



भारत सरकार Government of India  
विद्युत मंत्रालय Ministry of Power  
उत्तर पूर्वी क्षेत्रीय विद्युत समिति  
North Eastern Regional Power Committee  
मेघालया स्टेट हाउसिंग फिनांस को-आपरेटिव सोसायटी लि. बिल्डिंग  
Meghalaya State Housing Finance Co-Operative Society Ltd.  
Building  
नांग्रिम हिल्स, शिल्लोंग - 793003  
Nongrim Hills, Shillong - 793003.



(आई.एस.ओ.: 9001.2000)

Ph. No 0364 -2520050  
Fax No : 0364 - 2520030  
email: [msnerpc@dataone.in](mailto:msnerpc@dataone.in)

No. NERPC/AS/Committee/2008/682-755

Date: 1<sup>st</sup> April, 2009

To,

1. Chairperson NERPC and Hon'ble Minister of Power, Govt. of Assam, Guwahati - 781 006
2. Hon'ble Chief Minister & Minister of Power, Govt. of Mizoram, Aizawl - 796 001
3. Hon'ble Chief Minister & Minister of Power, Govt. of Arunachal Pradesh, Itanagar - 791 111
4. Hon'ble Minister of Power, Govt. of Nagaland, Kohima - 797 001
5. Hon'ble Minister of Power, Govt. of Meghalaya, Shillong - 793 001
6. Hon'ble Minister of Power, Govt. of Tripura, Agartala - 799 001
7. Hon'ble Minister of Power, Govt. of Manipur, Imphal - 795 001
8. Member (GO&D), CEA, Sewa Bhavan, R.K. Puram, New Delhi - 110 066
9. Secretary (Power), Govt. of Arunachal Pradesh, Itanagar - 791 111
10. Secretary (Power), Govt. of Assam, Dispur, Guwahati - 781 006
11. Secretary (Power), Govt. of Manipur, Imphal - 795001
12. Secretary (Power), Govt. of Meghalaya, Shillong - 793001
13. Secretary (Power), Govt. of Mizoram, Aizawl - 796001
14. Secretary (Power), Govt. of Nagaland, Kohima - 797001
15. Secretary (Power), Govt. of Tripura, Agartala - 799001
16. Chairman, ASEB Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001
17. Chairman, MeSEB, Lumjingshai', S.R. Road, Shillong - 793 001
18. Chairman & Managing Director, TSECL, Agartala - 799001
19. Chairman & Managing Director, NEEPCO Ltd., Lower New Colony, Shillong - 793 003
20. Chairman & Managing Director, NHPC Ltd., NHPC Complex, Sector-33, Faridabad - 121 003
21. Director (Op.), POWERGRID, B/9, Qutub Institutional Area, Katwaria Sarai, New Delhi - 110016
22. Director (Operation), PTC, NBCC Tower, 15 Bhikaji Cama, Place, New Delhi - 110022
23. CEO, NVVNL, Core 5, 3<sup>rd</sup> Floor, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi - 110 003
24. Advisor (Power), Govt. of Arunachal Pradesh, Itanagar - 791 111
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 7<sup>th</sup> TCC and 7<sup>th</sup> NERPC meetings held at Shillong.**

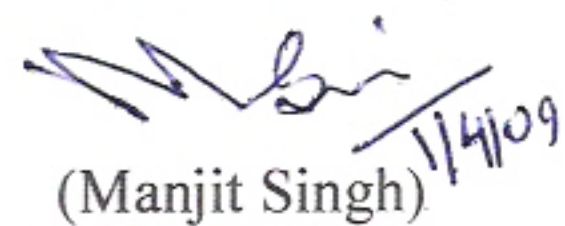
Sir,

Please find enclosed herewith the minutes of 7<sup>th</sup> TCC and 7<sup>th</sup> NERPC meetings held at Hotel "Pinewood", Shillong, Meghalaya on the 23<sup>rd</sup> & 24<sup>th</sup> February, 2009 respectively for your kind information and necessary action. The minutes of the above is made available in the website of NERPC, [www.nerpc.nic.in](http://www.nerpc.nic.in).

This issue with approval of Chairperson, NERPC.

With regards .

भवदीय / Yours faithfully,

  
(Manjit Singh)

सदस्य सचिव / Member Secretary

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. Member (Tech.), MeSEB, Lumjingshai, S.R. Road, Shillong-793001.
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. GM, NERLDC, Lapalang, Shillong - 793006
11. AGM (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. Sr. Vice President (DCS), PTC, NBCC Tower, 15 Bhikaji Cama Place , New Delhi –110066.
14. Member Secretary, ERPC, 14-Golf Club Road, Tollygunge, Calcutta-33.
15. Member Secretary, WRPC, MIDC Area, Marol, Andheri (E), Mumbai-93.
16. Member Secretary, NRPC, NREB Complex, 18A, Shaheed J. S. S. Marg, Katwaria Sarai, New Delhi-110016.
17. Member Secretary, SRPC, 29-R.C. Cross Road, Bangalore-560009.
18. CGM (LDC), SLDC Complex AEGCL, Kahelipara, Guwahati-781019.
19. Chief Engineer (E Zone), Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111.
20. Chief Engineer (W Zone), Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111.
21. Chief Engineer (Power), Dept. of Power, Govt. of Manipur, Keishampat, Imphal-795001.
22. Chief Engineer (P&E), P&E Dept., Govt. of Mizoram, Aizawl-796001.
23. Chief Engineer (Power), Dept. of Power, Govt. of Nagaland, Kohima-797001.
24. Chief Engineer, Loktak HE Project, NHPC, Komkeirap, Manipur-795124.
25. Chief Engineer, AEGCL, Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
26. Chief Engineer, APGCL, Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
27. Chief Engineer, DISCOM (CA), Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
28. Chief Engineer, DISCOM (UA), Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
29. Chief Engineer, DISCOM (LA), Bijuli Bhawan, Paltan Bazar, Guwahati – 781 001
30. SE (T&D), MeSEB, Lumjingshai, S.R. Road, Shillong-793001
31. SLDC, MeSEB, Lumjingshai, S.R. Road, Shillong-793001
32. SLDC, Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111
33. Addl. Chief Engineer (Gen. & Trans.), Dept. of Power, Govt. of Nagaland, Kohima-797001
34. SLDC, Dept. of Power, Govt. of Nagaland, Dimapur
35. Addl. Chief Engineer (Power-1), Dept. of Power, Govt. of Manipur, Keishampat, Imphal-795001
36. SLDC, Dept. of Power, Govt. of Manipur, Keishampat, Imphal-795001
37. S.E (Trans. & Dist.), P&E Dept., Govt. of Mizoram, Aizawl-796001
38. SLDC, P&E Dept., Govt. of Mizoram, Aizawl-796001
39. SLDC, TSECL, Agartala – 799001

Special Invitee(s):

40. Chairperson, CEA, Sewa Bhawan, R.K.Puram, New Delhi – 110066
41. Member (Power Systems), CEA, Sewa Bhawan, R.K.Puram, New Delhi – 110066
42. Member Secretary, ERPC, 14 – Golf Club Road, Tollygunge, Calcutta – 33
43. Member Secretary, NRPC, NRPC Complex, 18-A, S.JS.S. Marg, Katwaria Sarai, New Delhi – 16
44. Member Secretary, WRPC, MIDC Area, Marol, Andheri (E), Mumbai – 93
45. Member Secretary, SRPC, 29 – R.C. Cross Road, Bangalore – 560 009
46. C.E.O, OTPC, 1<sup>st</sup> Floor, Mahindra Towers, 2A, Bhikaji Cama Place, New Delhi - 110066

**Summary Record of Discussions**

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

**&**

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

The 7<sup>th</sup> TCC meeting was held on 23<sup>rd</sup> February 2009 at Hotel Pinewood, Shillong, Meghalaya. The meeting was hosted by Department of Power, Government of Nagaland.

The list of participants is enclosed at Annexure - I.

**Proceedings of the 7<sup>th</sup> TCC meeting**

The meeting started with welcome address by Shri. D. Basumatari, Chief Engineer, Department of power, Government of Nagaland. He on behalf of Department of Power, Govt. of Nagaland welcomed all TCC members of NER Power Committee from Arunachal Pradesh, Assam, Mizoram, Meghalaya, Tripura, CEA, NERPC, NHPC, PGCIL, NEEPCO, NERLDC, NVVNL and OTPC. Shri Basumatari said that Department of Power, Govt. of Nagaland was honored and encouraged for the opportunity provided to them by the NER Power Committee to host these important meetings of NERPC at Shillong. He stated that his team had made all efforts for the making the meeting arrangements and for comfortable stay of the members and participants of the meetings here and hoped that the members had a comfortable stay here. He wished all the participants a pleasant stay at Shillong. This was followed by presentations of bouquets to all the TCC members of N.E. Region and to all the other members. He requested Member Secretary, NERPC to initiate the proceedings of the meeting.

Shri Manjit Singh, Member Secretary NERPC on behalf of NERPC welcomed Shri S.K. Handique, CGM, LDC, AEGCL & Chairman TCC of NERPC and TCC members and the participants to the 7<sup>th</sup> TCC meeting of NERPC. He thanked the officers of Power Dept. of Nagaland for having made excellent arrangements for transport and comfortable stay of the members and participants of the meeting and appreciated the efforts made by Dept. of Power, Govt. of Nagaland in hosting this meeting here.

He stated that Shri S.K.Handique, CGM, LDC, AEGCL & Chairman TCC of NERPC during his tenure as Chairman TCC, NERPC important issues are addressed fruitfully and he expressed that his continued guidance and support to NERPC would help promote betterment in regional grid operation.

Member Secretary, NERPC said that annual load growth for the region as a whole is of the order of 9-10%. The peak demand is restricted by 300 to 350 MW due to existing transmission constraints. The weaker 132 kV pockets and transmission constraints in NER system are resulting in frequent isolations of NER grid. Base load thermal generation availability is scarce which is particularly felt during lean hydro season. Therefore, timely execution of both ongoing short-term schemes of strengthening of 132 kV pockets in the Region and long-term schemes for achieving higher availability of power generation and the schemes for interstate and intrastate transmission and sub-transmission system development in the NER would help in improving the power situation early.

Member Secretary, NERPC requested Chairman TCC to kindly Chair the TCC meeting and address the forum.

Shri S.K.Handique, Chairman TCC of NERPC welcomed all the participants to the 7<sup>th</sup> TCC meeting. He expressed his sincere thanks to Department of Power, Govt. of Nagaland and NERPC Secretariat for the excellent arrangements made for the meeting hosted by the Nagaland State at Shillong. He said that NER grid in this lean season is facing heavy shortfall and expected that efforts should focus on maintaining grid discipline and maximisation of available thermal generating capacity both in the short and the long run. He hoped that the agenda items slated for discussion to address such issues in this meeting would be actively deliberated and fruitful outcome arrived at.

Member Secretary, NERPC welcomed Shri Deepak Ganguly, Chairman-cum-Managing Director, TSECL and requested him to kindly address the meeting. He said that even as Shri Ganguly is member of the NER Power Committee but his esteemed presence in this TCC meeting would provide TCC meeting proceedings a valuable guidance.

Shri Deepak Ganguly stated that though with the commissioning of new power projects this Region is likely achieve surplus power conditions within the next few years, but till then acute power shortage would be prevailing particularly during the lean hydro period. He said that the issues of the NER interconnected grid are of common importance for all NER constituents which are addressed jointly by the constituents on this common platform of NERPC. The shortage situation is partially overcome through mutual give and take with the utilization of seasonal/festive diversities. He appreciated the efforts of NERPC and NERLDC in coordinating the activity and ensuring help to the deficit states from other neighboring states of the NE Region during the time of need in the real-time operation. He acknowledged the support received by Tripura State from other States of the Region which had spared additional quantum of power for it during the festive season. This was however heartily reciprocated by the Tripura State to those states during Christmas and New Year periods.

He further stated about the importance of inter-state & intra-state system to be commissioned matching with commissioning schedule of the coming up generating stations in this region, which are progressing so that the constituents do not suffer. The prevailing transmission constraints in NER do not permit this region to utilize power fully even when availability of power exists under surplus conditions. He said that necessary inputs concerning strengthening of the regional transmission system in this region were provided to CEA by NER constituents based on which the transmission system has been recommended by it. Now, this system needs to be developed on priority to overcome shortage conditions on account of the transmission constraints. For developing this system, NER States have limitations. The strategy recommended during first sectoral summit of NEC at Passighat for accelerated development of transmission, sub-transmission system and distribution system in NER in this regard is an issue of importance for us. As the demand of power is felt everywhere, the region as a whole should be able to provide quality power supply to its consumers. The recommended action plan at the above summit covering necessary funding /grants of the system for timely implementation of the transmission system development programme, therefore, needs to be taken up by all the concerned agencies on priority. He wished TCC members a fruitful outcome out of the deliberations slated for discussion in this meeting.

Member Secretary briefed the TCC about important issues included in the agenda and hoped that discussions would surely lead us to a favorable consensus opinion of all members. He requested NERLDC to make a presentation on the performance of NER during the last few months.

Shri L.K.Kannungo, GM, NERLDC briefed the participants relating to the problems faced in this region. He stated that due to transmission constraints especially in the 132 kV pockets followed by less generation in the region the demand could not be met. He also stated that NERLDC is preparing a special protection scheme to minimise the problems related to this constraint. GM, NERLDC stated that Hon'ble CERC has imposed a strict regulation for overdrawing from the grid and requested all the constituents to follow the grid discipline for smoother power flow in the region. He hoped that this meeting will address these various problems like upgrading of CTs, ICTs and revival of missing link for improvement of power flow. He said that surplus potential of energy exists in the region while peak demand of the NE Region is likely to double to around 3400 MW by year 2017. It is expected that upon commissioning of generating projects in the pipeline, the surplus by that time would still exist upto the order of 9400 MUs per year. The cost of energy considering the estimated AFC for the generation and transmission system of the order of Rs 4100 Cr would be around Rs 4.36 per unit. The timely implementation of interstate and inter-regional transmission system would therefore, be financially beneficial to the Region. He then requested Shri R. Sutradhar, Chief Manager, NERLDC to give a presentation regarding the grid performance of NER during the last few months. Presentation by NERLDC is at Annexure-III.

Thereafter, Chairperson, TCC requested Member Secretary, to take up the agenda items and the agenda items were then taken up.

**Proceedings of the**

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

The 7<sup>th</sup> NERPC meeting was held on 24<sup>th</sup> February 2009 at Hotel Pinewood, Shillong, Meghalaya. The meeting was hosted by Department of Power, Government of Nagaland.

The list of participants is enclosed at Annexure - II.

The meeting commenced with the lighting of lamp by Hon'ble Ministers of Power of North East States followed by bouquet presentations to all the Hon'ble Power Ministers of N.E. Region and to all other dignitaries.

Shri D. Basumatari, Chief Engineer, Department of Power, Government of Nagaland welcomed Shri Pradyut Bordoloi, Hon'ble Power Minister, Govt. of Assam & Chairperson, NERPC, Shri Conrad. K. Sangma, Hon'ble Power Minister, Govt. of Meghalaya, Shri D.Y.Sema, Hon'ble Power Minister, Govt. of Nagaland and all other dignitaries and senior officers of the NERPC. He expressed his gratitude to NER Power Committee for providing an opportunity to them for hosting this NERPC meeting at Shillong.

Shri Manjit Singh, Member Secretary, NERPC requested Shri Pradyut Bordoloi, Chairperson, NERPC & Hon'ble Minister of Power, Govt. of Assam to kindly Chair the NER Power Committee and address this forum.

Chairperson, NERPC requested Shri Conrad. K. Sangma, Hon'ble Power Minister, Govt. of Meghalaya to deliver his speech.

Shri Conrad K. Sangma stated that capacity addition and improvement of transmission facility regarding the ongoing 2x42 MW Myntdu Leshka Project is expected to be completed by 2009 – 10 and work on the 2x20 MW New Umtru is in full swing. The 220 kV Misa – Bynihat line is expected to be completed by 2010 which would be very crucial as it would coincide with the expected commissioning of the 750 MW of NTPC plant at Bongaigoan, followed by 726 MW Palatana Project of OTPC, 600 MW Kameng & 2000 MW Lower Subansiri HEP of NEEPCO & NHPC respectively. Further the 132 kV Agia – Nangalbibra transmission line is scheduled for completion in 2010 -11. He urged the forum to impress upon the Govt. of India to issue the allocation of Power from these projects at the earliest. He said that in last NERPC meeting, regional transmission strengthening schemes were finalized and approved. In this regard, status monitoring of the schemes would be required so that the schemes are completed so as to match with completion of generating projects under construction in the region. He said that matter for seeking Central Government's approval for funding of transmission system on 90% grant and 10% loan basis has been taken up by this forum in the right earnest and hoped that approval will be agreed soon. He also said that in the wake of rapid industrialization, setting up of Captive Power Plants needs to be encouraged. Also need is to encourage adopting the renewable sources of energy which will reduce dependence on depleting sources of energy and would promote optimum use of already constrained intrastate transmission systems. His speech is enclosed at Annexure – III.

Chairperson, NERPC requested Shri. D.Y.Sema, Hon'ble Power Minister, Govt. of Nagaland to deliver his speech. Shri Sema expressed that many upcoming Hydro Projects will be commissioned in the region and therefore the most important job is to strengthen the Transmission and Distribution systems for power absorption and evacuation.

He expressed his sincere gratitude to the Ministry of Power, Govt. of India for launching two major schemes i.e. RGGVY and APDRP. With these schemes the region would be able to improve distribution system to great extent. He said that much is left to be done and hoped that ongoing exercise on Transmission Plan by CEA will come out with such schemes which will meet the transmission inadequacies in the NE region. He also informed that the Govt. of Nagaland has already initiated for development of two major hydro projects (i) 150 MW Tizu-Zungki HEP (ii) 140 MW Dikhu HEP. He added that Transmission and Distribution system would need further strengthening for evacuation of power from upcoming stages of Doyang HEPs under Zunheboto district a link between Wokha and Mokochung. Therefore, these projects need the following Intra State Transmission lines to be developed on priority basis.

1. 220 kV S/C on D/C New Kohima – Kiphere
2. 220 kV S/C on D/C New Kohima – Mon (Naginimora)
3. 132 kV S/C Wokha – Zunheboto – Mokochung.

He added that the State government has intention of developing the industry for utilisation of rich mineral deposits of Mica, Copper and Zinc and huge natural geo-resources of high grade marble and building material present in the vicinity of above proposed lines by providing reliable electric power supply and he, therefore, strongly recommended that the above lines should be included in the latest modified NER Transmission Plan in the 1<sup>st</sup> phase. The text of his speech is enclosed at Annexure – IV.

The speech of Hon'ble Power Minister, Govt. of Tripura was taken as read and the text of speech is enclosed in Annexure – V.

The speech of Hon'ble Power Minister, Govt. of Mizoram was also taken as read and the text of speech is enclosed at Annexure-VI

Chairperson, NERPC welcomed all his counterparts, Hon'ble Power Ministers of N.E.Region, senior officials of Central & State Governments, Central & State Organizations. He expressed his sincere thanks to NERPC Secretariat and Department of Power, Government of Nagaland for their dedication to make this meeting a very successful. He expressed concern about the acute power shortage in the region and requested NEEPCO which operates and maintains the Central Sector thermal generating plants in the region at Kathalguri and R.C.Nagar of NEEPCO to maximize the availability from these stations till the onset of monsoon. He also expressed gratitude to the Government of India for clearing APDRP II during the current plan and it was due to the persuasion by Government of Assam that Government of India has agreed to fund 90% of the project cost of APDRP projects of NE States as against 50% for other States in India. He also expressed the importance of Cumulative Impact Study on the down stream areas of the region and therefore Central Electricity Authority and Central Water Commission should be taken up this matter at the earliest. He also expressed that Assam has legitimate ground for allocation of 6% free power from hydro projects to downstream Riparian State for relief and rehabilitation to the affected people. He strongly expressed that Sikkim is a part of NEC and therefore power projects in Sikkim should also be shared by NER States. He also stated that under RGGVY the villages have been electrified only partially. So to achieve full electrification to all areas, the forum should impress upon the Ministry of Power to provide additional assistance in the second phase of RGGVY. He said that the he has always been advocating creation of robust transmission system within the region as well as inter-regional links with 90% grant from the Central Government, which is only possible way to accelerate the pace of capacity addition in the region. For this a comprehensive high capacity corridor taking into account all the projects is to be in place as fragmented development of transmission system entails high resentment among farmers and lanowners as fertile plains land is diverted from agriculture.

He said that in 6<sup>th</sup> NERPC meeting held on 8<sup>th</sup> August 2008 at Gurgaon, the Committee had resolved that to accelerate development of transmission system in NER the Power Ministers of NER states would jointly approach the Hon'ble Prime Minister of India for granting the Region a Special Privilege with funding the interstate transmission schemes in the ratio of 90% grant and 10% loan. He requested the Power Ministers of the States of NER to give their valuable suggestions/views on the draft memorandum already circulated. The text of his speech is enclosed at Annexure – VII.

Shri Manjit Singh, Member Secretary, NERPC on behalf of NERPC welcomed Shri Pradyut Bordoloi, Chairperson, NERPC & Hon'ble Minister of Power, Govt. of Assam, Shri Conrad. K. Sangma, Hon'ble Power Minister, Govt. of Meghalaya, Shri. D. Y.Sema, Hon'ble Power Minister, Govt. of Nagaland, Shri B.K.Dev Verma, Principal Secretary, Power, Govt. of Meghalaya, Shri P. Lianhrima, Additional Secretary, Power, Govt. of Mizoram, Shri. Deepak Ganguly, CMD, TSECL and all other dignitaries and the participants to the 7<sup>th</sup> NERPC meeting. He thanked Hon'ble Power Minister, Govt. of Nagaland for kindly consenting to host the NERPC meeting at Shillong and Shri. D. Basumatari, Chief Engineer, Dept. of Power, Nagaland and the team of dedicated officers of Department of Power of Nagaland under his leadership and for the efforts made by them for arranging the meeting and for the comfortable stay of the members of the Committee at Shillong. He expressed his gratitude to Chairperson NERPC for his valuable guidance and dynamic leadership during his tenure as Chairperson of NERPC when various issues concerning the regional development were agreed with consensus opinion. The implementation of the schemes so approved is likely to bring relief to the end consumers of the electricity in the region. He stated that during the last 7<sup>th</sup> TCC meeting held yesterday the 23<sup>rd</sup> February, 2009 various important technical issues were discussed and resolved. He hoped that this meeting would deliberate the same and ratify the decisions.

Chairperson NERPC requested Member Secretary, NERPC to take up the agenda items for discussions by the Committee. Then Agenda items were then taken up.

**Record Notes of Discussions**  
**of the 7<sup>th</sup> TCC & 7<sup>th</sup> North Eastern Regional Power Committee Meeting(s)**

**ITEM NO. 1 Confirmation of the minutes of 6<sup>th</sup>. TCC and 6<sup>th</sup> NERPC meetings held on 07.08.2008 and 08.08.2008.**

**Deliberation of TCC**

Member Secretary, NERPC stated that the minutes of the TCC meeting of NERPC and 6<sup>th</sup> NERPC meetings held on 7<sup>th</sup> August, 2008 and 8<sup>th</sup> August, 2008 at Gurgaon were circulated vide letter No. 102 / 1 / NERPC / TCC/2008/5821-58 dated 25<sup>th</sup> August, 2008.

PGCIL had communicated amendments in list of transmission schemes at Sr. No.5 of Annexure-IV on page 47 of the minutes of the meeting as follows:-

**(i) “Mariani New (PG) – Melriat (Mizoram) S/S interconnecting 132 KV D/C line” to be read as “Melriat New (PG) – Melriat (Mizoram) S/S interconnecting 132 KV D/C line.”**

**(ii) “132 KV Pasighat – Roing – Tezu – Namsai line with s/s at Roing and Tezu with 2 x 12.5 MVA, 132 KV/33 KV at each....” To be read as “132 KV Pasighat – Roing – Tezu – Namsai line with s/s at Roing, Tezu and **Namsai** with 2 x 12.5 MVA, 132 KV/33 KV at each....”**

As the amendment suggested at (i) above related to a logical correction and was due to typographical error, the TCC agreed to correction with following modification to Melriat (Aizwal) New (PG)-Melriat (Aizwal) S/S interconnecting 132 kV D/C line.

Regarding amendment suggested at (ii) above the TCC agreed to correction with following modification to “132 KV Pasighat – Roing – Tezu – Namsai line with s/s at Roing, Tezu and Namsai with 2 x 12.5 MVA, 132 KV/33 KV at each....”

Meghalaya informed that the 132 kV LILO of one circuit of Silchar – Bongaigoan at Killing (Byrnihat) should be modified as 400 kV.

With the modification agreed to by TCC as above, it recommended confirmation of the minutes of the 6<sup>th</sup> NERPC meeting.

**Deliberation of the Committee**

***The minutes of the 6<sup>th</sup> NERPC Power Committee meeting held on 8<sup>th</sup> August, 2008 were confirmed by the Committee as no observation was made by any constituent members.***

ITEM NO. 1.1	<b>Follow-up actions on discussion of last committee meeting.</b>
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**Deliberation of TCC**

Member Secretary NERPC briefed the members regarding the actions taken by NERPC Secretariat on the decisions taken in the last meeting of NERPC. The details are as follows:-

**Item 1.1.1 ( Circulation of Sub-Group -1 set up by DoNER ).**

During the 6<sup>th</sup> NERP Committee meeting, (Item No. 7.1 & 7.2 of the recorded minutes of 6<sup>th</sup> NERPC meeting), it was decided that Report of the Sub – Group – I set up by DoNER after the Pasighat Conclave may be arranged for circulating to all NER constituents so that they could proceed further. Accordingly, NERPC vide letter No. 101/1/NERPC/Committee/2008/1271 – 99 dated 17<sup>th</sup> December, 2008 sent this report to all the constituents and was also made available at NERPC website. The TCC noted the same.

**Deliberation of the Committee**

***Member Secretary, NERPC informed that it was for information of RPC.***

**Item 1.1.2 (Nomination of Nodal Officers and status on Signing of Agreements):**

During the 6th NERP Committee meeting, (Item No. 7.1 & 7.2 of minutes of the meeting), the NER Power Committee had suggested NERPC Secretariat to write to all the constituents of NER to nominate their nodal officers regarding the power project of 740Mw Pallatana GBP so that all formalities like finalization of SHA & TSA documents and signing of PPA, BPTA etc. could be completed for the implementation of Associated Transmission System. NERPC vide letter No. 103/2/NERPC/OCC/2008 dated 20th October, 2008 (Copy at Annexure-1.1.2 (a) had requested NER constituents to send nominations for their nodal officers who will coordinate the signing of the various agreements at the earliest. Subsequently, the nominations were received from Assam, Meghalaya, Tripura, Manipur, Mizoram & Nagaland States for signing the above documents. However nomination was not received from Arunachal Pradesh. NERPC vide letter No. 103/2/NERPC/OCC/2008 dated 15th December, 2008 (copy at Annexure-1.1.2(b)) had again requested constituents to expedite furnishing the information so that the signing of the agreements is proceeded with early. NERPC vide letter No. NERPC / AS / Committee/2008 dated 19th December, 2008 (copy at Annexure-1.1.2(c)) had convened the meeting of NER constituents with the projects' implementation agencies and the NER beneficiaries on 16th January, 2009 at NERPC office, Shillong for finalizing and expedite signing of the agreement documents.

In the meeting, the OTPC, ONGC, IL&FS-IDCL and PGCIL representatives had explained NER constituents about the various preliminary works undertaken to ensure that the project delays are avoided. Shri R.K. Madan, Sr. Advisor (Business Development) ONGC Ltd had indicated that the project for establishment of Gas based 740 MW Power Project at Pallatana and 650 kM, 400 kV Pallatana-Bongaigaon D/c line is implemented by North East Transmission Company Ltd. (NETCL)- a JV Company of PGCIL,OTPC and beneficiary states of NER. The members who attended the meeting had noted that unless the process of the finalization of necessary agreement documents gets completed early, the commencement of main project activity could not take place in full swing. It was also noted that as implementation of the Pallatana Generation Project, its associated evacuation transmission network and the system strengthening work

involves carrying out activities in long, difficult terrains in limited periods of favourable weather conditions etc., the timely commencement of works is of utmost importance.

During meeting, the beneficiaries were requested to discuss/raise queries, if any, from their side on the contents of the draft agreement documents viz. PPA, SHA, ITSA (for Pallatana project), and BPTA (for system strengthening works approved in 6th NERPC meeting) which had already been forwarded by the implementing agencies to them. Certain queries by representatives from Assam, Tripura, Nagaland States relating to the agreement documents, projects, their targeted schedule and completion of transmission network matching with the generation projects completion etc. that were then answered/clarified by the representatives of above-mentioned project implementation agencies. Based on the above discussions, NER constituents/ Nodal officers, while indicating time-frame for finalizing of the agreement documents, had stated that the various commitments included in the documents were at an advanced stage of getting approved by their competent authority and the necessary approval for the same was expected to be available within a weeks' time. They intimated that the completed documents shall thereafter become ready by 23<sup>rd</sup> January 2009 and it would therefore be possible to complete the necessary formalities for signing latest by 28<sup>th</sup> January 2009. Further, it was agreed that the NETCL, OTPC and PGCIL representatives shall approach the constituents/nodal officers at a mutually convenient date between 23.1.2009 to 28.1.2009 for completion of necessary formalities and expedite signing of the documents. The decision in this regard was also intimated to the agencies/NER beneficiaries vide NERPC letter No. NERPC/AS/PC/2008/ dated 19.1.2009 (Annexure-1.1.2(d)) for needful.

### **Deliberation of TCC**

TCC noted about nominations received from the NER constituents except that from Arunachal Pradesh. Arunachal Pradesh intimated that the name of nodal officer would be intimated soon.

As per the decision of the Committee in 6<sup>th</sup> meeting on 8<sup>th</sup> August 2008, NERPC had convened the meeting of NER constituents with the projects' implementation agencies and the NER beneficiaries on 16<sup>th</sup> January, 2009 at NERPC office, Shillong for finalizing and expedite signing of the agreement documents.

The decision taken in the meeting in this regard was intimated to the agencies/NER beneficiaries vide NERPC letter No. NERPC/AS/PC/2008/ dated 19.1.2009.

The current status in regard to signing of the project documents was discussed in this TCC meeting of NERPC held on 23.2.2009 which was intimated by the constituents as follows:-

Assam: BPTA and ITSA were almost ready for signing by the nodal officers. SHA was under process of approval.

Mizoram: BPTA already signed. Other agreements under finalization and would be signed shortly.

Nagaland: Approval of BPTA, ITSA and SHA is awaited.

Meghalaya: ITSA, BPTA already signed. PPA is under scrutiny. SHA has been referred to the State Govt. for concurrence.

Tripura: SHA for NETCL already signed. PPA for Pallatana is under finalization. Regarding BPTA, Tripura suggested modification in clause No.1 to ".....The transmission tariff shall be as determined /notified by CERC in line with the Tariff Regulations in force from time to time." *instead of* ".....The transmission tariff shall be based on the actual funding of POWERGRID and as determined/notified by CERC from time to time."

Arunachal Pradesh: The documents were in process regarding PPA, ITSA, SHA. However, regarding BPTA, their views were same as that of Tripura.

Regarding BPTA matter all constituents were of the same view as that of Tripura and desired to amend the clause despite if the BPTA was signed by some of the constituents. POWERGRID maintained that the status quo on above should remain.

**The TCC decided that matter may be submitted to the Committee tomorrow in 7<sup>th</sup> NERPC meeting on 24.2.2009.**

**Deliberation of the Committee**

Shri R.K.Madan, Sr. Advisor (Business Development) ONGC Ltd requested the Committee that the case of Palatana should not be linked with other projects in NE Region. He said that unless documents for PPA, ITSA, SHA are signed by all the beneficiaries of Pallatana project the work will not be completed in time. He therefore requested that the signing formalities should be completed at the earliest. He assured that once these formalities are completed at the earliest, all efforts will be made to commission the project as per the schedule.

Chairperson, NERPC stated that this project is very important for this region especially during the lean season as this will provide a base load. He suggested to OTPC to take up the matter with NERPC in case difficulties, if any, seem to arise.

Shri Deepak Ganguly, CMD, TSECL stated that the Palatana power should be fully allocated to NER only as this would help the region during the lean hydro period. He said that present form of PPA document for Palatana project given by OTPC is not line with that for UMPP and this should be in line with the CERC guidelines for UMPP projects dealing with clauses pertaining to payment security mechanisms etc.

Regarding allocation from Palatana project, Shri R.K.Madan, Sr. Advisor (Business Development) ONGC Ltd informed that allocation has already been decided by the Govt. of India on the basis of which necessary documents have been prepared. He further said that Palatana project of OTPC is a merchant power plant. He said that merchant power plants being tariff based, entire philosophy of UMPP's is also not fully applicable for this category of projects.

**Regarding signing of agreements viz. ITSA, SHA and BPTA by Assam, Hon'ble Minister of Power, Govt. of Assam and Chairperson, NERPC stated that Assam was in the process of scrutinizing the project from economic point of view and the project documents would be signed shortly. Regarding PPA format as contended by TSECL, he suggested that this may be separately discussed with OTPC and settled for any modifications. He further said that the NER States may as well individually examine these aspects and finalise the document with OTPC early so as to expedite signing of the PPA document relating to the above project.**

**Item 1.1.3 (Inter-state transmission lines and Associated Transmission systems):**

Member Secretary, NERPC stated that during the 6<sup>th</sup> NER Power Committee meeting, (Item No. 9.1 (v) of the record notes of discussion during the meeting), the Committee had decided that NERPC Secretariat would take up the matter with MOP, GOI through CEA requesting for funding of inter-state transmission lines and its Associated Transmission Systems of generating stations in the ratio of 90% grant and 10% loan basis similar to National Highway Projects funded by Ministry of Surface Transport. In pursuance of the above decision, NERPC vide letter No. 101/1/NERPC/Committee/ 2008/3424-34 dated 22.10.2008 (copy at Annexure-1.1.3 (a) had requested CEA for considering the suggestion for recommending to the competent authorities suitably as the initiative would likely to help in achieving an accelerated power development in North-Eastern Region and in the country as a whole. Subsequently, CEA vide letter no. CEA/SP&PA/81/11/2008/1096-97 dated 25.11.08 requested MOP to take up the proposal with the Planning Commission for allocation of funds so that Transmission schemes for NER, both intra-state & inter-state could be funded on the basis of 90% grant & 10% loan. (The details

concerning modified/updated list of inter-state/intra-states lines of each state of NER proposed to be covered under this funding for execution of work are at Annexure 1.1.3(b)).

**The Committee noted as above.**

**Item 1.1.4 (Renovation and Modernization of Unit # 1 & 2 of Kopili Power Station and 220/132 kV Kopili Switchyard & 132/33 kV Khandong Switchyard.):**

During the 6<sup>th</sup> NER Power Committee meeting (Item No. 8.1 of the minutes of meeting), the above issue was discussed. NEEPCO had indicated about importance of taking up the R&M work, which would accrue benefits to the region in terms of reduced cost of generation and higher reliability level with reduced number of forced outages. After deliberations, the Committee suggested that NEEPCO might prepare a detailed report incorporating the cost implications and the benefits to be accrued to the beneficiaries and circulate among all the beneficiaries for further taking up issue in the next meeting. As this report had not been received, NERPC vide letter No. NERPC/Com/RPC-Corr/2008-09/dated 22.01.09 requested NEEPCO about status on preparation of the report and its circulation to the constituents of NER/NERPC Secretariat.

**Deliberation of TCC**

Regarding the status on above, NEEPCO intimated that the cost-benefit details for preparing the report were sought by them from BHEL and the final report is expected to be ready soon and same will be circulated to the NER constituents immediately after that.

**Deliberation of the Committee**

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

	-Tripura
<b>ITEM NO. 2.1</b>	<p><b><u>ATS of Monarchak GBPS (104 MW)</u></b></p> <p><b>Tripura vide letter dated 20<sup>th</sup> November, 2008 had informed that the ATS of Monarchak GBPS (104 MW) was found to be missing from the list of Transmission System agreed in the 6<sup>th</sup> NERPC Meeting. They have stated that the same was agreed during the Standing Committee Meeting on Power System Planning held on the 25<sup>th</sup> June, 2008 at Guwahati.</b></p>

	<p><b>In view of the above, they have requested to incorporate the ATS of Monarchak GBPS (104 MW) into the list of transmission system so that the project is also considered for granting special privilege with funding from GOI along with other transmission system in the list.</b></p>
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Member Secretary, NERPC said that in the above context, it is indicated that in the Standing Committee meeting on Power System Planning of North Eastern Region held on 25.6.2008 at Guwahati, TSECL had suggested to develop parallel 220 kV corridor from Surajmani Nagar in Tripura to Silchar (or Badarpur) S/s of PGCIL as part of inter-state regional system. In the meeting, Member (PS), CEA had clarified that proposal for transmission corridor from Surajmaninagar to Silchar was also lined up for evacuation of power from Monarchak GBPP. CEA had suggested allocation of Monarchak GBPP power to the states of NER so that the inter-state transmission system required for transmission of exportable surplus power of Tripura could be pooled into Regional Transmission System. However, at this stage as the entire power from Monarchak GBPP is proposed to be allocated to Tripura, the transmission system required for Monarchak GBPP would become responsibility of the generation developer and Tripura. Further, as power of Monarchak GBPP would not be fully consumed within Tripura and would need to be evacuated outside, development of the subject corridor would be necessary keeping in view the existing 132 kV system in the area and the future requirement. The Standing Committee had, therefore, suggested to consider developing the Surajmani Nagar-Silchar corridor for 400 kV D/c (initially charged at 132 kV), instead of 220kV D/c corridor. NERLDC in its presentation in the 6th NERPC meeting had, therefore,

included 400 kV Monarchak-Suraj Mani Nagar-PK Bari-Silchar line (charged at 132 kV) in the above context.

Therefore, in line with the above discussions, if agreed by the NERPC Committee, the portion 400 kV Monarchak-Suraj Mani Nagar-PK Bari D/c may form part of the scheme as intra-state project. The inter-state portion 400 kV PK Bari-Silchar D/c line which is to be pooled into Regional transmission has already been included in the 6th NERPC minutes discussions as approved by the Committee.

**Deliberation of TCC**

TCC discussed the issue. TCC observed that as the share from the Monarchak Project was with only Tripura state, the evacuation system proposed from the project as discussed in the Standing Committee was to be developed by the developer only and is to be treated as intrastate transmission system.

Regarding allocation of Monarchak share to other states of NER, NEEPCO indicated that upon downsizing of the capacity of the project from 500 MW to 280 MW and finally 104 MW, the allocation of share was finally decided by the authorities to be allocated only to Tripura state. PIB clearance has also been made.

TCC therefore suggested that until the share from the project is allocated to all the other NER constituents, the transmission scheme could not be included under regional system, wherein the NER beneficiaries are to share the transmission charges related to it. This was agreeable to Tripura.

**Deliberation of the Committee**

Chairperson, NERPC enquired from NEEPCO about the status of Monarchak GBP and also enquired about the methodology of power allocation from this project. Regarding share allocation from the project, he opined that the benefits from the projects implemented by Central Sector Generating Agencies are being availed by all the State beneficiaries of a region in the form of allocation in line with the guidelines of Gadgil's formula. Further, as each of the NER States has shown interest in allocation of share from the above project, the share should be allocated to all beneficiary States of this region.

Regarding status of the project, NEEPCO informed that the project will be commissioned in 2011 – 12. It indicated that this project was initially envisaged for 500 MW capacity. However due to certain constraints, the installed capacity was finally got reduced to 104 MW and it was decided that the whole power will only remain allocated to Tripura State only. NEEPCO stated that allocation can only be decided by MOP. Based on the present allocation PIB was given a go ahead. Accordingly the ATS for the project needs to be implemented matching with the above schedule of the project.

**The Committee deliberated the issue in detail. The Committee requested NEEPCO to impress upon for reconsidering the allocation of this project to all the beneficiaries of NER and take up matter with the competent authority for share allocation to all NER beneficiaries. Regarding ATS of Monarchak GBPS (104 MW), the Committee decided that as at present share is allocated only to Tripura State, the portion 400 kV Monarchak-Suraj Mani Nagar-PK Bari D/c may form part of the scheme as intra-state project. The inter-state portion 400 kV PK Bari-Silchar D/c line which is to be pooled into Regional transmission has already been included in the 6<sup>th</sup> NERPC minutes discussions as earlier approved by the Committee.**

	-Tripura
<b>ITEM NO. 2.2</b>	<p><b>Status review of proposed Schemes for NER Transmission System Development in line with Passighat Recommendations under NEC/DoNER funding</b></p> <p>Tripura State Electricity Corporation Limited vide letter dated 9.1.2009 have requested to discuss status review of proposed schemes for NER Transmission System Development on recommendations of Sub-Group-I on Transmission, Sub-transmission &amp; Distribution System in North-Eastern Region (as per the summarized detail listed below), during the first sectoral summit of NEC held on 16-17<sup>th</sup> January 2007 at Passighat, Arunachal Pradesh to review power sector programmes of NER.</p>

The summary of Action Plan for Implementation of Recommendations of the above mentioned Sub-Group-I was discussed as follows:-

**Action Plan:**

1. PGCIL should prepare and submit PFR/DPR on the project by February 2008 for investment approval and tying-up of necessary funds. Rs 50 Crores promised by DoNER should be released to PGCIL at the earliest for necessary field survey and preparation of DPR. The execution of works as per set programmes should commence from next financial year i.e. 2008-09.

2. Release of fund for each phase of works should be made timely to avoid cost escalation and time over-run of the project.
3. Institutional framework has to be created by NER States within six months with clear mandate so as to accelerate the growth of T&D plan works in states. STUs need to take time bound action plan, say 6-12 months to prepare and well equipped with technical know-how for execution of transmission works at 132 kV level and above.
4. A decision is to be taken to create an independent Tr. Agency on the lines of NEEPCO or create a subsidiary of PGCIL for NER under the Ministry of Power for execution of various inter and intra-state transmission lines in the region. It is also to be decided to entrust post commission O&M works of Transmission lines in the region to such organization.
5. MoP should expeditiously resolve the Tripura Gas allocation for NER states. It is also to be decided in principle that the entire thermal power from within the NER should be allocated to the NER states which should ensure proper payment security mechanism to the generator.
6. Allocation of thermal power from outside NER should be made to NER immediately to meet base load thermal power requirements in the region.

### **Deliberation of TCC**

Regarding **Points 1 & 2 above.**

Regarding status on preparation of DPR, PGCIL intimated that DPR required to be revisited in view of subsequent discussions with the constituents as the amendments were issued by CEA at a later stage. Therefore the DPR could not be finalized and the same would take another 6-8 months' time as the Phase I, Phase-II and Phase-III schemes were recast and survey is to take place to complete the job, as necessary funds amounting to Rs 50 Crores as promised by DoNER have not yet been released to them.

**Regarding Points 3 & 4 above.**

Regarding institutional framework and creating an independent Tr. Agency the constituents expressed that that they were having adequate expertise and hence another agency need not be created. If necessary the CTU would be approached for execution of work.

**Regarding point 5 & 6 above.**

Tripura Gas allocation for NER states is to be expeditiously resolved by MOP. The TCC recommended strongly that the entire thermal power from within the NER should be allocated to the NER states. TCC also recommended that till the ongoing thermal projects in the NER are commissioned, the allocation of thermal power from outside NER should be made to NER immediately to meet base load thermal power requirements in the region.

TCC requested CEA to kindly look into this matter and adequate allocation of base load power made to NER states particularly in off-peak times and during lean seasons on round the clock basis. Chief Engineer (GM), CEA agreed to take up the matter with competent authorities for consideration.

**Deliberation of the Committee**

The Committee noted as above and expressed that action plan requires to be taken up by all the concerned agencies on priority in the interest of timely implementation of the schemes under power sector in NER. Chairperson, NERPC expressed concern about the power evacuation from this region as many upcoming power projects were expected to be commissioned in the next few years, he enquired from PGCIL about the latest status of DPR for survey of the NER Transmission System Development.

GM I/C, NERTS, PGCIL informed about the status on preparation of DPR, that it is required to be revisited in view of subsequent discussions with the constituents as the amendments were issued by CEA at a later stage.

Therefore the DPR could not be finalized and the same would take another 6-8 months' time as the Phase I, Phase-II and Phase-III schemes were recast and survey is to take place to complete the job, as necessary funds amounting to Rs 50 Crores as promised by DoNER have not yet been released to them.

Hon'ble Minister of Power, Nagaland insisted upon CEA to include the three 220 kV and 132 kV lines in the Phase-I itself as included in the item No. 7(ii) hereunder. He further informed that by the end of 11<sup>th</sup> year plan Nagaland demand will shoot up to 200 MW and hence transmission system should be adequate enough to meet their demand and also to evacuate power from their upcoming hydel projects. Chief Engineer (GM), CEA agreed to convey the matter to the concerned authorities for needful.

CMD, TSECL also impressed upon PGCIL to speed up the work of the missing links to improve the 132 kV pocket and desired to know current status on the same. PGCIL intimated that the work is in progress and the latest status would be intimated.

The short-term implementation of action plan for revival of 132 kV P.K. Bari-Dharmanagar-Dullavcherra-Pannchgram link between Assam and Tripura was also discussed. Member Secretary, NERPC stated that the matter had been under discussion in OCCM of NERPC, when issue of revival of the above link came up for discussion in view of frequent tripping of 132 kV Kumarghat-Aizwal line resulting in transmission constraints and requiring backing down of essentially needed thermal generation at AGTPP under prevailing shortage conditions. Although it was intimated by TSECL that proposal for strengthening and renovation of the 132 kV Dharmanagar-Dullavcherra-Pannchgram line has been considered under intra-state transmission scheme for DPR as above is under preparation under financial assistance of DoNER. As the implementation of this scheme is likely to take more time, the OCC in 35<sup>th</sup> meeting held on 6.2.2009 suggested to discuss possible short-term implementable solution which shall meet the urgent minimum requirements, which was discussed in a meeting held on 17.2.2008 at Agartala, between NER constituents' representatives NER states and PGCIL(NERTS), NERLDC and NEEPCO, wherein short-term requirement of equipment was finalised.

It was recommended therein that AEGCL and TSECL will arrange common procurement and installation work for the line. AEGCL had requested that TSECL may arrange common procurement and installation work for both Tripura and Assam and cost may be shared proportionately, if agreed.

Chairperson, NERPC said that in view of above, the **short-term solution for revival of above Tripura-Assam interstate link** may be implemented by TSECL as per the above recommendation in the interest of reliability and maximization of availability in the region. The expenditure from AEGCL will be shared with TSECL on proportionate basis. CMD, TSECL agreed to the same. **The Committee suggested that work may be completed by September 2009.**

	-Tripura
<b>ITEM NO. 2.3.1</b>	<b>Status of 740 MW GBPP of OTPC at Pallatana and TGBPP 104 MW Monarchak, Tripura projects</b>

Member Secretary, NERPC said that Tripura State Electricity Corporation Limited vide letter dated 9.1.2009 have also requested to discuss status of above projects. OTPC and NEEPCO were requested to furnish information on the status of the ongoing activities for these projects which are envisaged to deliver benefits to the NE Region in 11th Plan.

### **Deliberation of TCC**

OTPC intimated that revised capacity for Pallatana GBPP is 726.6 (2x363.3 MW) MW instead of 740 MW.

The COD for unit I as intimated by OTPC is 20.12.2011 (42 months) and

The COD for unit II is 22.03.2012 (45 months)

NEEPCO intimated the expected date for 104 MW Monarchak, Tripura is November 2011.

### **Deliberation of the Committee**

**The Committee noted as above.**

	-Tripura
<b>ITEM NO. 2.3.2</b>	<p><b>Suggestion for inclusion in BPTA document</b></p> <p>TSECL vide letter dated 21.1.2009 suggested modification in BPTA document sent by PGCIL to NER constituents vide their letter dated 24.11.2009 in clause No. 1 as follows:-</p> <p>“ <u>Clause No. 1:</u> .....The transmission tariff shall be as determined /notified by CERC in line with the Tariff Regulations in force from time to time.” <i>instead of</i> “.....The transmission tariff shall be based on the actual funding of POWERGRID and as determined/notified by CERC from time to time.”</p> <p>TSECL intimated that upon confirmation of above from PGCIL, they would initiate necessary steps towards signing of the BPTA.</p>

**Deliberation of TCC**

In the TCC meeting, regarding above, all constituents were of the same view as that of Tripura and desired to amend the clause despite if the BPTA was signed by some of the constituents. POWERGRID maintained that the status quo on above should remain.

The TCC had decided that mater may be submitted to the NER Power Committee in 7<sup>th</sup> NERPC meeting on 24.2.2009.

**Deliberation of the Committee**

CMD, TSECL, Tripura informed that they have agreed to sign BPTA after incorporating the necessary amendments.

***Chairperson, NERPC requested all the constituents to sign BPTA at the earliest so that the projects will not be delayed further.***

	-NHPC
<b>ITEM NO. 2.4</b>	<p><b><u>Signing of Power Purchase Agreement (PPA) with Assam and Arunachal Pradesh in respect of Subansiri Lower HE Project (2000 MW) of NHPC in Arunachal Pradesh</u></b></p> <p><b><i>NHPC Ltd vide letter dated 12.01.09 intimated that all other beneficiaries of NER have signed PPA in respect of the above project except Assam and Arunachal Pradesh.</i></b></p>

In 6th NERPC meeting, it was noted by the Committee that Arunachal Pradesh & Assam were yet to give their concurrence on the draft PPA sent to them by NHPC. The views expressed by them were as follows:

*Arunachal Pradesh:* They would sign only if allotted 12% free Power in place of 10% proposed in the PPA.

On the above issue the Committee had already requested NHPC and Arunachal Pradesh to discuss bilaterally and approach Ministry of Power for allocation of the free power accordingly.

In response to letters dated 11.7.2008 and 11.8.2008 from Arunachal Pradesh wherein, it had requested NHPC to incorporate two clauses in the Power Purchase Agreement of Subansiri Lower HE Project before signing the agreement document- the former related to 12% free power to the State while the later one is regarding levy of 9% interest on Rs 225 Crores remitted to Govt. of Arunachal Pradesh which should be continued up to the year 2012, NHPC vide letter dated 16.10.2008 had clarified as under:-

-To the first issue, NHPC clarified that the regulation and allocation of power to beneficiary states shall be done as per clause 2.2 of PPA which is reproduced as follows:-

“The allocation of power from NHPC Station(s) amongst the Bulk Power customer(s) shall be in accordance with the instructions issued/ or to be issued by MOP, Govt. of India from time to time.”

-To the issue relating to payment of interest on Rs 225 Cr. advanced to Govt. of Arunachal Pradesh, NHPC intimated that the amount pertains to the implementation of Dibang and Tawang (I&II) Hydro-electric projects by NHPC, which is to be regulated as per the MOA signed between the Govt. of Arunachal Pradesh and NHPC on 24.06.2007. NHPC indicated that the same stands and intimated to the Under Secretary (Power), Govt. of Arunachal Pradesh vide NHPC letter dated 17.09.2008.

In view of above, NHPC had requested Arunachal Pradesh to expedite signing of the PPA in respect of Subansiri Lower HE Project (2000 MW) at the earliest.

Assam: They sought certain correction in PPA to replace the word “CEA” with “CERC” as mentioned in dispute redressal authority to enable them to sign the PPA.

NHPC vide letter dated 4.11.2008 addressed to ASEB, intimated that NHPC had a meeting with ASEB on 24.10.2008 and had impressed upon that the adjudication of any dispute shall be resolved through arbitrator and in case of disagreement between the two parties the same shall be got resolved through arbitrator to be nominated by the Chairman, CEA, else the appointment of the arbitrator has to be done as per the provisions under Arbitration and Conciliation Act, 1996. NHPC further intimated that as per clause no.10 of the said draft PPA both the parties have been given fair chance to mutually appoint the arbitrator for technical matters other than the commercial aspects, whereas ASEB had earlier contended that any dispute shall be settled through the provisions of Electricity Act, 2003 and not as per provisions of Arbitration and Conciliation Act, 1996 quoting recent Hon’ble Supreme Court order dated 13.3.2008 in Case No. appeal (Civil) 1940 of 2008 in between GUVNL and Essar Power Ltd. clarifying their idea.

### **Deliberation of TCC**

Regarding this Arunachal Pradesh maintained signing of PPA can only be agreed if 12% free power is allocated to the State.

NHPC stated that power allocation is done by Govt. of India MOP and requested that the State may approach Govt. of India for this purpose.

However Assam State would be ready to sign within the week's time. Assam suggested that NHPC representative may approach Assam for mutually convenient date for signing the same after that.

### **Deliberation of the Committee**

Assam informed that they will be signing the PPA with NHPC shortly. As the share is to be allocation is done by Govt. of India, the Committee requested Arunachal Pradesh to approach the competent authority for allocation of higher share of 12% as being contended by the State and the PPA signed with NHPC.

<b>ITEM NO. 3.1</b>	<p><b>Proposal of Foreign training on Power Exchange (PX) &amp; Power Market by utilizing the fund of Reactive Pool Account of NER.</b></p> <p>In pursuance of request made by NERPC in 5th NERPC meeting, regarding taking assistance of PTC for organizing foreign training of an identified group of engineers of NER in countries, which have been operating and are having expertise for Power Exchange &amp; Power Market to gainfully utilize the facilities provided by PX. Accordingly PTC had taken up the matter with such an agency viz. SWECO/Nord Pool, Norway (Nord Pool is one of the advanced Power Exchanges operating in the world successfully) for furnishing their proposal for organising this training. PTC vide letter No. PTC / INPIC / MTFG /9163 dated 14th November, 2008 ( copy of details enclosed at Annexure – 3.1) have sent proposal from the above agency for study visit of seven days and seven nights at Oslo which would cover</p>
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	<p>important aspects of the subject training for 20 participants at budget of US\$ 80,000 at an exchange rate prevailing in November 2008. The above expenditure does not include provision for per diem in the above budget and also airfare including insurance, visa fees for the participants etc. PTC can arrange 2 days/ 1 night weekend trip in Norway at extra cost.</p> <p>PTC ( PTC had organized such trainings/workshops in Norway earlier where representatives from POWERGRID, CERC, CEA, RLDCs etc have participated and the visits had been of immense help to the visiting delegates) have requested to confirm and indicate the issues/subjects to be covered during the proposed visit for taking up further with the SWECO/Nord Pool, Norway.</p>
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The suitability of the above proposal of PTC requires to be considered in the context of training contents and nominations for forming a suitable group of engineers, from each of constituent states of NER and engineers from NERPC and NERLDC whose participation would be of help to North-Eastern Region in gainfully utilizing the facility of PX, being already operational in our country, so that further action can be initiated accordingly.

### **Deliberation of TCC**

In the TCC meeting, all constituents agreed to the proposal of the foreign training given by PTC. Arunachal Pradesh further suggested that as full fledged SLDCs are not established in the Arunachal Pradesh and other NER states except three states of Assam, Meghalaya and Tripura, the training coverage should also include upgrading the skill of load dispatch operators.

TCC discussed that matter. The TCC members and CEA suggested that in addition to the above proposed contents on advanced aspects of Power Exchange (PX) & Power Market., the exposure may also focus on present-day mechanisms/techniques in handling activities/transactions related to Open Access in the interconnected grid operation, Load Despatching operations and necessary

acquaintance which concerns upgrading the skill of the participating Load Despatch/Grid Operation engineers.

TCC also suggested that as the quoted amount as above does not include the charges, other than only the training charges, such as to & fro air-fare, domestic air/rail/road transport, lodging and boarding expenses etc., the same will not be possible by the beneficiaries to meet from their resources. Therefore, total cost covering fuller scope may be obtained from the agency as above to account for all such charges and may be met out of the Reactive Pool account. NVVNL may also be approached and proposal examined in the light of meeting the total expenditures keeping in view level of participation and the contents of training to the engineers handling interconnected grid operation activities and the Load Despatch operations in the real-time etc.

### **Deliberation of the Committee**

Committee discussed and agreed to the above proposal suggested by TCC. In addition to above, the Committee members suggested that the political decision makers (i.e. respective Power Ministers) also need exposure and be included in the above proposal of PTC on study/training schedule for better understanding of latest developments in power sector. The senior level delegation of this study team would be headed by the Chairperson, NERPC and should be able to meet senior power officials, the policy makers, regulators and key power utilities abroad for better understanding of latest developments in power sector and to enable taking most appropriate decisions for setting up of the state-of-the-art facilities in the region for optimal electric energy exchanges.

***The Committee deliberated the issue and agreed that NERPC Secretariat after obtaining necessary details from the PTC may prepare program/itinerary details accordingly for exposure/training with SWECO/Nord Pool for senior level study team comprising Minister level representation of Chairperson, members of North Eastern Regional Power Committee and for the suitably nominated mid-level officers from NER States, NERLDC and NERPC for exposure on training contents recommended above.***

**The expenditure for the above exposure/training programme for both senior level team and mid-level officers covering training cost, to & fro airfare, lodging and boarding expenses etc. may be met out of the Reactive Pool account.**

**ITEM No. 4.0 - Assam**

<b>ITEM No. 4.1</b>	<p><b>Display of 15 Minutes time-block average frequency.</b></p> <p>ASEB vide letter dated 31.1.2009 had indicated that at present NERLDC is providing daily average frequency profile over 15 minute time-blocks at the end of the month which is not sufficient for carrying out day to day business and other decision making processed smoothly by them.</p> <p><b>ASEB have requested that NERLDC may arrange to provide/display 15-minute time-block average frequency of the day on daily basis.</b></p>
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**Deliberation of TCC**

TCC discussed and the NERLDC expressed that the proposal was not feasible as data needs to be downloaded from the SEM on weekly basis. The UI could be estimated tentatively from own SLDC SCADA data by Assam.

**Deliberation of the Committee**

**The Committee noted as above.**

<b>ITEM No. 4.2</b>	<p><b>Share of Monarchak Gas Based Power Project.</b></p> <p>ASEB vide letter dated 31.1.2009 have indicated that NEEPCO by the Govt. of India is entrusted with work to construct, commission and operate the Monarchak Gas Based Power Project in Sonamura district of Tripura. Upon request by NEEPCO, the beneficiary - ASEB had earlier given requisition of 200 MW power from this project and accordingly signed a PPA with NEEPCO to this effect. (A copy of the PPA at Annexure-4.2). ASEB have expressed that they require thermal power and are still very much interested to have share from the Monarchak thermal project. NEEPCO may therefore, apprise the Committee on the present status of the project and take necessary steps for allocation of share to ASEB from the above project in line with the PPA, already signed.</p>
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**Deliberation of TCC**

During deliberations in TCC meeting on the subject, NEEPCO intimated that upon downsizing of the capacity of the project from 500 MW to 280 MW and finally 104 MW, the allocation of share was finally decided by the authorities to be allocated only to Tripura state. PIB clearance has also been made and Gas supply tied up to commence the project activity.

**Deliberation of the Committee**

Chairperson, NERPC enquired from NEEPCO about the status of Monarchak GBP and also enquired about the methodology of power allocation from this project. Regarding share allocation from the project, he opined that the benefits from the projects implemented by Central Sector Generating Agencies are being availed by all the State beneficiaries of a region in the form of allocation in line with the

guidelines of Gadgil’s formula. Further, as each of the NER States has shown interest in allocation of share from the above project, the share should be allocated to all beneficiary States of this region.

Regarding status of the project, NEEPCO informed that the project will be commissioned in 2011 – 12. It indicated that this project was initially envisaged for 500 MW capacity. However due to certain constraints, the installed capacity was finally got reduced to 104 MW and it was decided that the whole power will only remain allocated to Tripura State only. NEEPCO stated that allocation can only be decided by MOP. Based on the present allocation PIB was given a go ahead. Accordingly the ATS for the project needs to be implemented matching with the above schedule of the project.

***The Committee deliberated the issue in detail. The Committee requested NEEPCO to impress upon for reconsidering the allocation of this project to all the beneficiaries of NER and take up matter with MOP for the share allocation.***

<b>ITEM No. 4.3</b>	<p><b>Enhancement of CT ratio for 220 kV Samaguri-Ballipara line at 220 kV Samaguri end(AEGCL)</b></p> <p>In 35th OCCM of NERPC held on 6.2.2009, it was noted that CT ratio for 220 kV Samaguri-Ballipara line at Samaguri end requires to be enhanced. During deliberation on the matter, NERLDC explained that constraints arise in transferring power outside the 132 kV pocket during high hydro conditions or when one of the two ICTs at the 220 kV Samaguri s/s is under outage resulting under-utilisation of cheaper hydro energy/generation loss due to backing down. In view of above, the sub-Committee suggested that existing CT ratio, which is 400 A/1 A, should be enhanced to minimum 600 A/1 A (or preferably 800 A/1 A) for safe passage of power at the prevailing power levels over the line. AEGCL representatives in</p>
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	<p>the meeting requested that the item with the above recommendation may be submitted to TCC/NERPC in the ensuing 6th NERPC meeting on 23rd and 24th Feb, 2009 for approval.</p>
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**Deliberation of TCC**

Assam intimated that the state will examine the proposal and would initiate action for upgrading the CT ratio.

**Deliberation of the Committee**

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

**ITEM NO. 5.0 POWERGRID**

<p><b>ITEM No. 5.1(a)</b></p>	<p><b>Transmission system associated with Pallatana GBPP and Bongaigaon TPS :</b></p> <p>PGCIL have indicated that the transmission system associated with Pallatana GBPP and Bongaigaon TPS was finalised in the 6<sup>th</sup> TCC/NERPC meeting held on Aug 08, 2008 at Gurgaon. It has been stated that the detailed scope of works which was finalized after subsequent discussions among CEA, POWERGRID and concerned States and the same have been brought out vide POWERGRID letter no. C/ENG/NE/00/SEF/PLG dated 20-10-2008 addressed to CEA (Copy of the same was also sent to NER constituents).</p> <p>The details of list of schemes sent by PGCIL in their above-mentioned letter is placed at Annexure-5.1(b).</p>
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**Deliberation of TCC**

Member Secretary, NERPC said that AEGCL vide letter dated 6.1.2009 addressed to CEA had indicated that in the above list for scope of works following lines were not included under ATS and system strengthening of inter state/inter regional system proposed under pooled system of NER, but were kept under the scope of AEGCL:-

1. Silchar 400 kV s/s-Srikona (AEGCL) 132 kV s/s interconnecting 132 kV D/c line
2. Silchar 400 kV s/s-Hailakandi (AEGCL) 132 kV s/s interconnecting 132 kV D/c line

Subsequently, CEA vide letter 89/4/2008/SO&PA dated 3.2.2009 addressed to PGCIL confirmed that the above lines were agreed for inclusion of these in the scope of implementation by PGCIL under pooled system of NER, in the Standing Committee Meeting on Power System Planning of the NER held at Guwahati on 25.6.2008. CEA further intimated that after approval in 6<sup>th</sup> TCC and NERPC meeting held on 7<sup>th</sup> & 8<sup>th</sup> August 2008 and that during the meetings between CEA, PGCIL and AEGCL on 21.8.2008, it was maintained that the above lines remain in the scope of PGCIL as system strengthening works for absorption of share of power from Pallatana GBPS and Bongaigaon TPS. CEA had, therefore, requested PGCIL to seek approval of Government under Section 68 of the Electricity Act, 2003 for the above lines also.

**TCC noted that above is included in BPTA**

**Deliberation of the Committee**

**The Committee noted as above.**

<b>ITEM No. 5.1(b)</b>	<b>Transmission system associated with Lower Subansiri HEP :</b> PGCIL intimated that in regard to transmission system associated with Lower Subansiri HEP, 132kV inter-connection by loop-in & loop-out of Depota-Gohpur 132kV line at Bishwanath Chariyali was approved and included in the DPR.
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	PGCIL further indicated that during the discussions held in the 6th TCC/NERPC meeting, AEGCL representative had pointed out that 132kV interconnection may be provided through 132kV D/c line between Bishwanath Chariyali (POWERGRID) and Bishwanath Chariyali (AEGCL) instead of loop-in & loop-out of Depota-Gohpur line and the same was agreed and requested to record the same in 6th NERPC meeting minutes.
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**Deliberation of TCC**

**TCC noted that above is already included in BPTA**

**Deliberation of the Committee**

**The Committee noted as above.**

<b>ITEM No. 5.1(c)</b>	<b>Commissioning Schedule of Generation Projects in NER :</b>		
	PGCIL intimated that the following generation projects have been taken up by generating agencies for implementation. The proposed date of commissioning for these projects is as below :		
	<b>Generating Agency</b>	<b>Generation Project</b>	<b>Commissioning Schedule</b>
	NHPC	Lower Subansiri	October-2011
	NEEPCO	Kameng HEP	December-2010
NTPC	Bongaigaon TPS	August-2010	
OTPC	Pallatana GBPP	March-2012	

**Deliberation of TCC**

Chief Engineer, Mizoram stated that Tuirial HEP (4 x 15 MW) is very crucial for Mizoram and enquired from NEEPCO about the status of this project.

NEEPCO informed that they require some more funds to complete this project and the status of funding is awaited and once the funds are available it will take about four years time to complete.

**Deliberation of the Committee**

Chairperson, NERPC requested NEEPCO to look into this matter seriously and at the same time requested Mizoram to take up the matter with the funding agencies so that the project will be commissioned in time.

<b>ITEM No. 5.2</b>	<b>Signing of BPTA :</b>  In pursuance of decision by the Committee in 6th NERPC meeting on 08th August'2008, BPTA is to be signed for the new transmission schemes concurred in the said meeting. Considering the evacuation of power to be commenced with the coming up of new generation projects in NER by the end of year 2011, the time period is very limited and unless the BPTA is signed urgently there will be delay in implementation of the transmission schemes. Mizoram has already signed the same. The remaining constituent States should expedite signing of the BPTA so that execution of the schemes is taken up without delays.
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**Deliberation of TCC**

Status already discussed under item No. 1.1.2 above.

**Deliberation of the Committee**

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

<p><b>ITEM No. 5.3</b></p>	<p><b>Payment of Revised UCPTT :</b></p> <p>PGCIL have submitted that CERC vide order dated 30th Sept'2008 in petition no. 38/2008 directed that revision of UCPTT share should be effective from 01.02.2000 to 31.03.2007. It has also been informed that payment of arrear on UCPTT revised share from 01.04.2004 has already been effected. The above order directed that Member Secretary, NERPC would issue details of net amount payable/receivable by different agencies from 01.02.2000 to 31.03.2004 based on revised sharing formula latest by 31.12.2008. Accordingly, NERPC Secretariat had issued the details of net payable/receivable vide its letter dated 15.12.2008. As per the order dated 30th Sept 2008 of CERC, the arrear for the period from 01.02.2000 to 31.03.2004 shall be paid in eight equal quarterly installments commencing on 31st March'2009 and shall be liquidated by 31st December'2010.(details at Annexure- 5.3).</p>
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**Deliberation of TCC**

Tripura intimated that Hon'ble Appellate Tribunal had subsequently issued order in on 4<sup>th</sup> December 2008 holding the above order dated 30.9.2008. PGCIL had taken a note of it and would revert back.

**Deliberation of the Committee**

PGCIL clarified that order dated 4.12.2008 by Hon'ble Appellate Tribunal pertains to Appeal No. 73 of 2008 & I.A. No. 104 of 2008 by the Appellant ( viz. PGCIL) which challenges the order of Hon'ble CERC dated 7.3.2008 in the matter of determination of transmission tariff for NER for the period of 1.4.2004 to 31.3.2009, wherein appellant is aggrieved with the denial of tariff as per Regulations for the period 1.4.2007 to 31.03.2007.

The above order dated 4.12.2008 by Hon'ble Appellate Tribunal set aside the impugned order (dated 7.3.2008) directing the Hon'ble Commission to re-determine tariff for the appellant, PGCIL for the period from 1.4.2004 to 31.3.2007, whereas the subject issue under the discussion item pertains to the payable amount for the period 1.02.2000 to 31.03.2004.

***Chairperson, NERPC suggested that PGCIL may discuss the same with the above detail in the forthcoming Commercial sub-Committee of NERPC.***

<b>ITEM No. 5.4</b>	PGCIL have furnished status as on 16.01.2009 of payment of installments of revised UCPTT share already effective from 01.04.2004 to be liquidated by the following constituents in eight equal quarterly installments, last being on 31st Dec'2008.			
	<b>Constituent</b>	<b>Install-ment cleared up to</b>	<b>Installment pending</b>	<b>Amount in Rs. (Crore)</b>
	Meghalaya	7th	8th	0.39
	Manipur	7th	8th	1.02
PGCIL have intimated that no installment is pending against Assam, Tripura, Nagaland, Mizoram and Arunachal Pradesh except the above two States.				

**Deliberation of TCC**

PGCIL intimated that all above dues have been cleared by the above constituents.

**Deliberation of the Committee**

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

<p><b>ITEM No. 5.5</b></p>	<p><b>Consent of Constituents for Implementation of Fiber Optic network in lieu of existing Microwave (MW) network operating in 2.3-2.4 GHz frequency band as this frequency band is being withdrawn by DoT :</b></p> <p>PGCIL intimated that Microwave communication network comprising of 12 hops was implemented in NER-ULDC project in 2.3-2.5 GHz band. DoT vide letter dated 14.07.2006 &amp; 19.08.2008 had advised POWERGRID to take necessary action for vacation of 2.3-2.4 GHz frequency band as this band is to be allotted to Broadband Wireless Access (BWA) services by DoT.</p> <p>As desired by Constituents during the 06<sup>th</sup> ULDC coordination meeting held on 19.09.2008, the issue of vacation of frequency band was apprised to Ministry of Power on 30<sup>th</sup> Sept., 2008 by POWERGRID. Further, the matter was taken up with DOT in a meeting held on 4.11.2008 under Chairmanship of Addl. Secretary, DoT, Ministry of Communications &amp; IT attended by Addl. Secretary, Ministry of Power in presence of CMD, POWERGRID.</p> <p>It further intimated that as per following conclusion in the meeting that 2.3-2.4 GHz frequency band in MW links under ULDC project is to be vacated within 2 years' time. Further, the cost compensation sought from DoT for early replacement of MW links as suggested by Constituents has not been agreed by DoT. Accordingly, Fibre Optic based Wideband communication network is to be implemented in lieu of existing MW links within the time frame of 2 years.</p> <p>As per the schedule decided at Ministry level meeting for vacation of frequencies, the NER constituents are to give their consent so that POWERGRID may ahead for implementation of OPGW based communication network, to replace MW links.</p>
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	To replace all microwave links in North Eastern Region, about 642 km of fiber optic cable is to be laid. Constituent wise break up of the fiber optic cable and its tentative cost is as follows:			
	Constituent	Central Sector	ASEB	Total
	FO cable length( in Kms)	25	617	642
	Tentative cost (in Rs Cr.)**	3.34	31.5	34.84
	** includes cost of terminal equipment also.			

### **Deliberation of TCC**

TCC discussed that the revised proposal by Assam was received by PGCIL with 15 km portion under Central Sector and 832 km under Assam. Assam intimated that out of 832 km, 315 km had already been taken up by them under ADB funding and remaining 527 km could be taken up by PGCIL. Assam agreed to share cost of their portion to be implemented by PGCIL.

For Assam portion, the cost estimate details shall be sent by POWERGRID to AEGCL enabling them to get necessary approval from SERC.

The other constituents requested PGCIL to send cost involvement by states of NER towards Central Sector portion. PGCIL agreed to intimate.

POWERGRID clarified that the recovery mode for implementing the Fiber Optic Communication Scheme shall be through tariff as per CERC guidelines.

During the above discussions in the meeting, in the light of emerging scenario of interconnected grid operation, it was noted that four States viz. Arunachal Pradesh, Manipur, Nagaland and Mizoram do not have full fledged facilities of SLDC and require setting up of the same, whereas the remaining states of Assam, Tripura and Meghalaya require up-gradation/setting up of backup SLDCs for their existing SLDCs.

In this regard, TCC suggested that all the NER states can establish their own SLDCs or upgrade as per the report of the committee on “Manpower, Certification and Incentives for System Operation and Ring fencing of Load Despatch Centers” dated 4th November 2008. It further suggested that the combined work of establishing SLDCs might be taken up separately by POWERGRID after necessary details are received from each NER constituent. POWERGRID was of the opinion that either each NER state can also get this work completed through POWERGRID via the Consultancy route.

This work may be proposed under 90% grant, 10% loan scheme or NEC grant scheme if accepted by the authorities.

### **Deliberation of the Committee**

***Regarding implementation of above Fiber Optic Network, after detailed deliberations, it was agreed by all the constituents that POWERGRID may take up the Fiber Optic Communication Scheme on priority. The Central Sector (CS) portion was agreed to be shared by all the constituents. Assam agreed to bear the cost for their portion. Assam would intimate details for part of the portion of 832 km proposed to be taken up by them under ADB funding, while for their remaining portion, Assam agreed to share the cost of their portion. As requested by Assam, the tentative cost of the scheme shall be sent by POWERGRID to AEGCL enabling them to get necessary approval from SERC.***

POWERGRID clarified that the recovery of Fiber Optic Communication Scheme for the Central Sector portion shall be through tariff as per CERC guidelines.

***Regarding setting up/up-gradation of SLDCs and setting up of backup SLDCs for the existing SLDCs in the North Eastern States as above, after detailed deliberations by the Committee, Chairperson, NERPC stated that Powergrid may obtain necessary inputs for requirements in respect of each State SLDC and prepare a detailed plan for the above mentioned work for discussion in a special meeting to be convened by NERPC with NER constituents and PGCIL***

**so as to finalize and recommend solution including funding etc. for the combined proposal for this SLDCs' project for the NE Region for approval by the TCC/NER Power Committee for implementation.**

<b>ITEM No. 5.6</b>	<p><b>Pile foundation at location No. 43 &amp; 44 of 400 kV D/C Balipara – Ranganadi line :</b></p> <p>PGCIL intimated that location 43 of the Balipara-Ranganadi line collapsed on 3rd September, 2008 following change in course of river Dikrong by more than 200 mtrs. The location 44 is also critically endangered and may collapse in case of another flash flood. Diversion of this section is not possible without covering a large section due to reserve forests in the adjoining areas.</p> <p>PGCIL have, therefore proposed for constructing pile foundations at locations 43 &amp; 44 of this line. It is intimated by them that this option would be both cheaper and can be implemented faster as compared to the alternative of line diversion and have indicated that the estimated cost for these locations with pile foundation would be approximately 2.5 Crore.</p>
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**Deliberation of TCC**

TCC members discussed this issue in detail and recommended that PGCIL may take up the work of constructing pile foundations at above locations through O&M expenditure of PGCIL

**Deliberation of the Committee**

**The Committee agreed to as above.**

<p><b>ITEM No. 5.7</b></p>	<p><b>Transformer at Nirjuli Sub-station :</b></p> <p>PGCIL have intimated that 1x10 MVA, 132/33 KV Transformer at Nirjuli S/S failed on 27.05.2008 following a fault in the 33 kV system of Arunachal Pradesh. It has been further intimated that a part of 33 kV system of Arunachal Pradesh fed by this transformer is subjected to frequent faults causing severe stresses in the transmission equipment at Nirjuli S/S. PGCIL have informed that during the period from 01.04.2007 to 27.05.2007 a total no of 246 faults had occurred in the 33 kV system.</p> <p>In view of above, PGCIL have proposed to replace the transformer with a new one, which is presently in process of procurement. It has intimated that as an interim arrangement, a 16MVA transformer diverted from Deomali substation of Arunachal Pradesh has been installed and which is in operation since 10th January 2009.</p> <p>In view of the circumstances stated above, PGCIL have proposed the following:-</p> <ul style="list-style-type: none"><li>a. The outage of the 10MVA transformer may not be attributable to POWERGRID.</li><li>b. Capitalization of the new transformer.</li></ul>
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**Deliberation of TCC**

TCC members discussed this issue in detail and recommended that PGCIL may replace the above transformer through O&M expenditure of PGCIL

**Deliberation of the Committee**

***The Committee agreed to as above.***

<p><b>ITEM No. 5.8</b></p>	<p><b>Renovation &amp; Modernization (R&amp;M) of various 132 kV Substations in POWERGRID, North Eastern Region :</b></p> <p>PGCIL have intimated that out of 14 Nos. of Sub-Stations at various voltage levels operated by it, comprising 3 (three) nos. at 400kV level, 2 (two) nos. at 220kV level and 9 (nine) nos. at 132kV level, some of the 132kV Substations/bays have completed over 20 years of service. The equipments installed in these Substations/bays were manufactured in early 1980`s and have become old &amp; obsolete. Because of age &amp; non-availability of spares maintaining the equipment at acceptable levels of reliability is becoming increasingly difficult. It has therefore been proposed that to improve reliability of the system, R&amp;M at some of the older stations is needed. A list of such sub-stations and detail of R&amp;M activities proposed to be carried out by PGCIL are at Annexure-5.8, in which estimated cost of expenditure involved has been indicated as Rs. 275.63 Lakhs.</p>
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**Deliberation of TCC**

TCC suggested that the above proposal may be routed through OCC/Protection and Commercial forum of NERPC and submitted to the TCC for further discussion. PGCIL agreed to the same.

**Deliberation of the Committee**

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

<b>ITEM No. 5.9</b>	<b>Outstanding UI payments :</b>  Status of UI Outstanding as on 28th January, 2009 (is enclosed at Annexure -5.9). Arunachal Pradesh and Nagaland outstanding are Rs. 6.85 Crores and Rs. 4.33 Crores respectively.
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**Deliberation of TCC**

The TCC requested the constituents to liquidate the UI payable amount at the earliest to avoid mounting of outstanding dues.

**Deliberation of the Committee**

***The Committee note as above.***

<b>ITEM No. 5.10</b>	<b>Training of system operators, utilizing Reactive Pool amount :</b>  As decided in 5th / 6th. TCC meetings of NERPC, following programs are in progress utilizing Reactive Pool amount :  i) One day Seminar in each NER State Capital ii) Training on ULDC (EMS SCADA)
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**Deliberation of TCC**

TCC noted as above

**Deliberation of the Committee**

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

<b>ITEM NO. 6.0</b>	<b>Representation of Electricity Traders in the region</b>
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During 6th NERPC meeting held on 7th & 8th August 2008, matter relating to inclusion of new members in NERPC was discussed. In TCC meeting, the members had suggested regarding checking up provisions regarding RPC membership of RPC before taking any decision regarding inclusion of DSC Ltd, New Delhi and JSW Power Trading Co. Ltd. for NERPC membership.

In NERPC meeting, Chairperson, NERPC had expressed that permitting more competitors might be viewed favorably for the benefit of the region.

In the above context, Ministry of Power, Government of India vide resolution dated 9.5.2008 made amendment in Para 3 of the previous subject resolution dated 29.11.2005 regarding provision for RPC membership. As per the same, representation of the electricity traders in the region is governed under a provision which is reproduced as below:-

“One member representing the electricity traders in the region by alphabetical rotation, which have trading volume of more than 500 million units during the previous financial year.”

In a letter dated 19.1.2009 (copy at Annexure-6) from Sr. Vice President & Director, M/s JSW Power Trading Co. Ltd., it has been requested for participation of JSW as member /special invitee in the NERPC meetings till confirmation of the same.

**Deliberation of TCC**

Chief Engineer (GM), CEA explained in detail further clarifications to the above issue. CEA would intimate the region-wise details of membership soon as the same is worked upon by the CEA in this regard.

In view of above, TCC suggested that till such time the status quo may be maintained on above.

**Deliberation of the Committee**

***Chairperson, NERPC expressed that permitting more competitors for this region would be beneficial for NER in view of surplus power conditions that are likely to prevail in NER in the near future. However till details of membership is available, the status quo may be maintained on above.***

**ITEM No. 7.0 - Supplementary Items**

	<b>Nagaland</b>
<b>ITEM No. 7.1</b>	<p><b>LILO of 132 kV Dimapur(Nagaland)-Kohima (Nagaland) at Dimapur(PG)</b></p> <p>During TCC and 6th NERPC meeting held on 7th &amp; 8th August 2008, the above issue was discussed. Nagaland State had proposed that Dimapur(PG)-Dimapur(Nagaland) second circuit in place of LILO approved earlier in NEREB forum may be established. The Committee had suggested that matter may be resolved through discussion between CEA, PGCIL and Nagaland.</p> <p>CE, DOP, Nagaland vide letters dated 22.9.2008 &amp; 19.11.2008 had requested PGCIL to reconsider scheme for second feeder from Dimapur(PG) to 132 kV/33 kV Sub-station Nagarjan, Dimapur as the State is proposing to upgrade 132 kV Nagarajan, Dimapur S/s due to expected major load growth in Dimapur area and had suggested to examine the possibility of using one of the circuit to Nagarjan S/s Dimapur. He suggested that the proposed scheme is implementable by converting existing 3 spans of existing 132 kV S/c Dimapur-Kohima portion of line to D/c from the proposed tapping point to Nagarjan S/s as spare 132 kV is available and associated bay</p>

	equipment at Nagarjan S/s such as CT, PT, SF6 breakers, control panels shall be implemented by Nagaland and the existing 132 kV Dimapur-Kohima line would remain undisturbed.
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**Deliberation of TCC**

Nagaland state agreed that the original proposal may be gone ahead in view of the interest of strengthening the 132 kV pockets of the region. The proposal for second circuit will be taken up by the State separately.

Nagaland also suggested that settlement of compensation claims for acquiring land for transmission system in the state should be on uniform basis both by PGCIL and the Nagaland State.

**Deliberation of the Committee**

***Committee noted as above and further suggested that for proposal of additional system in the State the matter may be taken up in the Standing Committee on Power System Planning for NER for discussion.***

<b>Arunachal Pradesh</b>	
<b>ITEM No. 7.2</b>	<p>Arunachal Pradesh vide letter No. CE (P)/WEZ/SLDC/NEREB-MEETING/2008-09/352-57 dated 11.02.2009 (Annexure-7.2) have requested to discuss following two items in TCC and NER Power Committee meetings.</p> <p><b>High Voltage Problems</b></p> <p>Arunachal Pradesh have intimated that high voltage is observed at 132 kV Zero-Along via Daporijo line and the same may be discussed.</p>

	<b>Arunachal Pradesh</b>
<b>ITEM No. 7.3</b>	<p><b>Non-functioning of SCADA</b></p> <p>Arunachal Pradesh have further intimated that SCADA system in the State is not working for the last two years and this may be discussed.</p>

**Deliberation of TCC**

For 7.2 the TCC suggested that to control the above mentioned over voltage phenomena, the available shunt reactors on 400 kV Ranganadi-Balipara line should be made switchable. PGCIL intimated that the work for the reactors at Balipara is likely to complete by Sept/Oct 2009.

For 7.3 NERLDC intimated the non-working of UPS system for the SLDC SCADA terminal. Arunachal Pradesh suggested that NERLDC may depute personnel to attend the problem. GM, NERLDC agreed to make necessary arrangement for deputing the personnel to attend the rectification work at the earliest.

**Deliberation of the Committee**

***The committee noted as above.***

	<b>Assam</b>
<b>ITEM No. 7.4</b>	<p>ASEB vide letter No. ACE (COM)/T-4/NERPC/PT-1/2006 dated 14.02.2009 have requested to discuss following two items in TCC and NERPC meetings.</p> <p><b>Colony Consumption of Central Sector Generating Station</b></p> <p>ASEB have indicated (copy at Annexure- 7.4) that they had been billing energy charges to NEEPCO for its colony consumption for Umrangsu Residential Colony of KHEP since</p>

	<p>inception and that outstanding energy charge till date is about Rs 30 Crs. It is further intimated by them that NEEPCO is not paying the electricity charges to ASEB/its successor companies in spite of regular billing.</p> <p>ASEB have suggested Committee to discuss the matter.</p>
<p><b>ITEM No. 7.5</b></p>	<p><b>New lines Under System Strengthening Scheme of NER and Funding thereof</b></p> <p>ASEB have indicated (Annexure- 7.4) that some lines and sub-stations approved in 6th NERPC meeting are proposed to be built at 400 kV level of voltage but would be charged at 132 kV level initially. Although the lines are necessary in the regional interest, but the transmission cost per unit of energy transmitted would remain high initially.</p> <p>ASEB have expressed that as due to higher burden being contributed by Assam State towards transmission cost, the forum may press for funding of upcoming transmission system with 90% grant and 10% loan from MoP, which would alleviate it to a possible extent and have desired that status on earlier decision appraised.</p> <p>In the above context, it is indicated that status on action taken regarding 90% grant and 10% loan is included under item 1.1.3 of the main agenda of this meeting and is briefly stated as follows.</p> <p>As was decided in the 6th NERP that NERPC would take up the matter regarding funding on 90% grant and 10% loan basis with MOP, GOI through CEA, NERPC accordingly vide letter No. 101/1/NERPC/Committee/ 2008/3424-34 dated 22.10.2008 (copy at Annexure-1.1.3 (a)) had requested CEA for considering the suggestion for recommending to the competent authority as the initiative would help in achieving an accelerated power development in North-Eastern Region.</p>

	<p>CEA subsequently vide letter no. CEA/SP&amp;PA / 81 /11/ 2008/1096-97 dated 25.11.08 ( copy at Annexure1.1.3(b)) have requested MOP to take up the proposal with the Planning Commission for allocation of funds so that Transmission schemes for NER, both intra-state &amp; inter-state could be funded on the basis of 90% grant &amp; 10% loan.</p> <p>Further as per the 6th NERPC meeting decision, a draft memorandum for taking up with Prime Minister Office (PMO) as approved by Chairman, NERPC was sent to other Chairperson, members of NERPC vide NERPC/Committee /2008/3136-42 dated 31.10.2008 for concurrence/ approval. The approval from Tripura was received vide D.O. letter No. 1047 dated 24.11.2008 addressed to Chairperson, NERPC. But the same is awaited from other States.</p>
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### **Deliberation of TCC**

Regarding item part 7.4, TCC discussed the issue in detail. TCC sought suggestion from CEA in this regard. Chief Engineer (GM), CEA desired that the NEEPCO may send all necessary details concerning the existing metering scheme for examination and opinion. Also, the TCC noted that clarification earlier sought from CERC in this regard was still awaited.

Regarding item part 7.5 TCC noted that the schemes were approved in the 6<sup>th</sup> NERPC meeting held on 8<sup>th</sup> August 2008 following detailed discussions in the Standing Committee on Power System Planning for NER at Guwahati on 25.6.2008. TCC further noted that in pursuance of decision in 6<sup>th</sup> NERPC meeting, matter regarding funding on 90% grant and 10% loan basis was taken up with MOP, GOI through CEA vide NERPC letter No. 101/1/NERPC/Committee/ 2008/3424-34 dated 22.10.2008.

In response to above CEA subsequently vide letter no. CEA/SP&PA / 81 /11/ 2008/1096-97 dated 25.11.08 have requested MOP to take up the proposal with the Planning Commission for allocation of funds so that Transmission schemes for NER, both intra-state & inter-state could be funded on the basis of 90% grant & 10% loan.

Further as per the 6th NERPC meeting decision, a draft memorandum for taking up with Prime Minister Office (PMO) as approved by Chairman, NERPC was sent to other Chairperson, members of NERPC vide NERPC/Committee /2008/3136-42 dated 31.10.2008 for concurrence/approval. The approval from Tripura was received vide D.O. letter No. 1047 dated 24.11.2008 addressed to Chairperson, NERPC. The same was awaited from other States.

**Deliberation of the Committee**

***The Committee noted as above. Chairperson, NERPC informed that the three Hon'ble Minister of Power, who were present in this meeting viz. Assam, Nagaland and Meghalaya will approve/sign today the Memorandum to be submitted to the Hon'ble Prime Minister of India regarding the above funding pattern and other important issues pertaining to this region and requested NERPC Secretariat that the Memorandum may be sent to all the Hon'ble Power Ministers of Power for approval and signing the same. After obtaining the necessary approval/signatures from all the Hon'ble Power Ministers of NER the Chairperson, NERPC will seek appointment with the Hon'ble Prime Minister of India for getting approval.***

	<b>NEEPCO</b>
<b>ITEM No. 7.6</b>	NEEPCO vide letter No. NEEPCO/ED/(O&M)/OPR-27/1308 dated 10.02.2009 have requested for appraisal to the Committee on following item in the TCC and NER Power Committee meetings:- <b>Plugging of breaches of Ranganadi Embankment near North Lakhimpur.</b>

	<p>NEEPCO in the appraisal note sent vide above letter dated 10.02.2009 have intimated that as Ranganadi Hydro Electric Power Plant is a run-of- river scheme with a very small pondage, the natural flood occurring in the upstream of the project cannot be absorbed by the small pondage/reservoir.</p> <p>NEEPCO further intimated that between 13.6.2008 &amp; 14.6.2008, due to heavy rainfall in catchment area of the above plant the water inflow increased to about five times ( from 428 cu.m/sec to 2120 cu.m/sec) and the huge water inflow spilled through six spillway gates meant for the purpose, thereby diverting water to the Dikrong River through tail race channel.</p> <p>NEEPCO have stated that in June 2008, a flash flood had occurred in the North Lakhimpur District of Assam due to torrential rainfall in the adjoining areas and the Ranganadi embankment near North Lakhimpur had got damaged at many places. NEEPCO have further indicated that a team of officers which was constituted by Govt. of Assam to ascertain reasons for occurrence of flash floods and suggest remedial measures submitted its report to Govt. of Assam.</p> <p>The details of report and the remedial measures suggested and included therein at the above appraisal note submitted by NEEPCO are at Annexure 7.6.</p>
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**Deliberation of TCC**

***TCC noted the appraisal note as above***

**Deliberation of the Committee**

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

<b>ITEM No. 7.1(ii)</b>	<p style="text-align: center;"><b>Nagaland</b></p> <p><b>Item 1</b> <b>Inclusion of</b></p> <p style="padding-left: 40px;">(a) 220 kV S/c on d/c – 400 ckt km, New Kohima-Kiphire                  (b) 220 kV S/c on d/c – 480 ckt km, New Kohima-Mon                  ( Naginimora)                  (c) 132 kV S/c– 130 ckt km, Wokha-Zunheboto-                  Mokochung</p> <p style="text-align: center;"><b>in Phase I modified NER transmission plan</b></p> <p><b>Item 2</b></p> <p><b>Deletion of lines :</b></p> <p style="padding-left: 40px;">(a) 132 kV 25 km New-Kohima-Pfutsero under phase-I                  (b) 132 kV 25 km Pfutsero -Meluri under phase-II</p>
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**Deliberation of TCC**

TCC agreed to include above intrastate lines and send the proposal to CEA for further needful.

**Deliberation of the Committee**

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

**Items 3, 4 and 5 of Nagaland under supplementary item 7.1 (ii) were also discussed.**

**Item 3 under 7,1 (ii) :**

**Upgradation of existing SLDC to full fledged SLDC (equipment) at Dimapur**

DOP, Nagaland requested that no adequate facility for real-time recording is available except single RTU monitor. It contended that full fledged SLDC equipment may be provided at Dimapur.

**Deliberation of TCC**

TCC agreed for the necessity of setting up full fledged SLDC of the States and further action recommended as discussed under item No. 5.5 above.

**Deliberation of the Committee**

***The Committee discussed the item in detail under item 5.5 and suggested further action by PGCIL in this regard.***

**Item 4 under 7,1 (ii) :**

**NTPC(ER) Power allocation to Nagaland**

**Deliberation of TCC**

TCC requested CEA to recommend in view of the assurance given to state for 25 MW additional allocation on round-the clock basis in lieu of abandoned 22.93 MW HFO based power station in Nagaland to the competent authority for favourable consideration. Chief Engineer (GM), CEA said that the matter will be suitably taken up with the competent authorities for consideration.

**Deliberation of the Committee**

***The Committee noted as above and requested CEA for early needful.***

**Item 5 under 7,1 (ii) :**

**Pasighat Proclamation.**

DOP Nagaland indicated that declaration of Pasighat Proclamation states that Power generated within the NE region shall first meet the needs of the Region then only shall be exported outside. Power Trading practices should be followed as per the above.

**Deliberation of TCC**

The matter concerning this item was discussed under points 5,6 of item 2.2 above.

**Deliberation of the Committee**

**The Committee noted.**

<b>ITEM NO. 8.0</b>	<b>Date &amp; Venue of the next meeting</b>
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It was proposed to hold the 8<sup>th</sup> NERPC meeting in May/June 2009. As per the rotation plan, Meghalaya State agreed to host the meeting. The exact date and venue would be intimated by the State in the due course.

**The meeting ended with vote of thanks to the Chair and the host State of Nagaland. Further, the vote of thanks was delivered by Shri Imli Ao, Superintending Engineer, Deptt. of Power, Govt. of Nagaland before close of the meeting.**

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**List of Participant in 7<sup>th</sup> TCC of NER Power Committee meeting**

<u>Name</u>	<u>Designation</u>	
<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
<b>Arunachal Pradesh</b>	1. A. Perme 2. J. Tato 3. B.S.Kaneri	Chief Engineer (Power) East Zone Chief Engineer (Power) West Zone Superintending Engineer
<b>Assam</b>	1. S.K. Handique 2. P.K.Hazarika 3. Smt. U Sharma 4. Sanjib Goswami 5. A.K.Borthakur 6. K. Goswami 7. Karuna Sharma 8. J.P.Choudury	MD, AEGCL GM, (Com- T) GM, AEGCL OSD to Power Minister, Govt. of Assam DGM Sr. Manager Sr. Manager Manager
<b>Manipur</b>	No Representatives	
<b>Meghalaya</b>	1. C. D. Saio 2. K. Marbaniang 3. W. Mawroh 4. A. Kharpran 5. R. Syiem 6. M. Marbaniang	Member (Technical) Chief Engineer (T&T) Addl. Chief Engineer (T&T) Superintending Engineer Superintending Engineer Superintending Engineer
<b>Mizoram</b>	1. H.L.Parthasarathy. 2. Ranjit Singh 3. V. Rodingliana	Chief Engineer (Power) Superintending Engineer Superintending Engineer
<b>Nagaland</b>	1. D. Basumatari 2. Imli Ao 3. G. Chishi	Chief Engineer (Power) Superintending Engineer (P&G) Superintending Engineer (P)
<b>Tripura</b>	1. M. Debbarma	Additional General Manager, TSECL
<b>NHPC</b>	1. M.S.Babu 2. M.L. Singh 3. M.D.Faruque	ED (Comml) Chief Engineer, (Loktak) Dy. Manager (M)
<b>NEEPCO</b>	1. U. Moral 2. P.K. Borah	Executive Director (Comml) General Manager (Commercial)
<b>NERLDC</b>	1. L. Kanungo 2. T.S.Singh 3. N.R.Paul 4. R. Sutradhar	General Manager DGM Chief Manager Chief Manager
<b>NERTS (Power Grid)</b>	1. N.S.Sodha 2. K.K.Chaudhury 3. Ajoy Patir 4. H.S.Kaushal	GM (LD&C Corporate Office) GM I/c (NERTS) AGM, NERTS CM (LD&C Corporate Office)

**List of Participant in 7<sup>th</sup> TCC of NER Power Committee meeting**

<u>Name</u>	<u>Designation</u>	
<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
<b>PTC</b>	No Representatives	
<b>NVVN</b>	1. A.K. Maggu 2. S.P.Dutta	AGM (BD) DGM (BD)
<b>CEA</b>	1. T. Chatterjee 2. Pankaj Batra	Chief Engineer (GM) Director (GM)
<b>OTPC</b>	1. Alok Mukherjee 2. Anil Sah	CEO DGM
<b>NTPC</b>	No Representatives	
<b>NETC</b>	1. Haziq Beg	Director
<b>IEDCL</b>	1. S.K. Mahanta 2. B. Biswal	Adviser & Vice President Sr. Manager
<b>NERPC</b>	1. Manjit Singh 2. A.K.Jain 3. B.Sarkhel 4. B. Lyngkhoi 5. Satbir Singh 6. Larinsanga 7. S.M.Aimol 8. G.Medhi	Member Secretary S.E (Comml) S.E (O) Assistant Secretary Executive Engineer Executive Engineer Asst. Executive Engineer Asst. Engineer

**List of Participant in 7<sup>th</sup> NER Power Committee Meeting**

<u>Name</u> S/Shri	<u>Designation</u>
1. Pradyut Bordoloi	Hon'ble Power Minister, Assam & Chairperson, NERPC
2. D.Y.Sema	Hon'ble Power Minister, Nagaland
3. Conrad Sangma	Hon'ble Power Minister, Meghalaya

<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
<b>Arunachal Pradesh</b>	1. A. Perme 2. J. Tato 3. B.S.Kaneri	Chief Engineer (Power) East Zone Chief Engineer (Power) West Zone Superintending Engineer
<b>Assam</b>	1. S.K. Handique 2. P.K.Hazarika 3. Smt. U Sharma 4. Sanjib Goswami 5. A.K.Borthakur 6. K. Goswami 7. Karuna Sharma 8. J.P.Choudury	MD, AEGCL GM, (Com- T) GM, AEGCL OSD to Power Minister, Govt. of Assam DGM Sr. Manager Sr. Manager Manager
<b>Manipur</b>	No Representatives	
<b>Meghalaya</b>	1. B.K.Dev Varma 2. C. D. Saio 3. K. Marbaniang 4. W. Mawroh 5. A. Kharpran 6. R. Syiem 7. M. Marbaniang	Principal Secretary (Power) Member (Technical), MeSEB Superintending Engineer, SLDC Addl. Chief Engineer (T&T) Superintending Engineer Superintending Engineer Superintending Engineer
<b>Mizoram</b>	1. P. Lianhrima 2. H.L.Parthasarathy. 3. Ranjit Singh 4. V. Rodingliana	Addl. Secretary (Power) Chief Engineer Superintending Engineer Superintending Engineer
<b>Nagaland</b>	1. D. Basumatary 2. Imli Ao 3. G. Chishi	Chief Engineer (Power) Superintending Engineer Executive Engineer
<b>Tripura</b>	1. Dipak Ganguly 2. M. Debbarma	CMD, TSECL AGM, TSECL
<b>NHPC</b>	1. M.S.Babu 2. M.L. Singh 3. M.D.Faruque	ED (O&M) Executive Director (Commercial) General Manager (TNR)
<b>NEEPCO</b>	1. U. Moral 2. P.K. Borah	Chairman & Managing Director Executive Director (O&M)
<b>NERLDC</b>	1. L. Kanungo 2. T.S.Singh 3. N.R.Paul 4. R. Sutradhar	General Manager DGM Chief Manager Chief Manager

