



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

Ph. No 0364 -2520050

Fax No : 0364 - 2520030

No. NERPC/AS/OCC/2012/5268-5300

Date: 19th March, 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 71st OCC Meeting held on 12th March, 2012 at Guwahati.

The Minutes of the 71st OCC Meeting of NERPC held on 12.03.2012 at "NEEPCO Bhawan, Conference Hall", R.G. Baroah Road, 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,

(A.K. Mishra)

Superintending Engineer (O)

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 71st

OPERATION COORDINATION SUB-COMMITTEE MEETING OF NERPC

Date : 12/03/2012 (Monday)

Time : 10:30 hrs

Venue : "NEEPCO Bhawan Conference Hall," Guwahati.

The List of Participants in the 71st OCC Meeting is attached at **Annexure - I**

Shri M.S. Jyrwa, Executive Director, NEEPCO welcomed all the participants to the 71st OCC meeting. He thanked NERPC for giving the opportunity to host the 71st OCC meeting and requested all the members to actively participate in the meeting for fruitful outcome. Thereafter, he requested Member Secretary (IC) to proceed with the meeting.

Shri P.D. Siwal, Member Secretary I/C, NERPC also welcomed all the participants to the 71st OCC and thanked NEEPCO for hosting the meeting at Guwahati. He briefed about the power scenario during the month of February, 2012. Further, he mentioned that there was no major grid disturbance during the month of February, 2012 and all the grid parameters were within the IEGC band.

Thereafter, Member Secretary I/C requested Shri A.K. Mishra, S. E (O), NERPC to take up the agenda items for discussion.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 70th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

SE, NERPC mentioned that the minutes of the 70th OCC meeting held on 8th February, 2012 at Agartala were circulated vide letter No. NERPC/AS/OCC/2012/4730- 62 dated 16th February, 2012.

No observations or comments were received from any of the constituents. The minutes of 70th OCC meeting was confirmed.

SE, NERPC requested NERLDC to give their presentation about the grid performance during the month of February, 2012.

ITEMS FOR DISCUSSION

B. 1 OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING FEBRUARY, 12

The grid performance parameters for the month of February, 2012 as presented by NERLDC during the meeting are given below:

- i) **Average frequency** during February, 2012 was 49.84 Hz, as compared to 49.84 Hz in January, 2012.
- ii) **Minimum frequency** in February, 2012 was 49.05 Hz (27.02.12 at 06:54 hrs) as compared to 48.99 Hz recorded in the previous month.
- iii) **Maximum frequency** was 50.54 Hz (16.02.12 at 18:11 hrs), as compared to 50.84 Hz in January, 2012.
- iv) **System frequency** remained within permissible range of 49.5 Hz to 50.2 Hz for 95.34 % of the time, below 49.5 Hz for 2.89 % and above 50.2 Hz for 1.77% of the time as compared to 89.66 %, 5.23 % and 5.11% respectively in the previous month.
- v) **Regional peak** demand in February, 2012 was 1813 MW as compared to 1699 MW in January, 2012, an increase of 6.71% over the previous month.
- vi) **Energy requirement** was 837.59 MUs in February, 2012 compared to 907.29 MUs in January, 2012, a decrease of 7.68 % over the previous month.
- vii) **Regional energy availability** in February, 2012 was 744.43 MUs compared to 820.33 MUs in the previous month, a decrease of 9.25 % over the previous month.
- viii) **Rise in demand met** was recorded in Mizoram (4.11%) over the previous month.
- ix) **Drop in demand met** was recorded in Ar. Pradesh (9.38%), Meghalaya (4.49%), Nagaland (2.94%), Tripura (1.79%) & Assam (0.73%) over the previous month viz. December, 2011.
- x) **Over Voltages** at 400 kV substations were observed at Misa, Bongaigaon and Balipara, where maximum voltage observed were 431 kV, 425 kV and 425 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. Under voltages observed at 132 kV S/S at Aizawl & Haflong where voltages recorded were 121 kV each.

xiii) **Regional Generation & Inter-regional Exchanges** during the month of February, 2012 compared to January, 2012 are given below:

SN	Parameter	February, 2012	January, 2012
REGIONAL GENERATION & INTER - REGIONAL EXCHANGES (in MU)			
1	Total Generation in NER (Gross)	502.953	579.450
2	Total Central Sector Generation in NER (Gross)	270.280	323.929
3	Inter-Regional Energy Exchanges		
	(a) NER - ER	2.16	2.32
	(b) ER - NER	274.21	279.24
	(c) Net Import	272.05	276.92

During the presentation of NERLDC, it was observed that voltage at 400kV level in Misa, Balipara & Bongaigon substation exceeds operating range of IEGC and CEA Grid code; even after installation of reactor at Balipara as recommended by RPC. CM, POWERGRID enquired about the improvement in system voltage after installation of reactor at Balipara and NERLDC informed that there is improvement.

The OCC Sub-committee requested NERLDC and POWERGRID to find out the cause of overvoltage at above substations and requested for carrying out system studies to evaluate the requirement of additional reactors.

The Sub-committee noted as above.

FOLLOW UP ACTION

C. 1 Installation of new Under Frequency Relays (UFRs) in NER systems and constituent-wise quantum of load relief as recommended by the sub-committee:

The sub-committee enquired about present status of installation of UFRs in NER and requested all constituents to inform/update the committee in the next OCC meeting about the status of installation of UFRs, to check the settings and to certify satisfactory operation of UFRs.

The sub-Committee noted as above.

C. 2 Feasibility Report for 132 KV Ranganadi – Nirjuli Line:

POWERGRID informed that their SEF Department has cleared the proposal and the same has been sent to Engineering Division to study technical feasibility of converting the existing 132 KV Ranganadi – Nirjuli line to double circuit or requirement of construction of a new circuit from Ranganadi to Nirjuli. The status would be intimated in the next OCC meeting.

The Sub-committee noted as above.

C. 3 Non-utilization of transfer facility at Khandong HEP:

The issue regarding Non-utilization of transfer facility at Khandong HEP has been discussed in detail and the Sub-committee has advised both POWERGRID and NEEPCO to resolve the matter bilaterally as agreed by them in the last NERPC meeting. Both POWERGRID & NEEPCO agreed to discuss and sort out the matter.

The Sub-committee noted as above.

C. 4 Implementation of Single-Phase Auto-Reclosure (SPAR) scheme for Transmission Lines:

The OCC Sub-committee reviewed the issue pertaining to SPAR and the status as indicated during the 70th OCC meeting are given below:

SN	Name of the Line	Ownership	Status as given on 70 th OCC meeting.
1	220kV Kopili - Misa # I & II	KHEP, NEEPCO	March, 2012
2	220kV Salakati – BTPS - I & II	BTPS, AEGCL	March, 2012
3	220kV Balipara – Samaguri	Samaguri, AEGCL	One year
4	132kV Khandong – Haflong	KHEP, NEEPCO	Order for CBs have been placed and the work is likely to be completed by June, 2012
5	132kV Khandong – Kopili	KHEP, NEEPCO	
6	132kV Loktak - Jiribam # II	Loktak, NHPC	Completed
7	132kV Ranganadi- Ziro	RHEP, NEEPCO	*

*During the 69th OCC meeting, NEEPCO expressed their unwillingness to replace the CBs at their ends as these 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 had requested Ar. Pradesh to look into the matter and communicate their decision 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.

Accordingly, NERPC, vide their letter dated 30.01.2012, had written to the Secretary (Power), Govt. of Arunachal Pradesh to look into the matter at the earliest and intimate NERPC Secretariat about their action plan on this matter. No communication has been received so far from Govt. of Arunachal Pradesh.

EE, SLDC, Dept. of Power, Arunachal Pradesh informed that they would not procure the above CBs from NEEPCO. However, the issue will be discussed again in the next OCC .

The Sub-committee noted as above.

C. 5 Installation of Harmonic filters:

During the 69th OCC meeting 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 with the statement and requested Dept. of Power, Govt. of Arunachal Pradesh to furnish the certificate received from Statutory Officials so that further action would be taken up by POWERGRID.

Ar. Pradesh agreed.

The Committee noted as above.

C. 6 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. Thereafter, in the 69th OCC meeting they informed that work would be completed by February, 2012.

CM, POWERGRID informed that fatal accident had occurred during the stringing of conductor and hence the work got delayed. The erection of tower was taken up with spare tower borrowed from Meghalaya. But some of the members of towers were missing. Once the members are fabricated and reach the site, POWERGRID

would request for shutdown of above line. However, he assured that efforts are being taken by POWERGRID to complete the work at the earliest.

The Committee advised POWERGRID to intimate in advance the proposal of shutdown of above line so that constituents can plan accordingly.

C. 7 Restoration of LILO of 132 KV Dimapur (Nagaland) – Kohima (Nagaland) line at 220/132 KV Dimapur (PG) S/S.

EE, Dept. of Power, Nagaland informed that request for shutdown on 28.03.2012 has been received from POWERGRID to carry out LILO work at Dimapur substation and POWERGRID would be intimated after getting the approval from competent authority.

The Committee noted as above.

C. 8 VSAT Communication:

NERLDC informed that VSAT equipments have already been delivered at their respective sites; testing and commissioning is under progress. The commissioning schedule of the VSAT equipment in Arunachal Pradesh, Manipur, Mizoram and Nagaland is on 15th March, 2012. For utilization of the VSAT system, the above constituents were requested to provide Fax machine & PC with Uninterrupted Power Supply (UPS).

Manipur & Nagaland informed that they would provide the fax machine, PC & UPS.

NERLDC further informed that due to some technical problems; testing and commissioning may not be completed as specified above i.e. 15.03.2012. Once the VSAT system is commissioned they would again request the constituents to pay the usage charges.

The Committee noted as above.

C. 9 Demand for Assam & Arunachal Pradesh:

NERLDC informed that demand of state for Assam & Arunachal Pradesh – (area wise demand & for others – total demand), Generation Pattern of States, Generation Pattern of ISGS, Outage Planning of transmission elements, outage planning of generation elements for fifth month i.e. June, 12 is necessary. These information are required for calculation of TTC/ATC to facilitate STOA.

Assam informed that they have already taken the initiative to furnish the data at the earliest, but since the data are to be provided by Generating Division; they requested NERLDC to write directly to their generating utilities for early compliance.

The Committee requested NERLDC to send reminder to all the constituents and request generating utilities of Assam, Meghalaya & Tripura to furnish the above information at the earliest.

C. 10 Machine Data for Dynamic Simulation for NER Power System :

NERLDC informed that during the 69th OCC meeting, they have intimated that they would undertake dynamic study of NER system is required for ensuring security and stability of the grid. For this purpose, technical data of all generating units are urgently required (especially Assam, Meghalaya & Tripura & ISGS). Accordingly, NERLDC had circulated the proforma during the meeting and requested all the constituents to submit the relevant information by January, 2012, but none of the constituents have submitted the **information**, except Tripura.

The Committee requested NERLDC to send reminder to all the constituents along with the proforma as some of the constituents have not received the above proforma.

C. 11 Draft Report covering Black Start & Restoration Procedure of NER:

NERLDC informed that since no comments or observations were received before 17th February, 2012 the Draft report of above was finalized.

The Committee requested POWERGRID to incorporate block diagrams and line diagrams etc., wherever required, in subsequent revision to make it easier to understand/interpret.

C. 12 Looping arrangement of 132 KV Balipara – Ranganadi - Nirjuli – Gohpur - Balipara.

NERLDC informed that most of the time 132kV Balipara – Gohpur line remains open and under lean hydro condition the power to Gohpur is fed through 132 kV Balipara – Ranganadi - Nirjuli – Gohpur route. In case of exigency, for closing of 132kV Balipara – Gohpur line, without disconnecting any sections of 132 kV Balipara – Ranganadi - Nirjuli – Gohpur line, the phase sequence at Gohpur needs

to be checked. For the benefit of the grid, Balipara looping arrangement should be tested at a suitable time in consultation with NERLDC. AEGCL was requested to check the phase sequence of Balipara – Gohpur line at Gohpur.

Assam informed that the date for test synchronization (phase sequence) of the above line has been fixed for 28.03.2012 in consultation with NERLDC. The status would be intimated in the next OCC meeting.

The Committee noted as above.

C. 13 Transformer Tap Optimization required to operate the system within permissible voltage limit

NERLDC informed that transformer data are required to carry out system study for operating the system within permissible voltage limit. Further, the format for furnishing relevant transformer data was distributed by NERLDC long back and it was requested to furnish the relevant data by February, 2012.

No constituents had furnished the relevant information so far except Tripura, POWERGRID & NHPC.

All the constituents have agreed that they would furnish the required information by March, 2012.

The Sub-committee noted as above.

C. 14 DCD faulty at 79 Tilla, GSS.

Tripura informed that the faulty DCD has been rectified by POWERGRID.

The Sub-committee noted as above.

C. 15 Double pole center break type isolator at R.C. Nagar I & II.

Tripura informed that 6 (six) Nos. "Double pole center break" type line isolators & auxiliary bus isolators connected at R.C. Nagar Line I & II bays at 79 Tilla Grid S/S belong to POWERGRID. Out of these, 3 (three) Nos. are fully out of order & 3 (three) others are not functioning properly, even 'Earth Switches' were also non-functioning. The issue has already been taken up with POWERGRID and the same has been inspected by them. Tripura requested POWERGRID to look into the matter at the earliest.

POWERGRID informed that they have inspected the site and restoration of Isolators would be carried out at the earliest. The status would be intimated in the

next OCC meeting.

The Sub-committee noted as above.

C. 16 Load Generation Balanced Report (LGRB) for 2012-13.

NERPC informed that the Load Generation Balance Report (LGBR) is to be prepared by the end of March, 2012. During last 69th OCC meeting the format for demand / generation forecast was circulated to all constituents. No response has been received from any of the constituents so far in this regard. It is difficult to prepare LGBR in absence of above information. Constituents are again requested to furnish the required information, if not submitted so far.

All the constituents agreed to furnish the relevant data before 31st March, 2012.

The Sub-committee noted as above.

D. NEW ITEMS

D. 1 Deviation of approved shutdown.

NERPC informed that it has been observed that shutdown of Transmission lines or Generating stations are not being adhered to as per shutdown proposal approved by the OCC Sub-committee. In order to make the grid secure as well as to avoid un-necessary problems to the affected states, no shutdown should be re-scheduled once approved by the OCC Sub-committee (except on emergency). **In case any deviation from the approved shutdown, the period for which the transmission lines remains out of service, will not be treated as deemed available.** The outage hours will be attributed to the concern utility.

POWERGRID was also requested to inform the affected state in case shutdown is deviated from the approved one at least 3 (three) days in advance for proper planning by the respective state.

CM, POWERGRID enquired about the status in case of emergency shutdown. NERPC informed that emergency case will be treated separately and NERPC can condone the deviation in consultation with constituents. But in other cases, POWERGRID should give full justification in case of any deviation.

The Sub-committee noted as above.

D. 2 RTU & SEM Locations in NER.

NERPC informed that the details of RTU locations (based on the approval of RPC), list of interstate transmission lines, locations of SEM in various transmission lines along with associated CT & PT ratios, Sl. No, Make etc. should be made available in the website of NERLDC as followed in other regions. These information would help the constituents.

NERLDC agreed for putting these information in their web site.

The Sub-committee noted as above.

D. 3 Powermap & Single Line Diagram (SLD) in NER.

NERPC requested all Constituents, particularly SLDCs, to submit the latest / updated Powermap (showing geographical location of substations, generating stations and interconnecting lines) & SLD of their state covering 33kV and above voltage level.

All the constituents agree to furnish the above Powermap & SLDC to NERPC Secretariat.

The Sub-committee noted as above.

D. 4 Start up Power for Pallatana GBPP.

During the 70th OCC meeting held on 08.02.2012 at Agartala, Director (T), TSECL informed that OTPC had requested TSECL to provide the start up power from Udaipur (Banduar S/S) to Pallatana GBP to the tune of 15 MW. Arrangement of above start up power especially during the ongoing lean period has to be discussed.

Tripura stated that during lean season, NERLDC has not allowed Tripura to draw more than 35 MW due to constraints in 132 KV pocket, whereas the demand has gone up day by day and now it is touching 220 MW regularly. Hence arrangement of extra power to Pallatana for startup power is very difficult.

The Sub-committee enquired if start up power can be extended to Pallatana during the off-peak period. Tripura stated that the matter has to be discussed with competent authority and the decision would be intimated in the next OCC meeting.

The Sub-committee noted as above.

D. 5 State-wise anticipated peak demand/requirement, shortage for March, April, May, June & July, 2012.

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

A. Peak Demand

S.No.	State	Peak Demand (MW) Mar' 12	Peak Demand (MW) Apr' 12	Peak Demand (MW) May' 12	Peak Demand (MW) Jun' 12	Peak Demand (MW) Jul' 12
1	Ar. Pradesh	105	110	110	110	110
2	Assam	1020	1000	1050	1070	1100
3	Manipur	110	100	100	105	110
4	Meghalaya	265	260	260	270	270
5	Mizoram	75	70	70	70	70
6	Nagaland	110	105	105	100	105
7	Tripura	200	210	220	220	225
	Region	1835	1835	1905	1945	1990

B. Peak Availability

S.No.	State	Peak Availability (MW) Mar' 12	Peak Availability (MW) Apr' 12	Peak Availability (MW) May' 12	Peak Availability (MW) Jun' 12	Peak Availability (MW) Jul' 12
1	Ar. Pradesh	75	70	65	95	100
2	Assam	850	800	800	900	950
3	Manipur	75	70	70	80	90
4	Meghalaya	200	190	185	195	200
5	Mizoram	45	45	40	50	60
6	Nagaland	80	75	70	80	85
7	Tripura	135	130	120	140	150
	Region	1460	1380	1350	1540	1635

The Committee noted as above.

D. 6 Generation Planning (ongoing and planned outages)

The daily availability for hydro stations as given in the meeting is given below.

Khandong –	0.135 MU
Kopilli –	0.640 MU
Ranganadi -	(subject to inflow)
Doyang –	0.156 MU
Loktak -	0.300 MU

The Sub-committee discussed the shutdown proposal of NEEPCO with various constituents and approved the same with certain modifications as desired by constituents. The same is enclosed at **Annexure – D.6.**

The Sub-committee noted as above.

D. 7 Outage Planning Transmission elements

The Sub-committee **discussed** the shutdown proposal of POWERGRID & Assam with various constituents **and approved** the programme of transmission line outages for March/April, 2012 with certain modifications as desired by constituents. The same is enclosed at **Annexure – D.7.**

The Sub-committee noted as above.

D. 8 Estimated Transmission Availability Certificate (TAC) for the month of January, 2012.

The Final TAC for the month of January, 2012 has not been issued by NERPC as the data are yet to be received from POWERGRID.

The Estimated Transmission/System Availability for the month of February, 2012 furnished by PGCIL is **99.9891 %** as per details at **Annexure D. 8.** NER constituents were requested to give their comments and observations, if any, by 27th March, 2012 so that Final TAC for the month of February, 2012 can be issued.

The sub-Committee noted as above.

D. 9 Major grid disturbances in the previous month (February, 2012)

There was no major grid disturbance during the month of February, 2012

The sub-Committee noted as above.

D. 10 Additional items

i). System Operator Certification: DGM, NERLDC informed that PSTI has again requested for all the interest officers from the region to register on line for system operator certification as done in previous batches.

The sub-Committee noted as above.

ii). The NERPC highlighted the latest amendments in IEGC regarding LGBR, outage plan etc. Some of the amendments in IEGC are as follows.

Sub-Regulation (a) of the Regulation 5.7.4 of Principal Regulation(IEGC)

"The RPC Secretariat shall be primarily responsible for finalization of the Annual Load Generation Balance Report (LGBR) and the annual outage plan for the following financial year by 31st December of each year. The LGBR shall be prepared by the respective RPC secretariat for peak as well as off-peak scenario"

Sub-Regulation (c) of the Regulation 5.7.4 of Principal Regulation(IEGC)

"(c) RPC Secretariat shall compile LGBR for peak as well as off peak scenario and also prepare annual outage plan in the respective region. RPC Secretariat shall then come out with the draft LGBR and draft outage plan for the next financial year by 30th November of each year for the regional grid taking into account the utilization of available resources in an optimal manner and to maintain security standards. This will be done after carrying out necessary system studies and, if necessary, the outage plan shall be rescheduled and LGBR shall be modified, accordingly. Adequate balance between generation and load requirement shall be ensured while finalising outage plan. The draft LGBR and draft outage plan shall be uploaded by the RPCs on their websites."

Sub-Regulation (d) of the Regulation 5.7.4 of Principal Regulation(IEGC)

"(d) The outage plan shall be finalized in consultation with NLDC and RLDCs. The final LGBR after considering comments / observations of the stakeholders shall be prepared by RPC secretariat by 31st December of each year. The final outage plan and the final LGBR shall be intimated to NLDC, Users, STUs, CTU, other generating stations connected to the ISTS and the RLDC by 31st December of each year for implementation. The final outage plan and the final LGBR shall be made available on the websites of the respective utilities and on the websites of RPCs, RLDCs and NLDC."

All the constituents were requested to go through the latest amendments in IEGC and also to furnish the relevant information for preparation of LGBR and annual outage plan within the timeframe stipulated in the regulation. It was also proposed to form a committee, if required, for preparation of LGBR.

The sub-Committee noted as above.

D. 11 Date & Venue of next OCC meeting

It is proposed to hold the 72nd OCC meeting of NERPC on 10th April, 2012 (Tuesday). As per roster NHPC would be the host for 72nd OCC meeting.

NHPC informed that the venue would be intimated soon to NERPC Secretariat.

The meeting ended with thanks to the Chair.

Annexure-I

List of Participants in the 71st OCC meeting held on 12/03/2012

SN	Name & Designation	Organization	Contact No.
1.	Sh. W. Rehman, EE, SL&C	Ar. Pradesh	09436050735
2.	Sh. K.K. Das, DGM, LD&C	Assam	09435182116
3.	Sh. A.K. Saikia AGM, LD&C	Assam	09864116176
4.	Sh. T. Gidon, AEE, SLDC	Meghalaya	
5.	Sh. Javed Warjri, AEE, SLDC	Meghalaya	09856012700
6.	Sh. Saphnenzova, EE, SLDC	Mizoram	09862626299
7.	Sh. H. Lalnunsanga, AE, SLDC	Mizoram	09436144651
8.	Sh. Y.Chandramani Singh, AE	Manipur	09862569951
9.	Sh. Bendang Longkumer, EE, SLDC	Nagaland	09436004642
10.	Sh. B. Debbarma, DGM (SO)	Tripura	09436450501
11.	Sh. Debrata Paul, Sr. Manager	Tripura	09436500244
12.	Sh. N.R. Paul, DGM	NERLDC	09436302723
13.	Sh Anupam, Engineer.	NERLDC	09436335379
14.	Sh. P. Kanungo, CM. (SO)	NERTS	09436302823
15.	Sh. M. Madhavanand, DM (OS)	NERTS	09436335250
16.	Sh. M.S. Jyrwa, Executive Director	NEEPCO	
17.	Sh. B. Goswami, Sr. Mgr. (O&M)	NEEPCO	09436163983
18.	Sh. Aroop Sharma, Sr. Mgr. (Coml)	NEEPCO	09436304964
19.	Sh. D. Goswami, Sr. Mgr.	NEEPCO	09435577655
20.	Sh. J. Das, Sr. Mgr.	NEEPCO	09862040423
21.	Sh. Amit Das, Manager	NEEPCO	09435566542
22.	Sh. L. Kalita, Manager	NEEPCO	09854774598
23.	Sh. R. C. Singh, Manager	NHPC	09436894889
24.	Sh. T. Nimai Singh, Manager	NHPC	09436894868
25.	Sh. P.D. Siwal, MS IC	NERPC	09436998378
26.	Sh. A.K. Mishra, SE (O)	NERPC	09402134275
27.	Sh. S.K.Ray Mohapatra, SE (Coml)	NERPC	09818527857
28.	Sh.B. Lyngkhoi, AS	NERPC	09436163419

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Approved Shut down of NEEPCO Units during the 71st OCC Meeting

S.No.	Unit No:	From	To	No. of days	Reason
1.	KOPILI U#II	14.03.2012	02.04.2012	20 days	APM
2.	KOPILI U#IV	03.04.2012	22.04.2012	20 days	APM
3.	Khandong U# II	15.03.2012	29.04.2012	45 days	APM
4.	Khandong Complete S/D	15.03.2012	24.03.2012	10 days	WCS work
5.	DHEP U # 2	15.03.2012	10.04.2012	25 days	APM
6.	DHEP Complete S/D	01.04.2012	10.04.2012	10 days	Changing of MIV door seal.

Note: I). Shutdown of Kopili Unit #IV is permitted only when Kopili Unit # II is brought back in service to the grid. Availability of power in Kopili Power Station during the period of shutdown of any one unit above is 99 MW.

II) Unit # I of Khandong Power Station is already under shutdown for APM from 08.02.2012 and scheduled to be completed by 24.03.2012. The overlapping of shutdown of Khandong units # I&II would be from 15.03.2012 to 24.03.2012 for carrying out repairing works at water conductor system which is common for both unit #I & II.

DHEP – Doyang HEP

The OCC Sub-Committee has requested NEEPCO to complete the above APM works within the stipulated time approved by the OCC.

APPROVED SHUTDOWN IN 71st OCC MEETING FOR THE MONTH OF MARCH & APRIL-12**1.TRANSMISSION LINES**

SN	Name of Transmission Line	Date	Time	Purpose	Areas/Feeders affected
1	132KV Panchgram(AEGCL) - Khliehriat(MeECL)	13.03.12 to 16.03.12	08:00 to 16:00 Hrs	Shutdown is required to facilitate stringing activities of 400KV Silchar-Bongaigaon line (under construction) under Associated Transmission system of Pallatana GBPP.	132KV Panchgram(AEGCL) - Khliehriat(MeECL)
2	132KV Badarpur - Jiribam	25.03.12 to 28.03.12	08:00 to 16:00 Hrs		132KV Badarpur - Jiribam
3	220 KV BTPS - Salakati - I	21.03.12 to 24.03.12	08:00 to 16:00 Hrs		220 KV BTPS - Salakati - I
4	220kV BTPS - Salakati - II	21.03.12 to 24.03.12	08:00 to 16:00 Hrs	Shutdown is required to facilitate stringing activities of 400KV Bongaigaon - BTPS (NTPC) line (under construction) under Associated Transmission system of Pallatana GBPP.	220KV BTPS - Salakati - II
5	132KV BTPS - Dhaligaon	25.03.12 to 29.03.12	08:00 to 16:00 Hrs		132KV BTPS - Dhaligaon
6	132KV Aizawl - Kumarghat	22.03.12 to 24.03.12	08:00 to 16:00 Hrs	Shutdown is required to facilitate stringing activities of 400KV Pallatana-Silchar line (under construction) under	132KV Aizawl - Kumarghat
7	132KV R C Nagar - Kumarghat	01.04.12 to 03.04.12	Continuous S/D from 8:00Hrs(01.04.12) to 16:00Hrs(03.04.12)	Shutdown is required to facilitate stringing activities of 400KV Pallatana-Silchar line (under construction) under Associated Transmission system of Pallatana GBPP.	132KV R C Nagar - Kumarghat
8	132KV Khandong - Haflong	04.04.2012 to 10.04.2012	Continuous S/D from 8:00Hrs(04.04.12) to 16:00Hrs(10.04.12)	To facilitate Shifting of sinking loc.34	132KV Khandong - Haflong
9	132KV Panchgram - Dullavcherra	17.03.12 to 20.03.12	08:00 to 16:00 Hrs	Shutdown is required to facilitate stringing activities of 132KV D/C Srokinia-Badarpur line (under construction) under Associated Transmission system of Pallatana GBPP.	132KV Panchgram - Dullavcherra
10	132 KV Badarpur - Kolasib	17.03.12 to 20.03.12	08:00 to 16:00 Hrs		132 KV Badarpur - Kolasib
11	400 KV Balipara - Bongaigaon - I	05.04.12 to 12.04.12	Continuous S/D from 8:00Hrs(05.04.12) to 16:00Hrs(12.04.12)	Shutdown required to facilitate shifting of loc.208-loc.211 of the line necessitated as a result of Railway Track Gauge Conversion being carried out by Indian Railways. The Diversion work shall involve shifting of the conductors from existing towers to ERS & then from ERS to newly constructed	400 KV Balipara - Bongaigaon - I
12	400 KV Balipara - Bongaigaon - II	25.03.12 to 04.04.12	Continuous S/D from 8:00Hrs(25.03.12) to 16:00Hrs(04.04.12)		400 KV Balipara - Bongaigaon - II
13	132 KV Dimapur - Doyang - I	i)19.03.12 to 20.03.12 ii) 21.03.12	i)Continuous S/Dfrom 8:00Hrs(19.03.12) to 16:00Hrs(20.03.12) ii)Daytime S/D(8:00 to 16:00 Hrs) on 21.03.12	Shut down required to shift conductors from the existing vulnerable Loc 44 to new loc.	132 KV Dimapur - Doyang - I
14	132 KV Dimapur - Doyang - II	i)17.03.12 to 18.03.12 ii) 21.03.12	i)Continuous S/Dfrom 8:00Hrs(17.03.12) to 16:00Hrs(18.03.12) ii) daytime S/D(8:00 to 16:00 Hrs) on 21.03.12		132 KV Dimapur - Doyang - II
15	132KV Dullavcherra-Dharmanager	15.03.2012 & 16.03.12	Continuous S/D from 8:00Hrs(15.03.12) to 16:00Hrs(16.03.12)	Shutdown is required to facilitate stringing activities of 400KV Pallatana-Silchar line (under construction) under Associated Transmission system of Pallatana GBPP.	132KV Dullavcherra-Dharmanager

2. SUBSTATION

SN	Name of Substation	Date	Time		Areas/Feeders affected
1	400KV Bus Reactor at Misa S/S	13.03.12 to 14.03.12	Continuous Shutdown(8:00 Hrs of 13.03.12 to 16:00 Hrs of 14.03.12)	Shutdown required to facilitate: i) Erection of new Circuit Breaker & Isolator in connection with installation of new 315MVA ICT under Kameng HEP ii) Replacement of existing 390KV LAs with 336KV LAs in view of change in design parameters	400KV Bus Reactor at Misa S/S
2	220 kV Samaguri-I bay at Misa S/S	14.03.12 and 10.04.12 to 11.04.12	08:00 to 16:00 Hrs	Shut down is required for retrofitting of Obsolate TELK make CB with new Areva make CB	220 kKV Misa - Samaguri - I Line
3	132KV Imphal(DOP, Manipur) Bay at Imphal S/S	16.03.12	08:00 to 16:00 Hrs	Shut down required for replacement of defective Y-ph LA	132 kV Imphal - Imphal
4	160MVA 220/132 KV ICT at Kopili HEP	Deferred to next OCC meeting		Shutdown required for Installation of Nitrogen Pressurized Fire Protection System	
5	100MVA 220/132 ICT-II at Dimapur S/s(PG)	11.03.2012	08:00 to 16:00 Hrs		100MVA 220/132 ICT-II at Dimapur S/s(PG)