



सत्यमेव जयते

Government of India  
Ministry of Power  
North Eastern Regional Power Committee  
Meghalaya State Housing Finance Co-Operative Society Ltd.  
Building  
Nongrim Hills, Shillong – 793003.



ISO 9001:2008

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No. NERPC/AS/Committee/2011/3417-87

Date: 12<sup>th</sup> December, 2011

**CORRIGENDUM**

To,

1. Hon'ble Chief Minister & Minister of Power, Govt. of Mizoram, Aizawl - 796 001
2. Hon'ble Chief Minister & 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. Principal Secretary (Power), Govt. of Assam, Dispur, Guwahati - 781 006
10. Principal Secretary (Power), Govt. of Manipur, Imphal - 795001
11. Principal Secretary (Power), Govt. of Meghalaya, Shillong - 793001
12. Secretary (Power), Govt. of Mizoram, Aizawl - 796001
13. Principal Secretary (Power), Govt. of Nagaland, Kohima - 797001
14. Principal 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, 3<sup>rd</sup> 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 12<sup>th</sup> TCC & 12<sup>th</sup> NER Power Committee Meetings held at Amritsar.**

Please refer to our earlier Minutes of 12<sup>th</sup> TCC & 12<sup>th</sup> NERPC meetings issued vide Letter No: NERPC/AS/Committee/2011/3254-322 dated 05.12.2011. The **revised minutes** of the 12<sup>th</sup> TCC & 12<sup>th</sup> NERPC meetings held on 14<sup>th</sup> & 15<sup>th</sup> November, at Amritsar is enclosed herewith for your kind information and necessary action. The revised minutes are also available on the website of NERPC, [www.nerpc.nic.in](http://www.nerpc.nic.in).

Yours faithfully,

(P.D. Siwal)

Member Secretary I/C

Copy for kind information to:-

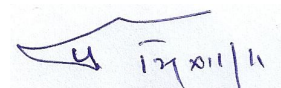
1. PS to Chairman, NERPC and Hon'ble Minister of Power, Govt. of Meghalaya, Shillong – 1
2. PS to TCC Chairman, NERPC & Engineer-in-Chief, P&E Dept., Govt. of Mizoram, Aizawl - 1

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. Director (Distribution), Me. ECL, Lumjingshai, Shillong - 2
5. Executive Director, NERTS, PGCIL, Lapalang, Shillong - 793006
6. Executive Director (Comml.), NEEPCO Ltd., Lower New Colony, Shillong-793003.
7. Executive Director (O&M), NEEPCO Ltd., Lower New Colony, Shillong-793003.
8. Executive Director (Comml.), NHPC, NHPC Office Complex, Faridabad-121003.
9. Executive Director (O&M), NHPC, NHPC Office Complex, Faridabad-121003.
10. AGM, NERLDC, Lapalang, Shillong - 793006
11. GM (O&M), NERTS, POWERGRID, Lapalang, Shillong – 793006
12. Chief Engineer (GM), CEA, 6<sup>th</sup> Floor, Sewa Bhawan, R.K.Puram New Delhi-110066.
13. CGM (LDC), SLDC Complex AEGCL, Kahelipara, Guwahati-781019.
14. Chief Engineer (E Zone), Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111.
15. Chief Engineer (W Zone), Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111.
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 Bhavan, 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.J.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, 1<sup>st</sup> 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, 1<sup>st</sup> Floor, Corporation Tower, AMBIS Mall Complex, NH-8, Gurgaon – 122001.



02/03/2011 / Member Secretary I/C

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**Summary Record of Discussions**

**12<sup>th</sup> Technical Coordination Committee**

**&**

**12<sup>th</sup> North Eastern Regional Power Committee Meeting**

The 12<sup>th</sup> TCC meeting was held on 14<sup>th</sup> November, 2011 at "M. K. Hotel," Amritsar, Punjab. The meeting was hosted by National Thermal Power Corporation (NTPC) Ltd.

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

**Proceedings of the 12<sup>th</sup> TCC meeting**

The meeting started with the bouquets presentations to all delegates followed by lighting of lamps by Sh. C. L. Thangliana, TCC Chairman & Engineer-in-Chief Dept. of Power, Govt. of Mizoram, Sh. P.D. Siwal, Member Secretary I/C, NERPC, Sh. P.K. Singha, Executive Director (O&M), NEEPCO, Sh. T.S. Singh, Additional General Manager, NERLDC and Sh. J. Nanda, RED (East-II), NTPC. Shri J. Nanda, Regional Executive Director (RED), East-II in his address welcomed all TCC members of NER Power Committee and said that NTPC Ltd. was honoured by the opportunity provided to them by the NER Power Committee to host the 12<sup>th</sup> TCC & RPC meetings of NERPC at Amritsar. He wished all the participants a pleasant stay. He requested all the participants to participate in the discussion so that the meeting bears a fruitful outcome.

Thereafter, Shri C.L. Thangliana, TCC Chairman & Engineer-in-Chief, Dept. of Power, Govt. of Mizoram gave his welcome address.

Shri P. D. Siwal, Member Secretary I/C, NERPC on behalf of NERPC welcomed all the TCC members and the participants to the 12<sup>th</sup> TCC meeting of NERPC. He thanked the officers of NTPC Ltd. for making excellent arrangements for comfortable stay of the members and participants of the meeting. Thereafter, agenda items were then taken up with the permission of Chairman, TCC.

The TCC meeting was concluded with the vote of thanks by Shri S. K. Kar, AGM, NTPC Ltd.

**Proceedings of the**

**12<sup>th</sup> North Eastern Regional Power Committee Meeting**

The 12<sup>th</sup> NERPC meeting was held on 15<sup>th</sup> November, 2011 at "M.K. Hotel," Amritsar. The meeting was hosted by National Thermal Power Corporation (NTPC).

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

The meeting commence with the bouquets presentations to dignitaries 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, Sh. D. Y. Sema, Hon'ble Power Minister, Govt. of Nagaland, Shri Lal Thanzara, Hon'ble Parliamentary Secretary, Govt. of Mizoram, Shri K. K. Agrawal, Member (GO&D), CEA, Shri P. D. Siwal, Member Secretary I/C, NERPC & Shri I. J. Kapoor, Director (Comml.), NTPC Ltd.

Members of NERPC expressed deep shock on untimely demise of Padmshree Dr. Bhupen Hazarika, musician, singer, poet, composer and film-maker from Assam. As a mark of respect in the memory of Dr. Hazarika two minutes silence was observed. Chairman, NERPC in his condolence message recalled that Dr. Bhupen Hazarika sings in numerous languages and writes his lyrics and poems in his home language, Assamese. Bhupen Hazarika has rightly been hailed as India's Cultural Ambassador abroad for placing the folk music of Eastern India on the map of world folk music. Dr. Bhupen Hazarika was born in 1926, in Sadiya, Assam. An extremely academically prolific person, he did his Inter (Arts) in Guwahati in 1942, and went on to Banaras Hindu University to complete his B.A. in 1944 and his M.A. in Political Science in 1946. Hazarika showed signs of early musical genius even before he started singing on All India Radio in 1937, at the age of eleven. As a young adult, he swiftly made his mark as singer and composer. He has produced and directed, composed music and sang for the Assamese language films 'Era Batar Sur' in 1956, 'Shakuntala' in 1960, 'Pratidhwani' in 1964, 'Lotighoti' in 1967, 'Chick Mick Bijuli' in 1971, 'Mon Projapati' in 1978, 'Swikarokti' in 1986, 'Siraj' in 1988. He also directed, composed music and sang for 'Mahut Bandhure' in 1958. He produced, directed, and composed music for Arunachal Pradesh's first Hindi feature

film in colour 'Mera Dharam Meri Maa' in 1977. He directed a colour documentary for the Arunachal Pradesh Government on Tribal folk songs and dances entitled 'For Whom The Sun Shines' in 1974. He has won the President's National Award for the best film maker thrice: for 'Shakuntala', 'Pratidhwani', and 'Loti Ghoti' in 1960, 1964 and 1967 respectively. He won the Arunachal Pradesh Government's Gold Medal in 1977 for his outstanding contribution towards Tribal Welfare, and upliftment of Tribal Culture through cinema and music. He also won the National Award as best music composer in India in 1977 for the Assamese film 'Chameli Memsaab'. Finally, Chairman, NERPC concluded that his demise is irreplaceable in this country.

The meeting resumed with the welcome address by Shri I. J. Kapoor, Director (Comml.), NTPC Ltd followed by speech of hon'ble Power Ministers.

Hon'ble Power Minister, Govt. of Meghalaya & Chairman NERPC requested Shri Lal Thanzara, hon'ble Parliamentary Secretary (Power), Govt. of Mizoram to give his address.

Shri Lal Thanzara in his address stated that in regards to the system reliability within the 132 KV pocket, the restoration of the 132 KV Loktak- Jiribam Circuit-I is very important. If it is not for the effort made by POWERGRID to maintain the 132 kV Loktak-Jiribam line Circuit - II during these years, it would not be possible to meet the load demand within the 132KV pocket and especially to Mizoram. He requested the Govt. of Manipur to take an active initiative for completion of the remaining 39 Km beyond the Rengpang S/S at the earliest.

He stressed that Commissioning of tie-line between New Melriat (PG) and - Melriat (Mizoram) also need to relook by POWERGRID as Mizoram will not be able to draw 70 MVA power from the new Melriat (PG), therefore the line should be constructed at 132 KV level along with associated sub-station at Melriat (Mizoram). He also emphasize on POWERGRID to include an additional requirement of 60 KM for Mizoram in the DPR of OPGW Based Communication System for the benefit of communication system to link between Inter-state transmission system and the state's sub-stations. The full text of speech of Hon'ble Parliamentary Secretary (Power), Govt. of Mizoram is enclosed at **Annexure - III**.

Hon'ble Power Minister, Govt. of Meghalaya & Chairman NERPC requested Shri D. Y. Sema, hon'ble Power Minister, Govt. of Nagaland to deliver his speech.

Shri Sema in his address stated that the NE 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. 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. The full text of speech of Hon'ble Power Minister, Govt. of Nagaland is enclosed at **Annexure – IV**.

Hon'ble Power Minister, Govt. of Meghalaya & Chairman NERPC requested Shri Pradyut Bordoloi, hon'ble Power Minister, Govt. of Assam to deliver his speech.

Shri Bordoloi in his speech stated that in the last couple of months the entire region faced challenges of maintaining the power supply position due to severely reduced hydro-generation. Lack of rains coupled with rising temperature has further compounded the problem. In Assam, peak hour shortages is to the tune of 300 to 350 MW. He urged upon the utilities operating thermal plants in the region to gear up their generations and ensure maximum possible generation, for example Kathalguri, the largest gas based station of the region with an installed capacity of 291 MW has not been able to generate to its optimum level even in the peak load hours. Further, he highlighted on the following points:

- AEGCL has already built the infrastructure for evacuation of power from Kurichhu Power Project in Bhutan, at 132 KV Rangia GSS of AEGCL; He requested the Authority to allocate Assam's share of power from this project.
- To remove bottleneck in north bank, the only need is to construct a second circuit of 132KV Ranganadi-Nirjuli line. If this is done then this will not only

help the North bank and Arunachal Pradesh to get rid of the constraint but will also provide a redundant inter regional link from Ranganadi to NE region.

- The NERPC members should also raise a demand to utilize the Power System Development Fund (PSDF) accumulated in the hands of CERC for implementing this kind of special scheme for this region.

The full text of speech of Hon'ble Power Minister, Govt. of Assam is enclosed at **Annexure - V.**

Hon'ble Power Minister, Govt. of Meghalaya & Chairman NERPC stated that NE Region is endowed with abundant resources for development of power especially hydro potential. Unfortunately, most of these resources remain untapped. However, of late, NE states have taken the initiatives towards addition of generation 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 R-APDRP and RGGVY with the ultimate objective of providing electricity for all by 2012. Construction of new Umtru HEP (2x20 MW), Ganol HEP (3x7.5MW) and 132 kV Agia-Nangalbibra and 132 kV Sumer-Mawngap lines and sub stations by MeECL are in full swing. Priority will be given to ensure that the construction of LILO of 400 kV Pallatana-Bongaigaon line along with 400/220 kV Sub-Station at Byrnihat is completed at the earliest. He requested his counterpart from Assam to put all efforts for completion of the designated LILO lines and substations, so that full utilization of power from forthcoming projects is tapped in the interest of all the Beneficiaries in the NE Region.

He also informed about action taken by him on the following issues:

- i) **PSDF fund:** He has taken up the matter with Union Power Minister, Govt. of India to intervene into the matter so that PSDF can be utilized by the respective RPCs.

- ii) **Security for Loktak-Jiribam line:** He has taken up with Hon'ble Chief Minister, Govt. of Manipur for providing security to POWERGRID during maintenance of Loktak-Jiribam line-II.
  
- iii) **Inclusion of Sikkim in NERPC:** The issue has been taken up with Union Power Minister, Govt. of India as well as Chief Minister, Govt. of Sikkim for suitable amendments in the resolution dated the 25th May 2005 constituting NERPC and ERPC.

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

The speeches by Shri Phungzathang Tonsing, Hon'ble Minister of Power, Govt. of Manipur and Shri Manik Dey, Hon'ble Power Minister, Govt. of Tripura were taken as read and the same were enclosed at **Annexure – VII and VIII** respectively.

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

<b>Record Notes of Discussions</b> <b>of the 12<sup>th</sup> TCC &amp; 12<sup>th</sup> North Eastern Regional Power Committee Meeting(s)</b>
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<b>ITEM NO. 1</b>	<b>CONFIRMATION OF THE MINUTES OF 11TH TCC &amp; 11TH NERPC MEETINGS HELD ON 05.05.2011 &amp; 06.05.2011 AT KOLKATA AND SPECIAL TCC MEETING HELD ON 05.08.2011 AT TRIPURA.</b>
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The minutes of the 11th TCC and 11th North Eastern Regional Power Committee (NER Power Committee) meetings held on 05.05.2011 & 06.05.2011 respectively at Kolkata were circulated vide letter no. NERPC/AS/Committee/2011/1064-1134 dated 23.05.2011. The minutes of the Special TCC meeting held on 05.08.2011 at Tripura was circulated vide letter no. NERPC/AS/Committee/2011/2673-725 dated 16.08.2011. No comments or observations were received from any constituents.

**Deliberation of the TCC:**

TCC confirmed the minutes of 11<sup>th</sup> TCC/RPC meetings and Special TCC meeting held on 05.08.2011 at Tripura.

**Deliberation of the RPC**

***The RPC confirmed the minutes of 11<sup>th</sup> NERPC meeting.***

<b>PART-A</b>	<b>"FOLLOW - UP" ON DECISIONS IN THE PREVIOUS (11<sup>TH</sup>) NERPC MEETING.</b>
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Status on follow up of the decisions of the 11<sup>th</sup> NERPC meeting is as discussed below:

ITEM NO. A.1	<b>SPECIAL PROTECTION SCHEME FOR NORTH EASTERN REGION:</b>
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During the 10th RPC meeting, Member Secretary requested POWERGRID to test the existing equipment within a month and report in the OCC meeting. It was decided that progress shall be monitored in OCC meetings.

The item has been followed up in OCC meetings and during the 61st OCC meeting held at Guwahati on 08.04.2011, POWERGRID informed that they had visited the site on 14.03.2011 and tested the existing PLCC panels at Imphal and Loktak. During testing both end panels were found to be defective. Since the panels were obsolete and no support for spares and service was available for the existing PLCC panels, the proposed Special Protection Scheme could not be implemented. POWERGRID has informed that new panels have to be procured to make the SPS operational and procurement of new panels and installation will be completed by December, 2011 only.

**Deliberation of the TCC:**

POWERGRID informed that the SPS for NER will be completed by December, 2011.

***TCC noted as above.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. A.2	<b>INSTALLATION OF LINE REACTOR AT KATHALGURI END OF MISA - KATHALGURI LINE.</b>
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During the 11<sup>th</sup> NERPC meeting NEEPCO and POWERGRID agreed to sign the agreement at the earliest. Regarding cost of Reactor, MS-NERPC clarified that earlier RPC had approved the estimated cost only; revised cost if any, may be put up to RPC again to get it approved.

The issue is being followed up regularly in OCC meetings. During the 63<sup>rd</sup> OCC meeting, NEEPCO requested POWERGRID to modify the MOU and during 65<sup>th</sup> OCC meeting POWERGRID confirmed that the revised MOU had already been sent to NEEPCO on 12.08.2011. Further POWERGRID requested NEEPCO to allow POWERGRID to go ahead with tendering process, considering the considerable time required for procurement of transformers and reactors these days due congestion in manufacturers unit. But, NEEPCO informed that decision from their Management has not been received and stated that unless the approval comes from them, they will not be in a position to give any commitment in this regard.

Member Secretary re-iterated that NEEPCO should take the matter seriously and complete the long pending work at the earliest.

**Deliberation of the TCC:**

POWERGRID requested NEEPCO to give the consent for tendering process as it will take at least 18 months to complete the formalities.

Executive Director (O&M), NEEPCO informed that the matter has been forwarded to Board of Director (BOD) and requested POWERGRID to wait for two months.

TCC agreed.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. A.3	NON- COMPLETION OF 132 KV LOKTAK – JIRIBAM CKT - I
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During the 10<sup>th</sup> NERPC meeting, ACE, Manipur informed that the line has been charged up to Rengpang S/S on 08.01.2011. However, due to security problem the remaining portion of 39 km is yet to be completed although all the materials have already been procured. Further he informed that line will be utilized by loading at Rengpang and Tamenglong S/S. They have requested State Govt. to provide security for completion of the line.

**Deliberation of the TCC:**

TCC Chairman stated that this is long pending issue and completion of the line is very essential to improve the power scenario in 132 kV pocket of NER. He enquires from Manipur about the time frame for completion.

ACE, Manipur informed that considering the prevailing situation in Manipur during the last four months, it would not be possible to give any time frame for completion of said line. Further, he stated the Dept. of Power, Manipur is trying their best to complete the line at the earliest. The matter has been discussed in detail and same has been referred to RPC.

**Deliberation of the RPC**

Principal Secretary (P), Govt. of Manipur stated that due to ongoing economic road blockade for the last four months Manipur is facing acute crisis in administration and it would be very difficult to complete the remaining portion of around 38 KM. However, he assured that Manipur would try their best to complete the above reaming portion at the earliest.

***The RPC noted as above.***

ITEM NO. A.4	UNIFIED LOAD DISPATCH CENTRE (ULDC) SCHEME FOR NER
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In the 11th NER Power Committee meeting, CE, Me.ECL & Convener of the committee informed that the committee had a meeting on 26th April'11 and have sent letter to all States requesting them to provide details so that further action can be taken by the Committee.

**Deliberation of the TCC:**

Chief Engineer, MeECL & Convener of the Committee informed that the matter has been taken up with respective constituents for furnishing the necessary details, but the same has not been received from them.

AGM, TSECL & Member of the Committee suggested that they would take up the matter once again and get all the information in one month and then approach to DoNER for re-imburement.

***For information to the RPC members.***

**Deliberation of the RPC**

*The RPC noted as above.*

ITEM NO. A.5	INSTALLATION OF NEW UNDER FREQUENCY RELAYS (UFRS) IN NER CONSTITUENT SYSTEMS AND CONSTITUENT-WISE LOAD RELIEF QUANTUM AS RECOMMENDED BY THE SUB-COMMITTEE:
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The issue has been followed up regularly in OCC meetings. During the 63<sup>rd</sup> OCC meeting the status given by constituents of NER for installation of UFR is given below:

- 1) Ar. Pradesh : Completed
- 2) Manipur : Under Progress
- 3) Meghalaya : Completed
- 4) Mizoram : Completed
- 5) Nagaland : Completed
- 6) Tripura : Under Progress

During the 65th OCC meeting, AGM, NERLDC informed that with the introduction of new frequency band by CERC, the frequency band for load relief has to be revised from the existing frequency band approved in the Special TCC meeting of 2009.

Member Secretary requested the constituents to furnish the above information at the earliest and stated that frequency band may change from the existing approved band but location of UFR installation will remain the same. Further he stated that decision for revision of frequency band should be discussed in TCC/RPC. Constituents agreed to furnish the details of UFR.

**Deliberation of the TCC:**

Manipur: It will be completed by Feb, 2012.

Tripura: By November, 2011

*For information to the RPC members.*

**Deliberation of the RPC**

*The RPC noted as above.*

<b>ITEM NO. A.6</b>	<b>RECEIVABLES OF ASSAM FROM NER STATES:</b>
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During the 10th NERPC meeting Assam stated that in the lean period of 1992 to 1998 NER states had overdrawn power from NER grid. 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.

All NER states except Nagaland have already cleared the principal portion of the outstanding.

During the 11th NERPC meeting Nagaland informed that they would liquidate the principal amount of ` 2, 15, 85,629/- within 3 months.

**Deliberation of the TCC:**

Nagaland informed that they have already paid the principal Amount indicated above.

Assam stated that the matter regarding the waiving of surcharge will be placed to the Management for consideration.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

<b>ITEM NO. A.7</b>	<b>INSTALLATION OF HARMONIC FILTERS:</b>
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During the 9<sup>th</sup> NERPC meeting, POWERGRID informed that CPRI has already carried out measurement of harmonics in the portion of NER Grid involving RHEP, Nirjuli S/S and Balipara S/S 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--

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 in the next TCC meeting.

During the 10th NERPC meeting POWERGRID informed that CRPI has submitted offer to them for designing of filters amounting to ` 1.75 lakhs.

The Committee advised POWERGRID to prepare a complete proposal including consultancy, procurement of filters, installation etc. and the same may be submitted for funding from PSDF after approval of NERPC.

**Deliberation of the TCC:**

POWERGRID informed that as per the study of CPRI, the harmonics were generated by the Steel Plant (Satyam) at Banderdewa in Ar. Pradesh. So, the cost of harmonic filters has to be borne by the utility i.e., Satyam Steel Plant, Banderdewa and accordingly, Ar. Pradesh has to take up the matter with the utility.

TCC requested NERPC Secretariat to take up the matter with Ar. Pradesh after getting the necessary details from POWERGRID.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

**ITEM NO. A.8**

**PEAK & OFF-PEAK NER Power Dispatch Plan in 2012 - 13:**

During the Special TCC meeting held on 5th August, 2011, the TCC requested all the beneficiary states to give their realistic demand data for peak/off-peak, monsoon/non-monsoon, node wise to NERLDC for load flows studies which includes evacuation of Pallatana power; NERLDC will intimate the result in the next TCC/RPC meeting.

**Deliberation of the TCC:**

NERLDC gave a presentation (enclosed at **Annexure-A.8**) on the above issue based on the data furnished by constituents. AGM, NERLDC felt that Assam, Tripura, Manipur and Mizoram should ensure that maximum power is consumed by them. Further he stated that it would be more comfortable if south Assam could consume 200MW as envisaged earlier.

POWERGRID stated that all the states should complete their respective sub-stations/transmission lines in commensuration with the generation.

TCC, Chairman stated that commissioning of tie-line between New Melriat (PG) and - Melriat (Mizoram) also needs to be relooked by POWERGRID as Mizoram will not be able to draw 70 MW power from the new Melriat (PG) Sub-station. So the line should be constructed at 132 KV level along with associated sub-station at Melriat (Mizoram).

OTPC informed that from Module-I of Palatana combine cycle will not be possible to generate as per the requirement, as the gas contract agreement has to be honoured.

AGM, TSECL stated that transmission line from Palatana to Bongaigaon will not be completed as per schedule. However, he felt that the line from Palatana to Silchar will be completed matching with the commissioning of Palatana Unit-I. He further requested POWERGRID to strengthen the existing lines in the 132KV pocket.

TCC requested that the study by NERLDC should be circulated in the minutes so that constituents may offer their comments.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. A.9	UI OUTSTANDING - NERLDC
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Status of UI outstanding as on 18.10.2011 is attached (**Annexure- A.9**). Assam, Mizoram and Nagaland are the largest defaulters with outstanding of ` 12.88 Crores, ` 2.82 Crores and ` 4.4 Crores respectively.

**Deliberation of the TCC:**

All the constituents agreed to liquidate the outstanding amount at the earliest.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. A.10	NERLDC FEES AND CHARGES BILLS - NERLDC
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Subsequent to issuance of CERC (fees and charges of Regional Load Despatch Centers and other related matters) Regulation, 2009 vide notification No.L-7/145(160)2008-CERC dated 18.9.2009 and order dated 18.03.2011 on approval of fees and charges of NERLDC for the control period 01.04.2009 to 31.03.2014, monthly bills for NERLDC fees and charges from October, 2010 have already been raised on the users. Major outstanding as on date are as below:

Meghalaya : ` 39.7 lacs

Manipur : ` 21.86 lacs

Ar. Pradesh : ` 22.2 lacs

Outstanding status is enclosed at **Annexure- A.10**

**Deliberation of the TCC:**

Meghalaya informed that they will take up the matters and liquidate at the earliest.

Manipur informed that they have already made the payment and requested NERLDC to verify the same.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. A.11	OPENING OF LC AGAINST UI CHARGES LIABILITY - NERLDC
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As per CERC Unscheduled Interchange charges and matters (Amendment) Regulations, 2010 (Regulation 10(4) vide notification No. L-1(1)/2009-CERC dated 28<sup>th</sup>. April, 2010 effective from 03.05.2010, NERLDC issued letters to all defaulter Regional entities who had at any time during the previous financial year (2010-11) failed to make payment of UI charges including Addl. UI charges within the time specified in the Regulations to open LC as per computed amount (enclosed at **Annexure – A.11**).

Till date no Regional entities have opened LC against UI Charges liability.

**Deliberation of the TCC:**

All the constituents agreed to open/enhance the requisite LCs.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. A.12	STATUS OF DATA/VOICE COMMUNICATION BETWEEN NEW STATIONS AND NERLDC -NERLDC
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In the Special TCC meeting held at Agartala, the issue of voice/data communication between OTPC Power Station and NERLDC was deliberated in detail. As per deliberation, OTPC was to co-ordinate with CTU and NERLDC. **Latest status may be furnished by OTPC.**

**Deliberation of the TCC:**

MD, OTPC informed that they have take up the matter with POWERGRID and all the compatibility has been verified by them.

AGM, NERLDC requested OTPC to confirm the data/voice communication scheme along with details to NERLDC, which OTPC agreed. He also requested NTPC and NERTS to complete the same. AGM, NTPC stated that the matter has been taken up by them and same will be reverted back to NERLDC.

NERTS also informed that for Srikona substation they will take necessary action for providing data to NERLDC.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

<b>ITEM NO. A.13</b>	<b>SECURITY ASSISTANCE FOR MAINTENANCE OF TRANSMISSION LINES IN INSURGENCY PRONE AREA IN MANIPUR - PGCIL</b>
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During 10th TCC meeting of NERPC, POWERGRID requested to consider "Deemed Availability" status of 132 kV Jiribam - Aizwal line and 132 kV Jiribam - Loktak-II line in the event of delay in restoration owing to non-availability of security in Manipur portion. This was generally agreed upon by several constituents. However, on the suggestion of representative of Manipur, the committee decided to defer the item to the next TCC/RPC meeting.

During 11th NERPC deliberation, POWERGRID drew the attention of the members about security of their personnel and assets because of prevailing law and order situation in the State of Manipur. POWERGRID reiterated that in spite of such situation, they are able to somehow maintain their transmission assets in the State of Manipur. After deliberation it was decided that the issue to be discussed again during forthcoming special TCC meeting of NERPC.

During Special TCC Meeting on 5th Aug'11, POWERGRID again requested for "Deemed Availability" status in respect of the above two (2) lines in the event of delay in restoration owing to non-availability of security in Manipur Portion or else the outage period of that element on this account be excluded from the total available time of the corresponding month. However, TCC members have not agreed for deemed availability as proposed by POWERGRID. TCC requested Manipur Power Dept. to request state Govt. for providing security during restoration of the line after outage and during maintenance to POWERGRID personnel.

**Deliberation of the TCC:**

Referred to RPC

**Deliberation of the RPC**

CMD, TSECL stated that all the constituents were aware about the law and order problem in Manipur and also expressed sympathy to the people of Manipur. Further, he stated that due to this problem POWERGRID could not restore their 132 KV Loktak – Jiribam –II in time. This has affected acute power shortage in the 132 KV pocket whenever this line remained under outage. He felt that deemed availability should be given to POWERGRID as requested by them.

Power Minister, Govt. of Assam gave a suggestion that Chairman, NERPC can take up the matter with respective State Govt. and if necessary he may visit Manipur and take up the issue with them.

Chairman, NERPC informed that he has already taken up the matter with Hon'ble Chief Minister & Power Minister, Govt. of Manipur and requested them to look into the matter for the benefit of the constituents. Further, he stated that since Govt. of Manipur has assured POWERGRID to provide them security, he requested POWERGRID to wait for the time being and if necessary the issue can be discussed again in the next TCC/RPC meetings. POWERGRID agreed.

***The RPC noted as above.***

ITEM NO. A.14	REPLACEMENT OF DEFECTIVE INSULATOR STRINGS IN TRANSMISSION LINES OF POWERGRID IN NER - PGCIL
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During 10th TCC meeting of NERPC, technical necessity of replacement of Insulator Strings was agreed upon by beneficiary States and it was also agreed to allow "Deemed Availability" status without commercial benefit to POWERGRID. However, POWERGRID indicated that this will have serious implications in their Books of A/C. It was then decided to defer the matter to next TCC/RPC meeting.

During 11th NERPC meeting POWERGRID stated that a large number of Insulator Strings in several lines in NER have developed defects for reasons beyond the control of POWERGRID and replacement of such large number of defective insulators may not be considered as regular maintenance work. After deliberation, Chairman NERPC suggested that the issue be discussed in the forthcoming special TCC meeting of NERPC.

During Special TCC meeting of NERPC on 5th Aug'11, POWERGRID requested for "deemed availability" for the outage period for replacement of insulators as it will improve availability of NER system. In Northern Region also deemed availability benefit for replacement of ceramic insulators with polymer insulators has been agreed by constituents. MS, NERPC stated that with the replacement of insulators the NER grid performance will improve and outage due to insulator failure will be reduced. He requested constituents to firm up their views and convey their decision in the next TCC/RPC meeting.

POWERGRID requests Members to approve POWERGRID proposal for considering planned outage period for replacement of these insulators as "Deemed available" or else the outage period of that element on this account be excluded from the total available time of the corresponding month.

**Deliberation of the TCC:**

Member Secretary I/C, NERPC requested POWERGRID to give their presentation on the commercial impact for replacement of insulator strings.

POWERGRID gave their presentation and the same is enclosed at **Annexure –A. 14.** During the presentation, POWERGRID informed that they will spend around ` 22.32 Crores, without burdening the constituents, to replace approximately 21863 nos. of defective insulators strings in balance 31 nos. of Transmission lines for which approximately 5896 hours of shut down will be required in 24 months to complete the job at the earliest possibility. This will stabilize the existing transmission system of NER for trouble free operation before the commencement of new generation viz. Lower Subansiri, Kameng HEP, Bongaigaon TPS, Pallatana GBPP, Tutial HEP and the constituents of NER will be benefited in terms of drawing their share reliably, trading etc. Further, POWERGRID informed that the failure of the insulators are mainly because of high isokeraunic level of NER and higher system voltage of NER Grid as per the study of M/S BHEL and hence, beyond the control of POWERGRID. Accordingly, POWERGRID requested constituents to consider "deemed availability" for execution of such huge job in minimum time frame of 2 years by additional mobilization of ` 22.32 Crores without burdening the states so that the credential of

POWERGRID, NERTS is not lost in terms of availability. The incentive benefit for considering deemed availability will be around ` 2.82 Crores which will be shared by all the constituents of ER, NR, WR and NER (N-E-W Grid) as per the latest CERC regulation dated 04.04.2011 and thus, the burden of incentive on NER states will be minimum. On the other hand, if the insulators are replaced during opportunity / AMP shutdown to maintain availability then the same will take more than 10 years time to complete the job and NER Grid will be less reliable.

After the detail deliberation, Tripura agreed for Deemed Availability considering the following aspects:

- (a) POWERGRID will not burden the replacement expenditure of ` 22.32 Crores to the constituents of NER and
- (b) The burden of incentive of ` 2.82 Crores on account of deemed availability will be shared by all the constituents ER, NR, WR and NER as per the latest CERC regulation dated 04.04.2011. This is indicative that the majority of financial burden for the benefit of NER will be shared by the states of ER, NR and WR.

However, the other constituents have not agreed to the proposal of POWERGRID and accordingly, TCC decided to refer the matter to RPC.

### **Deliberation of the RPC**

Chairman, NERPC requested POWERGRID to brief again to the members about the commercial impact for NER states.

POWERGRID informed that they will spend the entire expenditure of replacement amounting to ` 22.32 Crores in two years time without burdening the constituents. On the other hand, the one time burden of incentive of ` 2.82 Crores on account of deemed availability will be shared by all the constituents ER, NR, WR and NER as per the latest CERC regulation dated 04.04.2011.

The CMD of TSECL opined that the job is required to be carried out at the earliest for benefit of NER as proposed by POWERGRID taking the advantage of latest CERC regulation as per which constituents of ER, NR, WR and NER are to share the one time burden of ` 2.82 Crores for the development activity in NER.

Jt. Secretary, Govt. of Mizoram also emphasized the importance of the job for early completion for the benefit of NER constituents and opined that this august forum will take the matter with NEC/DoNER for funding the above amount.

RPC members requested POWERGRID to workout the break up of ` 2.82 Crores so that the constituents would know how much burden they will have to bear to consider deemed availability and get the job done by POWERGRID in minimum time frame of two years for the benefit of NER.

POWERGRID stated that they will work out the same and submit the details to the office of NERPC shortly.

The issue was deferred to the next TCC/RPC meeting.

***The RPC noted as above.***

<b>ITEM NO. A.15</b>	<b>OUTSTANDING DUES OF POWERGRID AGAINST NER CONSTITUENTS - PGCIL</b>
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Regulation Notices were issued to MeECL, Manipur and Assam on 07.09.11 which however were withdrawn on request from the Power Departments of the respective states and on commitment from the states for liquidation of their outstanding dues.

Power Regulation on MeECL was withdrawn on 16.09.11 taking on account a payment of ` 3.71 Crs on 14.09.11 and a commitment to clear all the dues by 31st March' 2012 by making extra payment over and above the Monthly Transmission Charges.

Manipur released a payment of ` 2.53 Crs on 09.09.11 and committed for clearing 50% of the balance outstanding payment in a months' time and the remaining 50% of the balance outstanding payment in the following month.

Assam has also agreed for liquidation of outstanding payment by way of monthly EMI of ` 4.62 Crs over and above the monthly Transmission Charges.

Status of outstanding payment as on 30th September 2011 is as follows:

(in ` Crores)

SN	Beneficiary	Outstanding amount (other than PoC)	Outstanding against PoC bills	Total Outstanding
1	Ar. Pradesh	3.85	4.61	8.47
2	Assam	27.31	12.69	40.00
3	Manipur	8.65	4.25	12.90
4	MeECL(Meghalaya)	10.21	3.51	13.72
5	Mizoram	1.39	2.52	3.91
6	Nagaland	2.04	-0.19	1.85
7	Tripura	3.47	0.00	3.47
	SUM TOTAL	56.92	27.39	84.31

**Deliberation of the TCC:**

All the constituents agreed to liquidate their outstanding.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. A.16	STATUS OF LC REQUIREMENT AGAINST PoC BILLING AS PER BCD PROCEDURE BY NER CONSTITUENTS - PGCIL
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LC requirement against PoC billing as per Cl. No. 3.6 of **BCD (Billing Collection and Disbursement)** Procedures of CERC order No. L-1/44/2010-CERC, Dtd. 29.04.11:

SN	Beneficiary	Average first bill amount for the month of July'11 & Aug'11 of application period (i.e., July'11 - Sept'11) (₹ in Lakh)	Multiplying factor (1.05 times where TPA exists, 2.10 times where TPA does not exist)	LC required (Avg. first bill amount X MF) (₹ in Lakh)
1	Ar. Pradesh	231.31	1.05	242.88
2	Assam	1275.10	1.05	1338.86
3	Manipur	213.13	1.05	223.79
4	MeECL	352.33	1.05	369.95
5	Mizoram	126.30	1.05	132.61
6	Nagaland	178.07	1.05	186.97
7	Tripura	169.45	1.05	177.92

TPA – Tri Partite Agreement

**Deliberation of the TCC:**

All the constituents agreed to enhance their requisite LCs.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

<b>PART: B</b>	<b>ITEMS FOR DISCUSSION</b>
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<b>ITEM NO. B.1</b>	<b>SINGLE-PHASE AUTO-RECLOSURE OF TRANSMISSION LINES.</b>
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The matter was followed up regularly in various OCC meetings and the status of SPAR as reviewed during the 66<sup>th</sup> OCC meeting is as under:

SN	Name of the Line	Ownership	Status as given on 66 <sup>th</sup> OCC meeting.
1	400kV Balipara - Ranganadi I&II	RHEP, NEEPCO	Completed
2	220kV Kopili - Misa # I & II	KHEP, NEEPCO	NEEPCO informed that R&M Scheme has been approved and installation will be carried out soon.
3	220kV Salakati - BTPS - I & II	BTPS, AEGCL	Assam informed that the work is in progress and the same will be completed by Dec, 11.
4	220kV Balipara - Samaguri	Samaguri, AEGCL	Assam informed that work at Samaguri will take at least one year.
5*	132kV Aizawl - Zemabawk	Zemabawk , P&E, Mizoram	Representative from Mizoram informed that they will look into the matter & status would be intimated in next OCC meeting.
6	132kV Khandong - Haflong	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement by Sept, 2011.
7	132kV Khandong - Kopili	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement by Sept, 2011
8	132kV Loktak - Jiribam # II	Loktak, NHPC	Materials have been dispatched in 2 lots from factory and work will be completed by Nov, 2011.
9	132kV Ranganadi- Ziro	RHEP, NEEPCO	<p>NEEPCO insisted that breakers are only 6 years old and it would not be viable to replace the breakers.</p> <p>MS, NERPC stated that SPAR is very important for minimum interruption and NEEPCO should find means to replace the breakers as agreed in the 10<sup>th</sup> RPC meeting. He asked Arunachal Pradesh to explore the possibility of utilizing the breaker of NEEPCO in their system as the same could be procured by them at a depreciated cost.</p> <p>EE, Ar. Pradesh informed that finalization of the above proposal is under progress and the same will be intimated.</p>

\*Meanwhile Dept. of Power, Govt. of Mizoram vide letter dated 19.09.2011 has intimated that in view of short distance of the above line which is only 7 KM and the non-availability of space at 132 KV S/S Zemabawk and also after discussion with POWERGRID it was felt that installation of SPAR on the above line may not be feasible at this juncture. Mizoram requested that the issue may be dropped.

**Deliberation of the TCC:**

The status given during the TCC is given below:

SN	Name of the Line	Ownership	Status as given in TCC meeting.
1	400kV Balipara - Ranganadi I&II	RHEP, NEEPCO	Completed
2	220kV Kopili - Misa # I & II	KHEP, NEEPCO	January, 2012
3	220kV Salakati - BTPS - I & II	BTPS, AEGCL	February, 2012
4	220kV Balipara - Samaguri	Samaguri, AEGCL	March, 2013
5*	132kV Aizawl - Zemabawk	Zemabawk, P&E, Mizoram	Discussed in TCC and agreed to drop.
6	132kV Khandong - Haflong	KHEP, NEEPCO	June, 2012
7	132kV Khandong - Kopili	KHEP, NEEPCO	June, 2012
8	132kV Loktak - Jiribam # II	Loktak, NHPC	March, 2012.
9	132kV Ranganadi- Ziro	RHEP, NEEPCO	Status not updated as Ar. Pradesh representative was not present.

\*Mizoram requested POWERGRID to make the SPAR in service at POWERGRID end at Luangmual S/S. The same was agreed by POWERGRID.

**RPC may approve to drop the item at no. 5 above.**

**Deliberation of the RPC**

***The RPC approved to drop the item at SI. No. 5 as above.***

<b>ITEM NO. B.2</b>	<b>SETTING-UP/UP-GRADATION OF SLDCS IN NER:</b>
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In the 11th NER Power Committee Meeting, the status given by POWERGRID for four States viz. Ar. Pradesh, Mizoram, Manipur & Nagaland is given below:

Arunachal Pradesh : POWERGRID has prepared the DPR and already sent to AP. AP was advised to take necessary action for arranging fund for the scheme.

Mizoram : Advance payment would be released after getting fund.

Manipur & Nagaland : Manipur has already paid advance payment for DPR. Nagaland would intimate the status shortly.

Assam, Meghalaya & Tripura: would execute the scheme on their own.

Chairman, NERPC during the 11th NERPC meeting has advised to discuss the matter in the Special TCC meeting. During the Special TCC meeting the issue was discussed in detail.

AGM, NERLDC reiterated the necessity of taking timely decision to modernize /upgrade SLDCs. He further informed that in NR and WR, the work for modernizing SLDC has been entrusted to POWERGRID and opined that this has the advantage of better pricing (due to more competition and increased scope of work) and suggested for similar dispensation in NER also.

The deliberation was inconclusive as representative of Arunachal Pradesh and Nagaland were not present and **the matter was deferred to next TCC/RPC meeting.**

**Deliberation of the TCC:**

POWERGRID gave the status of four States viz. Ar. Pradesh, Mizoram, Manipur & Nagaland as below:

Arunachal Pradesh : POWERGRID has prepared the DPR and already sent to AP on Jan, 2011. Since Ar. Pradesh representative was absent the status could not be updated.

Mizoram : Advance payment would be released after getting fund.

Manipur : Manipur has already paid advance payment for DPR and the final DPR has been sent in July 2011.

Nagaland : Nagaland has already paid advance payment for DPR and the Draft DPR is being sent shortly.

Assam, Meghalaya & Tripura: would execute the scheme on their own.

Meghalaya representative stated that they would do the work on their own but requested NERLDC to assist them.

AGM, NERLDC informed that they are taking support of POWERGRID LD&C department for upgradation of NERLDC SCADA/EMS system. Therefore, Meghalaya may also approach POWERGRID for any support. Further, he stated that present AMC will expire by June, 2013 and unless States firm up the decision at the earliest it would be difficult to complete the new SLDC scheme before the above expiry date. AGM (LD&C), POWERGRID informed that in NR and WR, the work for modernizing SLDC has been entrusted to POWERGRID and opined that this has the advantage of better pricing (due to more competition and increased scope of work) and suggested for similar dispensation in NER also.

AGM, LDC, Assam requested to have a separate meeting for this issue so that all the queries and problems could be sorted out and the same would be finalized.

After final deliberation it was agreed that POWERGRID will prepare the DPR as decided in the Special TCC meeting held on 7<sup>th</sup> July, 2009 at Guwahati. The funding for the same will be considered thereafter.

**Deliberation of the RPC**

***Chairman, NERPC stated that POWERGRID should prepare the DPR at the earliest and funding would be discussed in the next RPC meeting.***

<b>ITEM NO. B.3</b>	<b>BUS TRANSFER FACILITY AT 132 KV GOHPUR (AEGCL) SUB-STATION</b>
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During the 66<sup>th</sup> OCC meeting Assam intimated that they have deputed their representative to NERLDC along with relevant data and system studies have been carried out to ascertain the quantum of power which can flow on 132 KV Nirjuli – Gohpur line and to what extent Assam can draw power from Gohpur sub-station. They informed that since the load growth in Itanagar and its adjoining areas have increased rapidly, it would not be feasible for Assam to draw more power from Gohpur. Assam has suggested that one more circuit should be constructed from Ranganadi to Nirjuli or the present 132 KV Ranganadi – Nirjuli should be made double circuit.

**Deliberation of the TCC:**

**(a) Bus Transfer Facility:** Assam informed that feedback from their Engineering Design wing has not been received in regard to creation of Bus Transfer Facility at Gohpur Sub Station and the same would be intimated accordingly.

**(b) Drawl of more power at Gohpur:** TCC suggested POWERGRID to prepare a detail feasibility report in this regard and follow up in OCC meetings for further necessary action.

*For information to the RPC members.*

**Deliberation of the RPC**

*The RPC noted as above.*

ITEM NO. B.4	NON-UTILIZATION OF BUS TRANSFER FACILITY AT KHANDONG HEP
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The issue of non-utilization of Transfer Bus facility at Khandong HEP following the outage of 132kV Khandong-Khliehriat II Line from 10:56 hrs of 13.04.2011 to 13:05 hrs of 14.04.2011 was discussed during 62nd OCC Meeting of NERPC on 09.06.2011. During discussion representative of NEEPCO informed that due to lesser capacity of Bus Bar conductor, Transfer Bus facility could not be used.

Subsequently, the issue was followed up during 63rd and 64th OCC Meetings of NERPC. However, during 65th OCC Meeting, representative of NEEPCO informed that Khandong Switchyard is old and at this stage enhancement of Bus capacity is not possible and at present due to limitation of bus capacity, Generation and Load is shared in two buses. Moreover NEEPCO is facing huge acidity problems in their machines and all the site engineers were busy to carry out the O&M of their machines and hence they were not in a position to carry out the above work.

Representative of POWERGRID mentioned during the meeting that if Transfer Bus facility is not implemented then outage of any Circuit Breaker is likely to cause backing down of generation which is not desirable. Further, Member Secretary, NERPC stated that 2nd circuit of Khandong-Kopli line is a part of missing link project to increase the power transfer capacity of line and reliability and if power cannot be evacuated because of constraints in bus conductors or jumper size in the

Khandong switchyard, NEEPCO need to find a solution to replace them with higher size conductors. NEEPCO was requested to look into the matter and take necessary action in the matter.

**Deliberation of the TCC:**

NEEPCO agreed to resolve the matter in consultation with POWERGRID within a week's time.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. B.5	READINESS OF EVACUATION SYSTEM FOR PALLATANA UNIT#2:
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During the Special TCC meeting held at Agartala, POWERGRID informed that land for construction of Byrnihat Sub-station was not allocated to them. Meghalaya informed that they will look into the matter and intimate accordingly. It was decided that the issue may be discussed again in next TCC/RPC meeting

**Deliberation of the TCC:**

TCC decided to refer the issue to RPC.

**Deliberation of the RPC**

***Chairman, NERPC informed that the land for construction of Byrnihat Sub-station has been taken up by Meghalaya Govt. and soon the land would be handed over to POWERGRID for construction of sub-station.***

ITEM NO. B.6	STATUS OF MONARCHAK GBPP
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During the Special TCC meeting held at Agartala, Assam informed that in the 7th NERPC meeting, the status and share allocation of Monarchak Gas Based Power Project was discussed. NEEPCO informed during the above meeting that NEEPCO authority decided to build the project on bilateral basis with Tripura and allocate the entire power to Tripura subject to final allocation by the Ministry of Power, Govt. of India. APDCL informed that NEEPCO had signed PPA with ASEB with

commitment of allocation of Monarchak power to ASEB. After deliberation in the 7th NERPC meeting, NEEPCO was requested to re-consider its decision and impress upon the Ministry of Power, Govt. of India for allocation of Monarchak power to all the beneficiaries of NER who are interested to draw power.

**Deliberation of the TCC:**

AGM, TSECL informed that initially the project was planned for 500 MW, but later on the same could not be materialized. He stated that Tripura has taken up the initiative to revive the project and the same has now been revised to 104 MW only. Hence the share from this project should be fully allotted to Tripura only.

Assam stated that they have signed the PPA for Monarchak GBP assuming that the Monarchak GBP is a Regional Project. Assam wanted to know whether Monarchak GBP is a Regional project or bilateral project of NEEPCO & Tripura.

Executive Director (O&M), NEEPCO informed that the project is a bilateral project.

After detailed deliberation, TCC decided to refer the issue to RPC.

**Deliberation of the RPC**

Hon'ble Power Minister, Govt. of Assam requested Tripura to re-look into the matter and stressed that NER states should also have a share from this project.

Parliament Secretary (P), Govt. of Tripura stated that he would convey the matter to Tripura Govt. and intimate accordingly.

***The Committee decided to defer the item to next TCC/RPC meetings.***

<b>ITEM NO. B.7</b>	<b>PALLATANA EVACUATION SYSTEM - TSECL</b>
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Member Secretary I/C, NERPC requested POWERGRID to give a presentation on the development of Pallatana Associated Transmission System.

POWERGRID gave a presentation on Pallatana ATS and the same is enclosed at **Annexure – B. 7.**

i). Tripura informed that 400 KV Transmission Line from Pallatana to Silchar and 400 KV sub-station at Silchar have been planned to function as power evacuation arrangement from 400 KV to 132 KV network for providing supply to connecting state utilities. But in order to ensure reliable and sustainable full dispatch, up gradation of linked transmission lines including connecting transmission lines between Silchar 400 KV substation and Kopili 220 KV S/S is required.

**Deliberation of the TCC:**

AGM, TSECL requested POWERGRID to study the evacuation of power of Pallatana from Silchar – Khandong, Khandong – Haflong etc. in order to ensure full dispatch of power. POWERGRID agreed.

TCC, Chairman wanted to know the status of 400 kV D/C Silchar-Melriat. POWERGRID informed the schedule target is Sept, 2012.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

**ii). 400 KV Transmission Line from Silchar to Bongaigaon:**

Commissioning of Pallatana project is linked with completion of above line. The Associated Transmission System (ATS) has to be completed to achieve the full load dispatch capability of Pallatana Project. Further, full allocated capacity drawal by states and payment of capacity & energy charges is subjected to completion of above lines. Delay in commissioning of lines shall defer the entire commercial activity stated above.

**Deliberation of the TCC:**

MD, NETC stressed that the 2<sup>nd</sup> stage forest clearance from Silchar-Bongaigaon has to be taken up at the earliest so as to complete the above line in time and requested Assam & Meghalaya Government to take early action in getting forest clearance. The matter was referred to RPC.

**Deliberation of the RPC**

***Chairman, NERPC & Hon'ble Power Minister, Govt. of Assam informed that they will look into the matter and resolve the same at the earliest.***

**iii). 400 KV Surjamaninagar Sub-station:**

Tripura will draw power from Pallatana project at Surjamaninagar 400 KV Sub-station. Initially power will be drawn at 132 KV systems upgradable to 400 KV at a later stage. Pallatana has a provision for 2 Nos. 132 KV Bay only without having provision for 400 KV Bay. The Pallatana to Surjamaninagar 400 KV line is planned to be charged at rated 400 KV voltage level at a later stage to meet the state power demand as well as to provide redundancy of Pallatana evacuation system. Therefore, 400 KV Bay at Pallatana for Surjamaninagar Sub-station is very much essential.

**Deliberation of the TCC:**

AGM, TSECL requested NETC to provide additional space for 400 kV bays at Pallatana so that the existing 132 KV bays could be upgraded in future.

MD, NETC stated that if Tripura want any change, they should approach the Standing Committee of CEA.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

**iv). Persistent Congestions/Restrictions of power evacuation at 132 KV pocket in NER:**

Tripura and adjoining states are suffering badly for power crisis due to limitation/restriction of drawal in 132 KV systems. Restriction in drawal of power due to failure/fault of 132 KV transmission lines in NER is matter of everyday affairs.

**Deliberation of the TCC:**

TCC stated that once the 400 kV Pallatana ATS is commissioned the problem of congestion will be resolved.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. B.8	WITHDRAWAL OF CRPF DEPLOYED AT LOKTAK POWER STATION - NHPC
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NHPC informed that in reference to item No. 3.1 of the 11<sup>th</sup> NERPC meeting, CMD, NHPC has taken up the matter with Secretary (Power), Ministry of Power, Govt. of India vide their letter dated 17.03.2011 for approaching Ministry of Home Affairs for reconsidering the decision of withdrawing CRPF from Loktak Power Station in the interest of security of the power station and work force posted. Secretary (Power), Ministry of Power intervened in the matter and requested Home Secretary, Ministry of Home Affairs vide D.O letter dated 01.04.2011. Hon'ble Minister of Power, Govt. of India has also requested Hon'ble Home Minister, Govt. of India vide D.O Letter dated 25.04.2011 requesting for reconsideration of the decision. CMD, NHPC has again requested Secretary (Power), Ministry of Power vide letter dated 28.07.2011 in this regard.

NHPC once again request Govt. of Manipur as well as NERPC to take up the matter at their level also as replacement of CRPF with CISF for security of Loktak Power Station will neither be in the interest of the project nor for the Home state and other states of NER.

Chairman, NERPC & Hon'ble Power Minister, Govt. of Meghalaya vide letter dated 28.10.2011 has written letters to Hon'ble Chief Minister & Power Minister, Govt. of Manipur requesting them to take up the matter with Ministry of Home Affairs and Ministry of Power to keep CRPF personnel as security for maintenance of Loktak Power station as requested by NHPC instead of CISF.

**Deliberation of the TCC:**

TCC decided to refer the issue to RPC.

**Deliberation of the RPC**

***Chairman, NERPC informed that he has requested Hon'ble Chief Minister & Power Minister, Govt. of Manipur requesting them to take up the matter with Ministry of Home Affairs and Ministry of Power to keep CRPF personnel as security for maintenance of Loktak Power station as requested by NHPC instead of CISF. He requested NHPC to follow up with Manipur Govt.***

ITEM NO. B.9	SIGNING OF PPA OF SUBANSIRI LOWER HEP (2000 MW) - NHPC
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NHPC informed that Arunachal Pradesh is yet to sign the PPA in respect of Subansiri Lower HEP (2000 MW). NHPC has taken up the matter with Under Secretary (Power) Govt. of Arunachal Pradesh and he has advised Chief Engineer (Power), Western Electrical Zone (AP) vide letter dated 18.03.2011 to fix a convenient date for holding bilateral meeting with NHPC to sort out the matter. In spite of repeated request, the matter is still pending. Arunachal Pradesh is once again requested to sign the PPA without any further delay as NHPC has to appraise the Ministry of Power about the status.

**Deliberation of the TCC:**

The matter was deferred since no representative from Ar. Pradesh was present.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. B.10	SHARE HOLDER AGREEMENT (SHA) OF NORTH EAST TRANSMISSION COMPANY (NETC) NOT SIGNED BY NAGALAND - NETC
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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 by all the NER Constituents, except Nagaland. During the 11th NERPC meeting Nagaland has stated that the matter has been taken up with State Govt. and the SHA would be signed by September, 2011. As no communication in this regard has been received it is presumed that Govt. of Nagaland is not interested.

**Deliberation of the TCC:**

TCC decided to refer the issue to RPC.

**Deliberation of the RPC**

***Hon'ble Power Minister, Govt. of Nagaland informed that the matter has been taken up by the Nagaland Govt. in this regard, he requested NETC to wait for some more time to enable Nagaland to sign the SHA. NETC agreed.***

<b>ITEM NO. B.11</b>	<b>REQUIREMENT OF EQUITY CONTRIBUTION OF ASSAM, TRIPURA, MEGHALAYA &amp; MIZORAM - NETC</b>
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Equity contribution pending as required up to 30.09.2011 from the State Govt. of Tripura, Govt. of Mizoram, Govt. of Meghalaya and Assam Electricity Grid Corporation Ltd. (AEGCL). The requirement is as per debt equity ratio of 80:20.

(In ` Crore)

SN	State	Required up to 30.09.2011	Received as on 28.09.2011	Deficit
1	Govt. of Tripura	21.03	10.41	10.61
2	Govt. of Mizoram	21.30	10.51	10.52
3	Govt. of Meghalaya	10.51	7.42	3.08
4	AEGCL	21.33	15.00	12.33

The conditions stipulated in SHA require that debt equity ratio has to be 80:20. NETC has drawn ` 919 crore loan from Power Finance Corporation (PFC) and has to maintain the debt equity ratio of 80:20 which is a condition stipulated in loan agreement with them. Further the loan agreement stipulates that NETC will undertake to maintain 80:20 debt equity ratio for the project and disbursement beyond 80% of loan (i.e. ` 1133 crore) amount will be subject to submission of proof for proportionate deployment of equity.

The figure of ` 1133 crore is likely to be achieved very soon and in the event of violation of debt equity ratio of 80:20 PFC will stop further disbursement and lead to stopping of the work at site resulting into delay in commissioning of the transmission line which may not match with the commissioning of 1st unit of OTPC.

**Deliberation of the TCC:**

Constituents agreed to contribute their equity at the earliest.

***For information to the RPC members.***

**Deliberation of the RPC**

MD, NETC informed that non-payment of equity by Govts. Of Tripura, Mizoram, Meghalaya & AEGCL for two quarters of current financial year has affected the cash flow and if it is not paid immediately it will seriously affect the progress of Pallatana – Silchar- Bongaigoan transmission line.

Chairman, NERPC requested the above constituents to contribute the equity to NETC at the earliest.

***The RPC noted as above.***

ITEM NO. B.12	<b>QUARTERLY REQUIREMENT OF EQUITY CONTRIBUTION OF ASSAM, TRIPURA, MEGHALAYA &amp; MIZORAM - NETC</b>
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The quarter-wise projection of requirement of equity contribution of Assam, Tripura Mizoram and Meghalaya upto June 2012 quarter so as to maintain debt equity ratio of 80:20 (₹ 1416 crore: ₹ 354 crore) as per the requirement of SHA is given in **Annexure – B.12**. It is requested that the states release equity accordingly.

**Deliberation of the TCC:**

Constituents agreed to contribute their equity at the earliest.

***For information to the RPC members.***

**Deliberation of the RPC**

MD, NETC requested all equity holders to contribute their share of equity as projected in Annexure – B. 12 to continue the project.

Chairman, NERPC requested the above constituents to contribute the share of equity to NETC at the earliest.

***The RPC noted as above.***

ITEM NO. B.13	<b>FREQUENT TRIPPING OF 33KV FEEDERS AT NIRJULI AND ZIRO S/S &amp; FAILURE OF 132/33KV TRANSFORMERS AT ZIRO &amp; NIRJULI SUBSTATIONS THEREOF - PGCIL</b>
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During 9th TCC and NERPC Meeting the issue was discussed in details and Arunachal Pradesh informed that they have already initiated various measures to reduce no. of faults on 33 KV lines owned by Dept. of Power, Govt. of Arunachal Pradesh.

During 10th TCC and NERPC Meeting POWERGRID again expressed concern for non-reduction of no. of faults in 33kV Feeders. Arunachal Pradesh again assured to take necessary action urgently to reduce no. of faults in their 33kV lines.

During 11th TCC and NERPC Meeting POWERGRID again raised the issue. But, the issue could not be discussed due to non-availability of representatives from Arunachal Pradesh during the meeting and agenda point was deferred for the next meeting.

The present status of tripping of 33kV Feeders at Nirjuli and Ziro Sub Station is as below:

**A. 132/33kV Ziro Sub Station (Tripping of 33kV Feeders)**

SN	Feeder	Jan'10 – Mar'11		Apr'11 – Sep'11	
		Nos	No. of trippings/month	Nos	No. of trippings/month
1	33kV Kurung- Kamey	325	21.67	145	24.17
2	33kV Old Ziro	232	15.47	72	12.00
3	33kV Kimin	511	34.07	272	45.33

**B. 132/33kV Nirjuli Sub Station (Tripping of 33kV Feeders)**

SN	Feeder	Jan'10 – Mar'11		Apr'11 – Sep'11	
		Nos	No. of trippings/month	Nos	No. of trippings/month
1	33kV AP # 1	64	4.27	45	7.50
2	33kV AP # 2	155	10.33	103	17.17
3	33kV AP # 4	44	2.93	24	4.00

**NOTE: Tripping of 33kV Feeders at both Nirjuli and Ziro Sub Stations is in increasing trend.**

Arunachal Pradesh to take necessary action on priority to reduce no. of faults in 33kV feeders owned by DoP, Govt. of Arunachal Pradesh to avoid further failure of transformers at Nirjuli and Ziro Sub Stations.

**Deliberation of the TCC:**

TCC advised NERPC to write a letter to Ar. Pradesh in this regard.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. B.14	<b>AUGMENTATION OF TRANSFORMATION CAPACITY AT 132 KV NIRJULI S/S - PGCIL</b>
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Presently, Nirjuli Substation is operating with a combination of 10MVA & 16 MVA transformers which are not being operated in parallel due to mismatch of Percentage Impedance. The present loading of the transformers are as follows:

16 MVA (13MW Max.)

10MVA (7 MW Max.)

Total maximum load is 20MW.

In line with the Communication dated 23.02.2011 from Dept. of Power, Govt. of Arunachal Pradesh the 16 MVA Transformer owned by them, was planned to be replaced by a new 10MVA Transformer procured by POWERGRID.

The transformers at Nirjuli S/s are already subjected to high stresses because of frequent heavy faults in the 33 KV system of Dept. Of Power, Govt. of Arunachal Pradesh, and therefore further overloading may cause eventual failure of the transformers in a short time.

In view of above, Dept. of Power, Govt. of Arunachal Pradesh was advised through Agenda of 11th TCC/ NERPC meeting to make necessary arrangement for diversion of load of their system from Nirjuli to some other Station or else NERPC may concur installation of one additional Transformer of 132/ 33kV, 10 MVA capacity at Nirjuli. However, the proposal of POWERGRID could not be discussed during 11th TCC /NERPC or in 62nd OCC meetings due to absence of representative from Arunachal Pradesh.

Meanwhile Dept. of Power, Govt. of Arunachal Pradesh vide their letter dtd 29.06.2011 requested POWERGRID to install 30MVA Transformer, available with DoP, Govt. of Arunachal Pradesh, at Nirjuli Substation and the matter was also raised by the representative of DoP, Govt. of Arunachal in 63rd OCC meeting.

During the 63rd OCC meeting, it was advised that POWERGRID & Ar. Pradesh should resolve the matter bilaterally.

POWERGRID has informed that installation of 30MVA transformer owned by Dept. of Power may not be a reliable solution on long-term basis as existing Transformer

Bay equipment at Nirjuli has limitations from Rating point of view and isolated operation of the 30MVA and 10MVA Transformers is considered unreliable. This has also got Commercial implications at Regional level.

TCC deferred the issue as Arunachal Pradesh representative was not present.

In view of the above, POWERGRID once again proposes diversion of load by Dept. of Power, Ar. Pradesh from Nirjuli Sub-station to some other Sub-station **OR** NERPC may concur augmentation of transformation capacity by 2 x 30MVA, 132/33kV ICTs at Nirjuli considering future load growth around State Capital.

**Deliberation of the TCC:**

The matter was deferred; since representative from Ar. Pradesh was not present.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. B.15	<b>ADDITIONAL REQUIREMENTS OF OPGW BASED COMMUNICATION SYSTEM FOR CENTRAL SECTOR SUB-STATIONS AND GENERATING STATIONS AND OTHER LARGE GENERATING STATIONS IN NER - PGCIL</b>
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POWERGRID agenda for installation of OPGW in NER was discussed during 11th TCC & 11th NERPC held at Kolkata on 5th-6th May'11 and was agreed in principle. As per deliberations of NERPC meeting, constituents comments were invited for finalization of OPGW based Communication Network. After incorporating the comments of constituents, the final requirement of OPGW as 1901 kms at an initial estimated cost of ` 56.36 Crores was finalized. The proposed OPGW network is enclosed at **Annexure -B.15(i)**. The break-up of 1901 kms is as under:

Central Sector	=	1349 kms
State Sector	=	552 kms
Further, state wise breakup of the State Sector OPGW length is		
Tripura	=	271 kms
Meghalya	=	107 kms
Nagaland	=	25 kms
Manipur	=	149 kms
Total	=	552 kms

In this regard, FR cum DPR was prepared and submitted to NEC for funding. Subsequently, Special TCC meeting was held at Agartala on 5th August'11 in which Assam informed that they agree to the proposal if the funding was from DoNER/NEC whereas Manipur, Mizoram, Meghalaya and Tripura agreed to the proposal irrespective of the funding from DoNER/NEC or recovery through tariff as per CERC regulations. Since Arunachal Pradesh & Nagaland representatives were not present in the Special TCC meeting, the proposal was deferred for discussion in the next TCC/RPC meeting.

After the special TCC meeting, a meeting was held with AEGCL on 23rd August'11 at Delhi to discuss the issues of concern regarding the said OPGW network. Reply to the issues raised by AEGCL was forwarded to AEGCL on 9th September'11 and the same is enclosed at **Annexure-B.15(ii)**. POWERGRID proposes to take up implementation of this OPGW based communication network immediately and in case the funding from DoNER/NEC is not available, the recovery of investment through tariff, to be determined by CERC, be agreed upon by Constituents.

**Deliberation of the TCC:**

TCC, Chairman requested to add additional 58.5 km for Mizoram. Mizoram has to submit the proposal to POWERGRID. POWERGRID agreed. Constituents agreed to the proposal of POWERGRID, if the funding is from NEC/ DoNER so as to avoid any burden to the consumers

**Deliberation of the RPC**

***The Committee decided to adopt a resolution and approach the Govt. of India for funding of OPGW based communication system for Central sector Sub-stations and generating stations and other large generating stations in NER.***

ITEM NO. B.16	Signing of Zero date for Indemnification Agreement - PGCIL
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i) POWERGRID' BOD had approved the transmission system associated with Lower Subansiri & Kameng HEP in Feb.'09 with the completion schedule of various elements progressively by Aug.'13 with an estimate cost of ` 11130 crores approx. About ` 3074 Crore has already been incurred till Sept.'11.

- The Kameng HEP (4x150 MW) is being implemented by NEEPCO. The original schedule of commissioning of Kameng HEP was Nov.'09, which subsequently revised to Dec.'12. In Oct.'11, NEEPCO has revised its commissioning schedule to June.'16. The implementation work of associated transmission system was slowed down to maximum extent possible & is now likely to be completed by Mar.'14.
- The Lower Subansiri HEP (8x250 MW) is being implemented by NHPC. The original Sch. of commissioning of Lower Subansiri HEP was Dec.'11, which subsequently revised to Mar.'12 / Dec.'12 / Mar.'13 / Dec.'13. The implementation work of associated transmission system was slowed down to maximum extent possible & is now likely to be completed by Dec.'13. After various meeting at Director (Project) level, NHPC has agreed for Dec.'13 as zero date, but signing of Indemnification Agreement is still pending since long.

Delay in commissioning of these generation projects shall affect the commercial realization of completed transmission system. NEEPCO & NHPC yet to sign zero date for Indemnification Agreement. **NEEPCO & NHPC to expedite signing of Indemnification Agreement.**

ii) POWERGRID' BOD had approved the transmission system associated with Pallatana GBPP & Bongaigaon TPS in Feb.'10 with the completion schedule of various elements progressively by Dec'12 with an estimate cost of ` 2144 crore approx. about ` 412 Crore has already been incurred till Sept.'11.

- The Bongaigaon TPS (3x250 MW) is being implemented by NTPC. The original Sch. of commissioning of Bongaigaon TPS is Dec.'11, which subsequently revised to Jun.'12 / Oct.'12. The associated Transmission system likely to be completed by Mar.'12.
- The Pallatana GBPP (2x363 MW) is being implemented by OTPCL. The original Sch. of commissioning of Pallatana GBPP is Dec.'11 which subsequently revised to Jan.'12 /Feb.'12 for unit-I & Jun.'12 for unit-2. The associated transmission system required for evacuation of power from unit-1 shall be ready progressively from Dec.'11 to Feb.'12 and for unit-2 by Jun.'12. Draft Indemnification Agreement already sent to OTPCL by NETCL. Signing of Indemnification Agreement to be expedited.

Delay in commissioning of these generation projects shall affect the commercial realization of completed transmission system. NTPC & OPTCL yet to sign zero date for Indemnification Agreement. **NTPC & OPTCL to expedite signing of Indemnification Agreement.**

**Deliberation of the TCC:**

NEEPCO has not agreed to sign the indemnification agreement by March, 2014 as requested by PGCIL as their project is likely to commission in 2016.

NTPC will confirm the date to POWERGRID for signing the agreement.

OTPC will confirm only after getting the approval of the Board.

***For information to the RPC members.***

**Deliberation of the RPC**

***The Committee noted as above.***

<b>ITEM NO. B.17</b>	<b>Inclusion of Sikkim as NERPC Member - NERPC</b>
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During the 4<sup>th</sup> NERPC Meetings held on 20<sup>th</sup> & 21<sup>st</sup> August, 2007 following Resolution was adopted "To approach Ministry of Power, Govt. of India for allocation of share from Power Projects of Sikkim to NE States because Sikkim is a constituent state of NEC and all the development fund allocated to NEC is being shared by Sikkim also with all other NE States. Resource of Sikkim now becomes part of NER Resource".

During the 9<sup>th</sup> NERPC meetings held on 11<sup>th</sup> & 12<sup>th</sup> August, 2010 Chairman, NERPC & Hon'ble Power Minister, Govt. of Meghalaya in his inaugural speech once again stressed that Sikkim being a constituent member of North Eastern Council (NEC) and funds are earmarked for power development in Sikkim and therefore NER States should also have a share from these projects being set up in Sikkim.

Chairman, NERPC vide letter dated 28.10.2011 has written letters to Union Minister of Power, Govt. of India, Hon'ble Chief Minister & Power Minister, Govt. of Sikkim requesting them to re-consider the issue of inclusion Sikkim as member of NERPC.

**Deliberation of the TCC:**

TCC decided to refer the issue to RPC.

**Deliberation of the RPC**

***The Committee decided to adopt a resolution and approach Hon'ble Prime Minister, Govt. of India for inclusion of Sikkim as member of NERPC.***

<b>ITEM NO. B.18</b>	<b>Power System Development Fund (PSDF) - NERPC</b>
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During the 9th NERPC Meetings held on 11th & 12th August, 2010 "Hon'ble Power Ministers of North Eastern States unanimously decided to approach Chairman, CERC in the matter and send 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".

Chairman, NERPC vide letter No: NERPC/MOP/2011/2904-14 dated 28.07.2011 has written to Union Power Minister, Govt. of India stating that the formulation of schemes and their funding should be decentralized at Regional level through RPCs and CERC role should be limited to formulation of Regulations only.

**Deliberation of the TCC:**

TCC decided to refer the issue to RPC.

**Deliberation of the RPC**

***The Committee decided to adopt a resolution and approach Hon'ble Prime Minister, Govt. of India so that the fund available in PSDF should be utilized by respective RPCs.***

<b>ITEM NO. B.19</b>	<b>Crisis Management Plan for countering Cyber attacks and cyber terrorism - NERPC</b>
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Ministry of Power, Govt. of India vide letter dated 13<sup>th</sup> December, 2010 has informed that the meeting was held in Ministry of Power where it was decided to constitute following CERTs (Computer Emergency Response Team) by the nodal agency identified for the purpose.

- i. CERT – Hydro - NHPC
- ii.) CERT – Transmission – POWERGRID
- iii. CERT – Thermal – NTPC

This Crisis Management Plan describes the frame work for cyber incidence response co-ordination, type of crisis, possible targets and its impact. Keeping in view the sensitivity of matter, it is requested to take further necessary action to prevent cyber attacks on the utilities under respective jurisdiction. The State Utilities are requested to prepare their own CMP and keep in touch with the above nodal agencies and CERT for further necessary action.

**Deliberation of the TCC:**

Director, CEA briefed about the importance of cyber attack and cyber security. He informed that threat of cyber attack in power sector is main concern in the Ministry of IT. Accordingly all the State and Central Utilities are requested to prepare their own CMP and keep in touch with the above nodal agencies and CERT for further necessary action. Further, he informed that CMP publication was published by Ministry of Communication and if any constituents want a copy of CMP, they may write to them. He also stated that for formulating the CMP they can approach the above nodal agency for any help.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. B.20	Review of Crisis Management Plan (CMP) in respect of Ministry of Power - NERPC
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During the 66<sup>th</sup> OCC meeting held on 12.10.2011, NERPC informed that CEA vide letter dated 27.09.2011 has intimated that Cabinet Secretariat carries out annual review of the Crisis Management Plan (CMP) and during a review meeting of Ministry of Power it was emphasized the need for regular monitoring and updating the contingency plan and furnishing the quarterly report on preparedness of various utilities/organizations in power sector to meet the crisis situations. For this purpose, various utilities/organizations were required to submit quarterly reports through RPCs/NLDC.

NERLDC informed that as decided in the 64th OCC meeting the mock drill exercise of Black Start as a part of Disaster Management have been conducted in phases in some of the power stations in NER (i.e. Doyang & Ranganadi HEPs).

Regarding mock black start exercise of Loktak HEP, he stated that since Loktak has practically demonstrated the same in the month of August (22.08.11 to 24.08.11) the same will not be further required. Similar exercise for Kopili & Khandong will be planned soon.

The Sub-committee requested that not only Central Utilities should carry out the mock exercise on Crisis Management but the State Utilities also should carry out the same exercise. He requested them to submit their quarterly report on this exercise to NERPC Secretariat and CEA for further action.

**Deliberation of the TCC:**

Chief Engineer, CEA briefed the members about the importance of the Disaster Management. He informed that CEA has published the documents on CMP in 2004. However, considering the present scenario in the country with the addition of many IPPs the CMP has to be revised. He requested all the constituents to give their views in this matter before finalizing the CMP. Further, the Ministry of Power is regularly reviewing the mock drill exercise and therefore requested the constituents to furnish the quarterly report to CEA for further action in this regard.

Member Secretary I/C, NERPC requested all the constituents to keep in touch with CEA for any clarification in this matter.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

<b>PART: C</b>	<b>ITEMS FOR INFORMATION</b>
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<b>ITEM NO. C.1</b>	<b>TRANSFER FACILITY IN BUS BAR ARRANGEMENT at Mariani &amp; Samaguri.</b>
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During the 66<sup>th</sup> OCC meeting, CGM, LD&C, Assam informed that the installation works at Mariani & Samaguri have been completed in all respect and transfer facility was commissioned on 20.10.2011.

**Deliberation of the TCC:**

Assam intimated the works have been completed and commissioned on 20.10.2011.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

<b>ITEM NO. C.2</b>	<b>STATUS OF 132 KV KOPILI - KHANDONG 2ND CKT.</b>
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During 65<sup>th</sup> OCC Meeting, GM, POWERGRID informed that the Final Forest Clearance has been received and POWERGRID has started mobilizing the team for carry out the construction of 4 (four) remaining towers of above line. He informed that the work is expected to complete by December, 2011.

***The sub-Committee appreciated POWERGRID in getting the forest clearance after many months of rigorous follow up and noted as above.***

**Deliberation of the TCC:**

Power Grid informed that the line will be completed by January, 2012. The TCC put in record the appreciation to POWERGRID for getting the forest clearance after many months of persuasion.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

<b>ITEM NO. C.3</b>	<b>O&amp;M of NERPC Vehicle - NERPC</b>
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As approved in the 10<sup>th</sup> NERPC meeting, NERPC has procured one vehicle for field visit by the officers of NERPC Secretariat. It is proposed to keep the ceiling limit of ₹ 50,000/= annually for maintenance of the vehicle. Any expenditure of more than ceiling limit has to be approved by Chairman, NERPC.

**Deliberation of the TCC:**

TCC agreed to the proposal.

**Deliberation of the RPC**

***The RPC endorsed the decision of TCC.***

<b>ITEM NO. C.4</b>	<b>National Power Committee (NPC) Chairmanship - NERPC</b>
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The meeting regarding Formation of Forum of Regional Power Committee (RPCs) was held on 26.09.2011 at "CEA Conference Hall", CEA, New Delhi and the gist are as follows:

During the meeting Dr. Jai Pal Singh, Member (E&C), CEA stressed the need for strong national grid in view of large capacity addition in the country and that too in private sector. He expressed that in view of PoC charges regime and development of UMPPs and IPPs there are many issues cropping up which are common in nature among various RPCs. The need for a national body covering all five RPCs was felt since long. He requested that in this first meeting the structure of this body can be decided and its role in the decision making may be deliberated.

Member (GO&D), CEA in his inaugural address expressed that regional concept of grid operation has served its purpose and now with the breaking of regional boundaries, there is a need for national level concept. He stated that in this first meeting the constitution of such a national body and conduct of business rules may be deliberated.

Addressing the meeting Hon'ble Minister of Power, Govt. of Meghalaya and Chairman, NERPC welcomed the idea as initiated by CEA for creation of a national

body of RPCs. He informed that problems of individual RPCs should be known to other RPCs. He desired mutual cooperation and technology transfer from one region to other. He intimated that 64000 MW of hydro power could be harnessed from North-East. Further he informed that in Meghalaya alone 600 MT of coal reserve are available and Meghalaya also have the potential of around 4000MW which will have to be transferred to other regions. He desired that States must have a say in utilization of the PSDF as the money into it is being contributed by them. He advised that forum may initially start as a advisory body and later MoP may be approached to give it a statutory status through amendment of IE Act 2003. The draft constitution and conduct of business rules were finalized as under:

**Composition of NPC:**

Chairman of one of RPC by rotation	Chairman of NPC
Chairman of each RPC	Member
Member (GO&D), CEA	Member
TCC Chairman of each RPC	Member
Member Secretary of each RPC	Member
Chief Engineer (GM, CEA)	Member Secretary

Additional members (as Special invitee) can be nominated as per decision of National Power Committee.

During the meeting it was unanimously decided that Hon'ble Minister of Power, Meghalaya, Sh. A.T. Mondal would be the Chairman of NPC.

***The Committee may like to place on record the achievement of Chairman, NERPC to lead not only the NE Region but to the rest of the country.***

**Deliberation of the TCC:**

***The TCC placed on record the achievement of Chairman, NERPC to lead not only the NE Region but the entire country.*** Member Secretary I/C informed that the next NPC meeting will be held on 25<sup>th</sup> November, 2011. He requested constituents to give their comments, if any.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

<b>ITEM No. C.5</b>	<b>Commissioning Schedule of Generation Projects in NER</b>
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The proposed dates of commissioning of various Generating Projects in NER are as below:

SN	AGENCY	PROJECT	COMMISSIONING SCHEDULE
1	NHPC	Lower Subansiri	12 <sup>th</sup> Plan
2	NEEPCO	Kameng HEP	12 <sup>th</sup> Plan
3	NTPC	Bongaigaon TPS	1 <sup>st</sup> unit: 8/12, #2: 7/13, #3: 11/13
4	OTPC	Pallatana GBPP	1 <sup>st</sup> unit: 2/12, #2: 7/12
5	NEEPCO	Tuirial HEP	12 <sup>th</sup> Plan

**Note: Information as per CEA.**

*The TCC & RPC noted as above.*

<b>PART: D</b>	<b>ITEMS FOR APPROVAL</b>
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<b>ITEM NO. D.1</b>	<b>CORPORATE TRAINING PROGRAMME FROM DOEACC SOCIETY SHILLONG CENTRE:</b>
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During the 10th NERPC meeting, it was agreed to nominate 2 engineers each from NERPC, Assam, Meghalaya and one each from NERLDC and Mizoram for the programme. The NERPC has approved that expenditure of ` 99270/- shall be met from PSDF.

DOEACC Society has submitted the Bill of ` 99,270/= as approved above and NERPC has sent the bill to Secretary, PSDF for payment on 20.05.2011. However, Secretary, PSDF has conveyed that CERC is being followed up for the approval of the procedure for disbursement of fund from PSDF. Further, he informed that disbursement of fund from PSDF for the subject work from NERPC shall only be considered after concurrence of the procedures by the Commission.

During the Special TCC meeting, TCC recommended the proposal of NERPC for payment to DOEACC from Reactive Pool A/C of NERPC.

**Deliberation of the RPC**

*The RPC endorsed the decision of TCC.*

ITEM NO. D.2	OTPC MEMBERSHIP:
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During the Special TCC meeting held at Agartala, TCC recommended that OTPC may be made regular member of NERPC.

Deliberation of the RPC

*The RPC endorsed the decision of TCC.*

ITEM NO. D.3	PROCUREMENT OF SPARE TRANSFORMERS AND REACTORS IN NER - PGCIL
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At present due to overloading of production capacity of Equipment-manufacturer, owing to fast expansion in Power Sector, the time frame for repair of Transformer and Reactor has become uncertain. Recently, one no. 63MVAR, 420kV Line Reactor of Bongaigaon Circuit #1 failed at Balipara Sub Station. BHEL, manufacturer of the old Reactor, has indicated that because of Shop-floor Occupancy, it will not be possible for them to repair the defective 63MVA Reactor before 2014.

Under such circumstances, grid reliability on account of major equipment failure is at stake these days, unless the required spares are maintained. In view of above, it was proposed to procure following Spare Reactor and Transformers for NER:

- Reactor: (a) One no. of 63MVAR, 420kV
- Transformers: (a) One no. of 100MVA, 220/132kV (3-Phase)
- (b) One no. of 16MVA, 132/33kV (3-Phase)
- (c) One no. of 5MVA, 132/33kV (1-Phase)

During 9th NERPC meeting, Chairman, NERPC had suggested that since above Spare Transformers and Reactors are required for maintaining the system, POWERGRID may approach NERPC even if funding of the said procurement out of PSDF, is not acceded.

During deliberation in 11th NERPC meeting, POWERGRID brought to the notice of the members that Procurement of Spare Transformers and Reactors may not be covered out of PSDF. In view of recent failure of 63MVA Reactor at Balipara, POWERGRID requires one Reactor immediately to install at Balipara. Chairman,

NERPC suggested to put up the issue for deliberation in the forthcoming Special TCC meeting of NERPC.

During Special TCC Meeting on 5th Aug'11, TCC agreed to the proposal of POWERGRID for procurement of following spare Reactor and Transformers and recommended for approval of RPC.

**Reactor:**

(a) One no. of 63MVAR, 420kV

**Transformers:**

(a) One no. of 100MVA, 220/132kV (3-Phase)

(b) One no. of 16MVA, 132/33kV (3-Phase)

(c) One no. of 5MVA, 132/33kV (1-Phase)

**Deliberation of the RPC**

*The RPC endorsed the decision of TCC.*

<b>ITEM NO. D.4</b>	<b>Expenditure for New NERPC Secretariat Complex - NERPC</b>
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NERPC Secretariat cum residential Complex is now ready and the office would be shifted soon from the present rented building to the new complex. Expenditure relating to furnishing of Office Complex and Guest House may kindly be contributed by the constituents as the same has been practiced in other regions also. The tentative expenditure has been worked out by calling some of the reputed firms in Shillong and the amount is ` 1.5 Crores.

It is proposed that Central Utilities will contribute an amount of ` 20 Lakhs each and NER States ` 5 Lakhs each.

**Deliberation of the RPC**

*The RPC approved the proposal of NERPC.*

<b>ITEM NO. D.5</b>	<b>Proposal for Study Tour - NERPC</b>
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AREVA has given the following proposal for Study Tour to abroad as well as in NER locations:

**i) Study tour to Australia – New Zealand:**

S.N.	Particulars	Duration
1	Presentation on some new technology (Sydney)	1 day
2	Visit to Control Centre (Sydney)	1 day
3	Travel to Brisbane	1 day
4	Visit to AREVA factory (Brisbane)	1 day
5	Travel to New Zealand	1 day
6	Presentation on some new technology preferably on market management system (New Zealand)	1 day
7	Visit to Control Centre (New Zealand)	1 day
	<b>Total No. of days</b>	<b>7 days</b>

**OR**

**ii) Study tour to Europe:**

S.N.	Particulars	Duration
1	Presentation on some new technology (London)	1 day
2	Visit to AREVA factory (London)	1 day
3	Travel to Denmark/Netherland (optional)	1 day
4	Visit to Control Centre (Denmark/Netherland)	1 day
5	Travel to Paris	1 day
6	Presentation on Telecom System in Power Sector at AREVA Centre of excellence (Paris)	1 day
	<b>Total No. of days</b>	<b>6 days</b>

**iii) NER Study Courses:**

S.N.	Particulars	Duration
1	Transmission Network Management System	2 days
2	Introduction to Smart Grid	2 days
3	EMS Application	2 days
4	NLDC India & WIN CFE	2 days
5	SDH & PDH Networks	4 days
6	PLCC AREVA MICOM T390	4 days
7	Tele-protection	4 Days
	<b>Total No. of days</b>	<b>20 days</b>

**Deliberation of the RPC**

*The RPC approved the proposal of study tour to Australia & New Zealand. NERPC Secretariat has to approach PTC India Ltd. NVVN, and other sources apart from AREVA for competitive price. The duration of Study Tour should be revised to 10 days instead of 7 days as proposed above. The tentative date for above study tour is February, 2012. The Committee will approach CERC & Ministry of Power so that funds available in PSDF would be utilized for above study tour.*

<b>PART: E</b>	<b>ANY OTHER ITEMS:</b>
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<b>ITEM NO. E.1</b>	<b>Under Generation of AGBPP, Kathalguri of NEEPCO - Assam:</b>
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Assam informed that it has been observed that AGBPP, Kathalguri with its installed capacity of 291 MW has not been able to generate to its optimum level even in peak load hours. In absence of adequate generation from other hydro stations due to less water availability, the AGBPP should have been able to give necessary support to beneficiary states during the need of hours. During January, 2011 the station could generate almost to its full capacity for a short while on a particular date and on that basis the CERC also has approved tariff on the basis of the installed capacity of the station, against a petition filed by APDCL demanding pro-rata reduction of AFC on

the basis of capacity utilization. After that the generation status of the project is again back to the earlier status of generation of around 200 – 220 MW. NEEPCO is requested to appraise the forum about the real causes which affects AGBPP generation at the moment and also from when the beneficiaries can expect full optimum generation from the project.

**Deliberation of the TCC:**

After detail deliberation TCC requested Assam to approach CERC in this regard.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

<b>ITEM NO. E.2</b>	<b>Supplementary bills of ISGS on account of revision of tariff for 2009 -2014 - Assam:</b>
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Following revision of tariff of ISGS by CERC for the period of 2009-2014 against various projects, APDCL has received number of supplementary bills from the central agencies. Agency wise bill amounts are as follows:

(in ` Crores)					
<b>Agency</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>S/Charge</b>	<b>Total</b>
AGTPP	11.68	12.18	-	2.49	26.35
RHEP	42.05	44.65	-	11.25	97.93
AGBPP	35.35	36.42	-	-	71.76
Loktak	8.50	12.15	1.01	2.71	24.37
PGCIL	-	-	-	-	69.90
<b>Total</b>	<b>97.58</b>	<b>105.4</b>	<b>1.01</b>	<b>-</b>	<b>290.31</b>

APDCL is paying such type of supplementary bills received from Power Grid under installment scheme mutually agreed by both parties. Coming to the issue of liquidation of supplementary bills of ISGS, though as per provisions of CERC Regulations, such outstanding amounts are supposed to be liquidated within a period of six months but for recovery of such outstanding from consumers through Fuel & Power Purchase Agreement (FPPA) mechanism in six months period may be impractical as the incremental tariff per unit per month would be around ` 0.96 per unit over and the existing Fuel Price Adjustment (FPA) rate of ` 0.69 per unit.

On the ground stated above, the forum may ponder over the matter and take up with the appropriate authority for evolving a mechanism of liquidation of such type of bills without any practical constrains either to general consumers or to Generators.

**Deliberation of the TCC:**

After detail deliberation TCC requested Assam to approach CERC in this regard.

***For information to the RPC members.***

**Deliberation of the RPC**

***The RPC noted as above.***

ITEM NO. E.3	<b>Down stream impact of all the power projects being setup in the upstream of Brahmaputra and its tributaries - Assam:</b>
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When several Hydro Electric Projects are put up in the course of the same river that passes through more than one state and even if these are slated to be Run of the River Projects, the downstream state must be consulted in the process of decision making such as allotment of terms, preparation of Detail Project Report and sharing of free power. Moreover a concrete Reservoir Regulation Policy has to be put in place binding on all the Hydro Electric Projects on the same river so that the framework addresses the issues of Upstream and Spillway Management and also make developers accountable for river Training and Dredging activities in the downstream. Further the existing parameter of giving free power to the distressed state only on the consideration of submergence factor in the upstream needs to be revised and sufficient share of free power should also be provided to the affected downstream state.

**Deliberation of the TCC:**

For allocation of free power to the affected downstream states Assam may approach CEA/ MOP, Govt. of India.

**Deliberation of the RPC**

***The Committee decided to adopt a resolution and approach Hon'ble Prime Minister, Govt. of India so that some percentage of free power should be given to the affected down stream states as relief measures.***

The Committee also put in record the contribution made by Shri B.K. Jain, Ex Member Secretary, NERPC during his tenure in NERPC. With his sincere and dedicated efforts many important issue have been resolved not only in various Sub-committee meetings but also in TCC/RPC meetings.

<b>PART: F</b>	<b>RESOLUTIONS TAKEN DURING THE 12<sup>TH</sup> RPC MEETING</b>
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The North Eastern Regional Power Committee (NERPC) unanimously resolved in the 12<sup>th</sup> NERPC meeting held on 15<sup>th</sup> November, 2011 at Amritsar as follows:

That this Committee strongly urges upon Ministries of Government of India concerned for the following:

**1. POWER SYSTEM DEVELOPEMENT FUND (PSDF)**

CERC vide its Notification dated 04.06.2010 had issued regulations for constitution of Power System Development Fund and a Managing Committee for administration of the fund.

As per CERC regulation, NERLDC is the agency (in NER) which is authorized to collect Congestion Charges, Congestion amount, Unscheduled Interchange charges, Reactive energy charges under the respective regulations and such other charges as may be notified by the Commission from time to time, shall transfer to the credit of the Fund; the balance amounts in the charges under sub-clauses (a) to (e) of clause (1) of the regulation on monthly basis or such other basis as deemed fit by the Managing Committee in accordance with Regulation 5.

The account for the above charges is issued by RPCs on weekly basis and charges are collected by respective Regional Load Dispatch Centre (RLDCs) and account for the same is also maintained by them.

Since the above funds are generated by the constituents of that region; therefore utilization of fund should be at the discretion of the respective Regional Power Committee (RPCs).

Therefore, the approval of the Commission as per Clause 5 (3) **should be dispensed with.**

**We would therefore request your good self to intervene into the matter and funds generated from the above should be utilized at the sole discretion of respective RPCs. The role of the Managing Committee of PSDF should be limited to Administration of funds only.**

**2. FUNDS FOR ADDITIONAL REQUIREMENT OF OPGW BASED COMMUNICATION SYSTEM FOR CENTRAL SECTOR SUB-STATIONS AND OTHER LARGE GENERATING STATIONS IN NER.**

As per Clause No. 4.6.2 of CERC Regulations of Indian Electricity Grid Code (IEGC), reliable and efficient Speech and Data Communication System shall be provided to facilitate necessary communication and data exchange, and supervision / control of the grid by the RLDC, under normal and abnormal conditions. All users/STUs in co-ordination with Central Transmission Utility (CTU) shall provide the required facilities at the respected ends specified in the Connection Agreement.

Since the frequencies of Micro Wave links are being withdrawn by Dept. of Telecom (DOT), the option available in communication systems are

- i. Power Line Carrier Communication (PLCC) and
- ii. Wideband communication system based on Optical fiber composite overhead Ground Wire (OPGW) Communication link.

The PLCC system has limitation in terms of capacity, no. of hops and performance due to high attenuation and noise in the power system. Further due to frequent Loop-In Loop-Out (LILO) of lines, the existing communication system gets disturbed and no. of hops increases. Presently large no. of Remote Terminal Unit (RTU) locations are communicating on PLCC.

Subsequent to the commissioning of Unified Load Dispatch Centre (ULDC), volume of data and no. of Substations / Generating stations have increased considerably. Numbers of hops for data transmission are increasing with expansion of network. In addition to the requirement of communication system for Supervision Control And Data Acquisition (SCADA) system, Special Protection Schemes (SPS) are to be implemented and installation of Phasor Measurement Unit (PMUs) is also envisaged. SPS requires transfer of signals over no. of hops and each PMU requires minimum of 64Kbps bandwidth. These additional requirements of communication for the existing & upcoming Substations upto 2012-13, cannot be met unless all the Central Sector Substations and Generating stations and other large generating stations are provided with OPGW based communication link.

The proposed communication links can be used by the constituents also for grid operation purpose. Imphal (Manipur), Srikona (Assam) & Mokokchung (Nagaland) Sub-Stations have also been included.

In view of above, it is proposed that the entire Central sector Substations and Generating stations of North Eastern Region are provided with the OPGW based Fiber Optic Network. The links where OPGW is to be provided is approximately **1901 Km** of Fiber Optic along with the Terminal equipments are to be installed. The initial Estimated Cost (Supply, Installation, and Testing & Commissioning) for these requirements is ` **56.36 Crores**. In addition to the above Mizoram has requested to include 58.4 Km additional Fiber Optic for connecting their Sub-stations with the main grid.

**An urgent necessity for implementation of the scheme for the benefit of the region is very much required. However, the States could not arrange the amount from their own resources as they have to raise the fund from their tariff through the consumers. We would therefore request your good self to intervene into the matter to get the above project funded through NEC/DoNER.**

**3. CUMULATIVE IMPACT STUDY ON THE DOWNSTREAM AREAS OF THE REGION**

Comprehensive development of river basins with due care for flood control, navigation, irrigation, drinking water, besides power generation is envisaged in the **Electricity Act, 2003**.

The States located in the downstream and in proximity to all the hydel projects to be set up on the upper ridges of the Brahmaputra and other adjoining rivers shall have to face the entire brunt of the adverse downstream effects on livelihood, bio-diversity including flash floods due to these projects.

The forum of Power Ministers of the NE region request you to impress upon the Central Electricity Authority and the Central Water Commission to carry out a comprehensive Cumulative Environmental Impact study of river basins and the downstream impact of hydro-electric projects being set up in the North East. Equally necessary is providing R&R to affected population both upstream and downstream. The downstream states should be compensated equally in terms of free power.

**We would also request your good self to intervene into the matter so that some percentage of free power should be provided to the affected downstream States as relief measure from Mega Hydro Projects to be set up in the North Eastern Region.**

**4. INCLUSION OF SIKKIM STATE AS CONSTITUENT OF NORTH EASTERN REGIONAL POWER COMMITTEE**

Although all the development activities in Sikkim State are taking place with financial assistance through North-Eastern Council **(NEC)/DoNER**, the benefits from development in the State are being availed by Eastern Regional States only. Many hydro projects are existing or are under execution in the Sikkim State. However, the State of Sikkim is presently a constituent member of Eastern Regional Power Committee. We, therefore, submit to your honour for kindly considering

inclusion of Sikkim State as constituent member of North-Eastern Regional Power Committee and for amendment of the relevant provisions in the resolution dated **29.11.2005** published in the Gazette of India, so that the States of North Eastern Region are able to fully derive benefits from major hydro projects developed in the State of Sikkim.

<p><b>Date &amp; Venue of the next meeting</b></p>
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The next meeting of TCC & NERPC is proposed to be held in Feb/March, 2012. Exact dates and venue shall be intimated later. As per roster PTC will be the host for the 13<sup>th</sup> TCC/RPC Meetings.

*The meeting ended with thanks to the Chair.*

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ANNEXURES

**List of Participant in 12<sup>th</sup> TCC Meeting**

<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
<b>Arunachal Pradesh</b>	No representative	
<b>Assam</b>	<ol style="list-style-type: none"> <li>1. P. K. Dutta</li> <li>2. G. K. Das</li> <li>3. B. Paul</li> <li>4. R.L. Barua</li> <li>5. Sanjeev Goswami</li> <li>6. J. K. Baishya</li> <li>7. K. Goswami</li> </ol>	CGM, (Comml), AEGCL CGM, (LD&C), AEGCL CGM, T&T, AEGCL GM (HQ), AEGCL OSD to Power Minister, Govt. of Assam AGM, SLDC, AEGCL AGM (Comml), APDCL
<b>Manipur</b>	<ol style="list-style-type: none"> <li>1. L. Priyokumar</li> <li>2. M. Jadumani Singh</li> </ol>	Addl. Chief Engineer (P) Superintending Engineer (P)
<b>Meghalaya</b>	<ol style="list-style-type: none"> <li>1. K. Marbaniang</li> <li>2. A. Kharpran</li> <li>3. F. E. Kharshiing</li> </ol>	Chief Engineer (T&T) Superintending Engineer, SLDC Executive Engineer (SLDC)
<b>Mizoram</b>	<ol style="list-style-type: none"> <li>1. C. L. Thangliana.</li> <li>2. C. Lianlunga</li> <li>3. Jolly Newman</li> </ol>	Engineer- in- Chief Superintending Engineer (SLDC) Jt. Secretary (P)
<b>Nagaland</b>	<ol style="list-style-type: none"> <li>1. D. Basumatari</li> <li>2. Bendang Longkumer</li> </ol>	Chief Engineer (P) Executive Engineer, SLDC
<b>Tripura</b>	<ol style="list-style-type: none"> <li>1. M. K. Chakrabarty</li> <li>2. M. Debbarma</li> </ol>	General Manager (T), TSECL Addl. General Manager, TSECL
<b>NHPC</b>	<ol style="list-style-type: none"> <li>1. V.K. Singh</li> <li>2. Harsimram</li> </ol>	GM (Comml) Manager
<b>NEEPCO</b>	<ol style="list-style-type: none"> <li>1. P. K. Singha</li> <li>2. Bhaskar Goswami</li> </ol>	Executive Director (O&M) Sr. Manager (E)
<b>NERLDC</b>	<ol style="list-style-type: none"> <li>1. T. S. Singh</li> <li>2. A. Mallick</li> </ol>	Addl. General Manager Chief Manager
<b>POWERGRID</b>	<ol style="list-style-type: none"> <li>1. D. K. Sarma</li> <li>2. N.K. Jain</li> <li>3. Avinash. M. Pavgi</li> <li>4. Kamal Sarkar</li> <li>5. A.S. Kushwaha</li> <li>6. Rakesh Verma</li> <li>7. Prasanta Kanungo</li> </ol>	General Manager (NERTS) General Manager (Coml.) Addl. General Manager (Engg) Addl. General Manager (OS) Addl. General Manager Chief Manager Chief Manager

**ANNEXURE - I**

<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
<b>NTPC</b>	<ol style="list-style-type: none"> <li>1. J. Nanda</li> <li>2. S.K. Kar</li> <li>3. A.K. Srivastava</li> </ol>	Regional ED (East – II) Addl. General Manager (OS) Dy. General Manager
<b>NVVN</b>	<ol style="list-style-type: none"> <li>1. K.S. Bandyopadhya</li> </ol>	DGM (BD)
<b>CEA</b>	<ol style="list-style-type: none"> <li>1. Major Singh</li> <li>2. R.K. Verma</li> </ol>	Chief Engineer (DMLF) Director (DPD)
<b>OTPC</b>	<ol style="list-style-type: none"> <li>1. S. K. Dube</li> <li>2. Amit Dabas</li> </ol>	Managing Director Asst. Manager
<b>NETC</b>	<ol style="list-style-type: none"> <li>1. Umesh Chandra</li> </ol>	Managing Director
<b>NERPC</b>	<ol style="list-style-type: none"> <li>1. P.D. Siwal</li> <li>2. A.K. Mishra</li> <li>3. B. Lyngkhoi</li> <li>4. D. K. Bauri</li> <li>5. S.M. Aimol</li> </ol>	Member Secretary I/C Suptdg. Engineer (Comml) Assistant Secretary Executive Engineer Executive Engineer

**List of Participant in 12<sup>th</sup> NERPC Meeting**

<b><u>Name</u></b>	<b><u>Designation</u></b>
1. Er. A. T. Mondal	Hon'ble Power Minister, Meghalaya & Chairperson, NERPC
2. Sh. Pradyut Bordoloi	Hon'ble Power Minister, Govt. of Assam
3. Sh. D.Y. Sema	Hon'ble Power Minister, Govt. of Nagaland
4. Sh. Lal Thanzara	Hon'ble Parliament Secretary (Power), Govt. of Mizoram

<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
<b>Arunachal Pradesh</b>	No representative	
<b>Assam</b>	1. S.C. Das 2. S. K. Handique 3. P. K. Dutta 4. G. K. Das 5. B. Paul 6. R.L. Barua 7. Sanjeev Goswami 8. J. K. Baishya 9. K. Goswami	Chairman, ASEB Managing Director, AEGCL CGM, (Comml), AEGCL CGM, (LD&C), AEGCL CGM, T&T, AEGCL General Manager (HQ), AEGCL OSD to Power Minister, Govt. of Assam AGM, SLDC, AEGCL AGM (Comml), APDCL
<b>Manipur</b>	1. L.P. Gonmei 2. L. Priyokumar 3. M. Jadumani Singh	Principal Secretary (Power) Addl. Chief Engineer (P) Superintending Engineer (Elect)
<b>Meghalaya</b>	1. K. Marbaniang 2. A. Kharpran 3. F. E. Kharshiing	Chief Engineer (T&T) Superintending Engineer, SLDC Executive Engineer (SLDC)
<b>Mizoram</b>	1. C. L. Thangliana. 2. C. Lianlunga 3. Jolly Newman	Engineer- in- Chief Superintending Engineer (SLDC) Jt. Secretary (P)
<b>Nagaland</b>	1. D. Basumatari 2. Bendang Longkumer	Chief Engineer (P) Executive Engineer, SLDC
<b>Tripura</b>	1. Manish Kumar 2. N.S. Chakraborty 3. M. K. Chakrabarty 4. M. Debbarma	Principal Secretary (P) CMD, TSECL General Manager (T), TSECL Addl. General Manager, TSECL
<b>NHPC</b>	1. V.K. Singh 2. Harsimram	GM (Comml) Manager
<b>NEEPCO</b>	1. P.C. Pankaj 2. U.C. Moral 3. A.G. West 4. P. K. Singha 5. Bhaskar Goswami	CMD Director (T) Director (F) Executive Director (O&M) Sr. Manager (E)
<b>NERLDC</b>	1. T. S. Singh 2. A. Mallick	Addl. General Manager Chief Manager

**ANNEXURE-II**

<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
<b>POWERGRID</b>	<ol style="list-style-type: none"> <li>1. D. K. Sarma</li> <li>2. N.K. Jain</li> <li>3. Avinash. M. Pavgi</li> <li>4. Kamal Sarkar</li> <li>5. A.S. Kushwaha</li> <li>6. Rakesh Verma</li> <li>7. Prasanta Kanungo</li> </ol>	General Manager (NERTS) General Manager (Coml.) Addl. General Manager (Engg) Addl. General Manager (OS) Addl. General Manager Chief Manager Chief Manager
<b>NTPC</b>	<ol style="list-style-type: none"> <li>1. I.J. Kapoor</li> <li>2. J. S. Nanda</li> <li>3. S.K. Kar</li> <li>4. A. K. Srivastava</li> </ol>	Director (Comml.) Regional ED (East-II) AGM DGM
<b>NVVN</b>	<ol style="list-style-type: none"> <li>1. Anil Kumar</li> <li>2. K. S. Bandyopadhyaya</li> </ol>	CEO DGM (BD)
<b>CEA</b>	<ol style="list-style-type: none"> <li>1. K.K. Agrawal</li> <li>2. Major Singh</li> <li>3. R.K. Verma</li> </ol>	Member (GO&D) Chief Engineer (DMLF) Director (DPD)
<b>OTPC</b>	<ol style="list-style-type: none"> <li>1. S. K. Dube</li> <li>2. Amit Dabas</li> </ol>	Managing Director Asst. Manager
<b>NETC</b>	<ol style="list-style-type: none"> <li>1. Umesh Chandra</li> </ol>	Managing Director
<b>NERPC</b>	<ol style="list-style-type: none"> <li>1. P.D. Siwal</li> <li>2. A.K. Mishra</li> <li>3. B. Lyngkhoi</li> <li>4. D. K. Bauri</li> <li>5. S.M. Aimol</li> </ol>	Member Secretary I/C Suptdg. Engineer (Comml.) Assistant Secretary Executive Engineer Executive Engineer

**SPEECH OF SHRI LAL THANZARA,  
HON'BLE PARLIAMENT SECRETARY,  
POWER & ELECTRICITY DEPARTMENT, GOVT. OF MIZORAM  
ON THE OCCASION OF THE 12<sup>TH</sup> NERPC MEETING  
HELD ON 15<sup>TH</sup> NOVEMBER, 2011 AT AMRITSAR.**

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Respected Chairman, NERPC & Hon'ble Power Minister, Govt. of Meghalaya, Shri Mondal Ji, Hon'ble Power Minister, Govt. of Assam, Shri Bordoloi Ji, Hon'ble Power Minister of Nagaland Shri Sema, Officials representing the State Governments, Corporations, Central and Trading Organizations, distinguished Guests, Ladies and Gentlemen and friends from the Media.

It is a pleasure to be present here amidst you in this august meeting. At the outset, I would like to acknowledge and thanks the Director (Coml.) of NTPC for the warm and excellent arrangement of the 12th NERPC meeting here at the Holly city of Amritsar. I would like to extend a warm welcome to all the participants of the 12th NERPC meeting in this sacred beautiful city. I am sure all the Delegates are having a comfortable stay here.

It has come to my knowledge that a number of positive decisions has already been discussed & resolved in the Technical meeting held yesterday for the mutual benefit of all the stake holders for an efficient and integrated transmission and supply of electricity which, I believed, would certainly facilitate co-ordination of facilities for the generation, transmission and distribution of electricity in the NE Region in particular and the country as a whole.

In regards to the system reliability within the 132 KV pocket, the restoration of the 132 KV Loktak- Jiribam Circuit-1 is very important. If it is not for the effort made by POWERGRID to maintain the 132 kV Loktak-Jiribam line Circuit - II during these years, it would not be possible to meet the load demand within the 132KV pocket and

**Annexure-III**

especially to Mizoram. The effort made by POWERGRID to maintain the line under such prevailing circumstances deserves appreciation. I request the Govt of Manipur to take an active initiative action for completion of the remaining 39 Km beyond the Rengpang S/S at the earliest.

With the commissioning of many new power projects in the Region, setting up of SLDC is the topmost priority as the state will not be able to plan their load management and hence POWERGRID should finalize the DPR and also set up the SLDC on top priority.

Commissioning of tie-line between New Melriat (PG) and - Melriat (Mizoram) also need to relook by POWERGRID as Mizoram will not be able to draw 70 MVA power from the new Melriat (PG). So the line should be constructed at 132 KV level along with associated sub-station at Melriat (Mizoram).

I also emphasize on POWERGRID to include an additional requirement of 60 KM for Mizoram in the DPR of OPGW Based Communication System for the benefit of communication system to link between Inter-state transmission system and the state's sub-stations.

I also urged upon my counterpart of Assam & Meghalaya to expedite in getting the forest clearance at the earliest so that the 400 kV Double Circuit from Silchar to Bongaigoan could be completed in time. Also Byrnihat S/S in Meghalaya and Azara S/S of Assam should be completed matching the commissioning schedule of Pallatana.

With the revision of tariff of Central Sector Generating Stations by CERC for the period of 2009-2014 against various projects, all the states in North East has to pay heavy amount to respective generators. It would not be possible for the state to enforce upon the poor consumers for its recovery within 6 months time. I would like to take a resolution in this forum to approach CERC to give an exemption not to clear the

**Annexure-III**

outstanding dues within stipulated time of 6 installments only but to give some more time for the states to take up the matter with their respective Regulatory Commission for tariff filing.

In regards to the capacity generation of power in the State, Govt. of Mizoram has taken initiative to exploit the hydro potential available in the state with great pace and to name some of these power projects are:

1. **Kolodyne** (460 MW) for which the work was awarded to NTPC Ltd. To be executed on BOOM model under PPP mode. The NTPC has already started the preliminary work.
2. **Tuirial** (60 MW) - The project was revived by the State Govt. and is now being taken up by NEEPCO.
3. **Tuivai** (210 MW) - The project will be executed through PPP mode and tentative date of completion is expected within 5 years.
4. Besides these, the State Govt. also plan to develop some projects in the near future like Lungreng (815 MW), Chimtuipuii (640 MW), Mat HEP (76 MW), Tuivawl (42 MW) and Tuirini (38 MW). The Govt. of Mizoram had signed MOAs with NEEPCO on 26.03.2010 for investigation, preparation of DPR and subsequent execution of these projects.

I once again expressed my gratitude for your patience in listening my speech and I thank NTPC and its team for making a comfortable stay in Amritsar. I also expressed my sincere thank to the NERPC team who has worked very hard in making the succesful meeting.

Thank You/Sasrikal

**Jai Hind!**

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**SPEECH BY SHRI D. Y. SEMA,  
HON'BLE POWER MINISTER, GOVT. OF NAGALAND  
ON THE OCCASION OF THE 12<sup>TH</sup> MEETING OF THE  
N. E. REGIONAL POWER COMMITTEE  
HELD ON 15<sup>TH</sup> NOVEMBER 2011 AT AMRITSAR**

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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. However, the term of Hydro Power House is not applicable unless the potential is tapped to the full capacity. He urged upon the developers of power project who are from outside the region should not only come for benefits only but they should contribute for the development of this region.

**ANNEXURE-IV**

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 National Thermal Power Corporation Ltd. for the excellent arrangement made for the meeting.

**Thank You.**

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**SPEECH BY SHRI PRADYUT BORDOLOI,  
HON'BLE MINISTER OF POWER,  
GOVT. OF ASSAM ON THE OCCASION OF THE  
12<sup>TH</sup> MEETING OF THE N .E. REGIONAL POWER COMMITTEE  
HELD ON 15<sup>TH</sup> NOVEMBER, 2011 AT AMRITSAR**

---

**My counterparts from other North Eastern states, officials of Central and State Governments as well as other Central and State organizations, ladies and gentlemen.**

It is a great pleasure for me to be in this august gathering on the occasion of the 12<sup>th</sup> NERPC meeting and I would like to focus on few issues that I feel are relevant for this forum.

**Power Scenario**

In the last couple of months the entire region faced challenges of maintaining the power delivery system in the face of severely reduced hydro-generation. Lack of rains coupled with rising temperature has further compounded the problem. In Assam we had peak hour shortages to the tune of 300 to 350 MW. I once again urge upon the utilities operating thermal plants in the region to gear up their generations and ensure maximum possible generation. For example Kathalguri, the largest gas based station of the region with an installed capacity of 291 MW has not been able to generate to its optimum level even in the peak load hours. During January 2011 the station could generate almost to its full capacity and on that basis the CERC had approved the tariff as per the installed capacity of the station. Now we find that that the station has not been able to generate more than 220 MW because of various problems including a chronic compressor related one.

I take this opportunity to request the members of the NERPC to collectively take up with hydro carbon producers i.e. OIL / ONGC to increase and accelerate gas supply to the power generating stations of our region. Further, I also propose monitoring of the gas pressure online through the existing SCADA so as to obtain valid information on the availability of gas from time to time to ascertain the quantum of power Kathalguri is able to generate and also to take corrective measures, if any.

## **1.1 Generation**

With expansion of delivery system including completion of village electrification under RGGVY, quick capacity addition in generation is the only way out to deal with the power shortages. The Central and State Government should explore all possibilities to harness the still untapped resources of the region either directly by themselves or by inviting public or private sector agencies who have expertise in generation sector. However we need to be careful in exploiting these natural resources. If large dams are envisaged they must take into account the fragile ecology of the region and address all environmental concerns of the downstream states. All hydro electric projects must also be subjected to stringent safety requirements on account of the delicate seismic nature of the region. They must also be combined with flood control and catchment area management requirements that meet the concerns of all the affected states. I am again reiterating that Assam would be the worst affected state due to the Mega Hydel Projects coming up in the upper reaches of the Brahmaputra. The Inter Ministerial Group (IMG) set up at the initiative of the Power Ministry should carry out detail comprehensive study including the various geological conditions, whether large dams are safe or whether proper technological input have been incorporated in the structural design of the man made river dams in these areas. Before that Arunachal Pradesh should desist from allowing reckless construction of big dams on the same river by various promoters. We would once again request the Government of India to constitute North East Water Resource Authority (NEWRA) to deal with these issues.

The formula for sharing power from such schemes must be reviewed. In fact all of you know that the public are seriously agitated over the perceived dangers of such dams. All their concerns must be addressed. Further the existing criteria based on submergence of area under the reservoir created by the dam are not enough. Proper weightage must be given to lower riparian states whose ecology and agrarian life is disrupted due to such schemes.

To highlight these issues we have placed an agenda in this meeting wherein we have stated that,

**Quote**

“When several Hydro Electric Projects are put up in the course of the same river that passes through more than one state and even if these are slated to be Run of the River Projects, the downstream state must be consulted in the process of decision making such as allotment of terms, preparation of Detail Project Report and sharing of free power. Moreover a concrete Reservoir Regulation Policy has to be put in place binding on all the Hydro Electric Projects on the same river so that the framework addresses the issues of Upstream and Spillway Management and also make developers accountable for River Training and Dredging activities in the downstream. Further the existing parameter of giving free power to the distressed state only on the consideration of submergence factor in the upstream needs to be revised and sufficient share of free power should also be provided to the affected downstream state.”

**Unquote**

“I would request this august gathering to deliberate on this agenda so as to evolve at a common consensus.”

Through this forum I would like to thank the Ministry of Power which had agreed to allocate the power from Pallatana Project to NE States. It should be our endeavor to remove all hurdles and move forward with a view to commission the project and complete the evacuation system at the earliest possible time. I would also like to re-iterate that it is only because of the bold decision taken by the Government of Assam that the largest thermal generating station of the region at Bongaingaon will be commissioned by NTPC at record time. I am happy to inform all of you that the Lakwa Waste Heat Project of capacity 37.2 MW is expected to be fully commissioned this year and the Namrup Replacement Project (100MW) is expected to be commissioned by beginning of 2013. Further we have also taken up with the Central Government for giving us the coal linkage for setting up the Margherita Thermal Project. Ground works for 150 MW Lower Kopilli Hydro Electric Project is also on. Assam Government has also formulated a Small Hydro Policy and has initiated works for establishing mini hydro projects in the PPP mode for about ten projects.

**ANNEXURE- V**

So far as Central sector is concerned NHPC and NEEPCO should try to commission their projects in NER within the scheduled commissioning time. In this connection the Kameng HEP (600MW) of NEEPCO and Subansiri HEP (2000MW) of NHPC are crucial for this region as well as for the nation to meet the future load growth.

**1.1.1. Facilitation of Resources for Generating Projects.**

With the steep increase of cost for natural gas-states like Assam and Tripura have had to incur heavy losses. Even other states also have to pay more money to procure power from CPSU like Kathalguri Project. Therefore NERPC should take up with the Government of India to facilitate supply of natural gas to projects in North Eastern Region in old APM structured rate. The oil and natural gas resources in Assam and elsewhere can support several small sized power generating stations. These however would be possible only when Ministry of Petroleum, Government of India comes forward to provide the necessary gas linkage. While efforts must be made to maximize production of oil and gas in our oil fields, the National Gas Grid must be extended from the rest of India to include our region. There is also strong case for taking up a dialogue with the neighbouring countries like Myanmar and Bangladesh so that available natural gas can be used for power generation in our region.

Similarly the Ministry of Coal must give a special scheme to power generation projects for our region. The way the Power Ministry has lowered the eligibility of Ultra Mega Power Projects in case of NE region -the Coal Ministry also should provide coal linkage to coal based thermal power projects to be set up in our region with special criterion. The stipulation of at least 200 MW project for getting coal linkage from the 12<sup>th</sup> Plan should be lowered to 50 MW in our region.

**1.2 Transmission**

I have been advocating creation of a robust transmission system within the region as well as inter regional links with 90% grant from the Central Government. This is the only possible way to accelerate the pace of capacity addition in the

**ANNEXURE- V**

region. It may be noted that Power Grid Corporation of India Limited in consultation with CEA has already prepared detailed project reports for development of a comprehensive transmission system for the region. It is necessary to design the transmission system with high capacity corridor taking into account all the projects in a particular basin. Fragmented development of transmission system entails very high resentment among farmers and landowners as fertile plain land is diverted from agriculture. The objective should be to avoid unnecessary public resentment arising out of land acquisition.

**(a) AEGCL's Role**

As already mentioned, Assam has seen substantial load growth. The rapid load growth projected for coming years require unrelenting efforts towards up-gradation of system capacity and create redundancy. At present the State Transmission Utility, is maintaining a transmission network of 4764.36 circuit kilometer of EHV lines along with 51 substations having total transformation capacity of 3400 MVA. It is a matter of pride, that the transmission system is consistently maintained at an availability of above 98% which is at par with the national standard. Transmission loss has been brought down to 4.81% during the year 2010-11.

**(b) Evacuation System of up-coming projects.**

The State Transmission System is being linked with absorption of power from the up-coming generating stations of the region, Pallatana GBPP(OTPC), Bongaigaon TPS(NTPC), Subansiri Lower HEP(NHPC) etc.

In view of the above, proportionate strengthening of State Transmission System also needs to be done matching the upcoming generation capacity. For evacuation of Assam's share of power from the above 1<sup>st</sup> two projects, work has already been started for construction of 2x315MVA, 400/220KV sub-station at Mirza, linking it by L1LO of 400KV Pallatana-Silchar-Bongaigaon line (both funded by the Govt. of Assam) and L1LO of the existing 220KV Salakati-Agia-Sarusajai line.

**ANNEXURE- V**

For providing start-up power to Bongaigaon TPS (NTPC), two numbers of 220KV line bay are under construction at 220KV Salakati sub-station of AEGCL.

**(c) Power from Bhutan**

AEGCL has already built the infrastructure for evacuation of power from Kurichhu Power Project in Bhutan, at 132 KV Rangia GSS of AEGCL; we request the Authority to allocate Assam's share of power from this project.

**(d) Works under various schemes.**

To cater to the need of improving transmission system and to meet the requirements of increasing demand of both industrial and rural load in the state, a number of transmission projects have been undertaken under the funding of ADB, NEC etc. besides State's own resources. Under ADB funding there will be additions of 343.5 KM of 220KV transmission lines, 162KM of 132KV transmission lines and 1800MVA transformation capacity in 220/132KV & 132/33KV level.

In order to improve the communication network, OPGW is being laid on 460KM of existing transmission lines.

**(e) Construction of second circuit of 132KV Ranganadi-Nirjuli line**

There are certain line constraints as a result of which shedding has to be resorted to even when power is available in the system. The constraint in Ranganadi-Nirjuli line can be cited as an example. At present the only available single circuit of 132KV Ranganadi-Nirjuli is catering to the load of North Bank of Assam and Arunachal Pradesh. Due to rapid growth in the demand of Arunachal Pradesh, this line is now unable to cater to the entire demand of North Bank of Assam and Arunachal Pradesh. To remove this bottleneck in north bank the only we need to construct is a second circuit of 132KV Ranganadi-Nirjuli line. If this is done then this will not only help the North bank and Arunachal Pradesh to get rid of the constraint but will also provide a

**ANNEXURE- V**

redundant inter regional link from Ranganadi to NE region. Action may please be taken in this regard.

**1.2. Distribution**

It appears to be a national phenomenon that the Government as well as Private Sectors are concentrating on Generation while the issues affecting Distribution and Power Delivery System have not been addressed. Most of our states in the region have very pathetic sub-transmission and distribution network. As a result our power demand is highly suppressed while we are yet to reach out every nook and corner of our states. The APDRP in the 10<sup>th</sup> plan was a boon but we could not avail the scheme in its totality. The R-APDRP is also going to be beneficial but the missing links need to be bridged by additional investment in the Distribution Sector. That is why we must ask the Power Ministry to give a special scheme for our region to build additional sub-transmission and distribution lines alongwith Distribution Sub-Stations. The NERPC members should also raise a demand to utilize the Power System Development Fund (PSDF) accumulated in the hands of CERC for implementing this kind of special scheme for our region.

**2. Rajiv Gandhi Gramin Vidyutikaran Yojana**

Under Rajiv Gandhi Gramin Vidyutikaran Yojana 17,510 nos of villages have already been electrified out of 21,315 nos sanctioned in Assam. So far 7,04,876 BPL families have been provided free connection. Though the progress has been a little slow on the uptake because of shortage of poles in the N.E. Region, the progress has now picked up and we hope to complete most of the projects within the current financial year. Many Sub-stations have been commissioned and few are in various stages of completion. It may, however, be noted that habitations in Assam villages are spread out and the existing parameters sanctioned by the Rural Electrification Corporation and Ministry of Power are not sufficient to cater to the needs of the entire village leading to lot of resentment among the left out geographies and people. We have therefore submitted supplementary DPRs for sanction of additional fund requirement and so far Revised Cost Estimates for 7 districts have been approved by REC Ltd. We have been in constant touch with

**ANNEXURE- V**

REC Ltd. and as I understand the situation is similar in the other states as well, I request my counterparts from the other NE states to take up with REC Ltd. the issue of sanctioning the Revised Cost Estimates at the earliest.

**3. R-APDRP**

Assam Government proposes to take up strengthening of distribution network of 67 towns of the state within next 3 years with a view to provide quality power supply to the consumers and bring down the transmission and distribution losses in the towns by 15% or below. Common Request for Proposal (RFP) for selection of IT Implementing Agency for entire NE States floated and M/s Tata Consultancy Services Ltd (TCS Ltd) has been selected as common ITIA for NE States. The Contract Agreement has been signed by some states like Assam, Meghalaya and Tripura. I hope with the implementation of this programme the overall power scenario shall Improve.

I hope the deliberations in this meeting will be fruitful in achieving the desired result in the power sector of the region.

At the end my special thanks to the organizers of the meeting namely NERPC Secretariat and NTPC who have taken pains to arrange and host this meeting at Amritsar at such a short notice. I wish you all a great success in this meeting.

Thank you!

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**SPEECH BY SHRI A. T. MONDAL,  
FIE, HON'BLE MINISTER OF POWER,  
GOVT. OF MEGHALAYA & CHAIRMAN, NERPC ON THE OCCASION OF  
THE 12<sup>TH</sup> MEETING OF THE N .E. REGIONAL POWER COMMITTEE  
HELD ON 15<sup>TH</sup> NOVEMBER 2011 AT AMRITSAR**

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My dear friends and counterparts from North Eastern States, Officials representing the State Governments, Corporations, Central and Trading Organizations, distinguished Guests, Ladies and Gentlemen and friends from the Media.

It gives me immense pleasure to be present here amidst you all in this august gathering.

At the outset, I wish to thank the Director (Commercial) of National Thermal Power Corporation Limited and his team for the warm and marvelous arrangement of this 12th NERPC meeting away from our North Eastern Region here in this holy city of Amritsar.

I would like to extend a warm welcome to all the participants of the 12<sup>th</sup> NERPC meeting being conducted here, the beautiful city of Amritsar. I am sure all the Delegates are having a comfortable and pleasant stay. I also hope that the deliberations at the meetings will benefit all the NER States in particular and the country in general.

I am pleased to know that after thorough checking of the 220KV Misa-Killing lines was carried out, the line connectivity has considerably improved. Construction of 132Kv multi circuits between Killing and Byrnihat sub stations and another 132Kv double circuit lines between Killing & EPIP-II sub stations are in full swing. I look forward to the early commissioning of the long awaited Myntdu-Leshka HEP in Meghalaya, which, unfortunately was delayed due to some technical problems at the time of load throw test.

**ANNEXURE- VI**

It is an undeniable fact that power demand is always on the increasing trend all over the country as well as in all the North Eastern states. At present the major problems encountered in the region are, inter-alia, inadequate generating capacity, transmission constraints mainly due to inadequacy of transmission network in the Region 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 with special mention of the Subansiri HEP, Bongaigaon Thermal Power Stations and Pallatana Gas Based Station in Assam and Tripura respectively. I am very confident that the first Module of 363MW of the proposed 726MW plant at Pallatana will be completed as targeted i.e. February, 2012. It is to be noted that commissioning of projects as scheduled 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.

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 generation 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 that up-gradation of SLDCs in the states of Assam, Meghalaya & Tripura with the latest technology & setting up of full-fledged SLDCs in the remaining four States of NER is the most important and need of the hour.

**ANNEXURE- VI**

NE Region is endowed with abundant resources for development of power especially hydro potential. Unfortunately, most of these resources remain untapped. However, of late, NER states have taken the initiatives towards addition of generation 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 R-APDRP and RGGVY with the ultimate objective of providing electricity for all by 2012. Construction of new Umtru HEP (2x20 MW), Ganol HEP (3x7.5MW) and 132 kV Agia-Nangalbibra and 132KV Sumer-Mawngap lines and sub stations by MeECL are in full swing. Once again, it will our priority to ensure that the construction of LILO of 400 Kv Pallatana-Bongaigaon line along with 400/220 kV Sub-Station at Byrnihat is completed at the earliest. I would request my counterparts from Assam to put all efforts for completion of the designated LILO lines and substations, so that full utilization of power from forthcoming projects is tapped for the interest of all the Beneficiaries in the NE Region.

Recently, CERC has taken strong note on overdrawal of power during the time of the day when the frequency is below the IEGC range. In this regard, it is the duty of all constituents to see that installation of under frequency relays for different frequency band is done and performance is in order. 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. There are also ambitious plans for capacity addition in generation, incentives, and disincentives for maintaining grid discipline, decentralized management of distribution through franchisees and others, provision for private transmission

**ANNEXURE- VI**

licensees, with the aim to make power affordable to the common man.

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. I am happy to learn that there was no power interruption during the last concluded Durga and Kali pujas. Further, the efforts of NERPC on matters, relating to training of personnel in power sector in India & abroad in order to equip them with knowledge on the latest technological advancement is indeed, laudable. I feel that such training programme should be encouraged and conducted more frequently. In this regard, I wish to place on record the initiative taken up by the NERPC secretariat for co-ordinating with PSTI, Bangalore for conducting Examination on System Operator Certificate to our Engineers performing duties at different SLDCs of the Region. Having participated in such examination, I believe our system operators will develop strong confidence in their day to day work and thereby emerging into a better and more efficient grid management.

Before I conclude, I wish to extend my special thanks to the organizers of the meetings namely, the NTPC, NERPC and to all my fellow engineers and participants of Northeast constituents and other organizations for attending this meeting, without which, hosting of such momentous event will not be a success.

Let us always strive to overcome all shortcomings and work together for a bright future!

**Jai Hind!**

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**SPEECH OF SHRI PHUNGZATHANG TONSING,  
HON'BLE MINISTER OF POWER, GOVERNMENT OF MANIPUR  
ON THE OCCASION OF THE 12<sup>TH</sup> MEETING OF THE N.E. REGIONAL POWER  
COMMITTEE HELD ON 15<sup>TH</sup> NOVEMBER, 2011 AT AMRITSAR**

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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 12<sup>th</sup> Meeting of the North-Eastern Regional Power Committee. I 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.

Owing to the geographical isolation of this region, many issues are regional specific in nature and we have many challenging tasks ahead to tackle and subdue them. I hope we shall be able to sort out important issues which require special attention of the Government of India for the states of the NER.

Manipur depends almost entirely on Central Sector Stations for the supply of power. However, Manipur is not in a position to receive even their present entitlement. A very important factor that is proving to be a hindrance in receiving our share of power from Central Sector Stations is the problem of weak transmission system linking my state. Capacity enhancement of the existing 132kV Transmission Lines feeding power to Manipur would solve the problem for the time being till the transmission system associated with the generation projects of Pallatana and Boangaigaon become operational.

**ANNEXURE- VII**

132 KV Loktak - Jiribam Ckt-I is important line for the state as well as for the Region. Restoration of this Ckt-I would have been completed but the line could not be restored due to unfavourable environment. At present there are blockades on both National Highways of Manipur w.e.f. 1st August 2011 and the blockades are still continuing. The line restoration work will start immediately as and when the blockades are lifted.

It is really disheartening that during the last three-four years the total energy generation in the region had gone down instead of increasing. Gross energy generation had also decreased substantially while the demand keeps on increasing. However, only a small fraction of hydro-power potential of the region has been tapped. The inclusion of Sikkim as a member of NERPC is welcomed to avail benefits from the projects being set up in Sikkim.

Manipur is looking forward to the generation projects coming up in the region with high hopes for solving the shortage of power. Timely completion of Silchar - Imphal 400 kV D/C line (initially operated at 132 kV) is vital since the line would be drawing Manipur's share from Pallatana and Boangaigaon generation projects. Construction of the line involves diversion of forest area of 135.82 Ha. Forest clearance is a very time consuming process. We are prepared to give whatever assistance is required for timely completion of Silchar - Imphal 400 kV D/C line. Necessary land for the construction of 2x50 MVA, 132/33 KV sub-station (to be upgraded to 400 KV) had already been allocated by the Government of Manipur.

We prefer CRPF instead of CISF at Loktak Power Station (NHPC) as the deployment of the later will be costlier. The Government of Manipur will pursue with the Ministry of Home Affairs to retain CRPF at Loktak Power Station.

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!

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**SPEECH OF SHRI MANIK DEY,  
HON'BLE MINISTER OF POWER, TRANSPORT, RD (PANCHAYAT),  
URBAN DEVELOPMENT, FOOD, CIVIL SUPPLY & CONSUMER AFFAIRS &  
LABOUR, GOVT. OF TRIPURA ON THE OCCASION OF THE  
12<sup>TH</sup> N .E. REGIONAL POWER COMMITTEE MEETING  
HELD ON 15<sup>TH</sup> NOVEMBER, 2011 AT AMRITSAR**

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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.

2. I would like to thank both NERPC and NERLDC for providing great assistance to Tripura in the last Durga Puja Festival during which Tripura could meet its peak demand of 219 MW. I would also like to refer to the special support that was extended to Tripura by Mizoram and Meghalaya by curtailing their own drawal and allowing Tripura to draw its full load requirement in spite of constraints in the 132 KV network utilized for additional drawal of power.
3. We all know that NERPC is persistently striving to keep the NER Power System economic, efficient and reliable. I trust meaningful and actionable outcome would ensue from this meeting, supplementing the ongoing efforts undertaken by the NERPC Secretariat. This is an important for meeting the national objective of providing power to each and every citizens of this region at an affordable price.
4. We have seen that energy demand has increased substantially in Tripura as well as in other adjoining states. In order to meet such increased demand, matching generation is required. We are hopeful that commissioning of Central Sector Generation Projects

**ANNEXURE- VIII**

like Pallatana Gas Thermal Project and Bongaigaon Thermal Power Station will result in meeting of the projected demand in NER. But drawal of power from these projects is linked to completion of Associated Transmission System (ATS) and is essentially required to be completed well before commercial operation. It is understood that forest clearance is posing a major issue for completion of 400 KV transmission line from Pallatana to Bongaigaon. Part of this line up to Silchar may be completed within scheduled time but the remaining portion i.e. from Silchar to Bongaigaon, is at risk of missing scheduled timeframe. Evacuation of full power from Pallatana project and realization of commercial charges by the constituent states is related to timely completion of entire ATS of above projects. Further, Silchar will be up-graded to 400 KV systems but allied 132 KV transmission lines connecting adjoining states also needs strengthening and augmentation for removal of the constraints at 132 KV level. NERPC and PGCIL may take appropriate action in this regard.

5. If possible, transmission linkage through Bangladesh also needs to be looked into for evacuation of Pallatana power to mainland India. This is essential to have a viable alternative to our existing NER-ER chicken neck connectivity with the mainland.
6. New Transmission Charge Sharing Mechanism (i.e. PoC) has been implemented in NER w.e.f 01-07-2011. Under this new mechanism NER states are again found affected heavily with a transmission charge of around Rs. 0.44 per unit while mainland states are paying a transmission charge of only Rs. 0.22 to 0.24 per unit. It is important to recall here that NER had been affected all along with high per unit transmission charges (i.e. Rs. 0.35 per unit under UCPTT regime).
7. Apart from the above, it is noticed that short term customers are paying at Rs. 0.22 to 0.24 per unit as transmission charge under

**ANNEXURE- VIII**

new mechanism while higher transmission charge is applicable to long-term customers (i.e. Rs. 0.44 per unit). In fact, the reverse should have been the case, given the low commercial risks long term commitments create.

8. An important issue of concern is the substantial rise in the price of power from central generating units. It appears that operation and maintenance cost of these units has increased, impacting power pricing. The entire increase in O&M cost is being passed on to State utilities. However, it is not clear if the central generating units are taking any steps to reduce their cost of operation through efficiency improvements. In fact, there are hosts of factors increasing the financial burden on the State utilities, almost crippling them. In June 2010, gas price was increased by nearly 116%. The linkage of the gas price to dollar exchange rate has created continuous pressure on price. We reiterate our demand to the central government to roll back gas price hike in those States where gas based power meets much of the needs.
9. Central generating and transmission units have been passing on additional cost to state utilities, including charging huge arrears, through CERC orders. On the other hand, States are finding it hard to pass on the entire burden to consumers and asking consumers to pay for arrears is an impractical proposition. TSECL was running in profit until 2009-10 but since the gas price increase and linkage of gas price to dollar, the company has begun to run in huge losses despite fuel price adjustment undertaken by upward revision of tariff.
10. Rural Electrification under Government of India's RGGVY Scheme is in progress in the state. The scheme has a provision for sanction of 20% above the approved cost of existing project in order to cover more areas. In case of Dhalai District RGGVY scheme sanction of 20% above the approved cost has been received and

**ANNEXURE- VIII**

work has been completed too. Similar proposals for sanction of 20% above the approved cost for balance 3 Nos. RGGVY Schemes of Tripura has been submitted to Government of India and is awaiting approval from the REC/MOP. We request REC/MOP, GOI to approve these proposals at the earliest.

11. We would like to mention here that the decision of Government of India to implement RGGVY through central PSUs has caused us difficulties and embarrassment. PGCIL has failed to properly implement RGGVY in West and South Districts of Tripura as a result of which Government of Tripura has had to face much public criticism. In the 12<sup>th</sup> Plan, it would be best if responsibility for RGGVY scheme implementation is given to the State Government. We have successfully implemented the scheme in North and Dhalai districts are confident of our capabilities in other districts too.
12. Apart from the above, the existing sanctioned scheme of RGGVY will cover only about 40% of the requirement for providing electricity to all households which is the declared policy of the Government of India. Supplementary Detailed Project Reports (DPR) has been prepared for coverage of 100% village electrification in Tripura and has already been submitted to REC/MOP, GOI for sanction. We request Government of India to consider early approval of these schemes during the 12<sup>th</sup> plan period.
13. Implementation of Part - A of R-APDRP has started recently in North Eastern Region. It is understood that M/s Tata Consultancy Services, Mumbai have been appointed as common IT Implementing Agency (ITIA) for the entire NER. State utilities are seriously concerned about the delay in appointing ITIA due to court case and associated issues, given that the project is linked with loan to grant conversion. Government of India may extend the timeline for project completion as the delay that occurred on account of court case is not attributable to states and should not eventually result in financial burden on us.

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Implementation of Part- B schemes is required to start simultaneously. DPR for Part - B is pending for approval at PFC/MOP, GOI. We request MOP, GOI to consider approval of Part - B schemes providing necessary relaxation in IRR for Tripura.

14. Before I conclude, I must mention one very important issue, which pertains to declining financial health of state utilities. State utilities are unable to recover their cost of supply due to ever increasing cost of power purchase, fuel, wheeling charges coupled with higher AT&C loss. On the other side, the states have social responsibility to provide electricity to all as mandated by the National Electricity Policy irrespective of people's paying capability. Under such situation, financial health of state utilities are declining due to gap between supply cost and cost realized. GOI should consider auditing the cost being passed on by central PSUs to state utilities and encourage lower cost in central PSU operation through efficiency enhancement.
15. Finally, I look forward to participating in future deliberation and hope that discussions today would benefit the NE Region.

**Thank you.**

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