at affordable cost. AGBPP of Kathalguri and AGTPP of R.C. Nagar, new Generating Stations coming in the region will be badly affected by the increase in APM gas. In the greater interest of the region, the forum may move the appropriate agency of GOI for giving some relief to the region.

With these few words I extend my warm wishes to all the participants here and once again thank the organizers for the excellent arrangement made for this meeting.

Jai Hind.