

सत्यमेव जयते

भारत सरकार Government of India

विद्युत मंत्रालय Ministry of Power

उत्तर पूर्वी क्षेत्रीय विद्युत समिति

North Eastern Regional Power Committee

मेघालया स्टेट हाउसिंग फिनांस को- आपरेटिव सोसायटी लि. बिल्डिंग

Meghalaya State Housing Finance Co-Operative Society Ltd.

Building

नांग्रिम हिल्स, शिल्लोंग - 793003

Nongrim Hills, Shillong - 793003.



ISO 9001:2008

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No. NERPC/AS/OCC/2011/ 3184-3216

Date: 14th September, 2011

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 65th OCC Meeting held on 9th September, 2011 at Guwahati.

The Minutes of the 65th OCC Meeting of NERPC held on 09.09.2011 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

भवदीय / Yours faithfully,


14/9/2011

बी. लिंखोई / B. Lyngkhoi

सहायक 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, Viduyut Vihar, Kom Keirap, Manipur- 795124

North Eastern Regional Power Committee

MINUTES OF THE 65th

OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

Date: 09/09/2011 (Friday)

Time: 10:30 hrs

Venue: "Hotel Grand Starline," Guwahati.

The List of Participants in the 65th OCC Meeting is attached at **Annexure - I**

Shri D.K. Sarma, General Manager, NERTS, POWERGRID welcomed all the participants to the 65th OCC meeting. He thanked NERPC for giving them the opportunity to host the 65th OCC meeting at Guwahati. He also thanked Shri B.K. Jain, Member Secretary for his guidance during his tenure and wished him success on his transfer to CEA, HQR.

Shri B.K. Jain, Member Secretary, NERPC also welcomed all the participants of the 65th OCC and appreciated POWERGRID for hosting the meeting at Guwahati. He briefed about the grid performance during the month of August, 2011 and stated that grid parameters as furnished in the agenda are within IEGC band. He also noted the full participation by the constituents and requested them to continue the same trend in future also. He requested that constituents should actively participate in OCC meeting and other sub-committee meetings for the benefit of this region.

He then requested Shri P.D. Siwal, Superintending Engineer (O), NERPC to take up the agenda items for discussion.

The meeting commenced with the introduction of all the officers.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 64th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

SE, NERPC mentioned that the minutes of 64th meeting of Operation Sub-committee held on 9th August, 2011 at Guwahati were circulated vide letter No. NERPC/AS/OCC/2011/2732 - 64 dated 18th August, 2011.

As no comments were received from any of the constituents, the minutes of the 64th OCC Meeting was confirmed.

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

ITEMS FOR DISCUSSION

B.1 OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING August, 11

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

- i) **Average frequency** during August, 2011 was 49.86 Hz, as compared to 49.85 Hz in July, 2011.
- ii) **Minimum frequency** in August, 2011 was 48.78 Hz (16.08.11 at 19:10 hrs) as compared to 48.88 Hz recorded in the previous month.
- iii) **Maximum frequency** was 50.85 Hz (02.08.11 at 18:20 hrs), as compared to 50.49 Hz in July, 2011.
- iv) **System frequency** remained within permissible range of 49.5 Hz to 50.2 Hz for 91.46 % of the time, below 49.5 Hz for 4.02 % and above 50.2 Hz for 4.51% of the time as compared to 92.58 %, 5.21% and 2.2 % of the time respectively in the previous month.
- v) **Regional peak** demand in August, 2011 was 1905 MW as compared to 1920 MW in July, 2011 a decrease of 0.8 % over the previous month.
- vi) **Energy requirement** was 1047.4 MUs in August, 2011 compared to 1022.33 MUs in July, 2011 an increase of 2.45 % over the previous month.
- vii) **Regional energy availability** in August, 2011 was 948.46 MUs compared to 934.99 MUs in the previous month, an increase of 1.44 % over the previous month.
- viii) **Rise in demand met** was recorded in Nagaland (13.77%), Tripura (13.69%), Ar. Pradesh (9.57%), Manipur (6.85%) & Assam (2.83%) over the previous month.
- ix) **Drop in demand met** was recorded in Mizoram (5.36 %) & Meghalaya (0.38%) over the previous month viz. July, 2011.
- x) **Over Voltages** at 400 kV substations were observed at Bongaigaon, Misa and Balipara where maximum voltage observed were 424, 432 kV and 426 kV respectively.

- xi) **No over Voltages** were observed at 220 kV S/S and 132 kV S/S.
- xii) **Under Voltage** observed at 400 kV, Misa S/S was 378 kV. No under voltage were observed in 220 kV S/S. Under voltage observed at 132 KV Aizawl S/S was 120 kV.
- xiii) **Regional Generation & Inter-regional Exchanges:** During the month of August, 2011 compared to July, 2011 are given below:

SN	Parameter	August, 2011	July, 2011
REGIONAL GENERATION & INTER - REGIONAL EXCHANGES (in MU)			
1	Total Generation in NER (Gross)	1008.486	1012.059
2	Total Central Sector Generation in NER (Gross)	679.838	696.070
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	95.59	99.22
	(b) ER - NER	60.30	48.43
	(c) Net Export	35.29	50.79

The Sub-committee noted as above.

FOLLOW UP ACTION

C. 1 Status of 132 KV Kopili – Khandong 2nd Ckt.

GM, POWERGRID informed that the Final Clearance has been received and POWERGRID has started mobilizing the team for carry out the work. 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.

C. 2 Transfer facility in Bus Bar arrangement:

Assam informed that the concerned party for commissioning of the work could not attend the work during August, 2011. They informed that the work will be commissioned by September, 2011. The status would be intimated in the next OCC meeting.

The Sub-committee noted as above.

C. 3 Installation of two main numerical distance protection scheme at Ranganadi & Kopili end of NEEPCO:

NEEPCO informed that they have already placed the order for two more numerical relays one each for Kopili & Ranganadi lines. NEEPCO further informed that numerical relay for Kathalguri has also placed along with above. The work will be completed by December, 2011.

The Sub-committee noted as above.

C. 4 Deputation of site engineer by PGCIL at Kopili for SCADA system:

GM, PGCIL informed that ABB engineers have visited the site but they could not restore the system due to compatibility problem. However, they are still looking for solution and after commissioning; training will be conducted for NEEPCO engineers at Kopili HEP.

AGM, NERLDC also mentioned that the same problem may arise at Pallatana GBPP as the SCADA system are installed by two different vendors.

The Sub-committee decided to drop this agenda and POWERGRID should intimate the status to the OCC, once the work is completed.

C. 5 Switchable Reactor at Balipara S/S:

GM, POWERGRID informed new 63MVAR Bongaigaon # I Line Reactor has already been commissioned on 09.09.2011.

The erection of 400kV Ranganadi Line # I & II Reactor Switching Circuit Breakers will be done during Sept'11 to commission the switching scheme by 30th Sept'11.

The Sub-committee noted as above.

C. 6 Installation of new Under Frequency Relays (UFRs) in NER constituent systems and constituent-wise load relief quantum as recommended by the sub-committee:

SE (O), NERPC informed that as decided in the 64th OCC meeting, NERPC has written to all the constituents to intimate the location and the quantum of load relief, but the reply from constituents yet to be received by NERPC Secretariat.

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 at same place. Further he stated that decision for revision of frequency band should be discussed in TCC/RPC. Constituents agreed to furnish the details of UFR.

The Sub-committee noted as above.

C. 7 Bus transfer facility at 132 KV Gohpur (AEGCL) Sub-station:

Assam informed that feedback from their Engineering Design wing has not been received and the same would be intimated accordingly.

Assam also intimated that they will depute their representative to NERLDC along with relevant data soon to carry out the studies 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. The status will be intimated in the next OCC meeting.

The Sub-committee noted as above.

C. 8 Non-utilization of transfer facility at Khandong HEP:

NEEPCO informed that the Khandong Switchyard is old and at this stage enhancement of Bus capacity is not possible. At present, due to the limitation of bus capacity the Generation and Load is shared in two buses for which implementation of transfer facility is not feasible.

CM, POWERGRID stated that if transfer 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 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 the bus conductors or jumpers size in the Khandong switchyard, NEEPCO should find a solution to replace them with higher size conductors. He requested NEEPCO to look into the matter and take necessary action in the matter. If required, the matter may be referred to next NERPC Meeting.

The Sub-committee noted as above.

C. 9 Power flow on 132 KV P.K. Bari – Panchgram line:

AGM, NERLDC informed that the above line could not be tested as decided in the 64th OCC meeting due to outage of Loktak – Jiribam – II line. Further he stated that once this line is brought back in service, NERLDC will co-ordinate with Tripura & Assam to test the power flow on P.K. Bari – Panchgram line.

The Sub-committee noted as above.

C. 10 Single-Phase Auto-Reclosure (SPAR) of Transmission Lines:

The status of SPAR as reviewed during the 65th OCC meeting is given below:

Sr. No.	Name of the Line	Ownership	Status as given on 65 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 atleast 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	NEEPCO insisted that breakers are only 6 years old and it would not be viable to replace the breakers. MS, NERPC stated that SPAR is very important for minimum interruption and NEEPCO should find means to replace the breakers as agreed in the 10 th 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. EE, Ar. Pradesh informed that finalization of the same is under progress and the same will be intimated in the next OCC meeting.

*SE (SLDC), Mizoram stated that installation of SPAR will not be required on the 132 KV Aizawl – Zemabawk line as this line has not faced any problem till date.

Member Secretary stated that the decision to install the SPAR was approved by RPC and it would not be possible for OCC to delete the item of SI. No. 5 above. He suggested that ***the issue may be taken up in the TCC/RPC meeting.***

**Since no representative from Ar. Pradesh was present, the Sub-committee requested NERPC to write to Dept. of Power, Govt. of Ar. Pradesh about the action taken in this regard.

The Sub-committee noted as above.

C. 11 Installation of PLCC by AEGCL for establishment of communication between Jiribam and Pailapool Sub Station:

Assam informed that AGM, (Communication), AEGCL has been directed to survey and assess the status of communication between Jiribam & Pailapool. Once the report is received necessary action will be taken by them.

The Sub-committee noted as above.

C. 12 Installation of Line Reactor at Kathalguri end of Misa – Kathalguri line:

CM, POWERGRID informed that the revised MOU has been sent to NEEPCO on 12.08.2011. Further he requested NEEPCO to allow POWERGRID to go ahead with tendering process, considering the time taken for procurement of equipment.

Sr. Manager, 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 suggested to take up this issue again in the TCC/RPC meetings.

D. NEW ITEMS

D. 1 State-wise anticipated peak demand/requirement, shortage for September, October & November, 2011.

The sub-Committee reviewed & finalized the anticipated peak demand/energy requirement for the months of August, September & October, 2011.

S.No.	State	<u>Sept', 2011</u>		<u>Oct', 2011</u>		<u>Nov', 2011</u>	
		Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)	Peak Demand (MW)	Peak Availability (MW)
1	Ar. Pradesh	95	95	100	95	85	80
2	Assam	1000	930	1050	950	950	900
3	Manipur	110	100	110	100	100	90
4	Meghalaya	270	220	270	220	250	220
5	Mizoram	75	70	75	70	70	55
6	Nagaland	100	95	105	100	100	90
7	Tripura	170	160	200	195	180	150
	Region	1820	1670	1910	1730	1735	1585

***The availability of above States is subjected to the instruction of NERLDC.**

D. 2 Generation Planning (ongoing and planned outages)

NEEPCO has indicated the daily availability for hydro stations:

Khandong -	1.056 MU
Kopilli -	4.704 MU
Kopili Stg. - II	0.480 MU
Ranganadi -	6.700 MU (subject to inflow)
Doyang -	1.157 MU

The Sub-committee has approved the proposed shutdown of NEEPCO as given below:

S.No.	Unit No:	From	To	No. of days	Reason
1.	Khandong U#I	21.09.2011	25.09.2011	5 days	DT repairing
2.	Khandong U#II	26.09.2011	30.09.2011	5 days	DT repairing

The sub-Committee has requested NEEPCO to complete the repairing work within the stipulated date as approved above before Puja festival.

D. 3 Restoration of LILO of 132 KV Dimapur (Nagaland) – Kohima)Nagaland) line at 220/132 KV Dimapur (PG) S/S.

POWERGRID informed that they have already restored 132kV GIS CB of Kohima Bay at 220/132kV Dimapur Sub Station and accordingly, requested Dept. of Power, Govt. of Nagaland on 16th Aug'11 and 25th Aug'11 to provide Shut Down for 2 Hours to restore the LILO. But, in both the occasions, the Shut Down was not given to POWERGRID for which the LILO could not be restored till now.

EE, Dept. of Power, Nagaland informed that due to the outage of 132 KV Karong – Kohima line, the 132 KV Dimapur – Kohima is the only line fed to their state capital at present. Further he stated that Nagaland has informed the matter to POWERGRID that they were not in a position to allow shutdown of LILO work due to above reason.

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.

D. 4 Mal-operation of Distance Relay of 400 KV Balipara – Ranganadi line #II at Ranganadi HEP.

POWERGRID informed that since recent past there were certain instances of mal-operation of Distance Protection Relay (DPR) of 400 KV Balipara – Ranganadi #II at Ranganadi HEP for which the line tripped without any line fault. The instances of such tripping during August, 2011 are as below:

SN	Tripping		Restoration		Duration	Relay Operation	
	Date	Time	Date	Time		Balipara	RHEP
1	16.08.11	23:01	16.08.11	23:16	15 min	Direct Trip - OV	BNZ1, OV
2	18.08.11	10:45	18.08.11	11:20	35 min	Direct Trip - OV	BNZ1, OV
3	20.08.11	20:51	20.08.11	20:57	06 min	NT	BNZ1

NEEPCO informed that one module of Distance Protection Relay at Ranganadi end was faulty but now corrective action has already been done.

The Sub-committee noted as above.

D. 5 Erratic generation of Ranganadi HEP during June, 2011 & July, 2011.

Assam stated that it has been observed that during June, 2011 & July, 2011 there was very erratic and unreliable generation from RHEP of NEEPCO. During this year there was shortage of rainfall in NER but even when there was rainfall in catchment area of Ranganadi the daily generation of RHEP is not in commensuration with the rainfall.

NEEPCO informed that Ranganadi is RoR Project and the generation is based on the inflow of water. Further, they stated that rainfall in many occasions is localized but it was not related to inflow.

Member Secretary enquired from NHPC whether the run-of-river project is based on inflow or rainfall and also how the rainfall is related to inflow ?

NHPC informed that RoR project is based on inflow. However, the question of rainfall relating to inflow could not be given by them.

Assam requested NEEPCO to give their daily inflow data to enable them to plan their load management.

NEEPCO informed that the daily inflow data is available in their website and requested Assam to get the data from their website.

The Sub-committee noted as above

D. 6 Low generation of Kathalguri AGBPP of NEEPCO

Assam informed that the generation of Kathalguri AGBPP has been much below the normal level for the last few weeks. This has caused acute difficulty for Assam as the existing shortfall has further increased compelling them to effect drastic and unplanned load cuts.

NEEPCO informed that they have written and discussed the matter with OIL to increase the gas supply. Oil India Ltd. (OIL) informed that due to outage of some wells as well as the additional gas drawal by Brahmaputra Valley Fertilizer Corporation Ltd. (BVFCL) at Namrup. Kathalguri has been facing this problem for the last several weeks. However, OIL has assured NEEPCO to restore the outage wells and increase the gas supply at the earliest.

Assam enquired whether the daily gas supply by OIL to NEEPCO is available in their website.

NEEPCO informed that this data is not available with them as the OIL could not commit how much gas they will supply to NEEPCO on daily basis.

Assam stated that they have connected the SCADA system to their gas supplier and this has helped them to know the quantum of gas supply and hence plan their generation accordingly. They requested NEEPCO to connect SCADA system with OIL in line with what Assam has been practiced. Further Assam stated that NEEPCO could not even generate to their Declared Capacity as furnished in the website of NERLDC and this has resulted in power cut to beneficiaries.

NEEPCO re-iterated that SCADA system as suggested by Assam will not be possible by them.

The Sub-committee requested NEEPCO to find out the solution how to provide the data as requested by the constituents and also to abide by their Declared Capacity and the status would be intimated in the next OCC meeting.

D. 7 Additional requirement of power by Tripura during Durga Puja festival

Sr. Manager, Tripura informed that during the ensuing Durga Puja festival there will be quantum jump in demand of power in the state of Tripura as was in the previous years. To provide un-interrupted power supply to the people of the state during puja festival days, Tripura needs additional power apart from their own generation and entitlement from Central sector share in favour of Tripura. Tripura requested additional power of 30 MW and 20 MW from Meghalaya & Mizoram share respectively for a period from 1st October, 2011 to 11th October, 2011. Further she requested POWERGRID to keep their lines in healthy conditions for smooth and uninterrupted power supply during puja festival.

Both Meghalaya & Mizoram agreed to the proposal of Tripura as the same has been practiced in previous years.

POWERGRID also assured that all necessary maintenance of lines will be completed before puja festival

The Sub-committee noted as above.

D. 8 Load Management during ensuing Durga Puja

NERLDC has given a presentation regarding load management during the ensuing Puja festival. The presentation is enclosed at **Annexure – D.8.**

Member Secretary stated that as it has been shown in the presentation the load has increased but there was no addition of generation and transmission lines. He requested all the constituents to strictly abide by the drawal pattern indicated in the presentation and also follow real time instruction of NERLDC on real time operation to avoid unnecessary tripping.

The Sub-committee noted as above.

D. 9 Revival of Protection (PCC) Sub-Committee

SE (O), NERPC informed that in two occasions NERPC has issued meeting notice for PCC Sub-committee but the same could not be materialized due non submission of agenda by the constituents.

Member Secretary stated that Protection sub-committee is very important and constituents should consider it seriously. Further he stated that standardization of protection is necessary for grid stability and reliability.

AGM, NERLDC informed that Ministry of Power is regularly reviewing grid incidents/disturbances and are taking the matters very seriously. Hence proper analysis of the grid incidents/disturbances should be done. He requested all the constituents/utilities to send the details to NERLDC/NERPC whenever there is grid incident/disturbance or mal-tripping of grid elements.

CM, POWERGRID stated that all the grid disturbances / trippings are analyzed by POSOCO obtaining data following the occurrences and hence, POSOCO can prepare the agenda for PCC.

AGM, NERLDC stated that whenever any mal-tripping/incidents occurred constituents/utilities have very rarely sent the reports to them in-spite of repeating requests.

The Sub-committee requested NERPC to convene the PCC meeting at the earliest and grid incident data available with NERLDC will be the agenda.

D. 10 Supply & Installation of V-SAT & PMU equipments

AGM, NERLDC stated that installation of V-SAT will be completed by January, 2012. For this he requested Arunachal, Manipur, Mizoram & Nagaland to:

1. Nominate the nodal officer
2. Arrange Road permit for transportation of equipments.

He also stated that the installation of PMUs will be carried out in next Financial Year. For this also similar actions will be required which will be intimated at appropriate time.

The above actions may please be taken before the next OCC meeting.

The Sub-committee noted as above.

D. 11 Node-wise loads of States for peak & off-peak hours of January, 2012 & July, 2012

AGM, NERLDC informed that the above data have been received from some states but the data of node-wise was not completed. Nagaland has not yet sent any information and Manipur has not furnished bus wise load though they have furnished total load. He requested them to send the data at the earliest. Manipur & Nagaland agreed to send soon.

The Sub-committee noted as above.

D. 12 Outage Planning Transmission elements

The Sub-committee **discussed and approved** the programme of transmission line outages for September/October, 2011 as proposed by POWERGRID, Tripura and Assam. The same is enclosed at **Annexure – D. 12**

The Sub-committee noted as above.

D. 13 Estimated Transmission Availability Certificate (TAC) for the month of June, 2011.

The Final TAC certified by NERPC for the month of July, 2011 has not been issued as the data has not been received from POWERGRID.

The Estimated Transmission/System Availability for the month of August, 2011 furnished by PGCIL is **99.7784 %** as per details at **Annexure D. 13**. NER constituents are requested to kindly give their comments and observations, if any, by 26th Sept, 2011 so that Final TAC for the month of August, 2011 can be issued.

The sub-Committee noted as above.

D. 14 Major grid disturbances in the previous month (August, 2011)

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

The sub-Committee noted as above.

D. 15 Any other item

- i). **Frequent grid failure & early restoration of Loktak – Jiribam – I & Loktak – Jiribam – II for evacuation of power:** NHPC informed that Loktak – Jiribam – I was remained under outage for last many years and 132 KV Loktak – Jiribam – II was frequently tripped resulting to loss of generation as Loktak cannot generate to its full capacity. He also mentioned the incident from 22.08.2011 to 24.08.2011 where Imphal run on isolated mode for the above period.

CM, POWERGRID informed that the matter has been taken up with Dept. of Power, Manipur in various meetings of NERPC & Sub-committees to improve their protection system but the same has not been responded by Manipur. He felt that unless Manipur improves their protection system the problem will continue.

Member Secretary stated that the frequent tripping will hamper the most to Manipur and they should improve their protection system to benefit them. He requested Manipur to take corrective measures at the earliest. He however stated that the incident occurred on 22.08.2011 is a special case and should not be treated as other incidents.

Manipur informed that they will convey the important matter to their management for taking up necessary action at the earliest.

The sub-Committee noted as above.

- ii). **Low voltage profile especially during peak hours resulting in less generation.** NHPC informed that low voltage profile has been observed in Loktak for the last many months.

Member Secretary enquired from NHPC the cause of low voltage. He enquired whether inductive load is very high in Manipur. Manipur replied that there was no inductive load in the area.

Member Secretary requested NHPC to find out the cause of low voltage problem and the same shall be discussed again in the next OCC meeting.

The sub-Committee noted as above.

iii). Back down generation during spillage of water and upward revision of DC:

NHPC informed that even the spillage of water NERLDC has asked them to back down their generation which is unnecessary wastage of power. He requested them to allow them to revise their DC.

Member Secretary informed that there is no provision as per IEGC to do so and NERLDC being a system operator has to ensure the system stability and grid security so all the constituents have to abide to their instruction. He advised them to take up the matter with CERC for their upward revision.

The sub-Committee noted as above.

iv). Frequency of AGBPP shoot up to 55 Hz resulting to tripping due to over

speed: DGM, NEEPCO informed that on 31.08.2011 at 00:58 Hrs the frequency at AGBPP shoot up to 55 Hz resulting to tripping of all GTG units by overspeed. Total generation was 190 MW before tripping. The Kathalguri – Mariani – II line also tripped by distance protection at the same time. NEEPCO requested for real time generation from 4th block of 31.08.2011 to 24th block of 31.08.2011 which was not accorded by NERLDC. NEEPCO requested to consider this as grid problem.

Assam stated that if both the lines of Kathalguri – Mariani & Kathalguri – Misa tripped then frequency shoot up may take place, but one of these lines is in service the question of frequency shoot up to 55 Hz causing tripping of all the units should not happen. The view of Assam was supported by all the members.

Member Secretary requested NEEPCO to examine in detail the cause of this problem.

The sub-Committee decided that NEEPCO, NERLDC & Assam will carry out the joint examination and analyses the cause of this frequency shoot up and the give the report in the next OCC.

The meeting ended with the farewell speech by constituent members to Sh. B.K. Jain, Member Secretary on his transfer back to CEA HQR, New Delhi.

D. 16 Date & Venue of next OCC meeting

It is proposed to hold the 66th OCC meeting of NERPC on 12th October, 2011 (Wednesday). As per roster Meghalaya (Me. ECL) will be the host for the above meeting. The venue of meeting will be intimated in due course.

List of Participants in the 65th OCC meeting held on 09/09/2011

Sl. No	Name & Designation	Organization	Contact No.
1.	No Representative	Ar. Pradesh	
2.	Sh. K.K. Das, DGM, LD&C	Assam	09435182116
3.	Sh. M.K. Adhikary, DGM, APDCL	Assam	09864049287
4.	Sh. A.K. Saikia AGM, LD&C	Assam	09864116176
5.	Sh. K. Goswami, AGM	Assam	09864116176
6.	Sh. A. Kharpan, SE (SLDC)	Meghalaya	09436117802
7.	Sh. F.E. Kharshiing, EE, SLDC,	Meghalaya	09863066960
8.	Sh. M.K. Kumpawat, EE	Meghalaya	09436995321
9.	Sh. T. Gidon, AEE, SLDC	Meghalaya	
10.	Sh. Rupert War, AEE, SLDC,	Meghalaya	09436103088
11.	Sh. C. Lianlunga, SE (SLDC)	Mizoram	09436142332
12.	Sh. Lalnunsanga, AE (SLDC)	Mizoram	09436144651
13.	Sh. Dharani.k. Singh, AE	Manipur	09612159347
14.	Sh. Kartik Singh, AE	Manipur	09612478119
15.	Sh. Kasho Chishi, EE	Nagaland	09436005430
16.	Sh. Asangba Tikhir, SDO	Nagaland	08974363552
17.	Smt. Shampa Sen, Sr. Mgr, SLDC,	Tripura	09436120263
18.	Sh. Mrinal Paul, Mgr.	Tripura	09436137022
19.	Sh. T.S. Singh, AGM	NERLDC	09436302717
20.	Sh. N.R. Paul, DGM	NERLDC	09436302723
21.	Sh. B. Medhi, Sr. Engineer.	NERLDC	09436335376
22.	Sh Anupam Kumar, Engineer.	NERLDC	09436335379
23.	Sh. D.K. Sarma, GM	NERTS	09436302821
24.	Sh. P. Kanungo, CM.	NERTS	09436302823
25.	Sh. B.K. Chakravarty, DGM	NEEPCO	09436309730
26.	Sh. B. Goswami, Sr. Manager	NEEPCO	09436163983
27.	Sh. Mohan Kumar, Sr. Manager	NEEPCO	09436225093
28.	Sh. Joypal R.Y, Sr. Manager	NEEPCO	09435577726
29.	Sh. I.S. Longchar, Asstt. Mgr.	NEEPCO	09436264837
30.	Sh. C.L. Khayuingam, Asstt. Mgr.	NHPC	09402880207
31.	Sh. G.K. Singh, Engr.	NHPC	09402880211
32.	Sh. B.K. Jain, Member Secretary	NERPC	09436706436
33.	Sh. P.D. Siwal, SE (O)	NERPC	09436998378
34.	Sh.B. Lyngkhoi, AS	NERPC	09436163419
35.	Sh. D.K. Bauri, EE	NERPC	09863317236

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