

North Eastern Regional Power Committee

Agenda Notes for 12th TCC and 12th North Eastern Regional Power Committee Meetings

Date : 14/11/2011 – TCC

Venue: “M.K. Hotel,” Amritsar

15/11/2011 – NER Power Committee

“M.K. Hotel,” Amritsar

ITEM NO. 1	CONFIRMATION OF THE MINUTES OF 11TH TCC & 11TH NERPC MEETINGS HELD ON 05.05.2011 & 06.05.2011 AT KOLKATA AND SPECIAL TCC MEETING HELD ON 05.08.2011 AT TRIPURA.
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The minutes of the 11th TCC and 11th North Eastern Regional Power Committee (NER Power Committee) meetings held on 05.05.2011 & 06.05.2011 respectively at Kolkata were circulated vide letter no. NERPC/AS/Committee/2011/1064-1134 dated 23.05.2011. The minutes of the Special TCC meeting held on 05.08.2011 at Tripura was circulated vide letter no. NERPC/AS/Committee/2011/2673-725 dated 16.08.2011.

No comments or observations were received from any constituents, the TCC and NER Power Committee may confirm the minutes of above meetings.

PART: A	“FOLLOW – UP” ON DECISIONS IN THE PREVIOUS (11TH) NERPC MEETING.
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Status on ‘follow up’ of the decisions of the 11th NERPC meeting is as given below:

ITEM NO. A.1	SPECIAL PROTECTION SCHEME FOR NORTH EASTERN REGION:
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During the 61st OCC meeting, POWERGRID informed that they have visited the site on 14.03.2011 and they have tested the existing PLCC panels at Imphal and Loktak. During testing both end panels were found defective and since the panels were obsolete there is no support for spares and service. Thus, with the existing PLCC panels, the proposed Special Protection Scheme cannot be implemented. Further, he informed that LOA for supply of new panels has already been placed and accordingly, the SPS can be made operational by December, 2011 as intimated earlier.

POWERGRID may kindly intimate the current status.

Agenda notes for 12th TCC & 12th NERPC meetings to be held on 14th & 15th November, 2011 at Amritsar

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

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

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

The Sub-committee advised that POWERGRID and NEEPCO should sign the MOU by October, 2011. NEEPCO / POWERGRID may inform the current status.

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

Manipur may indicate the current status.

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

The Sub-Committee may indicate the current status.

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

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

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

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

Manipur & Tripura may kindly intimate the current status.

ITEM NO. A.6	RECEIVABLES OF ASSAM FROM NER STATES:
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During the 10th NERPC meeting Assam stated that in the lean period of 1992 to 1998 NER states did over drawl of power from NER grid. ASEB is to receive following outstanding amounts from NER states on account of drawl of ER/NTPC energy out of deemed drawl of ASEB from ER/NTPC.

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

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

Nagaland may kindly intimate the current status.

ITEM NO. A.7	INSTALLATION OF HARMONIC FILTERS:
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During the 9th NERPC meeting, POWERGRID informed that CPRI has already carried out measurement of harmonics in the portion of NER Grid involving RHEP, Nirjuli SS and Balipara SS under different condition including isolation of ER-NER Grid. As per the report the Total Demand Distortion (TDD) found to be exceeding the limits in following feeders and Central Power Research Institute (CPRI) recommends for installation of suitable filters—

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

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

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

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

POWERGRID may kindly intimate the current status.

ITEM NO. A.8	PEAK & OFF-PEAK NER Power Dispatch Plan in 2012 - 13:
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During the Special TCC meeting held on 5th August, 2011, the TCC requested all the beneficiary states to give their realistic demand data for peak/off-peak, monsoon/non-monsoon, node wise to NERLDC for load flows studies which includes evacuation of Pallatana power; NERLDC will intimate the result in the next TCC/RPC meeting.

NERLDC may kindly intimate the current status.

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

Assam, Mizoram and Nagaland may submit their action plan to liquidate the outstanding dues.

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

Meghalaya : ` 39.7 lacs
 Manipur : ` 21.86 lacs
 Ar. Pradesh : ` 22.2 lacs

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

Constituents are requested to liquidate the dues at the earliest.

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

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

It is requested to open LC as per CERC stipulation.

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

POWERGRID, NERTS and NTPC may furnish the latest position in respect of their Srikona S/S and BTPS Power Station.

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

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

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

POWERGRID again requests the members to consider the issue as agreed in-principle during 10th TCC & NERPC Meetings.

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

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

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

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

Members may deliberate and approve the proposal.

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

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

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

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

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

(in ₹ Crores)				
SN	Beneficiary	Outstanding amount (other than PoC)	Outstanding against PoC bills	Total Outstanding
1	Ar. Pradesh	3.85	4.61	8.47
2	Assam	27.31	12.69	40.00
3	Manipur	8.65	4.25	12.90
4	MeECL(Meghalaya)	10.21	3.51	13.72
5	Mizoram	1.39	2.52	3.91
6	Nagaland	2.04	-0.19	1.85
7	Tripura	3.47	0	3.47
	SUM TOTAL	56.92	27.39	84.31

All the constituents are requested to liquidate the outstanding dues as committed.

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

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

TPA – Tri Partite Agreement

All the constituents are requested to indicate the present status of opening of their LCs.

Agenda notes for 12th TCC & 12th NERPC meetings to be held on 14th & 15th November, 2011 at Amritsar

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

Sr. No.	Name of the Line	Ownership	Status as given on 66 th OCC meeting.
1	400kV Balipara - Ranganadi I&II	RHEP, NEEPCO	Completed
2	220kV Kopili - Misa # I & II	KHEP, NEEPCO	NEEPCO informed that R&M Scheme has been approved and installation will be carried out soon.
3	220kV Salakati – BTPS - I & II	BTPS, AEGCL	Assam informed that the work is in progress and the same will be completed by Dec, 11.
4	220kV Balipara - Samaguri	Samaguri, AEGCL	Assam informed that work at Samaguri will take at least one year.
5*	132kV Aizawl - Zemabawk	Zemabawk, P&E, Mizoram	Representative from Mizoram informed that they will look into the matter & status would be intimated in next OCC meeting.
6	132kV Khandong - Haflong	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement by Sept, 2011.
7	132kV Khandong - Kopili	KHEP, NEEPCO	NEEPCO will procure the CBs under R&M Scheme and implement by Sept, 2011
8	132kV Loktak - Jiribam # II	Loktak, NHPC	Materials have been dispatched in 2 lots from factory and work will be completed by Nov, 2011.

9	132kV Ranganadi- Ziro	RHEP, NEEPCO	<p>NEEPCO insisted that breakers are only 6 years old and it would not be viable to replace the breakers.</p> <p>MS, NERPC stated that SPAR is very important for minimum interruption and NEEPCO should find means to replace the breakers as agreed in the 10th RPC meeting. He asked Arunachal Pradesh to explore the possibility of utilizing the breaker of NEEPCO in their system as the same could be procured by them at a depreciated cost.</p> <p>EE, Ar. Pradesh informed that finalization of the above proposal is under progress and the same will be intimated.</p>
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*Meanwhile Dept. of Power, Govt. of Mizoram vide letter dated 19.09.2011 has intimated that in view of short distance of the above line which is only 7 KM and the non-availability of space at 132 KV S/S Zemabawk and also after discussion with POWERGRID it was felt that installation of SPAR on the above line may not be feasible at this juncture. Mizoram requested that the issue may be dropped.

Committee may discuss.

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

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

Mizoram : Advance payment would be released after getting fund.

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

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

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

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

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

Committee may like to discuss.

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

The Sub-committee decided to refer the matter to TCC/NERPC meetings. Committee may like to discuss.

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

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

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

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

The Sub-committee decided to refer the matter to TCC/NERPC meetings. Committee may like to discuss.

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

Committee may like to discuss.

ITEM NO. B.6	STATUS OF MONARCHAK GBPP
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During the Special TCC meeting held at Agartala, Assam informed that in the 7th NERPC meeting, the status and share allocation of Monarchak Gas Based Power Project was discussed. NEEPCO informed during the above meeting that NEEPCO authority decided to build the project on bilateral basis with Tripura and allocate the entire power to Tripura subject to final allocation by the Ministry of Power, Govt. of India. APDCL informed that NEEPCO had signed PPA with ASEB with commitment of allocation of Monarchak power to ASEB. After deliberation in the 7th NERPC meeting, NEEPCO was requested to re-consider its decision and impress upon the Ministry of Power, Govt. of India for allocation of Monarchak power to all the beneficiaries of NER who are interested to draw power.

TCC recommended to defer to next TCC/RPC as no representative from NEEPCO was present.

Committee may like to discuss.

ITEM NO. B.7	PALLATANA EVACUATION SYSTEM - TSECL
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i). Tripura informed that 400 KV Transmission Line from Pallatana to Silchar and 400 KV sub-station at Silchar have been planned to function as power evacuation arrangement from 400 KV to 132 KV network for providing supply to connecting state utilities. But in order to ensure reliable and sustainable full dispatch, up gradation of linked transmission lines including connecting transmission lines between Silchar 400 KV substation and Kopili 220 KV S/S is required.

Concerned state utility and POWERGRID may intimate action plan if any.

ii). 400 KV Transmission Line from Silchar to Bongaigoan:

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

OTPC, NETC and POWERGRID may give detail action plan.

iii). 400 KV Surjamaninagar Sub-station:

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

OTPC and POWERGRID may take suitable action accordingly.

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

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

POWERGRID may take up necessary maintenance/strengthening of jumpers etc. for better reliability.

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

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

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

Committee may like to discuss.

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

Committee may like to discuss.

ITEM NO. B.10	SHARE HOLDER AGREEMENT (SHA) OF NORTH EAST TRANSMISSION COMPANY (NETC) NOT SIGNED BY NAGALAND - NETC
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The 400kV D/C Palatana - Bongaigaon transmission system is being developed by North East Transmission Company (NETC). The Share holders Agreement of NETC was signed by all the NER Constituents, except Nagaland. During the 11th NERPC meeting Nagaland has stated that the matter has been taken up with State Govt. and the SHA would be signed by September, 2011. As no communication in this regard has been received it is presumed that Govt. of Nagaland is not interested.

Nagaland may kindly intimate the current status.

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

` Crore				
SN	State	Required up to 30.09.2011	Received as on 28.09.2011	Deficit
1	Govt. of Tripura	21.03	10.41	10.61
2	Govt. of Mizoram	21.3	10.51	10.52
3	Govt. of Meghalaya	10.51	7.42	3.08
4	AEGCL	21.33	15	12.33

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

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

Committee may like to discuss.

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

Committee may like to discuss.

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

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

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

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

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

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

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

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

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

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

Committee may like to discuss.

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

16 MVA (13MW Max.)

10MVA (7 MW Max.)

Total maximum load is 20MW.

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

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

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

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

POWERGRID has informed that installation of 30MVA transformer owned by 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.

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

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

Committee may like to discuss.

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

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

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

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

Members may deliberate and approve the proposal.

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

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

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

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

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

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

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

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

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

The Committee may like to discuss.

ITEM NO. B.18	Power System Development Fund (PSDF) - NERPC
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During the 9th NERPC Meetings held on 11th & 12th August, 2010 “Hon’ble Power Ministers of North Eastern States unanimously decided to approach Chairman, CERC in the matter and send resolution to CERC to retain control of surplus funds available in North Eastern Reactive Pool Account & UI Account with NERPC to be utilized for the benefit of North Eastern Region”.

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

The Committee may like to discuss.

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

Agenda notes for 12th TCC & 12th NERPC meetings to be held on 14th & 15th November, 2011 at Amritsar

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

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

The Committee may like to discuss.

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

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

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

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

The Committee may like to discuss.

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

For kind information to the TCC members.

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

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

For kind information to the TCC members.

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

Committee may like to note.

ITEM NO. C.4	National Power Committee (NPC) Chairmanship - NERPC
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The meeting regarding Formation of Forum of Regional Power Committee (RPCs) was held on 26.09.2011 at “CEA Conference Hall”, CEA, New Delhi.

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

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

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

Composition of NPC:

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

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

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

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

The draft of formation of NPC is enclosed at Annexure - C.5 for observation/comments by the constituents if any.

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

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

Note: Information as per CEA.

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

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

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

Committee may like to approve.

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

Committee may like to approve.

Agenda notes for 12th TCC & 12th NERPC meetings to be held on 14th & 15th November, 2011 at Amritsar

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

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

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

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

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

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

Reactor:

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

Transformers:

- (a) One no. of 100MVA, 220/132kV (3-Phase)
 (b) One no. of 16MVA, 132/33kV (3-Phase)
 (c) One no. of 5MVA, 132/33kV (1-Phase)

RPC May approve the proposal.

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

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

Committee may concur the proposal.

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

i) Study tour to Australia – New Zealand:

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

ii) Study tour to Europe:

S.N.	Particulars	Duration
1	Presentation on some new technology (London)	1 day
2	Visit to AREVA factory (London)	1 day
3	Travel to Denmark/Netherland (optional)	1 day

4	Visit to Control Centre (Denmark/Netherland)	1 day
5	Travel to Paris	1 day
6	Presentation on Telecom System in Power Sector at AREVA Centre of excellence (Paris)	1 day
Total No. of days		6 days

iii) NER Study Courses:

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

Committee may concur the proposal.

PART: E	ANY OTHER ITEMS:
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With permission of the Chair.

DATE & VENUE OF THE NEXT MEETING

The next meeting of TCC & NERPC is proposed to be held in January/February, 2012. Exact dates and venue shall be intimated later. As per roster Trader (PTC/NVVN) will be the host for the 13th TCC/RPC Meetings.

ADDITIONAL AGENDA ITEMS:

ITEM NO. E.1	Under Generation of AGBPP, Kathalguri of NEEPCO - Assam:
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Assam informed that it has been observed that AGBPP, Kathalguri with its installed capacity of 291 MW has not been able to generate to its optimum level even in peak load hours. In absence of adequate generation from other hydro stations due to less water availability, the AGBPP should have been able to give necessary support to beneficiary states during the need of hours. During January, 2011 the station could generate almost to its full capacity for a short while on a particular date and on that basis the CERC also has approved tariff on the basis of the installed capacity of the station, against a petition filed by APDCL demanding pro-rata reduction of AFC on the basis of capacity utilization. After that the generation status of the project is again back to the earlier status of generation of around 200 – 220 MW. NEEPCO is requested to appraise the forum about the real causes which affects AGBPP generation at the moment and also from when the beneficiaries can expect full optimum generation from the project.

Committee may like to discuss.

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

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

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

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

Committee may like to discuss.

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

Committee may like to discuss.
