



भारत सरकार Government of India

विद्युत विभाग Ministry of Power

उत्तर पूर्वी क्षेत्रीय विद्युत आयोग

North Eastern Regional Power Committee

उत्तर पूर्वी क्षेत्रीय विद्युत आयोग, अरुणाचल प्रदेश, इटानगर

Meghalaya State Housing Finance Co-Operative Society Ltd.

Building

नॉनग्रिम हिल्स, शिल्लॉंग - 793003

Nongrim Hills, Shillong - 793003.



(आई.एस.ओ.: 9001.2000)

Ph. No 0364 -2520050

Fax No : 0364 - 2520030

email: [msnerpc@dataone.in](mailto:msnerpc@dataone.in)

No. NERPC/AS/Committee/2011/1064-1134

Date: 23<sup>rd</sup> May, 2011

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 11<sup>th</sup> TCC & 11<sup>th</sup> NER Power Committee Meetings held at Kolkata.**

Please find enclosed herewith the minutes of 11<sup>th</sup> TCC and 11<sup>th</sup> NERPC meetings held at "The Ffort Raichak", Kolkata, West Bengal on the 5<sup>th</sup> & 6<sup>th</sup> May, 2011 respectively for your kind information and necessary action. The minutes are also available on the website of NERPC, [www.nerpc.nic.in](http://www.nerpc.nic.in).

आपका / Yours faithfully,

( **बि.के. जैन** / B. K. Jain )

उप-सचिव / Member Secretary

Copy for kind information to:-

1. PS to Chairman, NERPC and Hon'ble Minister of Power, Govt. of Meghalaya, Shillong - 1
2. PS to TCC Chairman, NERPC & 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. Pof 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.JS.S. Marg, Katwaria Sarai, New Delhi – 16
37. Member Secretary, WRPC, MIDC Area, Marol, Andheri (E), Mumbai – 93
38. Member Secretary, SRPC, 29 – R.C. Cross Road, Bangalore – 560 009
39. C.E.O, OTPC, 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.

  
02/03/2024 / Member Secretary

## CONTENTS

ITEM NO.	PARTICULARS	PAGE NO.
I	Proceeding of the 11th Technical Coordination Committee meeting	1-2
II	Proceeding of the 11th NER Power Committee meeting	3-4
1.0	Confirmation of the minutes of 10th TCC & 10th NERPC meetings held on 08.02.11 & 09.02.11.	5
1.1	Follow-up actions of the previous (10 <sup>th</sup> ) NERPC meeting	6-14
	1.1.1 Special Protection Scheme for North Eastern Region	6
	1.1.2 Single-Phase Auto-Reclosure of Transmission Lines	6
	1.1.3 Installation of Line Reactor at Kathalguri end of Misa - Kathalguri Line	8
	1.1.4 Transfer facility in Bus Bar arrangement	8
	1.1.5 Status of 132 KV Kopili – Khandong 2nd Ckt	9
	1.1.6 132 kV Loktak – Jiribam Line Ckt - I	9
	1.1.7 Unified Load Dispatch Centre (ULDC) Scheme for NER	10
	1.1.8 Setting-up/Up-gradation of SLDCs in NER	11
	1.1.9 Installation of new Under Frequency Relays (UFRs) in NER constituent systems and constituent-wise load relief quantum as recommended by the sub-committee	11
	1.1.10 Advancement of peak hours in NER	12
	1.1.11 Annual Design Energy of KHEP (4 x 50MW) for 2004-2009	13
	1.1.12 Receivables of Assam from NER States	14
2.0	Agenda items related to TSECL	14-15
	2.1 Training and certification of NER System Operators – proposal for financial support from NER Reactive Pool A/C or PSDF	14
3.0	Agenda items related to NHPC	15-16
	3.1 Withdrawal of CRPF deployed at Loktak Power Station	15
4.0	Agenda items related to NETC	16-17
	4.1 Deed of Adherence of North East Transmission Company (NETC) not signed by Meghalaya and Nagaland	16
	4.2 Requirement of Equity Contribution of Assam, Tripura & Mizoram	17

<b>ITEM NO.</b>	<b>PARTICULARS</b>		<b>PAGE NO.</b>
<b>5.0</b>	<b>Agenda items related to NERLDC</b>		<b>18-19</b>
	<b>5.1</b>	<b>UI Outstanding</b>	<b>18</b>
	<b>5.2</b>	<b>CAPEX for RC-SLDCs in NER</b>	<b>18</b>
	<b>5.3</b>	<b>WAMS / PMU pilot project in NER</b>	<b>19</b>
	<b>5.4</b>	<b>Status of amount available in NER Reactive Pool Account</b>	<b>19</b>
<b>6.0</b>	<b>Agenda items related to POWERGRID</b>		<b>19-28</b>
	<b>6.1</b>	<b>Security Assistance for maintenance of Transmission Lines in Insurgency prone area in Manipur</b>	<b>19</b>
	<b>6.2</b>	<b>Outstanding Dues of POWERGRID against NER Constituents</b>	<b>20</b>
	<b>6.3</b>	<b>Status of LC required by NER Constituents</b>	<b>21</b>
	<b>6.4</b>	<b>Failure of 132/33KV Transformers at ZIRO &amp; Nirjuli Substations</b>	<b>21</b>
	<b>6.5</b>	<b>ERS- Substation</b>	<b>22</b>
	<b>6.6</b>	<b>Replacement of defective Insulator Strings in Transmission Lines under POWERGRID in NER</b>	<b>23</b>
	<b>6.7</b>	<b>Additional requirements of OPGW based Communication System for Central Sector Sub-stations and Generating Stations and other large generating stations in NER</b>	<b>23</b>
	<b>6.8</b>	<b>Transformation capacity at 132 kV Nirjuli S/S</b>	<b>25</b>
	<b>6.9</b>	<b>Capacity Enhancement of various 132 KV Lines</b>	<b>26</b>
	<b>6.10</b>	<b>Anticipated arrear billing in 2011-12</b>	<b>27</b>
	<b>6.11</b>	<b>CERC regulations on Sharing of Inter-State Transmission Charges and Losses</b>	<b>28</b>
<b>7.0</b>	<b>Agenda items related to Manipur</b>		<b>29-30</b>
	<b>7.1</b>	<b>Shortage of power to Manipur during complete shutdown of Loktak HEP</b>	<b>29</b>
	<b>7.2</b>	<b>Issue of Forest Clearance by Mizoram Government for Tipaimukh H.E. (M) Project (1500 MW) in Manipur and information of JVC</b>	<b>30</b>
<b>8.0</b>	<b>Agenda items related to Mizoram</b>		<b>30-31</b>
	<b>8.1</b>	<b>Status of Rokhia Unit V &amp; VI</b>	<b>30</b>
	<b>8.2</b>	<b>Display of vital information like real time Power Flows in NERLDC website</b>	<b>31</b>
	<b>8.3</b>	<b>Corporate training of Engineers from DOEACC Society</b>	<b>31</b>

<b>ITEM NO.</b>	<b>PARTICULARS</b>		<b>PAGE NO.</b>
<b>9.0</b>	<b>Agenda items related to Assam</b>		<b>31-32</b>
	<b>9.1</b>	<b>New Transmission Policy and need of signing of Bilateral transaction for energy exchange below 132 KV level</b>	<b>31</b>
<b>10.0</b>	<b>Agenda items related to NERPC</b>		<b>32-34</b>
	<b>10.1</b>	<b>Presentation on Point of Connection Charges</b>	<b>32</b>
	<b>10.2</b>	<b>Auditing of Board Fund of NERPC</b>	<b>33</b>
	<b>10.3</b>	<b>Contribution of Board Fund of NERPC by Nagaland</b>	<b>33</b>
	<b>10.4</b>	<b>Contribution of Board Fund of NERPC</b>	<b>33</b>
	<b>10.5</b>	<b>Commissioning Schedule of Generation Projects in NER</b>	<b>34</b>
<b>11.0</b>	<b>Any other items</b>		<b>35-38</b>
	<b>11.1</b>	<b>CERC (Sharing of Inter-State Transmission Charges and losses) Regulations, 2010- List of RPC certified lines - NERPC</b>	<b>35</b>
	<b>11.2</b>	<b>Construction of 132 kV D/C Melriat (Power Grid) – Melriat (Mizoram) line along with two numbers of 132 kV bays at Melriat (Mizoram)</b>	<b>35</b>
	<b>11.3</b>	<b>Construction of 132KV Pasighat-Roing line along with 2Nos of 132KV bays at Pasighat Substation, Arunachal Pradesh</b>	<b>36</b>
	<b>11.4</b>	<b>Construction of 400KV D/C Palatana-Surajmaninagar line to be charged at 132KV</b>	<b>36</b>
	<b>11(A)</b>	<b>Administrative Price Mechanism (APM) of natural gas</b>	<b>37</b>
	<b>11(B)</b>	<b>Procurement of Spare Transformers and Reactors in NER</b>	<b>37</b>
<b>12.0</b>	<b>Date &amp; Venue of the next meeting</b>		<b>38</b>

## ANNEXURES

NO.	ANNEXURES	PAGE NO.
I	List of Participant in 11 <sup>th</sup> TCC Meeting	39-40
II	NERLDC Presentation	41-53
III	List of Participant in 11 <sup>th</sup> NERPC Meeting	54-55
IV	Speech of Shri A.T. Mondal, FIE, Hon'ble Minister of Power, Govt. of Meghalaya & Chairman, NERPC	56-59
V	Speech of Shri Manik Dey, Hon'ble Minister of Power, Transport, RD (Panchayat), Urban Development, Food, Civil Supply & Consumer Affairs & Labour, Govt. of Tripura	60-63
VI	Speech of Shri Lal Thanhawala, Hon'ble Chief Minister of Mizoram	64-65
VII	Speech of Shri Phungza Thang Tonsing, Hon'ble Minister of Power, Govt. of Manipur	66-67
1.1.11	Calculation sheets of financial impact due to change in Design Energy of Kopili	68-74
4.2	Equity contribution by constituents	75
5.1	Unscheduled Interchange status as on 03.04.2011	76
6.7	Proposed Central Sector OPGW lines in NER	77-78
6.10 (i)	NER Assets for which Tariff order is yet to be issued	79
6.10 (ii)	NER Assets under Missing link project and their respective DOCO	80
6.10 (iii)	Constituent wise apportioned amount to NER constituents	81
10.1	NERPC presentation on PoC based sharing of Inter State Transmission Charges	82-93
10.2	Audit report of Board fund of NERPC	94-97

**Summary Record of Discussions**

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

**&**

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

The 11<sup>th</sup> TCC meeting was held on 5<sup>th</sup> May, 2011 at "The Ffort Raichak," Kolkata, West Bengal. The meeting was hosted by National Hydro Power Corporation (NHPC).

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

**Proceedings of the 11<sup>th</sup> TCC meeting**

The meeting started with the welcome address by Shri M.K. Raina, Executive Director (O&M), NHPC Ltd. followed by bouquets presentations to all delegates and lighting of lamps by Sh. B.K. Jain, Member Secretary, NERPC, Sh. C. L. Thangliana Engineer-in-Chief, Dept. of Power, Govt. of Mizoram & Chairman, TCC, Sh. C.D. Saio. Director (Distribution), Me.ECL, Sh. M.K. Raina, ED (O&M), NHPC and Sh. T.S. Singh, Additional General Manager, NERLDC. Sh. M.K. Raina in his address welcomed all TCC members of NER Power Committee and said that NHPC Ltd. was honoured by the opportunity provided to them by the NER Power Committee to host the 11<sup>th</sup> TCC & RPC meetings of NERPC at Kolkata. 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 B.K.Jain, Member Secretary NERPC on behalf of NERPC welcomed all the TCC members and the participants to the 11<sup>th</sup> TCC meeting of NERPC. He thanked the officers of NHPC Ltd. for making excellent arrangements for comfortable stay of the members and participants of the meeting.

Before taking up the agenda item, Member Secretary requested NERLDC to make a presentation on the performance of NER grid. NERLDC in their presentation highlighted the performance of regional grid in regards to frequency profile, availability of power and demand in various states, performance of generating stations, reservoir levels, export/import of power to/from Eastern Region, Market participation of NER States. Presentation by NERLDC is at **Annexure-II.**

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

The TCC meeting was concluded with the vote of thanks by Sh. R. Raina, Chief Engineer (Comml.), NHPC Ltd.

**Proceedings of the**  
**11<sup>th</sup> North Eastern Regional Power Committee Meeting**

The 11<sup>th</sup> NERPC meeting was held on 6<sup>th</sup> May, 2011 at "The Ffort Raichak," Kolkata. The meeting was hosted by National Hydro Power Corporation (NHPC).

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

Members of NERPC expressed deep shock on untimely demise of Shri Dorjee Khandu, Hon'ble Chief Minister, Govt. of Arunachal Pradesh & Ex- Chairman, NERPC and Shri A.K. Sachan, IAS, Ex- Chairman, ASEB and member NERPC. Chairman, NERPC in his condolence message recalled the contribution of Shri Khandu in the development of Arunachal Pradesh and expressed deep shock about the tragic incident and stated that the region had lost a great leader. As a mark of respect in memory of both the ex-members of NERPC one minute silence was observed. Resolutions were also passed in the meeting condoling the untimely demise of both the members. Another resolution was passed to congratulate Shri Jarbom Gamlin, Hon'ble Power Minister, Govt. of Arunachal Pradesh and member NERPC on taking over as Chief Minister of Arunachal Pradesh. The meeting was adjourned for one hour as a mark of respect for the departed leader.

The meeting resumed with the welcome address by Sh. M.S. Babu, Executive Director (Comml.), NHPC Ltd followed by bouquets presentations to dignitaries and lighting of lamp by Er. A.T. Mondal, Hon'ble Power Minister of Meghalaya & Chairman, NERPC, Shri Manik Dey, Hon'ble Power Minister, Govt. of Tripura, Sh. S.K. Handique, Managing Director, AEGCL, Shri B.K. Jain, Member Secretary, NERPC & Shri M.K. Raina, ED (O&M), NHPC Ltd.

Hon'ble Power Minister, Govt. of Meghalaya & Chairman NERPC in his address highlighted the progress of important ongoing Transmission lines and generating stations and stressed the early completion of these projects. In his speech he stated that with the commissioning of 132 kV Kopili-Khandong under missing link and 220 kV D/C Misa-Killing lines, the flow of power to the state of Meghalaya has

become reliable and there has been a considerable relief to the areas of South Assam and states of Tripura and Mizoram. He was happy to inform the house that the first unit of the long awaited Myntdu Leshka HEP was test spinned on 28/04/2011 and further commissioning tests were going on. He also mentioned about Congestion and Point of Connection charges proposed to be introduced and its impact on the states of NE region and mentioned that it would be appropriate if the detailed logic and load flow study adopted for the purpose were made clear to all.

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

Hon'ble Power Minister, Govt. of Tripura in his address stated that the equipments and turbines of Pallatana GTP have started reaching the project site through Bangladesh and hoped that the project would be commissioned as per schedule. Further he stated that many generations projects were in the pipeline and adequate transmission system would be required to absorb maximum power in the region and felt that financial assistance to Power Depts./State utilities from Central Govt. was very essential. He also expressed concern about the increase in gas price and strongly advocated to roll back the price hike for benefit of consumers in the region. Regarding the common AT& C loss target of 15% fixed for the entire country he felt that this needs to be reviewed to 22% considering the landscape & geography of the region.

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

The texts of speech of Hon'ble Chief Minister & I/c of Power, Govt. of Mizoram and Hon'ble Minister of Power, Shri Phungzathang Tonsing, Govt. of Manipur are enclosed at **Annexure - VI & VII** respectively.

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

**Record Notes of Discussions**

**of the 11<sup>th</sup> TCC & 11<sup>th</sup> North Eastern Regional Power Committee Meeting(s)**

ITEM NO. 1	Confirmation of the minutes of 10 <sup>th</sup> TCC and 10 <sup>th</sup> NERPC meetings held on 08.02.2011 and 09.02.2011 at Aizawl.
------------	--

**Deliberation of TCC**

Member Secretary, NERPC stated that the minutes of the 10<sup>th</sup> TCC and 10<sup>th</sup> North Eastern Regional Power Committee (NER Power Committee) meetings held on 08.02.2011 & 09.02.2011 respectively at Aizawl were circulated vide letter no. NERPC/AS/Committee/2011/3926-96 dated 14.03.2011.

NEEPCO vide letter dated 07.04.2011 has given an observation on Item No. 1.1.2 (C-9 page -7 of the minutes).

**Minutes recorded:** *"the time schedule for implementation of SPAR in 132 KV Ranganadi – Ziro line is within six months."*

**Minutes to be recorded:** *"NEEPCO stated that the line is only 6 years old and replacement of the breaker is not commercially viable at this stage."*

No other observations or comments were received from any constituents on the above Minutes of the meetings and the TCC confirmed the minutes of the 10<sup>th</sup> TCC meeting with the amendment proposed by NEEPCO.

**Deliberation of the RPC**

***The RPC confirmed the minutes of 10<sup>th</sup> NERPC meeting.***

ITEM NO. 1.1	Follow-up actions on discussion of 10 <sup>th</sup> NER Power committee meetings.
--------------	---

Status on follow up of the decisions of the 10<sup>th</sup> NERPC meeting is as discussed below:

ITEM NO. 1.1.1	Special Protection Scheme for North Eastern Region:
----------------	---

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:**

*TCC noted as above.*

**Deliberation of the RPC**

*The RPC noted as above.*

ITEM NO. 1.1.2	Single-Phase Auto-Reclosure of Transmission Lines.
----------------	--

The matter was followed up regularly in various OCC meetings and the status of SPAR as reviewed during the 61st OCC meeting is as under.

Sr. No.	Name of the Line	Ownership	Status as given on 61 <sup>st</sup> OCC meeting.
1	400kV Balipara - Ranganadi I&II	RHEP, NEEPCO	NEEPCO & PGCIL informed that joint inspection has been fixed on 15.04.2011. The status will be reviewed in the next OCC.
2	220kV Kopili - Misa # I & II	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
3	220kV Salakati – BTPS - I & II	BTPS, AEGCL	Assam informed that the work is in progress and the same will be completed by May, 2011.
4	220kV Balipara - Samaguri	Samaguri, AEGCL	Assam informed that work at Samaguri will take atleast one year.
5	132kV Aizawl - Zemabawk	Zemabawk, P&E, Mizoram	No representative from Mizoram. status could not be updated.
6	132kV Khandong - Haflong	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
7	132kV Khandong - Kopili	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
8	132kV Loktak - Imphal # II	Loktak, NHPC	Materials would be dispatched in 2 lots from factory and work will be completed within one year.
9	132kV Ranganadi- Ziro	RHEP, NEEPCO	The matter was discussed in 61 OCC meeting and NEEPCO intimated that breaker was only 6 years old and it would not be viable to replace the breaker. It was agreed that Ar. Pradesh would explore possibility of utilizing the breaker and intimate in RPC meeting.

### Deliberation of the TCC:

The current status given during the 11<sup>th</sup> TCC is given below:

Sr. No.	Name of the Line	Ownership	Status as given in TCC meeting
1	400kV Balipara - Ranganadi I&II	RHEP, NEEPCO	In service
2	220kV Kopili - Misa # I & II	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
3	220kV Salakati – BTPS - I & II	BTPS, AEGCL	Will be completed by Sept, 2011.
4	220kV Balipara - Samaguri	Samaguri, AEGCL	Assam informed that work at Samaguri will take atleast one year.
5	132kV Aizawl - Zemabawk	Zemabawk, P&E, Mizoram	Will be completed by Sept, 2011.
6	132kV Khandong - Haflong	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
7	132kV Khandong - Kopili	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement within six months
8	132kV Loktak - Imphal # II	Loktak, NHPC	Will be completed by Aug, 2011.
9	132kV Ranganadi- Ziro	RHEP, NEEPCO	NEEPCO agreed to give the CB to Ar. Pradesh at depreciated rate and procure new CB. Matter would be taken up in OCC as it could not be settled due to absence of Ar. Pradesh representative.

Since, Arunachal Pradesh representative was not present, item 9 could not be discussed. It was decided to take up with Ar. Pradesh in OCC meeting. TCC noted as above.

**Deliberation of the RPC**

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

<b>ITEM NO. 1.1.3</b>	<b>Installation of Line Reactor at Kathalguri end of Misa - Kathalguri Line.</b>
-----------------------	--

The issue has been followed up in OCC meetings and during the 60th OCC meeting held on 11.03.2011 at Guwahati, PGCIL informed that the cost estimate along with agreement has been finalized and the same has been conveyed to NEEPCO on 10.03.2011. The Revised Estimated cost as indicated by POWERGRID is ` 4.444 Crores for 20 MVA reactor.

During the 61st OCC meeting, NEEPCO informed that the revised cost estimate which was received on 10.03.2011 from POWERGRID has been put up to the Management for concurrence.

**Deliberation of the TCC:**

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.

**Deliberation of the RPC**

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

<b>ITEM NO. 1.1.4</b>	<b>Transfer facility in Bus Bar arrangement</b>
-----------------------	---

During the 61st OCC meeting, CGM, LD&C, Assam informed that the installation work at Mariani & Samaguri have been completed in all respect. However, clearance from electrical inspectorate, Govt. of Assam has not been received. Once the electrical clearance is obtained the scheme would be commissioned.

In the 10th RPC meeting it was decided that the scheme may not be implemented at Ranganadi and Kathalguri power stations of NEEPCO due to space constraints.

**Deliberation of the TCC:**

Regarding installation work at Mariani and Samaguri, AEGCL informed that inspection has been carried out but clearance is still awaited and the same would be commissioned by the end of May, 2011.

**Deliberation of the RPC**

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

<b>ITEM NO. 1.1.5</b>	<b>Status of 132 KV Kopili – Khandong 2nd Ckt.</b>
-----------------------	--

The construction of 2nd circuit of 132 KV Kopili – Khandong line has been discussed regularly in every OCC meetings. During the 61<sup>st</sup> OCC meeting, PGCIL informed that the file was presently with nodal officer, Forest Dept. Govt. of Assam and then they will forward it to Regional office of Ministry of Environmental & Forest, Shillong. The final forest clearance is expected very soon. The line is in operation using ERS.

**Deliberation of the RPC**

POWERGRID representative informed that the case is likely to be forwarded to Regional office of Ministry of Environment and Forest at Shillong by 2nd Week of May, 2011 for final clearance.

**Deliberation of the RPC**

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

<b>ITEM NO. 1.1.6</b>	<b>132 kV Loktak – Jiribam Line Ckt – I</b>
-----------------------	---

During the 10th NERPC meeting, ACE, Manipur informed that the line has been charged upto 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:**

Manipur representative stated that they have requested Manipur Govt. to provide security on continuous basis for 2-3 months to enable completion of remaining work.

**Deliberation of the RPC**

ACE, Manipur informed that all the materials have been procured by them and ready for carrying out the work, however, due to non-availability of security the work could not be completed.

Chairman, NERPC stated that this matter has been pending for a very long time and he advised Manipur to take up the matter with Home Department, Govt. of Manipur and complete the above line at the earliest.

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

<b>ITEM NO. 1.1.7</b>	<b>Unified Load Dispatch Centre (ULDC) Scheme for NER</b>
-----------------------	---

In the 10th NER Power Committee meeting, a committee comprising of representatives from POWERGRID, Assam, Meghalaya and Tripura was formed as given below to pursue with DONER for reimbursement of the money related to State portion and report the status in the next RPC meeting.

- 1) Mr. K. Marbarniang, CE, MeECL : Convener of the committee
- 2) Mr. M. Debbarma, AGM, TSECL : Member
- 3) Mr. J. K. Baishya, Sr. Mgr. AEGCL : Member
- 4) Mr. P. Kanungo, CM, PGCIL : Member

**Deliberation of the TCC:**

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 RPC**

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

<b>ITEM NO. 1.1.8</b>	<b>Setting-up/Up-gradation of SLDCs in NER:</b>
-----------------------	---

In the 10th NER Power Committee Meeting, the status given by POWERGRID for four States viz. Ar. Pradesh, Mizoram, Manipur & Nagaland was 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.

**Deliberation of the TCC:**

Mizoram and Nagaland agreed to expedite release of advance payment to POWERGRID latest by July'11.

**Deliberation of the RPC**

Member Secretary informed that Northern Regional Power Committee (NRPC) and Western Regional Power Committee (WRPC) have requested POWERGRID to execute the Project on Turnkey basis for which POWERGRID agreed subject to CERC approval.

Chairman, NERPC suggested POWERGRID to take up the issue during forthcoming Special TCC meeting of NERPC.

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

<b>ITEM NO. 1.1.9</b>	<b>Installation of new Under Frequency Relays (UFRs) in NER constituent systems and constituent-wise load relief quantum as recommended by the sub-committee:</b>
-----------------------	---

In the 10<sup>th</sup> NER Power Committee Meeting, the status given by constituents of NER for installation of UFR is given below:

- 1) Ar. Pradesh: March, 2011
- 2) Manipur : June/July, 2011
- 3) Meghalaya : April, 2011
- 4) Mizoram : March, 2011
- 5) Nagaland : March, 2011
- 6) Tripura : April, 2011

**Deliberation of the TCC:**

The status given in TCC is as below:

- 1) Ar. Pradesh : Unknown
- 2) Manipur : July, 2011
- 3) Meghalaya : Completed
- 4) Mizoram : Completed
- 5) Nagaland : Completed
- 6) Tripura : Sept, 2011

MS, NERPC stated that RPC representative would visit the States to check UFRs and submit the report to CERC.

**Deliberation of the RPC**

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

<b>ITEM NO. 1.1.10</b>	<b>Advancement of peak hours in NER:</b>
------------------------	--

In the 10th NER Power Committee Meeting, it was agreed that MOP would be requested through CEA to revise the peak hours in allocation of unallocated power of CGS in NER during summer and winter months.

NERPC vide even letter dated 21.02.2011 has written to CEA to take up the matter with MOP for revision of peak hours during summer and winter months. The reply is still awaited from CEA and the status will be intimated later.

**Deliberation of the TCC:**

CEA representative stated that they have taken up with MOP. MS, NERPC stated that since quantum of allocation is decided by MoP, for peak & off-peak hours and only advancement of peak hours is proposed during winter months, the allocation

order may be issued by NERPC Secretariat based on RPC decision. TCC approved the proposal of member Secretary, NERPC.

**Deliberation of the RPC**

***RPC endorsed the recommendation of TCC***

ITEM NO. 1.1.11	Annual Design Energy of KHEP (4 x 50MW) for 2004-2009:
-----------------	--

In the 10th NER Power Committee Meeting, Member Secretary informed that NERPC secretariat has carried out a comparative study for the period from April, 2004 to March, 2009 to ascertain the impact of revision of design energy of KHEP on energy charge and capacity charge of KHEP. As the impact was found to be minimal, it was agreed that the study would be given to NEEPCO for analysis at their end and NEEPCO would inform NERPC secretariat within one month their observations if any.

NEEPCO has furnished their detail of calculation considering 1186.14 MU as design energy for the above power station and the impact due to proposed revision of Design Energy is – ` 173.81 lakhs. (i.e. **NEEPCO bill for the period shall reduce by ` 173.81 lakhs**).

The Detailed calculation sheets are attached at **Annexure – 1.1.11**.

**Deliberation of the TCC:**

NEEPCO agreed to revision of design energy w.e.f 01.04.2009, however, requested that no time frame for adjustment of ` 173.81 lakhs may be given at present as they would require internal approval from NEEPCO management. It was decided that NERPC Secretariat shall issue revised REA and the differential amount on account of revision would be adjusted in subsequent bills by NEEPCO after internal approval.

**Deliberation of the RPC**

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

<b>ITEM NO. 1.1.12</b>	<b>Receivables of Assam from NER States:</b>
------------------------	--

Assam informed that all NER states except Nagaland have already cleared the principal portion of the outstanding. Assam has been requesting Nagaland to clear the principal amount. Recently APDCL has sent vide letter dated 20.12.2010 to Chief Engineer, Dept. of Power, Govt. of Nagaland to liquidate the principal amount immediately as ASEB is under pressure from CSGS and CTU to liquidate its payment liability to each of them.

The Executive Engineer, Transmission Division, Dimapur, Nagaland has requested in the 10<sup>th</sup> TCC & NERPC meetings to send a copy of the above letter to him as the payment would be released from his office. Accordingly, reminder was sent on 21.02.2011 in his address also. But till now no payment is released by Nagaland. It is worth mentioning that Assam did not make any business on this transaction. Because of lean shortage of power in the NER during those period, portion of ER power imported by Assam under bilateral arrangement was extended to all neighboring states at the ER tariff only as per advice of NEREB. It may be appreciated that the arrangement was purely extension of helping hand to the neighboring states during lean periods on no gain no loss basis.

**Deliberation of the TCC:**

Nagaland informed that they would liquidate the principal amount within 3 months.

**Deliberation of the RPC**

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

<b>ITEM NO. 2.0</b>	<b>Agenda Items related to Tripura (TSECL)</b>
---------------------	--

<b>ITEM NO. 2.1</b>	<b>Training and certification of NER System Operators - proposal for financial support from NER Reactive Pool A/C or PSDF:</b>
---------------------	--

Tripura informed that Ministry of Power, Govt. of India has decided that training and certification of system operators for the executives of SLDCs are to be carried out in the interest of efficient functioning of SLDCs. Accordingly, Power System Training Institute (PSTI), Bangalore recently announced a short term courses on

training and certification of system operators for the executives and invited participation of SLDC personnel. This type of training course would definitely help to strengthen the SLDC functioning and is a continuous process. But the course fee is found to be high for each programme. State utilities of North Eastern Region may find it difficult to support this kind of costly training and certification programme of continuous nature. In view of the above, it is proposed to arrange funding of the entire programme of training and certification of NER system operators from NER Reactive Pool A/c or PSDF.

**Deliberation of the TCC:**

MS, NERPC informed that he has approached NPTI, Guwahati Centre to devise a 2 week programme out of which 1 week may be in Guwahati and 1 week in Bangalore. It was agreed that residential training expenses may be borne from PSDF. However, other expenses like travelling would have to be borne by the respective states. Each state also agreed to nominate 2 engineers. AGM, NERLDC informed that only Bangalore Centre of NPTI is authorized to conduct certification training programme for system operators. MS, NERPC agreed to obtain the clarification from NPTI and shall revert to states after finalizing the training programme with NPTI.

**Deliberation of the RPC**

***The RPC approved the training programme.***

<b>ITEM NO. 3.0</b>	<b>Agenda items related to NHPC</b>
---------------------	-------------------------------------

<b>ITEM NO. 3.1</b>	<b>Withdrawal of CRPF deployed at Loktak Power Station:</b>
---------------------	---

NHPC informed that as per the decision taken by Ministry of Home Affairs, Govt. of India, CRPF deployed at Loktak Power Station is being withdrawn and CISF is to be inducted for the security of Loktak Power Station henceforth. As per the survey conducted by CISF, deployment of 795 security personnel has been projected for the security of the power station as intimated by Director General, CISF vide their letter dated 04.03.2011.

Presently, the CRPF has been accommodated in the surplus barracks and as such the power station is not incurring any expenditure towards the security. By deploying CISF, power station will have to bear the burden of a huge expenditure of ₹ 28 Crores per annum towards recurring and non-recurring expenditure for deployment of 795 personnel. Apart from above, NHPC also has to meet expenditure on infrastructure like construction of buildings, modern security gadgets, office automation etc for which extra expenditure shall have to be made. This would inflate the operation cost adversely and will lead to increase tariff of the power station. NHPC has already taken up the issue with Ministry of Power, Govt. of India and Secretary (Power), MoP has also taken up the matter with Secretary (Home Affairs), Govt. of India to review the decision of withdrawal of CRPF.

Being an important issue concerning smooth operation of the Loktak power station and as interest of North Eastern States is also involved, NHPC requested the forum to take up the matter through NERPC and NEC for an early review by Home Ministry, Govt. of India.

**Deliberation of the TCC:**

The matter was referred to RPC.

**Deliberation of the RPC**

Chairman, NERPC advised NHPC to write a letter to Ministry of Home Affairs jointly with Govt. of Manipur not to withdraw CRPF who were now deployed at Loktak Power station and NERPC will endorse the proposal. Both NHPC and Manipur agreed.

<b>ITEM NO. 4.0</b>	<b>Agenda items related to NETC</b>
---------------------	-------------------------------------

<b>ITEM NO. 4.1</b>	<b>Deed of Adherence of North East Transmission Company (NETC) not signed by Meghalaya and Nagaland:</b>
---------------------	--

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 Meghalaya & Nagaland. During the 10th NERPC meeting Meghalaya has intimated that they would sign and pay equity

contribution by March, 2011 and Nagaland stated that they would intimate the status at the earliest.

It was decided that NETC may wait till March, 2011 for signing of deed of adherence by Meghalaya and Nagaland and after end of March, 2011 equity share offered to them would revert to OTPC.

**Deliberation of the TCC:**

MD, NETC informed that Meghalaya has given consent and deed of adherence would be signed soon.

CE, Nagaland stated that the matter has been taken up with State Govt. and deed may be signed by Sept, 2011.

**Deliberation of the RPC**

Chairman, NERPC requested NETC to wait for consent from above states till September, 2011 before taking further action. NETC agreed.

ITEM NO. 4.2	<b>Requirement of Equity Contribution of Assam, Tripura &amp; Mizoram:</b>
--------------	--

The quarter-wise projection of requirement of equity contribution of Assam, Tripura and Mizoram up to June 2012 quarter, to maintain debt equity ratio of 80:20 (₹ 1416 crore: ₹ 354 crore) as per the requirement of Share Holder Agreement is given in **Annexure- 4.2**.

**Deliberation of the TCC:**

Mizoram: agreed to pay by July'11

Assam and Tripura: Would pursue with State Govt. to expedite the payment.

**Deliberation of the RPC**

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

ITEM NO. 5.0	Agenda items related to NERLDC
--------------	--------------------------------

ITEM NO. 5.1	UI Outstanding:
--------------	-----------------

Status of UI outstanding as on 03.04.2011 is attached (**Annexure- 5.1**). Meghalaya, Mizoram and Nagaland are the largest defaulters with outstanding of ` 15.91 Crores, ` 8.98 Crores and ` 13.60 Crores respectively.

**Deliberation of the TCC:**

Engineer in Chief, Mizoram stated that outstanding dues would be cleared by July'11.

Nagaland and Meghalaya also agreed to clear the outstanding dues at the earliest.

**Deliberation of the RPC**

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

ITEM NO. 5.2	CAPEX for RC-SLDCs in NER:
--------------	----------------------------

CERC has approved CAPEX of ` 10 Lakh (vide order dated 18/03/2011, Petition no. 100/2010) for Procurement of communication system for communication with RC-SLDCs viz. Arunachal Pradesh, Manipur, Mizoram & Nagaland. Annual Recurring Charges of ` 928902/- (usage charge) need to be agreed by the concerned users viz. Arunachal Pradesh, Manipur, Mizoram, Nagaland and NERLDC.

**Deliberation of the TCC:**

Manipur, Mizoram and Nagaland agreed to share the usage charges as proposed. Consent of Ar. Pradesh could not be taken due to their absence. NERLDC was advised to take up with Arunachal Pradesh giving reference to NERPC decision.

**Deliberation of the RPC**

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

ITEM NO. 5.3	WAMS / PMU pilot project in NER:
--------------	----------------------------------

CERC has approved ` 400 Lakh (vide order dated 18/03/2011, Petition no. 100/2010) for implementation of WAMS and PMU in North-Eastern Region. The expenditure for pilot scheme of WAMS/PMU, shall be incurred under CAPEX after ratification of NERPC which will be adjusted at the time of truing up.

**Deliberation of the TCC:**

All constituents agreed to the proposal

**Deliberation of the RPC**

*The RPC endorsed and approved the proposal of TCC as above.*

ITEM NO. 5.4	Status of amount available in NER Reactive Pool Account:
--------------	--

Out of the total available amount of ` 1.8 Crores in Reactive Pool Account, ` 32,47,333/- has been transferred to M/S PTC in April'11 in line with advice of MS, NERPC for study tour of NER Engineers. The amount available in Reactive Pool Account now (as on 20.4.2011) is ` 1.48 Crores.

**Deliberation of the TCC:**

*TCC noted the status.*

**Deliberation of the RPC**

*The RPC noted as above.*

ITEM NO. 6.0	Agenda items related to POWERGRID
--------------	-----------------------------------

ITEM NO. 6.1	Security Assistance for maintenance of Transmission Lines in Insurgency Prone Area in Manipur:
--------------	--

During 10th TCC meeting of NERPC, POWERGRID requested to consider deemed availability of 132 kV Jiribam- Aizawl 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, representative of Manipur informed that they would again take up the matter with

Govt. of Manipur and accordingly, the Committee decided to defer the agenda item to the next TCC/RPC meeting i.e., 11th TCC & 11th NERPC Meeting.

**Deliberation of the TCC:**

Constituents did not agree to the proposal of POWERGRID regarding deemed availability. The matter was referred to RPC.

**Deliberation of the RPC**

POWERGRID stated that during the discussions on the agenda Item- 1.1.6 and 3.1 as above, Deptt of Power, Govt. of Manipur and NHPC have expressed their concern about security of their personnel & assets because of prevailing law & order situation in the State of Manipur.

POWERGRID reiterated that in spite of such situation, they were able to somehow maintain their Transmission assets in the State of Manipur. POWERGRID pleaded for accepting the proposal for "Deemed Availability" status in respect of outages 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 of the above lines.

Member Secretary- NERPC proposed to put a limit on the duration of such deemed availability period. Since no consensus could be reached it was decided that the issue would be discussed again during forthcoming Special TCC meeting.

<b>ITEM NO. 6.2</b>	<b>Outstanding Dues of POWERGRID against NER Constituents:</b>
---------------------	--

The total outstanding as on April, 2011, is -- ` **64.97 Cr.**

SI No	Name of the Constituent	Total outstanding as on 12.04.2011 (` in Cr.)
1	Ar. Pradesh	1.68
2	ASEB (Assam)	35.84
3	Manipur	9.32
4	MeECL (Meghalaya)	12.10
5	Mizoram	0.82
6	Nagaland	1.98
7	TSECL (Tripura)	3.22
	<b>TOTAL</b>	<b>64.97</b>

**Deliberation of the TCC:**

POWERGRID did not agree to the proposal of Assam to clear the dues in ten installments and insisted payment in one installment. Member Secretary, NERPC advised POWERGRID to clarify their stand in writing to Assam.

All Constituents agreed to liquidate outstanding dues at the earliest.

**Deliberation of the RPC**

MD, AEGCL stated that CMD ASEB and CMD Power Grid had discussed the matter and agreed to pay in installment starting from May, 2011.

*The RPC noted as above.*

<b>EM NO. 6.3</b>	<b>Status of LC required by NER Constituents :</b>
-------------------	--

Amount of available LC is lower than the required LC amount as on 12.04.2011:

SI No	Constituents	LC ( ` in Lakhs)	
		Required	Available
1	ASEB (Assam)	1169.07	1150.00
2	MeECL (Meghalaya)	269.45	250.00

**Deliberation of the TCC:**

Assam and Meghalaya agreed to enhance their LCs.

**Deliberation of the RPC**

*The RPC noted as above.*

<b>ITEM NO. 6.4</b>	<b>Failure of 132/33KV Transformers at ZIRO &amp; Nirjuli Substations:</b>
---------------------	--

The issue was discussed in 10th NERPC meeting also. Number of faults encountered over a period is given below-

**a) Tripping of 33kV Feeders at Ziro**

SN	Feeder	Tripping (Jan'10–Dec'10)		Tripping (Jan'11 – Mar'11)	
		Nos.	Nos. / Month	Nos.	Nos. / Month
1	Kurung- Kamey	262	21.83	63	21.00
2	Old Ziro Feeder	192	16.00	40	13.33
3	Kimin Feeder	394	32.83	117	39.00

**b) Tripping of 33kV Feeders at Nirjuli**

SN	Feeder	Tripping (Jan'10–Dec'10)		Tripping (Jan'11 – Mar'11)	
		Nos.	Nos. / Month	Nos.	Nos. / Month
1	AP - 1	52	4.33	12	4.00
2	AP - 2	141	11.75	14	4.66
3	AP - 4	40	3.33	4	1.33

**Deliberation of the TCC:**

The item was deferred as Ar. Pradesh representative was not present.

**Deliberation of the RPC**

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

<b>ITEM NO. 6.5</b>	<b>ERS- SUBSTATIONS:</b>
---------------------	--------------------------

A petition for procurement of 2 Nos of ERS Sub-Stations {One No. 400 kV (3x105MVA-Single Phase) & One No. 132 kV (30MVA/3x10MVA-Single Phase)}, has been filed with CERC and hearing is scheduled on 26.04.2011.

**Deliberation of the TCC:**

MS, NERPC clarified that PSDF funding for the ERS-Substations would not be feasible. The proposal of procurement of ERS substation for NER was not agreed by NER States as regional assets.

**Deliberation of the RPC**

During deliberation POWERGRID informed that PSDF may not cover the procurement of such item. This was also endorsed by Member Secretary, NERPC.

Chairman, NERPC requested Advisor (P), NEC to explore inclusion of this item for funding through NEC. Advisor (P) agreed to consider procurement of ERS-Substation in the 12th Plan schemes which were in the process of finalization.

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

ITEM NO. 6.6	<b>Replacement of defective Insulator Strings in Transmission Lines under POWERGRID in NER:</b>
--------------	---

During the 10th TCC meeting of NERPC, the technical necessity of replacement of insulator strings was agreed upon by beneficiary states and it was also agreed to allow deemed availability without commercial benefit to POWERGRID. POWERGRID stated that this will have serious implications in their Books of A/C. Since consensus on the issue could not be reached it was decided to defer the matter to next TCC/RPC meeting i.e., 11th TCC & 11th NERPC Meeting.

**Deliberation of the TCC:**

Constituents did not agree to the proposal of POWERGRID regarding deemed availability. The matter was referred to RPC.

**Deliberation of the RPC**

POWERGRID stated that a large number of insulator Strings in several lines of POWERGRID in NER, have developed defects POWERGRID has identified such defective strings and proposes to replace all of them in a phased manner for which entire expenditure shall be borne by POWERGRID and replacement of such a large number of Insulator Strings which have become defective for the reasons beyond the control of POWERGRID, may not be considered as regular maintenance work. POWERGRID requested members for considering planned outage period for replacement of these Insulators as "Deemed Available".

Chairman, NERPC suggested that the issue may be discussed in the forthcoming Special TCC meeting of NERPC.

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

ITEM NO. 6.7	<b>Additional requirements of OPGW based Communication System for Central Sector Sub-stations and Generating Stations and other large generating stations in NER:</b>
--------------	---

As per Clause No. 4.6.2 of CERC Regulations of 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 grid.

Presently the frequencies of Micro Wave links are being withdrawn by DOT. Under the circumstances to meet this requirement, the available communication systems are (i) PLCC and (ii) Wideband communication system based on OPGW Fiber Optic 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 LILO of lines the existing communication system gets disturbed and no. of hops increases. Presently large no. of RTU locations are communicating on PLCC.

Subsequent to the commissioning of 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 SCADA system, Special protection Schemes (SPS) are to be implemented and installation of PMUs is also envisaged. Each PMU requires minimum of 64Kbs band width. SPS requires transfer of signals over no. of hops. 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 (State), Srikona (AEGCL) & Mokokchung (State) stations have also been included. Any other requirement of constituents can also be included in the proposal, if constituents so desire.

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 attached herewith at **Annexure - 6.7**. Approximately **1523 kms** of Fibre Optic along with the Terminal equipments, are to be installed. The initial Estimated Cost (Supply, Installation, and Testing & Commissioning) for these requirements is ` **34.79 Crores**.

**Deliberation of the TCC:**

The proposal was agreed by the States in principle. It was agreed that POWERGRID would prepare a scheme in consultation with States incorporating their suggestions. The matter would be taken up with NEC/DONER for funding. In case

of non-availability of NEC/DONER funding, it would be taken up again in NERPC.MS, NERPC suggested that keeping in view the necessity of the scheme, it should be implemented even if DONER funding is not available.

**Deliberation of the RPC**

All the members appreciated the necessity of OPGW based Communication System and agreed in principle to implement the Scheme. Also, members requested Advisor (Power), NEC to explore funding of the Project through NEC during 12th Plan.

Advisor (P), NEC agreed to the suggestion and shall consider funding of the scheme during 12th Plan which is in the process of finalization.

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

<b>ITEM NO. 6.8</b>	<b>TRANSFORMATION CAPACITY AT 132 KV NIRJULI S/S :</b>
---------------------	--

Presently, Nirjuli Substation is running 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:

- i. 16 MVA- 13MW (Max.)
- ii. 10MVA- 7 MW (Max.)

**Total Maximum Load is 20 MW**

The 16 MVA Transformer owned by DoP, Arunachal Pradesh will be replaced with a new 10MVA Transformer under procurement by POWERGRID.

On installation of the new 10MVA transformer, the Nirjuli S/S will be able to cater for a maximum load demand of 16 to 17 MW only & hence there may be further overloading of these Transformers if the present load demand persists.

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

In view of above, DoP, Arunachal Pradesh may make necessary arrangement for diversion of the 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.

**Deliberation of the TCC:**

It was agreed to take up the matter in OCC forum as Ar. Pradesh Representative was not present.

**Deliberation of the RPC**

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

<b>ITEM NO. 6.9</b>	<b>Capacity Enhancement of various 132 KV Lines::</b>
---------------------	---

NERLDC requested POWERGRID to examine the possibility of capacity enhancement in following 132kV Transmission Lines for avoiding load / Generation restriction and hence to increase grid security and stability:

1. 132kV S/C Dimapur-Imphal Line
2. 132kV S/C Loktak-Jiribam Line
3. 132kV S/C Kumarghat-RC Nagar Line
4. 132kV S/C Kopili-Khandong (old) Line
5. 132kV S/C Ranganadi-Nirjuli Line
6. 132kV S/C Aizawl-Kumarghat Line

POWERGRID has to take the following actions:

- To provide additional jumper in all angle towers.
- To replace the existing lower rating CTs by higher rating CTs.

Considering the requirement, POWERGRID is to execute the above jobs for improvement of NER Grid. As such, all outages required to execute the job to be considered against System Improvement Scheme.

**Deliberation of the TCC:**

Considering necessity of capacity enhancement of the lines, all the States agreed to the proposal of POWERGRID for giving "Deemed Availability" benefit during outage of the following lines for enhancing their Power Transfer Capacity by replacement of jumpers and CTs as given below.

SN	Line	Tension Tower	Shut down period (in days) to be considered for deemed availability
1	Dimapur-Imphal	125	07
2	Nirjuli-Ranganadi	58	07
3	Kumarghat-Aizawl	197	15
4	Kumarghat-RC Nagar	252	15
5	Jiribam-Loktak # II	252	15
6	Kopili-Khandong # I	34	05

This will be only one time activity and POWERGRID shall intimate in OCC before availing the shut down.

**Deliberation of the RPC**

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

<b>ITEM NO. 6.10</b>	<b>ANTICIPATED ARREAR BILLING IN 2011-12:</b>
----------------------	---

- i. Tariff orders for the Assets under commercial operation before 31.03.2009 for Tariff Block 2009-14, are being progressively issued by CERC. So far CERC have issued tariff orders for ATS of Kopili HEP stg-I, ATS of Loktak, ATS of AGBPP, Ranganadi – Ziro Transmission System and NER Augmentation Scheme. Tariff orders for other Assets are expected in next 2–3 months.

List of Assets for which Tariff order is yet to be issued is attached in **Annex-6.10 (i)**.

- ii. Petition for Transmission Elements under Missing Link Project which have been declared commercial after 01.04.2009 in NER, has been filed. Tariff for elements of Missing Link project is payable w.e.f. their respective dates of commercial operation.

List of Assets under Missing link project and their respective DOCO is enclosed at **Annexure – 6.10 (ii)**.

- iii. Since CERC has already completed hearing on this matter, it is also expected that CERC will issue Amendment to CERC (Terms & conditions of tariff) regulation 2009, to enable the Transmission Licensee to recover the Tax from beneficiaries, as per the Tax Rate applicable for relevant Finance Act.

Tentative arrears arising out of above three accounts, for FY 2009-10 & FY 2010-11 has been estimated till March' 11 at ₹ **44.35 Crore**. Constituent wise apportioned amount to NER constituents is placed at **Annexure -6.10 (iii)**.

**Deliberation of the TCC:**

POWERGRID representative explained the position to the constituents. MS, NERPC advised the constituents to take necessary action to avoid heavy burden of transmission charges in one year.

**Deliberation of the RPC**

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

ITEM NO. 6.11	<b>CERC REGULATIONS ON SHARING OF INTER-STATE TRANSMISSION CHARGES AND LOSSES :</b>
---------------	---

CERC Regulations on Sharing of Inter-State Transmission Charges and Losses, is scheduled to come into effect from **01.07.2011**. CTU had submitted Draft of Transmission Service Agreement (TSA), Revenue Sharing Agreement (RSA) and Billing, Collection & Disbursement (BCD) Procedures to CERC. As per the said Regulations, the signatories to the TSA shall be DICs and ISTS Licensees. The DICs mean the user of ISTS and shall include all Generators, State Transmission Utilities (STUs), SEBs etc.

The bill for the use of ISTS, shall be raised by the CTU on the concerned DICs. The SEBs / STUs may recover the transmission Charges for the use of ISTS from the Distribution Companies and pay to CTU. The payment by all the DICs for the Monthly transmission Charges shall be executed through Real Time Gross Settlement (RTGS).

The STUs may take advance action for putting in place the requisite infrastructure / facility for payment through RTGS and also make back to back arrangement with the Distribution Companies.

The activity of signing of the TSA / RSA shall commence immediately upon approval of the draft of said documents by CERC.

**Deliberation of the TCC:**

POWERGRID representative explained the position to the constituents and requested them to sign the TSA at the earliest as new regulations are to be implemented from 01.07.2011. All constituents agreed.

**Deliberation of the RPC**

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

ITEM NO. 7.0	Agenda item related to Manipur:
--------------	---------------------------------

ITEM NO. 7.1	Shortage of power to Manipur during complete shutdown of Loktak HEP:
--------------	--

During the 61st OCC meeting held on 08.04.2011 at Guwahati, **it was decided to grant complete shutdown of Loktak HEP w.e.f. 1st May, 2011 to 15th June, 2011 (for 45 days)** for repairing of damaged Draft Tube Gate (DT Gate) and underwater structure.

In the meeting, Member Secretary suggested that if other states could surrender some of their unallocated share in favour of Manipur during the complete shutdown period of Loktak HEP, it would help Manipur to overcome the power shortage to some extent and also take care of their commercial interests. He opined that the best option is to give the unallocated share from R.C. Nagar GBS (which is 12 MW) to Manipur during peak hours. In this regard NERPC Secretariat has already written to all the constituents to give their consent for giving their unallocated share in RC Nagar GBS to Manipur during peak hours during the shutdown of Loktak HEP.

**Deliberation of the TCC:**

Mizoram and Nagaland agreed to surrender their entire unallocated share from R.C. Nagar to Manipur during peak hours. Due to power shortage in their States, Assam and Meghalaya agreed to surrender 1 MW each from their unallocated share of R.C. Nagar. Tripura representative requested to discuss the matter in RPC when CMD, TSECL would be present.

**Deliberation of the RPC**

All members present including Tripura agreed to surrender their unallocated share as above from R.C. Nagar to Manipur during peak hours till 15.06.2011 or date of re-commissioning of Loktak, HEP whichever is earlier. NERPC Secretariat was authorized to issue allocation order effective from 00:00 hrs of 10.05.2011 in respect of AGTPP, R.C. Nagar.

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

<b>ITEM NO. 7.2</b>	<b>Issue of Forest Clearance by Mizoram Government for Tipaimukh H.E. (M) Project (1500 MW) in Manipur and information of JVC:</b>
---------------------	--

Manipur informed that the project being located in Manipur – Mizoram border is going to affect forest land in both the states. In case of Manipur, the proposal for Forest Clearance has been recommended by the Govt. of Manipur to the concerned Ministry on 23.03.2009. However, in case of Mizoram the proposal is yet to be recommended to the Ministry of Environmental & Forest (MoEF). The Govt. of Mizoram has been requested at different levels to expedite the issue. But till date their response is being awaited.

**Deliberation of the TCC:**

Engineer in Chief, Mizoram advised Project implementing Authority to take up with Forest Deptt, Govt. of Mizoram.

**Deliberation of the RPC**

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

<b>ITEM NO. 8.0</b>	<b>Agenda item related to Mizoram:</b>
---------------------	--

<b>ITEM NO. 8.1</b>	<b>Status of Rokhia Unit V &amp; VI:</b>
---------------------	--

**Deliberation of the TCC:**

Tripura representative intimated that spare parts of the units were not available. In addition, high cost of gas was also a factor to discontinue running of the units.

**Deliberation of the RPC**

*The RPC noted as above.*

ITEM NO. 8.2	Display of vital information like real time Power Flows in NERLDC website:
--------------	--

**Deliberation of the TCC:**

AGM, NERLDC advised Mizoram to send their request in writing. Subsequently, username and password would be provided to Mizoram to access the information.

**Deliberation of the RPC**

*The RPC noted as above.*

ITEM NO. 8.3	Corporate training of Engineers from DOEACC Society:
--------------	--

**Deliberation of the TCC:**

Mizoram requested to arrange training in each State Capital so that maximum number of Engineers can participate.

MS, NERPC clarified that in case of funding from Reactive pool account, the training would have to be for all the state engineers and cannot be arranged for a particular State. He proposed to organize the training in Guwahati so that it is convenient to all States.

**Deliberation of the RPC**

*The RPC approved the training and endorsed the decision of TCC.*

ITEM NO. 9.0	Agenda item related to Assam:
--------------	-------------------------------

ITEM NO. 9.1	New Transmission Policy and need of signing of Bilateral transaction for energy exchange below 132 KV level:
--------------	--

Assam informed that the new transmission policy of sharing transmission charges on point of connection (PoC) method is scheduled to be implemented nationwide with immediate effect. There are number of such exchange points of Assam with

Nagaland and Ar. Pradesh where energy exchange is taking place at below 132 KV level on either way. Following the deliberations and decision of 10th NERPC meeting held at Aizawl on 8th & 9th February, 2011. Nagaland & Ar. Pradesh were requested to come forward for settlement and signing of bilateral agreement for such exchanges on priority basis since the proposed implementation date is very near. But no response is coming from the other side till now. In the absence of any response it is presumed that these states are not interested to continue such exchanges below 132 KV level and accordingly necessary steps for discontinuation of such transaction should be finalized.

**Deliberation of the TCC:**

Nagaland agreed to discuss bilaterally with Assam and arrive at a mutually acceptable solution.

Assam was advised to take up with Ar. Pradesh also bilaterally.

**Deliberation of the RPC**

*The RPC noted as above.*

ITEM NO. 10.0	Agenda items related to NERPC
---------------	-------------------------------

ITEM NO. 10.1	Presentation on Point of Connection Charges:
---------------	--

**Deliberation of the TCC:**

MS, NERPC advised NER States to look into details of the PoC mechanism and calculate and understand its implication and take up with CERC and MoP. MS, ERPC also apprised the TCC about the action taken by them in this regard and the comment sent by them to CERC. Due to paucity of time the presentation prepared by NERPC Secretariat could not be presented in the meeting A copy of the PoC presentation is enclosed at **Annexure – 10.1**.

**Deliberation of the RPC**

*The RPC noted as above.*

<b>ITEM NO. 10.2</b>	<b>Auditing of Board Fund of NERPC:</b>
----------------------	---

As decided in the 10th NERPC meeting Auditing of Board Fund of NERPC for the F.Y from 2008- 2009 to 2010 – 11 have been conducted on 4th, 5th April & 5th May, 2011 by officers from Me. ECL, POWERGRID and NEEPCO. The Audit Report is enclosed at **Annexure 10.2**.

**Deliberation of the TCC:**

*TCC noted the same*

**Deliberation of the RPC**

*The RPC noted as above.*

<b>ITEM NO. 10.3</b>	<b>Contribution of Board Fund of NERPC by Nagaland:</b>
----------------------	---

During the Audit of Board Fund of NERPC by Auditors it was found that Nagaland has not paid the Board Fund of NERPC for the F.Y 2008 – 2009. Nagaland is therefore requested to make the payment of ` 25000- for the above period.

**Deliberation of the TCC:**

*Nagaland agreed to pay.*

**Deliberation of the RPC**

*The RPC noted as above.*

<b>ITEM NO. 10.4</b>	<b>Contribution of Board Fund of NERPC:</b>
----------------------	---

ASEB has been unbundled into 3 corporations (Generation, Transmission & Distribution) to form APGCL, AEGCL & APDCL and all the 3 corporations are members of NERPC. It is therefore requested that each of the above corporations may contribute to Board Fund of NERPC separately instead of one utility which has been followed in the past. Hence each corporation may contribute ` 50000/ for the F.Y 2011 – 2012. Similar practice shall be followed in respect of other states also as and when unbundling takes place.

**Deliberation of the TCC:**

Assam stated that although unbundled, ASEB is still one entity for accounting purpose for all the corporations. They requested to continue with present contribution till all the corporations have separate account.

***The matter was referred to RPC.***

**Deliberation of the RPC**

MD, AEGCL stated that since Assam is considered as single entity relating to all accounting, the matter shall be kept in abeyance till ASEB is fully unbundled.

***The RPC agreed.***

ITEM No. 10.5	Commissioning Schedule of Generation Projects in NER :		
	Generating Agency	Generation Project	Commissioning Schedule
	NHPC	Lower Subansiri )	12 <sup>th</sup> Plan
	NEEPCO	Kameng HEP )	12 <sup>th</sup> Plan
	NTPC	Bongaigaon TPS )	1 <sup>st</sup> unit: 8/11, #2: 2/12, #3:4/12
	OTPC	Pallatana GBPP )	1 <sup>st</sup> unit: 9/12, #2: 2/13
	NEEPCO	Tuirial HEP )	12 <sup>th</sup> Plan

**Note: Information as per CEA.**

**Deliberation of the TCC:**

NTPC representative stated that U-#I of Bongaigaon TPS would be commissioned by July, 2012.

MD, OTPC reiterated that # U-I of Palatana would be commissioned by December, 2011 or January, 2012.

**Deliberation of the RPC**

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

ITEM NO. 11.0	Any other items
---------------	-----------------

ITEM NO. 11.1	CERC (Sharing of Inter-State Transmission Charges and losses) Regulations, 2010- List of RPC certified lines - NERPC
---------------	--

This is with reference to the CERC order No. L-1/44/2010-CERC dated 04.04.2011, in the matter of Removal of difficulties for giving effect to certain provisions of the Central Electricity Regulatory Commission (Sharing of Inter State Transmission Charges and Losses) Regulations, 2010. As per clause 19 of the order:

"...Further, it is seen that uniform methods are not being followed in each Region for RPC certified non-ISTS lines for carrying inter-state power. We direct that all lines which have at the time of notification of these regulations, been approved by the respective RPCs, would continue to be considered ipso facto...."

It is therefore requested that a list of lines certified by RPCs before notification of the relevant regulation may be provided, so that the same can be included for determination of Point of Connection rates for 2011-12.

**Deliberation of the TCC:**

Member Secretary NERPC informed that since no state line was certified as Non ISTS line for transfer of inter state power at the time of issue of regulations the no. of Non ISTS lines in NE region would be treated as Nil.

**Deliberation of the RPC**

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

ITEM NO. 11.2	Construction of 132 kV D/C Melriat (Power Grid) – Melriat (Mizoram) line along with two numbers of 132 kV bays at Melriat (Mizoram):
---------------	--

POWERGRID has already awarded the work for construction of 132KV D/C Melriat(POWERGRID)- Melriat (Mizoram) line and two numbers of 132KV bays at Melriat (Mizoram). The work is scheduled to be completed by Sept' 2012.

P&E Department, Mizoram is yet to provide POWERGRID with the detail layout of the Melriat Substation (Mizoram) indicating the bays allocated to POWERGRID. Also

other technical supports required (as requested vide our letter No NESH/ENGG/1544 dated 16.06.2010) for design and construction of the bays may be provided for completion of the bays as per schedule.

**Deliberation of the TCC:**

Mizoram agreed to provide the necessary detail/information within one month.

**Deliberation of the RPC**

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

<b>ITEM NO. 11.3</b>	<b>Construction of 132KV Pasighat-Roing line along with 2Nos of 132KV bays at Pasighat Substation, Arunachal Pradesh.</b>
----------------------	---

POWERGRID has already awarded the work for construction of 132KV D/C Pasighat-Roing line (Strung single) and one number of 132KV bays at Pasighat substation. The work is scheduled to be completed by November' 2012.

Space for two number of bays to be provided at Pasighat for the above purpose.

Electricity Department, Arunachal Pradesh is yet to provide POWERGRID with the detail layout of the Pasighat Substation indicating the bays allocated to POWERGRID.

Also other technical inputs required (as requested vide our letter No NESH/PESM/446(MST)/400 dated 02.03.2011) for design and construction of the bays may be provided for completion of the bays as per schedule.

**Deliberation of the TCC:**

The item was deferred as Ar. Pradesh Representative was not present.

**Deliberation of the RPC**

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

<b>ITEM NO. 11.4</b>	<b>Construction of 400KV D/C Palatana-Surajmaninagar line to be charged at 132KV</b>
----------------------	--

POWERGRID has already awarded the work for construction of the 400KV D/C Palatana-Surajmaninagar line to be charged at 132KV. OTPC has allocated only one no. of 132KV bay at Palatana against the said line. Two nos of 132KV bays for the said double circuit line may be allocated to POWERGRID.

**Deliberation of the TCC:**

Tripura requested to arrange a special TCC meeting to discuss all issues pertaining to transmission system associated with Palatana project.

**Deliberation of the RPC**

Member Secretary also suggested that apart from Palatana issues other important issues may also be discussed during the special TCC meeting.

OTPC agreed to host the special TCC meeting. The exact venue and date will be intimated later in consultation with NERPC Secretariat.

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

<b>ITEM NO. 11(A)</b>	<b>Administrative Price Mechanism (APM) of natural gas</b>
-----------------------	--

CMD, TSECL expressed concern about increasing of APM price of natural gas which affects the tariff. He requested the forum to take up the issue to Govt. of India to roll back the APM price.

Chairman, NERPC stated that the group of Power Ministers of NER will approach the Central Government and also submit a memorandum to the Hon'ble Prime Minister of India.

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

<b>ITEM NO. 11(B)</b>	<b>Procurement of Spare Transformers and Reactors in NER</b>
-----------------------	--

At present due to overloading of production of Equipment-manufacturer, owing to fast expansion in Power Sector, the time frame for repairing of Transformer and Reactor has become uncertain. Recently, one no. of 63MVAR, 420kV Line Reactor of Bongaigaon Circuit #1 failed at Balipara Sub Station. The said reactor was commissioned in 1996. M/S BHEL (OEM) is unable to give clearance for shifting the Reactor to their works at Bhopal for repair due to space constraints. Further, M/S BHEL informed that they will not be able to take up the repairing before 2013-14.

Thus, under such circumstance, it is evident that grid reliability on account of major equipment failure is at stake these days, unless the required spares are not maintained. In view of above, it is proposed to procure following Spare Reactor and Transformers for NER:

- Reactor : (a) One no. of 63MVAR, 420kV
- Transformer: (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)

In this regard, it is to be mentioned that technical necessity of spares has already been appreciated by the constituents during 10th TCC & NERPC Meeting and suggested for such procurement through PSDF. However, now it is understood that provision for such procurement does not exist in PSDF. Therefore, it is proposed to procure the Spare Transformers and Reactors as Regional Assets.

**Deliberation of the RPC**

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 as 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.

Further during 9th NERPC meeting, Chairman, NERPC had suggested that since 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. POWERGRID requested members for approving the proposal for Procurement of Spare Transformers & Reactors.

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

ITEM NO. 12.0	Date & Venue of the next meeting
---------------	----------------------------------

The next meeting of TCC & NERPC is proposed to be held in 3<sup>rd</sup> / 4<sup>th</sup> week of October, 2011. Exact dates and venue shall be intimated later. As per roster NTPC will be the host for the 12<sup>th</sup> TCC/RPC Meetings.

*The meeting ended with thanks to the Chair.*

\*\*\*\*\*



**List of Participant in 11<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. M. K. Adhikary</li> <li>5. J. K. Baishya</li> <li>6. K. Goswami</li> </ol>	CGM, (Comml), AEGCL CGM, (LD&C), AEGCL CGM, T&T, AEGCL DGM (Comml), APDCL 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> <li>3. N. Dwijan Singh</li> <li>4. Ng. Birjit Singh</li> </ol>	Addl. Chief Engineer (P) Superintending Engineer (Elect) Superintending Engineer (Civil) Superintending Engineer (Elect)
<b>Meghalaya</b>	<ol style="list-style-type: none"> <li>1. C. D. Saio</li> <li>2. K. Marbaniang</li> <li>3. A. Kharpran</li> <li>4. F. E. Kharshiing</li> </ol>	Director (D) & Chairman, TCC 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. Lalduhzuala Sailo</li> </ol>	Engineer- in- Chief Superintending Engineer (Com)
<b>Nagaland</b>	<ol style="list-style-type: none"> <li>1. D. Basumatari</li> <li>2. Bendang Longkumer</li> <li>3. Kasho Chishi</li> </ol>	Chief Engineer (P) Executive Engineer, SLDC Executive Engineer, Transmission
<b>Tripura</b>	<ol style="list-style-type: none"> <li>1. K. Chakrabarty</li> <li>2. Abhrajit Das</li> </ol>	Director (T), TSECL Sr. Manager, TSECL
<b>NHPC</b>	<ol style="list-style-type: none"> <li>1. Rakesh</li> <li>2. M. K. Raina</li> <li>3. M. S. Babu</li> <li>4. R. Raina</li> <li>5. V. K. Sinha</li> <li>6. P. K. Biswas</li> </ol>	ED (R-III) ED(O&M) ED(Comml) Chief Engineer (Comml) CE CE (IT)
<b>NEEPCO</b>	<ol style="list-style-type: none"> <li>1. P. K. Singha</li> <li>2. P. C. Barman</li> <li>3. Bhaskar Goswami</li> </ol>	Executive Director (O&M) DGM Sr. Manager (E)
<b>NERLDC</b>	<ol style="list-style-type: none"> <li>1. T. S. Singh</li> <li>2. R. Sutradhar</li> </ol>	Addl. General Manager Chief Manager
<b>POWERGRID</b>	<ol style="list-style-type: none"> <li>1. D. K. Sarma</li> <li>2. Avinash. M. Pavgi</li> <li>3. Kamal Sarkar</li> <li>4. Rakesh Prasad</li> <li>5. Prasanta Kanungo</li> <li>6. H.S. Kaushal</li> </ol>	General Manager (NERTS) Addl. General Manager (Engg) Addl. General Manager (OS) DGM, (Comml) Chief Manager Chief Manager (LD&C Corporate Office)

**ANNEXURE - I**

<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
<b>NTPC</b>	1. R. K. Pal	General Manager (OS) ERHQ-II
<b>NVVN</b>	1. A. K. Maggu 2. S. P. Datta	General Manager (BD) DGM (BD)
<b>CEA</b>	1. S. N. Kayal	Director (GM)
<b>OTPC</b>	1. S. K. Dube	Managing Director
<b>NETC</b>	1. Umesh Chandra	Managing Director
<b>Special Invitee</b>	1. A. K. Rampal	Member Secretary, ERPC
<b>NERPC</b>	1. B. K. Jain 2. B. Lyngkhoi 3. D. K. Bauri	Member Secretary Assistant Secretary Executive Engineer



























**List of Participant in 11<sup>th</sup> NERPC Meeting**

**Name**

**Designation**

- |                     |  |
|---------------------|--|
| 1. Er. A. T. Mondal | Hon'ble Power Minister, Meghalaya & Chairperson, NERPC |
| 2. Sh. Manik Dey    | Hon'ble Power Minister, Govt. of Tripura               |

<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
<b>Arunachal Pradesh</b>	No representative	
<b>Assam</b>	1. S. K. Handique 2. P. K. Dutta 3. G. K. Das 4. B. Paul 5. M. K. Adhikary 6. J. K. Baishya 7. K. Goswami	Managing Director, AEGCL CGM, (Comml), AEGCL CGM, (LD&C), AEGCL CGM, T&T, AEGCL DGM (Comml), APDCL AGM, SLDC, AEGCL AGM (Comml), APDCL
<b>Manipur</b>	1. L. Priyokumar 2. M. Jadumani Singh 3. N. Dwijan Singh 4. Ng. Birjit Singh	Addl. Chief Engineer (P) Superintending Engineer (Elect) Superintending Engineer (Civil) Superintending Engineer (Elect)
<b>Meghalaya</b>	1. C. D. Saio 2. K. Marbaniang 3. A. Kharpran 4. F. E. Kharshiing	Director (D) & Chairman, TCC Chief Engineer (T&T) Superintending Engineer, SLDC Executive Engineer (SLDC)
<b>Mizoram</b>	1. C. L. Thangliana. 2. Lalduhzuala Sailo	Engineer- in- Chief Superintending Engineer (Com)
<b>Nagaland</b>	1. D. Basumatari 2. Bendang Longkumer 3. Kasho Chishi	Chief Engineer (P) Executive Engineer, SLDC Executive Engineer, Transmission
<b>Tripura</b>	1. N. S. Chakravarty 2. K. Chakrabarty 3. Abhrajit Das	CMD, TSECL Director (T), TSECL Sr. Manager, TSECL
<b>NHPC</b>	1. Rakesh 2. M. K. Raina 3. M. S. Babu 4. R. Raina 5. V. K. Sinha 6. P. K. Biswas	ED (R-III) ED(O&M) ED(Comml) Chief Engineer (Comml) CE CE (IT)
<b>NEEPCO</b>	1. P. K. Singha 2. P. C. Barman 3. Bhaskar Goswami	Executive Director (O&M) DGM Sr. Manager (E)
<b>NERLDC</b>	1. T. S. Singh 2. R. Sutradhar	Addl. General Manager Chief Manager

ANNEXURE-III

Organisation	Name S/Shri	Designation
<b>POWERGRID</b>	<ol style="list-style-type: none"> <li>1. K. K. Chaudhary</li> <li>2. D. K. Sarma</li> <li>3. Avinash. M. Pavgi</li> <li>4. Kamal Sarkar</li> <li>5. Rakesh Prasad</li> <li>6. Prasanta Kanungo</li> <li>7. H.S. Kaushal</li> </ol>	Executive Director General Manager (NERTS) Addl. General Manager (Engg) Addl. General Manager (OS) DGM, (Comml) Chief Manager Chief Manager (LD&C Corporate Office)
<b>NTPC</b>	<ol style="list-style-type: none"> <li>1. K. K. Sharma</li> <li>2. M. K. V. Rama Rao</li> <li>3. R. K. Pal</li> </ol>	Regional ED (East-II) ED (Comml) GM (OS) ERHQ-II
<b>NVVN</b>	<ol style="list-style-type: none"> <li>1. A. K. Maggu</li> <li>2. V. K. Gulati</li> <li>3. S. P. Datta</li> </ol>	General Manager (BD) AGM DGM (BD)
<b>CEA</b>	<ol style="list-style-type: none"> <li>1. S. N. Kayal</li> </ol>	Director (GM)
<b>OTPC</b>	<ol style="list-style-type: none"> <li>1. S. K. Dube</li> </ol>	Managing Director
<b>NETC</b>	<ol style="list-style-type: none"> <li>1. Umesh Chandra</li> </ol>	Managing Director
<b>Special Invitee</b>	<ol style="list-style-type: none"> <li>1. A. K. Rampal</li> <li>2. M. S. Sodhi</li> </ol>	Member Secretary, ERPC Adviser (Power), NEC
<b>NERPC</b>	<ol style="list-style-type: none"> <li>1. B. K. Jain</li> <li>2. P. D. Siwal</li> <li>3. B. Lyngkhoi</li> <li>4. D. K. Bauri</li> </ol>	Member Secretary Suptdg. Engineer (O) Assistant Secretary Executive Engineer

**SPEECH BY SHRI A. T. MONDAL, FIE, HON'BLE MINISTER OF POWER,  
GOVT. OF MEGHALAYA & CHAIRMAN, NERPC ON THE OCCASION OF  
THE 11<sup>TH</sup> MEETING OF THE N. E. REGIONAL POWER COMMITTEE  
HELD ON 6<sup>TH</sup> MAY 2011 AT KOLKATA**

---

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 Chairman and Managing Director, of National Hydro Power Corporation, Faridabad for the warm and marvelous arrangement of the 11th NERPC meeting away from our North Eastern Region here in Kolkata.

I would like to extend a warm welcome to all the participants of the 11th NERPC meeting in this beautiful part of Kolkata. I am sure all the Delegates are having a comfortable stay here. I also hope that the deliberations at the meetings will benefit all the NER States in particular and the country in general.

I am glad to inform this august forum that with the commissioning of 132KV Missing link Kopili-Khandong line and 220KV double circuit Misa-Killing lines and subsequent loading of 2x160MV A Killing substation, the flow of power to the state Meghalaya has become more reliable and there has been a considerable relief to the areas of South Assam, including the states of Tripura and Mizoram. But the condition of the 220KV Misa-Killing lines needs thorough checking and further strengthening so that the flow of power becomes stable. I am happy to inform this house that the first unit of the long awaited Myntdu Leshka HEP in Meghalaya was test spinned on the 28/4/2011 and further commissioning tests are going on.

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,

**ANNEXURE-IV**

the skewed thermal-hydro mix of the presently available 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 Bongaigaon Thermal Power Stations and Pallatana Gas Based Station in Assam and Tripura respectively. I am very glad to know of the arrival of the first turbine of the proposed 726MW, plant at Pallatana during the month of April. This is indeed a great achievement! With timely dispatch of other equipments, I am sure the project will be commissioned as targeted. 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 should also be the duty of this forum to take up with the concerned Ministry (ies), Government of India to expedite the arrangement for funding for more transmission Projects in the Region.

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. The time and again revised CERC's regulations for maintaining grid discipline; demand management, load forecasting, selling & buying of power etc. would be very difficult unless SLDCs are in place. Recently, in spite of objections raised by NER constituents, congestion and Point of Connection charges proposed to be introduced are not at all sustainable for most of the NE states. Further, it will appropriate if the detailed logic and load flow study adopted for the purpose are

**ANNEXURE-IV**

made clear to all. I strongly feel that new regulations should be implemented only after proper assessment of the ground realities and it is not fair that they be at the expense of small states.

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) and 132 kV Agia-Nangalbibra and 132KV Sumer- Mawngap lines and sub stations 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 as targeted. I would request my counterparts from Assam to put all efforts for completion of the LILO lines and substations at Hailakandi and Azara respectively, so that full utilization of power from Palatana project is tapped for the interest of all the Beneficiaries in the NE Region.

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 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

**ANNEXURE-IV**

pivotal role for improvement of power system in NER. Further, the efforts of NERPC on matters, relating to training of personnel in power sector in India & abroad in order to equip them with knowledge on the latest technological advancement is indeed, laudable. I feel that such training programmes should be encouraged and conducted more frequently.

Before I conclude, I wish to extend my special thanks to the organizers of the meetings namely, the NHPC and to NERPC, without which, hosting of such momentous event will not be a success.

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

**Jai Hind!**

\*\*\*\*\*

**SPEECH BY 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 11<sup>TH</sup> N .E. REGIONAL POWER COMMITTEE MEETING  
HELD ON 6<sup>TH</sup> MAY, 2011 AT KOLKATA**

---

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.

Joining with you here in this **11<sup>th</sup> NERPC** Meeting is a great privilege for me. I like to sincerely thank the NHPC Ltd for the excellent arrangements they have made for organizing this meeting.

NERPC is constantly working for keeping the NER Power System economic, efficient and reliable. I believe, outcome of today's deliberations shall further supplement the ongoing efforts of making NER power supply system efficient and reliable. This is essential for providing power to each and every citizen of this region at an affordable price.

- We all know, Central Sector Generation Projects like Pallatana Gas Thermal Project (GTP), Bongaigaon Thermal Power Station (TPS), Subansiri Lower Hydro Electric Project (HEP) and Kameng Hydro Electric Project (HEP) are in the commissioning pipeline since long. We had lot of deliberations pleading for speedy implementation of above projects at this forum. Finally, it appears that commissioning of Pallatana GTP starts rolling. Equipments and Turbines started reaching at project site through Bangladesh. We are hopeful that OTPC will be in a position to maintain their declared commissioning schedule.
- Once Pallatana Project becomes operational, this region is expected to face a power surplus situation. This surplus quantum will be further compounded with operationalization of Bongaigaon TPS. Accordingly, evacuation of such huge quantum of surplus power to other regions will become an issue of great concern to all of us. In order to get rid of such situation, we shall have to seriously focus on bringing adequate transmission system matching the upcoming generation.

- The construction of 400 KV D/C Pallatana to Bongaigaon via Silchar Transmission Link by NETC needs to be expedited. Pending Forest clearances may drive the commissioning schedule out of timeline. It is essential that all State Governments in North East strongly take up this issue with respective agencies/ authorities for providing necessary clearances as soon as possible. I would like to insist upon the authorities and agencies involved in this project to kindly speed up the work so that the declared commissioning schedule is maintained matching the generation.
- State Transmission System would also be linked with absorption of State power from the in-coming generating stations in Pallatana GTP, Bongaigaon TPS, Monarchak GTP, Subansiri Lower HEP and Kameng HEP. In view of that proportionate strengthening of State Transmission Systems also needs to be done matching the upcoming generation capacity. This calls for infusion of capital assistance as grant to the State Power Departments / State Power utilities. On this issue, I would like to request NERPC forum to pass a resolution appealing the NEC to provide financial assistance in the greater interest of the Region.
- Additionally, a transmission linkage through Bangladesh also needs to be explored for evacuation of Pallatana power. This is essential to have a viable alternative /redundancy to our existing NER - ER chicken neck linkage with the rest of the country.
- 117% hike in Gas price by the Government of India has put the NER Power Utilities/ Departments in a severe distressed situation since mid-2010. Passing the cost of enhanced gas price to the consumers is becoming very difficult as they are already burdened. Non recovery of additional expenses against gas is risking commercial position of these utilities. We are seriously concerned and strongly advocating for immediate roll back since then. But, despite our repeated request to Govt. of India and efforts taken at various levels, there is no sign of any relief from the Ministry of Petroleum & Natural Gas, Govt. of India yet.

**ANNEXURE- V**

I would once again like to urge upon this forum to strongly take up this issue with Govt. of India for providing appropriate relief in the interest of overall development of this region.

- Rural Electrification through RGGVY Schemes for electrification of households as declared by the Govt. of India is going on in the state. In Tripura, PGCIL is implementing two project while the other two projects being implemented by Tripura State Electricity Corporation Limited (TSECL). To my experience, the progress and workmanship of the work undertaken by the turnkey agency of PGCIL is not satisfactory. There have not been any significant improvements in spite of several persuasions also. I am very much doubtful about the completion of these projects within the extended timeline. PGCIL should take up immediate alternative measures that are required to complete these projects within the extended timeline.

Apart from the above, the existing sanctioned scheme of RGGVY shall cover about 40% of the requirement for providing electricity to all households as declared by the Govt. of India. We have submitted Supplementary Detailed Project Reports (DPR) for sanction of required fund by the Govt. of India to cover the remaining portion of electrification.

- Implementation of Part - A of R- APDRP is stranded in North Eastern Region due to court case. Accordingly, state utilities are seriously concerned about the loan to grant conversion condition in case of project going out of scheduled timeline. Govt. of India may extend the timeline for project completion under such special circumstances. Part - B shall be implemented to achieve Aggregate Technical and Commercial (AT&C) loss at 15% as decided by the MOP. But, considering the special nature of landscape & geography of this region, the common AT&C Loss target of 15% fixed for the entire country need a review. We Propose to consider the target AT&C Loss at 22% for the NER States in place of 15%.

Viable investment is required to achieve the targeted AT&C Loss. Present norms of funding do not allow viable investment required to achieve targeted AT&C Loss. Relaxation of norms for sanction of Part-B DPR in this regard is essential. Govt. of India may kindly consider this matter.

**ANNEXURE- V**

- Before I Conclude I must mention one very important issue, which is, raising of huge amount of past arrear bills by various CPUs & CTUs following CERC order. It is understood that NEEPCO recently claimed around Rs. 8.00 Crores to TSECL against their RC Nagar Project as past arrear bill for the FY 2009-10 & 2010-11. But, it becomes extremely difficult for utilities like ours to pass through such huge past arrears to consumers. As a result, accumulated unrealized liabilities are becoming worse financial burdens to utilities. This is threatening the survivability of the utilities. CERC should be more realistic in passing such kind of huge past arrear related orders. It is essential that CERC should take a look at the downstream after effect of huge past arrear prior to issuing such orders in the interest of healthy functioning of entire electricity chain. Such orders need to re-examine by the CERC in case of past arrear amount becomes vast un-realized liabilities to the utilities.
- At the end, I thank all of you for participating in today's deliberation.

I hope today's discussion would of great assistance in formulating meaningful and actionable outcomes.

Thank you.

\*\*\*\*\*

**SPEECH OF SHRI LAL THANHAWLA,  
HON'BLE CHIEF MINISTER OF MIZORAM  
ON THE OCCASION OF THE 11<sup>TH</sup> NERPC MEETING  
ON 6<sup>TH</sup> MAY, 2011 AT KOLKATA.**

---

Hon'ble Chairman of NERPC, my counterparts from North East States, officials from Central and State Governments and Utilities, ladies and gentlemen. It is a privilege for me to address this august gathering to discuss various issues and obstacle confronting the North Eastern Region in the power sector.

I have been attending the NERPC meetings on numerous occasions in the past where important and critical issues pertaining to the development of power system in the North Eastern Region are discussed and decided. However, I am sure that this committee, as the apex forum of power sector in the North East, can deliver a lot more, towards progress and prosperity of power system in the Region.

I would like to request this Committee to give more concentrated effort towards harnessing the vast natural resources readily available in the North Eastern Region i.e., Hydel power generation. From the result of preliminary investigation of some of our rivers, even a small State like Mizoram has the potential to generate more than 4500 MW from hydel power alone. If such is the case, the combined potential of the North Eastern Region from hydel power alone, remaining untapped, must be considerable. I, therefore, earnestly request members of this Committee to join hands in getting the necessary financial backing from the Central government or if necessary from abroad so as to ensure the North Eastern Region the Power house of India.

I am aware that power shortage is a common phenomenon in the entire country. However, I would like to request members of this committee to give special consideration to the State of Mizoram in power allocation since it has no significant power generation of its own. Towards this end, I would like to request this committee to ask increase of power allocation for the North Eastern Region from the Central Pool.

I request members of this committee to give more attention towards augmentation and improvement of the existing inter-State and intra-State

**ANNEXURE- VI**

Transmission network. It is learnt that due to lack of sufficient Transmission networks in the North Eastern Region, some of the interior areas are still deprived of adequate power supply till today, this problem may be solved by augmentation of our existing transmission system for which immediate steps may be taken jointly.

Let me avail this opportunity to appraise this august meeting highlights of projects/schemes being taken up in my State of Mizoram. In respect of RGGVY Projects, Electrification work of 53 un-electrified villages and 219 No. of village intensifications have been completed besides electrification of 9475 No of Rural Households. Remaining works under this projects are going on in full swing to get maximum progress within this working season. Further, engagement of IT consultant from empanelled list of IT consultants for works under R-APDRP Part A has been finalized. Appointment of IT Implementing Agency (ITIA) and procurement of CT /PT Operated, AMP compatible Tri-vector meters are under processed. Out of the fund allocation of Rs 35.12 crore, Rs 10.54 crore has been received from Central Govt. Approval of DPR on Comprehensive Scheme for strengthening of Transmission & Distribution System in NER & Sikkim (Intra State of Mizoram) amounting to Rs 714.02 crore and debt sustainability clearance have been obtained. Other statutory clearances like Forest clearance etc are being processed. The State of Mizoram is taking steady pace towards capacity addition. The construction work of 60 MW Turial HEP has been resumed by NEEPCO in January 2011, and targeted to be completed within 3 years, Tuivai HEP of 210MW has been taken up as a pilot project to be executed on PPP mode for which CRISIL, Mumbai was appointed as Transaction Advisor by the Ministry of finance through the Department of Economic Affairs.

Agreement was signed on 20th December, 2010 with NEEPCO for power development and execution of 635 MW Chhimtuipui HEP, 815 MW Lungreng HEP and 76 MW Mat HEP. I am sure that our sister States in the North Eastern Region are also taking similar steps in this direction so as to upgrade the standard of living in this corner of the country.

I extend my special thanks to the organizers and wish the meeting every success.

Thank you!

**SPEECH OF SHRI PHUNGZA THANG TONSING,  
HON'BLE MINISTER OF POWER, GOVERNMENT OF MANIPUR  
ON THE OCCASION OF THE 11<sup>TH</sup> MEETING OF THE N.E. REGIONAL POWER  
COMMITTEE HELD ON 6<sup>TH</sup> MAY, 2011 AT KOLKATA**

---

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 11<sup>th</sup> Meeting of the North-Eastern Regional Power Committee and say a few words.

I also wish to take this opportunity to express my sincere thanks to the organizers for bringing us together to exchange our views to sort out specific problems. I am sure the deliberations on various issues will be helpful in solving the infrastructure constraints, poor transmission and sub-transmission system, inadequate distribution network and problems in generation projects. Owing to the geographical isolation of this region, many issues are regional specific in nature and we have many challenging ahead to tackle and subdue them. I hope we shall be able to sort out important issues which require special attention of Government of India for the States of the NER.

It is really disheartening that during the last three-four years the total installed capacity 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 the rich hydro-power potential of the region has been tapped. Tipaimukh H.E.(M) Project (1500 MW) located in Manipur - Mizoram border will prove to be a boon to my state, one of the most power starved states in the region, in particular and the other states in the region in general. This project is going to affect forest land in both the neighboring states of Manipur and Mizoram. The Government of Manipur has already recommended the proposal for the mandatory Forest Clearance to the concerned Ministry at the Centre as early as March, 2009. I do hope that the Govt. of Mizoram also recommends the proposal to the Ministry of Environmental

**ANNEXURE- VII**

& Forest (MoEF) in the near future if not done earlier.

Manipur depends almost entirely on CS Stations for the supply of power. A very important factor that is proving to be a hindrance in receiving our share of power from CS Stations is the weak transmission system linking my state. Capacity enhancement of the existing 132 kV Transmission Lines feeding power to Manipur will solve the problem for the time being till the transmission system associated with the generation projects Pallatana and Boangaigaon becomes operational. My state is looking at these generation projects 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 will be drawing Manipur's share from Pallatana and Boangaigaon generation projects.

The 400 kV D/C Palatana - Bongaigaon transmission system being developed by North East Transmission Company (NETC) is very critical for evacuation of power from the generation projects at Pallatana and Boangaigaon. I earnestly request the member states who have not signed Share Holders Agreement of NETC to sign the agreement so that the transmission systems associated with the generation projects at Pallatana and Boangaigaon are commissioned as per their commissioning schedules. The existing transmission, sub-transmission, and distribution systems in the region need to be strengthened to commensurate with the increase in demand and generation of power. It will increase grid security and stability.

It is learnt that Loktak Hydro Electric Project will be shut down completely from the 1<sup>st</sup> of May to the 15<sup>th</sup> of June, 2011. During this period supply of electricity in Manipur will be adversely affected. It will go a long way in saving the vital installations in my state from complete breakdown if power to the tune of 15 MW during day time, 25 MW during peak hour and 10 MW during off peak hour is allocated from the unallocated power through 132 KV Loktak-Jiribam line.

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!