



भारत सरकार Government of India  
विद्युत मंत्रालय Ministry of Power  
उत्तर पूर्वी क्षेत्रीय विद्युत समिति



ISO 9001:2008

**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.

Ph. No 0364 -2520034  
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No. NERPC/AS/Committee/2011/2673-1725

Date: 16<sup>th</sup> August, 2011

To,

1. Chairman, TCC & Engineer-in-Chief, P&E Dept., Govt. of Mizoram, Aizawl-796001.
2. Managing Director, AEGCL, Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001
3. Managing Director, APGCL, Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001
4. Managing Director, DISCOM (CA), Bijuli Bhavan, Paltan Bazar, Guwahati - 781 001
5. Member (Tech.), ASEB, Bijulee Bhawan, Paltan Bazar, Guwahati -781001
6. Director (Distribution), Me. ECL, Lumjingshai, S.R. Road, Shillong-793001.
7. Director (Tech), TSECL, Agartala - 799 001
8. Executive Director, NERTS, PGCIL, Lower Nongrah, Lapalang, Shillong - 793 006.
9. Executive Director, (SO), NLDC, B/9, Qutub Institutional Area, Katwaria Sarai, New Delhi - 16
10. Executive Director (O&M), NHPC, NHPC Office Complex, Faridabad-121003.
11. Executive Director (O&M), NEEPCO Ltd., Lower New Colony, Shillong-793003.
12. Regional ED (East-II), NTPC, OLIC Building, Plot No. N-17/2, Nayapalli, Bhubaneswar - 751012
13. AGM, NERLDC, Lapalang, Shillong - 793006
14. CGM (LDC), SLDC Complex AEGCL, Kahelipara, Guwahati-781019.
15. Chief Engineer (E Zone), Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111
16. Chief Engineer (W Zone), Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111.
17. Chief Engineer (Power), Dept. of Power, Govt. of Manipur, Keishampat, Imphal-795001.
18. Chief Engineer (Power), Dept. of Power, Govt. of Nagaland, Kohima-797001.
19. Chief Engineer, Loktak HE Project, NHPC, Komkeirap, Manipur-795124.
20. Chief Engineer, AEGCL, Bijuli Bhawan, Paltan Bazar, Guwahati - 781 001
21. Chief Engineer, APGCL, Bijuli Bhawan, Paltan Bazar, Guwahati - 781 001
22. GM (O&M), NERTS, POWERGRID, Lapalang, Shillong - 793006
23. AGM, TSECL, Banamalipur, Agartala, Tripura - 799 001
24. SLDC, MeECL, Lumjingshai, S.R. Road, Shillong-793001
25. SLDC, Dept. of Power, Govt. of Arunachal Pradesh, Itanagar-791111
26. SLDC, Dept. of Power, Govt. of Nagaland, Dimapur
27. SLDC, Dept. of Power, Govt. of Manipur, Keishampat, Imphal-795001
28. SLDC, P&E Dept., Govt. of Mizoram, Aizawl-796001
29. SLDC, TSECL, Agartala - 799001
30. Sr. Vice President (DCS), PTC, NBCC Tower, 15 Bhikaji Cama Place, New Delhi -110066

**Sub: Minutes of Special TCC meeting of NERPC held at Agartala**

Please find enclosed herewith the Minutes of Special TCC meeting of NERPC held at “**PRAGNA BHAWAN**”, Agartala, Tripura on **5<sup>th</sup> August, 2011** for your kind and necessary action. The minutes is also available in the website of NERPC, [www.nerpc.nic.in](http://www.nerpc.nic.in)

भवदीय / Yours faithfully,

(P.D. Siwal)

सदस्य सचिव / Member Secretary I/C

Copy for kind information to:

1. Chairman, NERPC and Hon'ble Minister of Power, Govt. of Meghalaya, Shillong - 793 001
2. Hon'ble Chief Minister & Minister of Power, Govt. of A.P, Itanagar – 791 111
3. Hon'ble Chief Minister & Minister of Power, Govt. of Mizoram, Aizawl - 796 001
4. Hon'ble Minister of Power, Govt. of Assam, Dispur, Guwahati - 781 006
5. Hon'ble Minister of Power, Govt. of Manipur, Imphal - 795 001
6. Hon'ble Minister of Power, Govt. of Nagaland, Kohima – 797 001
7. Hon'ble Minister of Power, Govt. of Tripura, Agartala – 799 001
8. Member (GO&D), CEA, Sewa Bhavan, R.K. Puram, New Delhi - 110 066
9. Secretary (Power), Govt. of Arunachal Pradesh, Itanagar
10. Principal Secretary (Power), Govt. of Assam, Dispur, Guwahati – 781 001
11. Principal Secretary (Power), Govt. of Manipur, Imphal - 795001
12. Principal Secretary (Power), Govt. of Meghalaya, Shillong - 793001
13. Secretary (Power), Govt. of Mizoram, Aizawl - 796001
14. Principal Secretary (Power), Govt. of Nagaland, Kohima - 797001
15. Principal 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. CMD, TSECL, Agartala - 799001
19. CMD, NEEPCO Ltd., Lower New Colony, Shillong - 793 003
20. Director (Finance), 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 (Coml), NTPC Ltd. NTPC Bhawan, Scope Complex, Institutional Area, Lodhi Road – 110 003
23. C.E.O, NVVNL, 3<sup>rd</sup> Floor, Core – 5, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi –110003



P.D. Siwal)

सदस्य सचिव / Member Secretary I/C

## North Eastern Regional Power Committee

<b>Record Minutes of Special TCC Meeting of NERPC</b>
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**Date:** 05 /08/2011 – (Friday)

**Venue:** “Pragna Bhawan”, Agartala

A Special Technical Coordination sub-Committee meeting of NERPC was held on 05.08.2011 at Agartala under the aegis of OTPC to discuss some of the important technical issues concerning Pallatana GBPP and its associated transmission system along with other agenda items

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

Shri S. K. Dube Managing Director, OTPC welcomed the TCC members and participants of the meeting. He appreciated Govt. of Tripura for extending their support to host this meeting. He said that the important technical issues related to Pallatana as decided in the 11th NERPC meeting were included in the agenda notes to be discussed in detail by this special TCC meeting of NERPC. He wished all the participants a pleasant stay at Tripura.

He requested Shri B. K. Jain, Member Secretary, NERPC to take up the agenda items for discussion.

Member Secretary, NERPC welcomed all members and participants of the meeting. On behalf of NERPC, he thanked OTPC for having consented to arrange the meeting in Tripura and making excellent arrangements for the same. Thereafter, the agenda items were taken up for discussion.

ITEM NO. 1.0	Agenda items related to TSECL
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ITEM NO. 1.1	Peak and Off-peak NER Power dispatch Plan in 2012 - 13:
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Tripura informed that a good quantum of additional power would be available with the commission of Pallatana and Bongaigoan Power Plant during 2012 -13. There is wide variation between peak and off-peak demand in NER. Therefore, planning of dispatch schedule of surplus power and matching inter-state & inter-regional transmission corridor is needed. Tripura requested NERLDC & POWERGRID to highlights the surplus power dispatch planning.

### **Deliberation of TCC**

CMD, TSECL stated that though the commissioning of Pallatana Project maybe delayed by one/two months due to transportation problem of oversized dimension consignments; the main concern was the evacuation of power from the first unit of Pallatana as the associated transmission system may not be ready by that time. He requested CEA/NERLDC to carry out System Studies relating to power flow, fault level, back charging from Silchar to Pallatana, voltage issues, reactive compensation etc. He enquired that once Pallatana and Bongaigoan power projects are commissioned whether sufficient inter-regional transmission capacity exist to export such a huge quantum of power.

POWERGRID informed that the system studies have already been carried out by them for all the above conditions while planning the transmission system. AGM, NERLDC stated that the power generated by first module (363 MW) likely to be commissioned in Jan' 2012 can be evacuated provided the associated transmission lines/elements (details as per Item No. 3.2 of the agenda) are commissioned and beneficiaries take their allocated share and load considered in the system studies was available. He however added that the scenario will drastically change with the commissioning of the 2nd module along with high hydro generation during

monsoon and at that time completion of the transmission line up to Bongaigoan with the proposed anchoring at Byrnihat and Azara shall be required. Further he stated that during monsoon and with the commissioning of BTPS (NTPC) there will be surplus power in the region; hence evacuation of this power beyond Bongaigoan needs further deliberation. He also felt that the present transmission system has no redundancy/limited capacity and emphasized the necessity of early completion of the ongoing intra regional transmission system (400 KV lines charged at 132 KV).

Member Secretary asked the beneficiaries about the quantum of power that they can absorb from first module of Pallatana project.

Assam informed that up to 200 MW can be consumed if the Pallatana-Silchar line is connected up to Bongaigaon otherwise 80-90 MW can be consumed in South Assam. Additional power can be consumed if LILO of Panchgram- Dullavcherra line at Silchar is completed

Manipur stated that they are not in a position to consume even their present entitlement due to transmission constraints. Manipur requested POWERGRID to complete Silchar-Imphal line and the LILO work at Imphal. POWERGRID informed that they will prioritize the LILO work at the earliest.

Meghalaya stated that they can draw their entitled power from Badarpur Sub-station.

Mizoram stated that they can consume their entitled power.

After detail discussion the **TCC requested all the beneficiary states to give their realistic demand data for peak/off-peak, monsoon/non-monsoon, node wise to NERLDC for load flows studies which includes evacuation of Pallatana power; NERLDC will intimate the result in the next TCC/RPC meeting.**

ITEM NO. 1.2	<b>Drawal &amp; dispatch metering plan related to start-up power to be taken by OTPC:</b>
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Tripura informed that Pallatana will draw start-up power from Pallatana – Udaipur 132 KV transmission line. The metering arrangement including communication facility is to be arranged on time.

### **Deliberation of TCC**

**TCC recommended that this issue may be resolved bilaterally;** and SEMs will be installed by CTU as per CEA regulations.

Further Tripura informed that there is no extra bay for Pallatana-Udaipur line as it is terminating at Pallatana-Surajmaninagar bay. They requested OTPC to provide one more bay for this line. OTPC informed that there is no provision of extra bay in their switchyard.

**TCC advised Tripura to approach the Standing Committee of CEA for any modification in the scope of work at Pallatana switchyard.**

ITEM NO. 1.3	<b>Commissioning of ATS of Pallatana matching commercial operation of generating station:</b>
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Tripura informed that Pallatana CCGT – Unit #1 is likely to be commissioned by December, 2011. Matching this schedule, commissioning of 400 KV double circuit line from Pallatana – Bongaigoan via Silchar and Pallatana – Surjamaninagar is required.

### **Deliberation of TCC**

MD, NETC informed that for the expected date for completion of Pallatana-Silchar line is January, 2012 subject to forest clearances in Tripura and Assam. Further he stated that Silchar –Bongaigaon line will be completed by June, 2012 subject to forest clearance in Assam and Meghalaya.

**TCC requested Assam, Meghalaya and Tripura to pursue with forest department for getting clearances at the earliest.**

ITEM NO. 1.4	Start -up Power & required Power factor:
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Tripura informed that Pallatana will receive start -up power from Udaipur. TSECL wanted to know at what power factor Pallatana will receive power for start-up from TSECL.

**Deliberation of TCC**

**TCC recommended Tripura and OTPC to resolve the matter bilaterally.**

ITEM NO. 1.5	Drawal & dispatch of Pallatana power by TSECL:
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Tripura informed that they will receive/dispatch power to Pallatana as radial feeding. The size of the machine of TSECL being small, hence, power synchronization with Pallatana with Tripura generation may not be technically feasible. Therefore, technical study by POWERGRID and NERLDC is required for arranging radial grid operation.

**Deliberation of TCC**

**TCC suggested that Tripura may draw Pallatana power radially at Udaipur and Surjamaninagar.**

ITEM NO. 1.6	400 KV Double circuit bay Pallatana - OTPC:
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Tripura informed that arrangement of 400 KV double circuit bay at Pallatana, OTPC is very essential.

**Deliberation of TCC**

**TCC recommendation same as at item 1.2**

ITEM NO. 2.0	Agenda items related to POWERGRID
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<b>ITEM NO. 2.1</b>	<b>Security Assistance for maintenance of Transmission Lines in Insurgency prone area in Manipur:</b>
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During 10th TCC meeting of NERPC, POWERGRID requested to consider "Deemed Availability" status of 132 kV Jiribam - Aizwal line and 132 kV Jiribam - Loktak-II line in the event of delay in restoration owing to non-availability of security in Manipur portion. This was generally agreed upon by several constituents. However, on the suggestion of representative of Manipur, the committee decided to defer the item to the next TCC/RPC meeting.

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

Members may approve proposal of POWERGRID to accord "Deemed Available" status in respect of outages of 132 kV Jiribam - Aizwal and 132 kV Jiribam - Loktak -II lines in the event of delay in restoration, owing to non-availability of security in Manipur portion, OR ELSE the Outage Period of that element on this account be excluded from the Total Available Time of the corresponding month.

### **Deliberation of TCC**

The constituents have not agreed for deemed availability as proposed by POWERGRID.

**TCC requested Manipur Power Dept. to request state Govt. for providing security during restoration of the line after outage and during maintenance to POWERGRID personnel.**

ITEM NO. 2.2	Replacement of defective Insulator Strings in Transmission Lines under POWERGRID in NER:
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During 10th TCC meeting of NERPC, technical necessity of replacement of Insulator Strings was agreed upon by beneficiary States and it was also agreed to allow "Deemed Availability" status without commercial benefit to POWERGRID. However, POWERGRID indicated that this will have serious implications in their Books of A/C. It was then decided to defer the matter to next TCC/RPC meeting.

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

### **Deliberation of TCC**

GM, NERTS stated that POWERGRID shall replace insulators without charging the cost of insulator to constituents and only asking for deemed availability for the outage period for replacement of insulators and it will improve the availability of NER system. In Northern Region also deemed availability benefit for replacement of ceramic insulators with polymer insulators. MS stated that with the replacement of insulators the NER grid performance will improve and outage due to insulator failure will be reduced. **He requested constituents to firm up their views and convey their decision in the next TCC/RPC meeting.**

ITEM NO. 2.3	TRANSFORMATION CAPACITY AT 132 KV NIRJULI S/S :
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Presently, Nirjuli Substation is running with a combination of 10MVA & 16 MVA transformers which are not being operated in parallel due to mismatch of Percentage Impedance. The present loading of the transformers are as follows:

- i. 16 MVA- 13MW (Max.)

- ii. 10MVA- 7 MW (Max.)

**Total Maximum Load is 20 MW**

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

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

In view of above, DoP, Arunachal Pradesh was advised through Agenda of 11th TCC/ NERPC meeting to make necessary arrangement for diversion of load of their system from Nirjuli to some other Station or else NERPC may concur installation of one additional Transformer of 132/ 33kV, 10 MVA capacity at Nirjuli.

The above proposal of POWERGRID could not be discussed during 11th TCC / NERPC or in 62nd OCC meetings due to absence of representative from Arunachal Pradesh.

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

During the 63<sup>rd</sup> OCC meeting, it was advised that POWERGRID & Ar. Pradesh should resolve the matter bilaterally. Both agreed.

POWERGRID has now informed that installation of 30MVA transformer owned by DoP may not be a reliable solution on long-term basis as existing Transformer Bay equipment at Nirjuli has limitations from Rating point of view and isolated operation of the 30MVA and 10MVA Transformers is considered unreliable. This has also got Commercial implications at Regional level.

**Deliberation of TCC**

TCC deferred as no Ar. Pradesh representative was present.

<b>ITEM NO. 2.4</b>	<b>Procurement of Spare Transformers and Reactors in NER :</b>
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At present due to overloading of production capacity of Equipment-manufacturer, owing to fast expansion in Power Sector, the time frame for repair of Transformer and Reactor has become uncertain. Recently, one no. of 63MVAR, 420kV Line Reactor of Bongaigaon Circuit #1 failed at Balipara Sub Station. BHEL, manufacturer of the old Reactor, has indicated that because of Shop-floor Occupancy, it will not be possible for them to repair the defective 63MVA Reactor before 2014.

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

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

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

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

### **Deliberation of TCC**

TCC agreed to the proposal of POWERGRID for procurement of spare reactors and transformers as proposed and recommended for approval of RPC.

ITEM NO. 2.5	<b>Additional Requirement of OPGW Based Communication System for Central Sector Sub-stations and Generating Stations and other Large Generating Stations in NER :</b>
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This item was discussed during 11th TCC & 11th NERPC held at Kolkata. All the members appreciated the necessity of OPGW Based Communication System and agreed in principle to implement the Scheme. Further, it was also agreed that POWERGRID would prepare a Scheme in consultation with States incorporating their suggestions. Accordingly, the proposed Scheme (network) was circulated to all the constituents to obtain their comments / suggestions. The comments / suggestions of the constituents and response of POWERGRID are enclosed at **Annexure -2.5**.

The proposed network has been revised (copy enclosed at **Annexure-2.5**). The revised length of the OPGW network is 1901 Kms and the initial Estimated Cost (Supply, Installation and Testing & Commissioning, including Contingencies & Consultancy Charges) is Rs 56.36 Crores. This cost has also been mentioned in the DPR sent to NEC for getting the grant.

### **Deliberation of TCC**

The detail presentation given by POWERGRID on OPGW is at **Annexure- 2.5**.

Assam informed that they agree to the proposal if the funding was from DoNER/NEC.

Manipur, Mizoram, Meghalaya and Tripura agreed to the proposal irrespective of funding from DoNER/NEC or recovery through tariff of ULDC scheme as per CERC regulations. **Since Arunachal and Nagaland representatives were not present it was decided that proposal may be discussed again in next TCC/RPC meeting.**

ITEM NO. 3.0	Agenda items related to OTPC
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ITEM NO. 3.1	Presentation by OTPC on the Progress of Pallatana Project
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The presentation on Progress of Pallatana Project given by OTPC is at Annexure 3.1.

ITEM NO. 3.2	Readiness of evacuation system for Pallatana Project:
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OTPC informed that Unit #1 of Pallatana will be synchronized by December, 2011/January, 2012. In view of the above following lines should be ready before synchronization of Pallatana Unit #1 for evacuation of power.

- (a). 400 KV D/C Pallatana – Silchar line by NETC
- (b). 400 KV D/C Pallatana – Surjamaninagar line by PGCIL (charged at 132 KV)
- (c). 132 KV S/S at Surjamaninagar by TSECL
- (d). 2x200 MVA, 400/132 KV Silchar S/S by PGCIL
- (e). 132 KV D/C Silchar – Badarpur line by PGCIL
- (f). 132 KV D/C Silchar – Srikona line by PGCIL
- (g). LILO of Panchgram – Dullavcherra 132 S/C line at Silchar by PGCIL.

**Already discussed in item No. 1.1 as above.**

ITEM NO. 3.3	Programme for Back-charging of the Silchar S/S up to Pallatana 400 KV switchyard:
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**Already discussed in item No. 1.1 as above.**

ITEM NO. 3.4	Absorption of allocated power from Pallatana Unit #1:
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The beneficiaries may confirm absorption of their allocated power from Unit #1:

- (i). Assam : 120 MW

- (ii). Tripura : 98 MW
- (iii). Meghalaya : 39.5 MW
- (iv). Manipur : 21 MW
- (v). Mizoram : 11 MW
- (vi). Nagaland : 13.5 MW
- (vii). Ar. Pradesh : 11 MW

### **Deliberation in TCC**

Same as item No. 1.1 above.

<b>ITEM NO. 3.5</b>	<b>Readiness of evacuation system for Pallatana Unit #2:</b>
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The following transmission lines should be completed before commissioning of Pallatana Unit #2:

- (i). 400 KV D/C Silchar – Bongaigoan line by NETC
- (ii). 400 KV Azara S/S by Assam
- (iii). 400 KV Byrnihat S/S by Meghalaya
- (iv). 400/132 KV Surjamaninagar S/S by Tripura

### **Deliberation of TCC**

POWERGRID informed that land for construction of Byrnihat Sub-station was not allocated to them. Meghalaya informed that they will look into the matter and intimate accordingly. It was decided that the issue may be discussed again in next TCC/RPC meeting

<b>ITEM NO. 4.0</b>	<b>Agenda items related to NERLDC</b>
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<b>ITEM NO. 4.1</b>	<b>NERLDC fees and charges bills</b>
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NERLDC informed that CERC has issued (fees and charges of Regional Load

Despatch Centers and other related matters) Regulation, 2009 vide notification No.L-7/145(160)2008-CERC dated 18.9.2009 and order dated 18.03.2011 on approval of fees and charges of NERLDC for the control period 01.04.2009 to 31.03.2014.

As per the provisions of CERC Regulations, monthly bills for NERLDC fees and charges from October, 2010 have already been raised on the users. Meghalaya, Mizoram and Nagaland are yet to make any payment against above bills.

### Deliberation of TCC

**TCC recommended to defer the agenda to next TCC/RPC meeting.**

ITEM NO. 4.2	Road map for renovation/replacement of SLDCs control center
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The control centers of Assam, Meghalaya and Tripura were commission progressively between 2002 to 2003 and at present the maintenance aspect is taken care through AMC which is valid till June 2013. Due to the nature of the equipment, the obsolesce rate is very high and no support may be available from the vendor(s) in another 2-3 years time. Since establishment of a control center takes at least 2-3 years, hence a quick decision regarding renovation/replacement of existing control center equipment is required.

### Deliberation of TCC

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

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

ITEM NO. 4.3	WAMS/PMU Pilot project in NER
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Installation of PMUs and associated paraphernalia in NER system was approved in the 11th NERPC meeting. Consequent to that NERLDC have requested Assam, Meghalaya and Tripura for permission to install the PMUs and associated equipment in identified substations of the respective organization with a view to share the experience/data thereby enabling capacity building of the respective organization. So far NERLDC have not received any response from the above organizations.

In the meantime the specification and communication scheme are being finalized in consultation with LD&C and NERTS POWERGRID but in absence of confirmation from Assam, Meghalaya and Tripura the same could not be frozen.

### **Deliberation of TCC**

Assam, Meghalaya and Tripura agreed to intimate the name of the substations to install PMUs to NERLDC within 15 days.

**TCC noted as above.**

<b>ITEM NO. 4.4</b>	<b>Effective communication between field locations and NERLDC</b>
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During the 10th NERPC meeting, the issues of communication between existing field locations and Control center were discussed. Further the communication between upcoming generating stations of OTPC, NTPC and NERLDC was also discussed. Representatives of both the organizations have confirmed taking necessary action in this regard. However as far as NERLDC is concerned, action taken on the subject is not visible.

### **Deliberation of TCC**

AGM, NERLDC informed that integration of a new station in the SCADA database may take even more than 6 months if 2 or more vendors are involved and requested TCC of early settlement of the issue. CMD, TSECL also expressed the same view and suggested for immediate action. MD, OTPC informed that they have been in touch with CTU (LD&C wing of POWERGRID) and ensure that necessary action will be

taken for timely resolution of the issue.

After detail deliberation, TCC recommended OTPC to co-ordinate with NERLDC and POWERGRID to resolve the matter amongst them so that the data was available in time at NERLDC. NERLDC may coordinate with NTPC also in the similar manner

ITEM NO. 5.0	<b>Agenda items related to NERPC</b>
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ITEM NO. 5.1	<b>Corporate Training Programme from DOEACC Society Shillong Centre:</b>
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During the 10<sup>th</sup> NERPC meeting, it was agreed to nominate 2 engineers each from NERPC, Assam, Meghalaya and one each from NERLDC and Mizoram for the programme. The NERPC has approved that expenditure of Rs. 99270/- shall be met from PSDF.

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

### **Deliberation of TCC**

TCC recommended the proposal of NERPC for payment to DOEACC from Reactive Pool a/c of NERPC.

**TCC noted as above.**

ITEM NO. 5.2	<b>OTPC Membership:</b>
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OTPC has been a regular special invitee of NERPC during the last few years. OTPC is the executing agency for Pallatana GBPP in Tripura. It is therefore, proposed to include OTPC as a full members of NERPC.

### **Deliberation of TCC**

**TCC recommended that OTPC may be made regular member of NERPC.**

<b>ITEM NO. 6.0</b>	<b>Any other items:</b>
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<b>ITEM NO. 6.1</b>	<b>Status of Monarchak GBPP:</b>
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Assam informed that in the 7th NERPC meeting, the status and share allocation of Monarchak Gas Based Power Project was discussed. NEEPCO informed during the above meeting that NEEPCO authority decided to build the project on bilateral basis with Tripura and allocate the entire power to Tripura subject to final allocation by the Ministry of Power, Govt. of India. APDCL informed that NEEPCO had signed PPA with ASEB with commitment of allocation of Monarchak power to ASEB. After deliberation the 7th NERPC asked NEEPCO to re-consider its decision and impress upon the Ministry of Power, Govt. of India for allocation of Monarchak power to all the beneficiaries of NER who are interested to draw power.

In view of above, NEEPCO is requested to appraise the forum about the present status of above decision.

### **Deliberation of TCC**

**Deferred to next TCC/RPC as no representative from NEEPCO was present.**

<b>ITEM NO. 6.2</b>	<b>First System Operator Certification Examination:</b>
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NPTI vide letter dated 21.07.2011 informed that PSTI of National Power Training

Institute (NPTI) has been entrusted with the responsibility of conducting certification examination of System Operators. Accordingly, PSTI will be organizing first system operator certification examination on 6th November, 2011 at designated centre(s) of the country. The last date for registration by the Load Despatch Operators for the examination is 15th October, 2011.

### **Deliberation of TCC**

MS informed that those desiring to apply for the System Operator Certification examination may apply directly to PSTI Bangalore. Further, he informed that due to non finalization of "Disbursement Procedure" from PSDF by CERC the earlier proposal for "System Operator training" at PSTI by funding from PSDF approved in the last RPC meeting could not materialize.

**TCC noted as above.**

<b>ITEM NO. 6.3</b>	<b>Signing of ISTS connection agreement:</b>
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All the Generators and STUs getting connected to ISTS have to sign Connection Agreement with CTU, as per IEGC Regulation. The application form for application is available at [www.powergridindia.com](http://www.powergridindia.com).

### **Deliberation of TCC**

**TCC noted as above**

## **ANNEXURE - I**

### **List of Participant in Special TCC Meeting**

<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
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<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
<b>Arunachal Pradesh</b>	<b>No representative</b>	
<b>Assam</b>	<ol style="list-style-type: none"> <li>1. P. K. Dutta</li> <li>2. G. K. Das</li> <li>3. B. Paul</li> <li>4. R.L Barua</li> <li>5. M. K. Adhikary</li> <li>6. K. Goswami</li> </ol>	CGM, (Comml), AEGCL CGM, (LD&C), AEGCL CGM, T&T, AEGCL GM, AEGCL DGM, APDCL AGM (Comml), APDCL
<b>Manipur</b>	<ol style="list-style-type: none"> <li>1. L. Priyokumar</li> <li>2. M. Jadumani Singh</li> </ol>	Addl. Chief Engineer (P) Superintending Engineer (Elect)
<b>Meghalaya</b>	<ol style="list-style-type: none"> <li>1. A. Kharpran</li> <li>2. S.S. Kharmih</li> </ol>	Superintending Engineer, SLDC Executive Engineer (SM)
<b>Mizoram</b>	<ol style="list-style-type: none"> <li>1. C. Lianlunga.</li> <li>2. Lalduhzuala Sailo</li> </ol>	Superintending Engineer, SLDC Superintending Engineer (Com)
<b>Nagaland</b>	<b>No representative</b>	
<b>Tripura</b>	<ol style="list-style-type: none"> <li>1. N.S. Chakravorty</li> <li>2. K. Chakrabarty</li> <li>3. M.K. Chakraborty</li> <li>4. M. Debbarma</li> <li>5. R. Debbarma</li> <li>6. R. Das</li> <li>7. Sampa Sen</li> <li>8. D, Pal</li> </ol>	CMD, TSECL Director (T) GM (T) AGM (C&SO) AGM (T) DGM (SOD) Sr. Mgr. (SLDC) Sr. Mgr. (Coml)
<b>NHPC</b>	<b>No representative</b>	
<b>NEEPCO</b>	<b>No representative</b>	
<b>NERLDC</b>	<ol style="list-style-type: none"> <li>1. T. S. Singh</li> </ol>	Addl. General Manager

<b>Organisation</b>	<b>Name S/Shri</b>	<b>Designation</b>
<b>POWERGRID</b>	<ol style="list-style-type: none"> <li>1. Arun Kumar</li> <li>2. A. Patir</li> <li>3. Avinash. M. Pavgi</li> <li>4. Kamal Sarkar</li> <li>5. A.S. Kushwaha</li> <li>6. Kamal Bhuyan</li> <li>7. P.G. Singh</li> <li>8. H.S. Kaushal</li> <li>9. Rakesh Verma</li> </ol>	Executive Director General Manager Addl. General Manager (Engg) Addl. General Manager (OS) Addl. General Manager (LD&C) Addl. General Manager Addl. General Manager DGM (LD&C Corporate Office) Chief Manager
<b>NTPC</b>	<b>No representative</b>	
<b>NVVN</b>	<b>No representative</b>	
<b>CEA</b>	<ol style="list-style-type: none"> <li>1. D.K. Saxena</li> </ol>	Chief Engineer (PSPM)
<b>OTPC</b>	<ol style="list-style-type: none"> <li>1. S. K. Dube</li> <li>2. S.C. Dhingra</li> <li>3. Shree Narayan</li> <li>4. N. Srinivas</li> <li>5. S. Datta</li> </ol>	Managing Director Sr. Advisor DGM (C&M) DGM (P) Sr. Mgr. (O&M)
<b>NETC</b>	<ol style="list-style-type: none"> <li>1. Umesh Chandra</li> </ol>	Managing Director
<b>Special Invitee</b>	<b>No representative</b>	
<b>NERPC</b>	<ol style="list-style-type: none"> <li>1. B. K. Jain</li> <li>2. B. Lyngkhoi</li> <li>3. D. K. Bauri</li> </ol>	Member Secretary Assistant Secretary Executive Engineer