



सत्यमेव जयते

भारत सरकार Government of India

शक्ति विभाग Ministry of Power

उत्तर-पूर्व क्षेत्रीय शक्ति आयोग

North Eastern Regional Power Committee

उत्तर-पूर्व क्षेत्रीय शक्ति आयोग, अरुणाचल प्रदेश शासन, इटानगर

Meghalaya State Housing Finance Co-Operative Society Ltd.

Building

अरुणाचल प्रदेश शासन - 793003

Nongrim Hills, Shillong - 793003.



ISO 9001:2008

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No. NERPC/AS/OCC/2011/4199-231

Date: 18th January, 2012

To,

1. Managing Director, AEGCL, Bijuli Bhawan, Guwahati - 781 001
2. Director (Distribution), Me. ECL, Lumjingshai, Short Round Road, Shillong - 793 001
3. CGM, (LDC), SLDC Complex, AEGCL, Kahelipara, Guwahati-781 019
4. Chief Engineer (WE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
5. Chief Engineer (EE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
6. Engineer-in-Chief (P&E), Department of Power, Govt. of Mizoram, Aizawl - 796 001
7. Chief Engineer (P), Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
8. Chief Engineer (P), Department of Power, Govt. of Nagaland, Kohima - 797 001
9. General Manager, TSECL, Agartala - 799 001
10. ED (O&M), NERTS, PGCIL, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
11. ED (O&M), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
12. ED (Commercial), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
13. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
14. ED (Commercial), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
15. AGM, NERLDC, Dongtiah-Lower Nongrah, Lapalang, Shillong -793 006
16. Member Secretary, ERPC, 14 Golf Club Road, Tollygunge, Kolkata-700033
17. Chief Engineer, GM Division, Central Electricity Authority, New Delhi - 110066

Sub: Minutes of the 69th OCC Meeting held on 10th January, 2012 at Guwahati.

The Minutes of the 69th OCC Meeting of NERPC held on 10.01.2012 at "Hotel Grand Starline", Guwahati is enclosed for favour of kind information and necessary action please.

The minutes is also available on the website of NERPC www.nerpc.nic.in

Encl: As above

आपका/ Yours faithfully,

बी. लिंगखोई
18/1/2012

बी. लिंगखोई / B. Lyngkhoi

उप सचिव / Assistant Secretary

Copy to:

1. Chief Engineer, AEGCL, Bijuli Bhavan, Guwahati - 781001
2. Chief Engineer, APGCL, Bijuli Bhavan, Guwahati - 781001
3. MD, CA DISCOM, Bijuli Bhavan, Guwahati - 781001
4. MD, UA DISCOM, Bijuli Bhavan, Guwahati - 781001
5. MD, LA DISCOM, Bijuli Bhavan, Guwahati - 781001
6. S.E. (Trans. & Dist), MeSEB Lumjingshai, Short Round Road, Shillong - 793 001
7. Head of SLDC, MeSEB, Lumjingshai, Short Round Road, Shillong - 793 001
8. Head of SLDC, Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
9. A.C.E. (Gen & Trans), Department of Power, Govt. of Nagaland, Kohima - 797 001
10. Head of SLDC, Department of Power, Dimapur, Nagaland
11. A.C.E. (Power-I), Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
12. Head of SLDC, Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
13. S.E. (Trans & Dist), Department of Power, Govt. of Mizoram, Aizawl - 796 001
14. Head of SLDC, Department of Power, Govt. of Mizoram, Aizawl - 796 001
15. Head of SLDC, TSECL, Agartala - 799 001
16. Chief Engineer(Elect), Loktak HEP, Vidyut Vihar, Kom Keirap, Manipur- 795124

North Eastern Regional Power Committee

MINUTES OF THE 69th

OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

Date : 10/01/2012 (Tuesday)

Time : 10:30 hrs

Venue : "Hotel Grand Starline," Guwahati.

The List of Participants in the 69th OCC Meeting is attached at **Annexure - I**

Shri Bar Takum, Superintending Engineer, Dept. of Power, Govt. of Ar. Pradesh welcomed all the participants to the 69th OCC meeting. He thanked NERPC for giving them the opportunity to host the 69th OCC meeting at Guwahati. Further, he requested all the members to actively participate in the meeting for fruitful outcome.

Shri P.D. Siwal, Member Secretary I/C, NERPC also welcomed all the participants to the 69th OCC and thanked Dept. of Power, Govt. of Arunachal Pradesh for hosting the meeting at Guwahati. He also mentioned that during the 68th OCC meeting, the Sub-committee had desired to hold the meeting in Arunachal Pradesh as many pending issues pertaining to them could not be resolved due to non-participation by them. He hoped that during this meeting these issues could be resolved. He briefed about the power scenario during the month of December, 2011 and stated that all the grid parameters are within the IEGC band. Further, he mentioned that with the onset of lean season, all the constituents should plan their load management judiciously for the benefit of their states and the grid. He also stated that there was no major grid disturbance during the month of December, 2011.

Thereafter, Member Secretary I/C requested Shri B. Lyngkhoi, Assistant Secretary, NERPC to take up the agenda items for discussion.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 68th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

AS, NERPC mentioned that the minutes of the 68th meeting of the OCC held 8th December, 2011 at Guwahati were circulated vide letter No. NERPC/AS/OCC/2011/3702 - 34 dated 19th December, 2011.

NEEPCO vide their letter No: NEEPCO/ED (O&M)/OPR-13/937 dated 21.12.2011 wanted Item No. C.4 to be modified as below:

Item No: C.4- Minutes recorded: During the 12th TCC/NERPC meetings held on 14th & 15th November, 2011, NEEPCO agreed to resolve the matter in consultation with POWERGRID within a week's time. CM, POWERGRID requested NEEPCO to intimate a suitable date so that the joint visit can be made at Khandong and to finalize the BOQ of materials for early execution of the job.

Sr. Manager, NEEPCO stated that they would intimate the date at the earliest to POWERGRID.

Minutes to be recorded: "Sr. Manager, NEEPCO informed that discussion with POWERGRID would be held in the succeeding week.

With the above amendment the minutes of 68th OCC meeting was confirmed as no other comments were received from any of the constituents.

AS, NERPC requested NERLDC to give their presentation about the grid performance during the month of December, 2011.

ITEMS FOR DISCUSSION

B.1 OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING Dec', 11

The grid performance parameters for the month of December, 2011 as presented by NERLDC during the meeting are given below:

- i) **Average frequency** during December, 2011 was 49.71 Hz, as compared to 49.74 Hz in November, 2011.

- ii) **Minimum frequency** in December, 2011 was 48.82 Hz (05.12.11 at 20:08 hrs) as compared to 48.75 Hz recorded in the previous month.
- iii) **Maximum frequency** was 50.42 Hz (03.12.11 at 18:05 hrs), as compared to 50.58 Hz in November, 2011.
- iv) **System frequency** remained within permissible range of 49.5 Hz to 50.2 Hz for 81.65 % of the time, below 49.5 Hz for 17.72 % and above 50.2 Hz for 0.62% of the time as compared to 87.85 %, 11.53% and 0.62 % of the time respectively in the previous month.
- v) **Regional peak** demand in December, 2011 was 1767 MW as compared to 1745 MW in November, 2011 an increase of 1.3 % over the previous month.
- vi) **Energy requirement** was 890.20 MUs in December, 2011 compared to 878.77 MUs in November, 2011 an increase of 1.25 % over the previous month.
- vii) **Regional energy availability** in December, 2011 was 800.14 MUs compared to 811.56 MUs in the previous month, a decrease of 1.41 % over the previous month.
- viii) **Rise in demand met** was recorded in Nagaland (0.96%) & Manipur (0.88%), over the previous month.
- ix) **Drop in demand met** was recorded in Tripura (18.23%), Mizoram (10.26%), Ar. Pradesh (9.93%), Meghalaya (3.09%) & Assam (2.87%) over the previous month viz. November, 2011.
- x) **Over Voltages** at 400 kV substations were observed at Bongaigaon, Misa and Balipara where maximum voltage observed were 427 kV, 431 kV and 426 kV respectively.
- xi) **No over Voltages** were observed at 220 kV S/S and 132 kV S/S.
- xii) **No Under Voltages** were observed at 400 kV S/S, 220 kV S/S & 132 kV S/S.
- xiii) **Regional Generation & Inter-regional Exchanges:** During the month of December, 2011 compared to November, 2011 are given below:

SN	Parameter	December, 2011	November, 2011
REGIONAL GENERATION & INTER - REGIONAL EXCHANGES (in MU)			
1	Total Generation in NER (Gross)	587.341	631.715
2	Total Central Sector Generation in NER (Gross)	341.147	385.873
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	0.44	0.00
	(b) ER - NER	246.42	201.91
	(c) Net Import	245.98	201.91

The Sub-committee noted as above.

FOLLOW UP ACTION

C. 1 Deputation of site engineer by PGCIL at Kopili for SCADA system:

During the 68th OCC meeting, CM, POWERGRID informed that ABB engineers have already visited the site and SCADA system at Kopili has been restored.

NERPC enquired from NEEPCO whether the SCADA system at Kopili has been restored as stated by POWERGRID. Sr. Manager, NEEPCO informed that the SCADA system at Kopili has been restored.

The sub-Committee noted as above.

C. 2 Installation of new Under Frequency Relays (UFRs) in NER constituent systems and constituent-wise load relief quantum as recommended by the sub-committee:

The status as given in 69th meeting for completion of UFR installation is as below:

Manipur: Feb, 2012. (status could not be updated) as no representative from Manipur was present

Tripura: Completed

NERPC stated that they have compiled the list of UFR installed in NER. Tripura has intimated that they have completed the installation in the month of December, 2011. NERPC requested Tripura to furnish the UFR location installed for compiling the data at the earliest. Tripura agreed.

The sub-Committee noted as above.

C. 3 Bus transfer facility at 132 KV Gohpur (AEGCL) Sub-station:

CM, POWERGRID stated that they have already referred the matter to their SEF Department to prepare the feasibility report for construction of one more 132 KV circuit on the existing 132 KV S/C from Ranganadi - Nirjuli.

Member Secretary I/C requested POWERGRID to carry out the feasibility report at the earliest so that the same can be discussed in the next TCC/RPC meeting. POWERGRID agreed.

The Sub-committee noted as above.

C. 4 Non-utilization of transfer facility at Khandong HEP:

During the 12th TCC/NERPC meetings held on 14th & 15th November, 2011, NEEPCO agreed to resolve the matter in consultation with POWERGRID within a week's time. Accordingly, during 68th OCC Meeting CM, POWERGRID requested NEEPCO to intimate a suitable date so that the joint visit can be made at Khandong and to finalize the BOQ of materials for early execution of the job.

Sr. Manager stated that discussion with POWERGRID was held during the month of December, 2011. Further, he stated that load flow study has to be carried out in the context of upcoming projects viz. Pallatana before finalizing the replacement of existing bus conductor with higher size to enhance the capacity at Khandong HEP. Further, he stated that if the replacement is required the job will be done as per their priority list in which generation issues are on priority compared to the switchyard issues.

AGM, NERLDC re-iterated the decision taken during the 12th NERPC meeting, wherein it was agreed by both NEEPCO & POWERGRID to resolved the matter of up-gradation to higher conductor within one week's time, and hence both the parties should abide by this decision and more over it is necessary for grid reliability in the 132 KV pocket. He requested NEEPCO to look into the matter on priority basis.

CM, POWERGRID stated that till the replacement of Bus conductor with higher size is done, NEEPCO should utilize bus transfer facility in case of outage of CBs even with load regulation, if required. NEEPCO agreed.

Member Secretary (IC) also stated that NEEPCO have agreed to carry out the work during the 12th NERPC meeting. He requested NEEPCO to abide by the decision as the same is also a part of missing link project.

The Sub-committee suggested to uphold the bus conductor enhancement and also carry out the load flow study by NERLDC/CEA simultaneously as desired by NEEPCO.

C.5 Software Problem in DCD

Sr. Manager, TSECL informed that they have received the SEM but the SEM was not functioning. She requested POWERGRID to take up the matter again at the earliest. POWERGRID agreed. Further, POWERGRID requested TSECL to inform such issues immediately on occurrence.

CM, POWERGRID informed that installation of SEM at Tinsukia (AEGCL) was completed; and regarding installation of SEM at Jiribam (Manipur) POWERGRID would depute their engineer on 15.01.2012 and the status would be intimated in the next OCC meeting.

The Sub-committee noted as above.

C. 6 Supply & Installation of V-SAT equipments:

AGM, NERLDC stated that the names of Nodal **officers** required for co-ordination of procurement & installation activities of V-SAT equipments and also for arrangement of road permits for transportation of equipments from vendors' works to concerned utilities has not been received from Ar. Pradesh and Nagaland though the respective SLDCs have been identified as the site for installation. AGM, NERLDC stated that Ar. Pradesh has not nominated the name of Nodal officer but the road permit and other necessary has been given by Ar. Pradesh.

SE, Dept. of Power, Govt. of Ar. Pradesh stated that they have already sent the names of Nodal officer and the same would be received soon by NERLDC. He however, informed that Shri W. Rehman, EE, SLDC & Shri Rajesh Sharma, JE,

SLDC as alternative have been nominated as nodal officers from Ar. Pradesh.

The Sub-committee noted as above.

C. 7 Single-Phase Auto-Reclosure of Transmission Lines:

The OCC Sub-committee decided that the issue pertaining to SPAR would be reviewed again in the next OCC meeting as the same has just been indicated during the last NERPC meeting and some of the item work would be completed by January, 2012.

Sr. No.	Name of the Line	Ownership	Status as given on 12th NERPC meeting.
1	220kV Kopili - Misa # I & II	KHEP, NEEPCO	January, 2012
2	220kV Salakati - BTPS - I & II	BTPS, AEGCL	February, 2012
3	220kV Balipara - Samaguri	Samaguri, AEGCL	March, 2013
4	132kV Khandong - Haflong	KHEP, NEEPCO	June, 2012
5	132kV Khandong - Kopili	KHEP, NEEPCO	June, 2012
6	132kV Loktak - Jiribam # II	Loktak, NHPC	March, 2012.
7	132kV Ranganadi- Ziro	RHEP, NEEPCO	*

NERPC stated that NEEPCO has not willing to replace the CBs at their ends since the CBS are less than 10 (ten) years old. It was suggested that if Ar. Pradesh is interested to buy these CBs from NEEPCO and use at their sub-stations then the same may be communicated to NEEPCO for further necessary action. NERPC also stated that once the SPAR is implemented then the problem of frequent tripping in Ar. Pradesh line would be minimized. NERPC requested Ar. Pradesh to take up the matter at the earliest.

*SE, Dept. of Power, Govt. of Ar. Pradesh stated that since this is a matter of policy decision it would not be possible for him to decide in the meeting. He requested NERPC Secretariat to write to Dept. of Power, Govt. of Ar. Pradesh so that the matter could be resolved.

The Sub-committee noted as above.

C. 8 Installation of Harmonic filters:

During the 12th TCC & 12th NERPC Meeting, CM, POWERGRID had informed that as per the study of CPRI, the harmonics are generated by the Steel Plant (Satyam) at Banderdewa. Therefore, the cost of harmonic filters has to be borne by the utility i.e., Satyam Steel Plant, Banderdewa. Meanwhile, POWERGRID has already invested around ₹ 4.31 Lakhs (as detailed below) which may be reimbursed by Satyam Steel Plant to POWERGRID through DoP, AP:

(a) Investigation of harmonics by CPRI	-	₹ 2.00 Lakhs
(b) Finalization of filter specification by CPRI	-	₹ 1.75 Lakhs
(c) 15% overhead	-	₹ 0.56 Lakhs
TOTAL		- ₹ 4.31 Lakhs

CM, POWERGRID requested Dept. of Power, Ar. Pradesh to take up the matter with M/S Satyam Plant and reimburse the above expenditure to POWERGRID at the earliest.

SE, Ar. Pradesh informed that Satyam Plant has already installed the harmonic filters at their plant. Further, he informed that Statutory Officials have certified stating that the work has been completed. POWERGRID disagreed certification. This was however contested by POWERGRID.

The Committee suggested that Ar. Pradesh may furnish the above certificate and the same would be discussed in the next OCC meeting.

C. 9 Augmentation of transformation capacity at Nirjuli S/S:

CM, POWERGRID informed that they have already replaced the 16MVA, 132/33kV Transformer (owned by AP) with new 10MVA, 132/33kV Transformer on 25.11.2011 following the tripping of 16MVA transformer through Buchholz and PRV protection on 16.11.2011. Thus, at present, Nirjuli Sub Station is operative with 2 X 10 MVA, 132/33kV Transformer as per the original configuration. Now, as POWERGRID has already put up agenda in earlier meetings for augmentation of sub-station by installation 2 X 30MVA transformers at Nirjuli in place of existing 2 X 10 MVA transformers, DoP, AP may pursue the proposal or else restrict the load at Nirjuli within the present capacity of 2 X 10MVA.

SE, Ar. Pradesh stated that POWERGRID should allow them to install the 30 MVA transformers at their premises in place of one of the existing 10MVA Transformer. However, CM, POWERGRID replied that he can not comment on such asset interchange issues which has multiple implication beyond his jurisdiction.

Subsequently, SE, Ar. Pradesh requested constituents to allow augmentation of transformation capacity of Nirjuli Sub Station from existing capacity of 2 X 10 MVA to 2 X 30 MVA under regional project as Arunachal never opposed signing of regional projects benefiting constitutes other than Arunachal Pradesh.

SE, Ar. Pradesh also requested the OCC Sub-committee to refer the issue for augmentation of transformation capacity of Nirjuli Sub Station to 2 X 30MVA under regional project to the next TCC/RPC meetings.

The Committee noted as above.

C. 10 Status of 132 KV Kopili – Khandong 2nd Ckt:

NERPC stated that during the 12th TCC/NERPC Meetings, POWERGRID had informed that the Final Forest Clearance has been received and POWERGRID has started mobilizing the team to carry out the construction of 4 (four) remaining towers of above line and the work would be completed by January, 2012.

CM, POWERGRID informed that for completion of the work shutdown is required and POWERGRID has given the shutdown proposal for the above work.

The Committee noted as above.

C. 11 Restoration of LILO of 132 KV Dimapur (Nagaland) – Kohima)Nagaland) line at 220/132 KV Dimapur (PG) S/S.

NERPC stated that during the 65th OCC meeting, the sub-Committee has decided that POWERGRID shall take shutdown of LILO work at Dimapur of 220/132 KV (PG) after restoration of 132 KV Karong – Kohima line.

NERLDC informed that 132 KV Karong – Kohima line was restored on 19.12.2011. Since both the representative from Manipur and Nagaland were not present the status could not be updated.

The Committee noted as above.

D. NEW ITEMS

D. 1 State-wise anticipated peak demand/requirement, shortage for January, February, March, April & May, 2012.

The sub-Committee reviewed & finalized the anticipated peak demand/energy requirement/Availability for the months of January, February, March, April & May, 2012.

A. Peak Demand

S.No.	State	Peak Demand (MW) Jan' 12	Peak Demand (MW) Feb' 12	Peak Demand (MW) Mar' 12	Peak Demand (MW) Apr' 12	Peak Demand (MW) May' 12
1	Ar. Pradesh	100	110	105	110	110
2	Assam	1100	1000	1020	1000	1050
3	Manipur	110	110	110	100	100
4	Meghalaya	320	110	265	260	260
5	Mizoram	75	75	75	70	70
6	Nagaland	115	105	110	105	105
7	Tripura	220	195	200	200	210
	Region	2040	1850	1885	1845	1905

B. Peak Availability

S.No.	State	Peak Availability (MW) Jan' 12	Peak Availability (MW) Feb' 12	Peak Availability (MW) Mar' 12	Peak Availability (MW) Apr' 12	Peak Availability (MW) May' 12
1	Ar. Pradesh	80	75	75	70	65
2	Assam	875	850	850	800	800
3	Manipur	80	75	75	70	70
4	Meghalaya	200	200	200	190	185
5	Mizoram	50	45	45	45	40
6	Nagaland	85	80	80	75	70
7	Tripura	140	135	135	130	120
	Region	1510	1460	1460	1380	1350

The Committee noted as above.

D. 2 Generation Planning (ongoing and planned outages)

The Sub-committee has approved the proposed shutdown of NEEPCO and NHPC. The same is enclosed at **Annexure – D.2:**

D. 3 Hydro management

NERLDC stated that due to lean hydro season most of the reservoirs of hydro stations has depleted considerably. So proper hydro planning is required for running of hydro stations till May 2012. The daily availability for hydro stations as decided in the meeting is given below.

Khandong –	0.161 MU
Kopilli –	0.885 MU
Ranganadi -	(subject to inflow)
Doyang –	0.185 MU
Loktak -	2.500 MU

The Sub-committee noted as above.

D. 4 Demand of states and outage planning of transmission lines & generating stations for fifth month-

NERLDC has intimated that Demand of States and outage planning of transmission lines and generating stations are required up to the fifth month for calculating ATC/TTC to facilitate STOA. Accordingly, NERLDC has circulated the proforma during the meeting and requested all the constituents to submit the same by January, 2012.

The Sub-committee noted as above.

D. 5 Communication problem with SLDCs

NERLDC stated that several times problem is being faced for communicating with SLDCs and also for sending Fax messages. So it is requested that SLDCs should have one mobile phone other than BSNL & ULDC phones for maintaining at least verbal communication in case of any grid disturbance or exigencies.

Assam informed that since three landline connections have been installed in their SLDC, they felt that mobile connection is not desired.

Tripura and Meghalaya also shared the same opinion with Assam. Further, they

stated that most of the service providers in Tripura are shared by common communication media; any problem in one of the service provider will also affect the same to others.

AGM, NERLDC stated that most of the problems are being faced mainly to the remaining four states of NER who do not have full fledged SLDCs. He also stated that Mizoram has already provided mobile connection to their SLDC.

After detailed discussion, it was decided that one dedicated mobile connection should be provided in SLDC of Ar. Pradesh, Manipur & Nagaland.

The Sub-committee noted as above.

D. 6 Machine Data for Dynamic simulation-

NERLDC informed that they have undertaken dynamic study of NER system for ensuring security and stability of the grid. For this purpose technical data of all generating units are urgently required. Accordingly, NERLDC has circulated the proforma during the meeting and requested all the constituents to submit the same by January, 2012.

The Sub-committee noted as above.

D. 7 Downloading of Special Energy Meter Data through RS-485

NERPC informed that during the 16th CCM, GM (Coml.), NERTS had informed that work of downloading of SEM data was completed in 14 stations out of 20 stations. Installation of SEM at Ranganadi, Kathalguri & Loktak would be completed by September, 2011. PCs for the above purpose are not available at Mariani, Samaguri & Yurebam. Since meter readings at these locations are being taken by POWERGRID it was proposed to install AMR system with modems at these locations.

The CM (Coml.), POWERGRID requested to refer the matter to OCC Sub-committee since installation work for the above is being carried out by operation group of POWERGRID.

The CM, POWERGRID informed the status as below:

Loktak:

Wiring done, Software CD also sent. Target Completion by 15th January 2012

Ranganadi & Kathalguri:

Two nos. of RS 485 converter were spared in Kopili for remote reporting of SAS to RLDC. The said converters will be replenished by the executing agency shortly after which installation will be done at Ranganadi and Kathalguri. Expected completion of job is by 31st January 2012.

Mariani, Samaguri & Yurebam:

Procurement of 11 nos. of GSM Modems of L&T Make is under tendering. Expected completion of job is by May 2012.

The Sub-committee noted as above.

D. 8 Replacement of all Secure make SEMs by L&T make SEMs in NER

NERPC stated that during the 16th CCM, GM (Coml.), NERTS informed that installation of balance 10 meters would be completed by September, 2011 at the following locations viz. BTPS (2), Gorgoan (1), Lekhapani (1), Gelephu (1), Tinsukia (1), Rupai (1), Deomali (1) & Mokokchung (2)

The CM (Coml.), POWERGRID requested to refer the matter to OCC Sub-committee since installation work for the above is being carried out by operation group of POWERGRID.

CM, POWERGRID informed that installation at BTPS & Tinsukia have been completed. However, installation in other locations will take some time; since the procurement of new SEMs are under progress. Further, considering the procurement of meters through open tendering the New SEMs are likely to be supplied after July'12 and hence, the necessary installation will be carried out accordingly at the earliest.

The Sub-committee noted as above.

D. 9 Delay in receipt of weekly SEM readings

NERPC stated that during 16th CCM meeting, the Sub-committee had referred the matter regarding weekly SEM readings, as most of the times receipt of readings was abnormally delayed from Kahelipara & Sarusajai of AEGCL & Byrnihat of Me.ECL.

Both the representative from Assam & Meghalaya stated that they would instruct the concern officers to send the data in time.

The Sub-committee noted as above.

D. 10 Outage Planning Transmission elements

The Sub-committee **discussed and approved** the programme of transmission line outages for January/February, 2012 as proposed by POWERGRID, AEGCL & TSECL. The same is enclosed at **Annexure – D.10**.

NERLDC has prepared the load pattern during the shutdown of 132 KV Kopili – Khandong & 132 KV Dimapur – Imphal Lines. The same is enclosed at **Annexure – 10 (i)**. All constituents are requested to follow the load restriction as indicated for maintaining grid security in the region.

The Sub-committee noted as above.

SE, Dept. of Power, Ar. Pradesh expressed concern about the shutdown proposal of POWERGRID. He stated that shutdown proposal of POWERGRID of 132 KV Ranaganadi - Nirjuli from 02.12.2011 to 12.12.2011 has been approved during the 68th OCC meeting. Accordingly, Dept. of Power, Govt. of Ar. Pradesh has given publication in newspaper based on the approval. However, POWERGRID has neither availed the above shutdown nor informed Dept. of Power, Ar. Pradesh; thereby putting the department in an very embarrassing position vis a vis the general public, industries etc. He strongly urged that such incident should not repeat again and they should inform prior in advance if any change in shutdown programme should take place so that they can act accordingly.

CM, POWERGRID stated that he will enquire the matter and come back to Dept. of Power, Ar. Pradesh.

The Sub-committee noted and advised POWERGRID to abide the plan shutdown as approved during the OCC meeting or inform the concerned parties in case there is a change in the shutdown programme.

D. 11 Estimated Transmission Availability Certificate (TAC) for the month of December, 2011.

The Final TAC certified by NERPC for the month of November, 2011 has not yet been issued by NERPC Secretariat as data relating to TAC has not been received from POWERGRID.

The Estimated Transmission/System Availability for the month of December, 2011 furnished by PGCIL is **99.9963 %** as per details at **Annexure D. 11**. NER constituents are requested to kindly give their comments and observations, if any,

by 27th January, 2012 so that Final TAC for the month of December, 2011 can be issued.

The sub-Committee noted as above.

D. 12 Major grid disturbances in the previous month (December, 2011)

There was no major grid disturbance during the month of December, 2011

The sub-Committee noted as above.

D. 13 Load Generation Balance Report (LGBR) for the FY 2012 - 13

NERPC informed that the Load Generation Balance Report is prepared in advance for the next financial year in order to promote optimum utilization of generation in the Region. One more important aspect of this report is to co-ordinate overhaul and maintenance programme for the generating plants/Transmission Lines in the region. The format required to be furnished by the constituents is enclosed at **Annexure – D. 13** (the same was also circulated during the meeting).

Constituents are requested to furnish the data by January, 2012.

D. 13 Additional items

i). **DEMAND MANAGEMENT SYSTEM** AGM, NERLDC stated that Demand Management System has to be prepared by all the States in line with IEGC; he also informed that the same is also monitored by CERC. He informed that only Tripura has sent the above data, but no other constituents had furnished the data. He requested all the constituents to furnish a copy of the plan to NERLDC at the earliest.

The sub-Committee noted as above.

D. 14 Date & Venue of next OCC meeting

It is proposed to hold the 70th OCC meeting of NERPC on 8th February, 2012 (Wednesday). As per roster Tripura (TSECL) would be the host for 70th OCC meeting.

Sr. Manager, TSECL informed that they will host the 70th OCC meeting in Agartala, but the venue of meeting would be intimated at the earliest to NERPC Secretariat.

The meeting ended with thanks to the Chair.

List of Participants in the 69th OCC meeting held on 10/01/2012

SN	Name & Designation	Organization	Contact No.
1.	Sh. Bar Takum, SE, (Cord)	Ar. Pradesh	
2.	Sh. W. Rehman, EE, SLDC	Ar. Pradesh	09436050735
3.	Sh. K.K. Das, DGM, LD&C	Assam	09435182116
4.	Sh. A.K. Saikia AGM, LD&C	Assam	09864116176
5.	Sh. H.R.F. Hadem, AEE, SLDC	Meghalaya	
6.	Sh. B. Kharkamni, AEE, SLDC	Meghalaya	
7.	No Representative	Mizoram	
8.	No Representative	Manipur	
9.	No Representative	Nagaland	
10.	Sh. B. Debbarma, DGM (SO)	Tripura	09436450501
11.	Smt. Sampa Sen, Sr. Manager	Tripura	09436120263
12.	Sh. T.S. Singh, AGM	NERLDC	09436302717
13.	Sh Anupam, Engineer.	NERLDC	09436335379
14.	Sh. Rahul Chakrabarti, Engineer	NERLDC	09402507543
15.	Sh. P. Kanungo, CM.	NERTS	09436302823
16.	Sh.Bhaskar Goswami Sr. Mgr.	NEEPCO	09436163983
17.	Sh. A.J. Bordoloi, SR. Manager	NEEPCO	09435092240
18.	Sh. R. C. Singh, Mgr.	NHPC	09436894889
19.	Sh. P.D. Siwal, MS IC	NERPC	09436998378
20.	Sh.B. Lyngkhai, AS	NERPC	09436163419
21.	Sh. D.K. Bauri, EE	NERPC	09863317236

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Shutdown Programme of NEEPCO
as approved in the 69th OCCM held on 10.01.2012 at "Hotel
Grand Starline", Guwahati.

S/D PROGRAM FOR NEEPCO:				
Name of Generating Station	Date	Time	Purpose	Areas / Feeders Affected
Doyang U # 2	01.03.12 to 30.03.12	Continuous S/D	APM	Doyang U # 2
Doyang U# 3	16.01.12 to 11.02.12	Continuous S/D	APM	Doyang U# 3
Khandong U#1	27.01.12 to 26.02.12	Continuous S/D	APM	Khandong U#1

Shutdown Programme for the month of January, 2012
as approved in the 69th OCCM held on 10.01.2012 at "Hotel
Grand Starline", Guwahati.

S/D PROGRAM FOR POWERGRID TRANSMISSION LINES & ITS ASSOCIATED BAYS:					
S/N	Name of Tr. Lines	Date	Time	Purpose	Areas / Feeders Affected
1	400 kV Misa-Balipara-I	14.01.12 to 22.01.12 (except 19.01.12) & 30.01.12 to 06.02.12	08:00 Hrs to 16:00 Hrs	Erection of Emergency Restoration System & shifting of Ckt-I conductors on ERS in connection with the shifting of loc. 230.	400 kV Misa-Balipara-I
2	400 kV Misa-Balipara-II	11.01.12 to 12.01.12, 23.01.12 to 25.01.12, 28.01.12 to 29.01.12 & 07.02.12 to 08.01.12	08:00 Hrs to 16:00 Hrs		400 kV Misa-Balipara-II
3	400 kV Balipara-Bongaigaon-I	01.02.12 to 05.02.12	Continuous S/D	Diversion of 400KV D/C Balipara-Bongaigaon line from loc. 207 to 212 in view of gauge conversion being executed by Railways.	400 kV Balipara-Bongaigaon-I
		06.02.12 to 10.02.12	08:00 Hrs to 16:00 Hrs		
4	132 kV R C Nagar-Kumarghat	13.02.12 to 15.02.12	Continuous S/D	Stringing activities of 400 kV Pallatana-Silchar line which crosses the same line	132 kV R C Nagar-Kumarghat
5	132 kV Dimapur-Imphal	18.01.12 to 27.01.12 (except 23.01.12 & 26.01.12)	08:00 Hrs to 15:00 Hrs	Strengthening of jumpers throughout the line in view of high loading characteristics of the line.	132 kV Dimapur- Imphal
6	132 kV Khandong-Kopili-I	13.01.12 to 14.01.12, 28.01.12 & 03.01.12	08:00 Hrs to 16:00 Hrs	Strengthening of jumpers throughout the line in view of high loading characteristics of the line.	132 kV Khandong- Kopili-I
		15.01.12 to 23.01.12	Continuous S/D		
7	132 kV Khandong-Kopili-II	15.01.12 & 23.01.12	08:00 Hrs to 16:00 Hrs	Dismantling of ERS structure and shifting of conductors from ERS to newly constructed towers under Missing Link Project	132 kV Khandong- Kopili-II
		28.01.12 to 03.01.12	Continuous S/D		
8	132 kV Khandong-Haflong	04.02.12 to 11.02.12	08:00 Hrs to 16:00 Hrs	Shifting of tower at location 35 rendered vulnerable by severe landslide to safer location.	132 kV Khandong- Haflong

Annexure-D.10

9	132 kV Panchgram (AEGCL)- Khliehriat (MeECL)	08.02.12 to 11.02.12	08:00 Hrs to 16:00 Hrs	Stringing activities of 400 KV D/C Churaibari -Silchar line, (under construction) under Pallatana GBPP.	132 kV Panchgram (AEGCL)- Khliehriat (MeECL)
10	132 kV Dimapur-Doyang-I	05.02.12 to 11.02.12	08:00 Hrs to 16:00 Hrs		132 kV Dimapur-Doyang-I
11	132 KV Nirjuli-Ranganadi	20.01.12 to 22.01.12	Continuous S/D	i) Requested by Railways for temporary raising of the line between locations 4-5, 8-9 & 10-11 ii) For Strengthening of Jumpers through out the line in view of high loading.	132 KV Nirjuli-Ranganadi
		23.01.12 to 25.01.12	08:00 Hrs to 16:00 Hrs		
S/D PROGRAM FOR TSECL TRANSMISSION LINES & ITS ASSOCIATED BAYS:					
12	132 kV Agartala-Dhalabil	12.01.12 to 11.02.12	16:00 Hrs to 24:00 Hrs		132 kV P K Bari-Dharmanagar

S/D PROGRAM FOR POWERGRID SUB-STATIONS / BAYS / ICTS/ REACTORS					
S/N	Name of Elements	Date	Time	Purpose	Areas / Feeders Affected
Dimapur S/S					
1	Dimapur ICT-I	12.01.12	08:00 Hrs to 16:00 Hrs		Dimapur ICT-I
2	132 kV Dimapur (PG) Bus	21.01.12 (Subject to consent of Nagaland)	09:00 Hrs to 12:00 Hrs	Dismantling of obsolete TELK make breaker in connection with new CB installation.	132 kV Dimapur (PG) Bus
3	220 kV Samaguri-II	03.10.12 to 04.01.12	08:00 Hrs to 16:00 Hrs	Erection of new SF6 Breaker in place of obsolete breaker	220 kV Misa-Samaguri-II
Misa S/S					
4	400 kV Bus Reactor	20.01.12 & 22.01.12	Continuous S/D	To facilitate construction activity for the second ICT at Misa S/S.	400 kV Bus Reactor
S/D PROGRAM FOR AEGCL SUB-STATIONS / BAYS / ICTS/ REACTORS					
5	Samaguri Bus	19.01.12	08:00 Hrs to 16:00 Hrs		Samaguri Bus

CAPACITY ADDITION DURING 2012 - 13

SL. NO.	POWER STATION	CAPACITY (MW)	EXPECTED DATE OF COMMISSIONING
1			
2			
3			
4			

DETAILS OF GENERATING STATIONS (STATE SECTORS ONLY)

Sl. No.	Name of the Station	Capacity (in MW)	Whether generating monthly	Expected monthly gen. from the stn. (in MW)	Expected monthly gen. from the stn. (in MU)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

SCHEDULE OF MAINTENANCE OF TRANSMISSION LINES/SUB STATIONS IN NORTH EASTERN REGION

Sl. No.	Transmission Line/SS	Ckt.	RATED Voltage	APR' 12	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	JAN' 13	FEB.	MAR.
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

*Note of tentative dates to be indicated in respective tables