

North Eastern Regional Power Committee

Agenda

For

109th OCC Sub-Committee Meeting

Time of meeting : 10:00 Hrs.

Date of meeting : 20th May, 2015 (Wednesday)

Venue : "Hotel Pragati Manor", Guwahati.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 108th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

The minutes of 108th meeting of Operation Sub-committee held on 23rd April, 2015 at Guwahati were circulated vide letter No. NERPC/SE (O)/OCC/2015/4556-4591 dated 06th May, 2015.

Amendment (to be recorded):

During the 108th OCC meeting, Mizoram informed that in many instances, shutdown taken by POWERGRID was not restored in time and because of transmission constraints- they are forced to pay DSM and faced the public anger which is not their fault at all. They requested the sub-committee to look into the matter.

The Sub-committee directed all the agency who is availing the shutdown to intimate to NERPC/NERLDC atleast 2 (two) hours in advance in case the shutdown cannot be restored as per approved shutdown time, so that the same can be intimated to the affected State for necessary action. The matter was viewed seriously by the sub-committee and all the agencies should strictly adhere to the timing and period granted by the OCC Sub-committee and the reason of non-completion the work in time has to be furnished to NERPC/NERLDC with proper justification.

Since no other observations or comments were received from any of the constituents. The Sub-committee may discuss & confirm minutes of 108th OCCM of NERPC.

ITEMS FOR DISCUSSION

B. OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING APR, 2015

As per the data made available by NERLDC, the grid performance parameters for April, 2015 are given below:

NER PERFORMANCE DURING APRIL, 2015

States	Energy Met (MU)		% inc(+)/dec(-)	Energy Reqr. (MU)		% inc(+)/dec(-)
	Apr-15	Mar-15		Apr-15	Mar-15	
Ar. Pradesh	35	47	-25.2	37	48	-24.2
Assam	582	656	-11.2	629	688	-8.5
Manipur	52	58	-11.2	56	60	-6.7
Meghalaya	129	149	-13.4	143	181	-20.8
Mizoram	31	37	-15.7	33	38	-14.0
Nagaland	52	65	-20.4	54	67	-20.0
Tripura	79	85	-7.0	86	88	-3.1
Region	959	1096	-12.5	1037	1170	-11.4

States	Demand Met (MW)		% inc(+)/dec(-)	Demand in (MW)		% inc(+)/dec(-)
	Apr-15	Mar-15		Apr-15	Mar-15	
Ar. Pradesh	114	107	6.5	138	120	15.0
Assam	1282	1215	5.5	1395	1320	5.7
Manipur	148	146	1.4	150	148	1.4
Meghalaya	312	343	-9.0	400	360	11.1
Mizoram	80	81	-1.2	85	84	1.2
Nagaland	112	128	-12.5	120	130	-7.7
Tripura	238	233	2.1	265	260	1.9
Region	2114	2131	-0.8	2220	2403	-7.6

REGIONAL GENERATION & INTER-REGIONAL EXCHANGE IN MU

Month---->	Apr-15	Mar-15
Total Generation in NER (Gross)	773	813
Total Central Sector Generation (Gross)	527	580
Total State Sector Generation (Gross)	246	233
Inter-Regional Energy Exchange		
(a) NER-ER	10.63	14.50
(b) ER-NER	244.10	342.85
© Net Import	233.47	328.35

AVERAGE FREQUENCY (Hz)

Month---->	Apr-15	Mar-15
	% of Time	% of Time
Below 49.9 Hz	14.86	16.04
Between 49.9 to 50.05 Hz	60.24	59
Above 50.05 Hz	24.9	24.96
Average	49.96	49.99
Maximum	50.55	50.54
Minimum	49.5	49.52

From the above table, it is seen that energy requirement met (MU) and energy requirement of the region has increased considerably from the previous month.

C.1 Synchronization of Palatana Module -I

During 107th OCC meeting, representative from OTPC informed that CoD of Unit-II is expected to be commissioned by March, 2015.

The Sub-committee would like to review the status of commissioning of first unit of NTPC at Bongaigoan, STG -I&II of AGTPP, Monarchak GBPP of NEEPCO and following Transmission lines of POWERGRID. The status as informed by OTPC, NTPC, Assam and POWERGRID is as follows:

SN	Items	Status as given in 108 th OCC Meeting	Status as on 109 th OCC
1	Trial operation and CoD of Unit -II of Pallatana GBPP Station of OTPC	CoD of Unit #II was completed on 24.03.15	
2	Trial operation and CoD of Unit -I of Bongaigoan TPS of NTPC	Expected Date for Synchronization of Unit -# I by 31 st May, 2015. COD is expected by November, 2015	
3	Trial operation and CoD of STG -I & II of AGTPP of NEEPCO	COD for Unit II- May/June, 2015. STG-I trial run with one boiler is May, 2015.	
4	Trial operation and CoD of Monarchak GBPP of NEEPCO	Metering, telemetry, machine data completed, Connectivity agreement to be signed soon by Tripura. Synchronization depends upon availability of gas.	
5	400KV D/C Silchar - Melriat line of PGCIL	December, 2015	
6	220KV D/C Mariani (New) – Mokokchung of PGCIL	April, 2015	

Concerned constituents may kindly intimate the status.

C.2 Details of Installations and self-certification (by STUs and CTUs) in respect of operationalization of Under Frequency Relays (UFRs) in NER systems and additional requirement of UFR and df/dt relays:

The OCC regularly review the status of UFR based load shedding in the region. The latest status intimated during the 108th OCC meeting is given below: -

Assam, Manipur, Mizoram & Nagaland: UFRs based load shedding for 220MW & 20MW respectively have been implemented by both the States. However, UFR operation and amount of load relief reports are to be sent to NERLDC regularly. Assam & Nagaland agreed to do the needful and they have started sending regularly.

Arunachal Pradesh: EE, SLDC informed that UFRs based load shedding for 20MW have been implemented by them for all stages. Ar. Pradesh had furnished the list of feeders and stated that the report would be sent to NERLDC regularly. SE(O) requested Ar. Pradesh to inform the quantum of load relief in each UFR.

Meghalaya: UFRs based load shedding for Stages I, II & III completed. 4th stage implementation process is held up due to law and order problem in Garo Hills. Reports of UFR operations are sent regularly to NERLDC.

Tripura: UFRs based load shedding for Stages I & II have been implemented. Tendering is done for Stages III & IV and M/s Alstom is awarded for implementation. It is expected to implement Stages III & IV by May, 2015.

Concerned constituents may kindly intimate the status.

C.3 CT Ratio of Transmission Lines in NER & Enhancement of Loadability of Lines:

During 107th OCC meeting, DGM, NERLDC informed that the list of feeders for enhancement of loadability and present CT ratio available with them and circulated with OCC minutes. He requested constituents to check the list and update the status pertaining to them and also to intimate about the terminal equipments if the load can carry as per the CT ratio.

During 108th OCC meeting, DGM (AM), NERTS stated that in order to comply to NRCE guidelines, constituents have to carry out patrolling on all lines and check the jumpers by using thermo vision instrument and also the terminal end equipments to find out whether the lines could carry the load as per the above guidelines.

After detailed deliberation, the Sub-committee has directed all the constituents to declare the loadability of all the lines pertaining to them and the data should be furnished to NERLDC/NERPC latest by 31.05.2015. Till submission of these data to NERLDC, NERLDC would use load-ability data as per prevailing practice.

Constituents may kindly intimate the status and members may deliberate.

C.4 Single Line Diagram of Sub-stations, Switching Stations & Power Stations of NER:

POWERGRID, OTPC, NHPC, NTPC & DoP, Arunachal Pradesh, MSPCL, P&E, Mizoram, MePTCL (**partially**), DoP, Nagaland, TSECL & NEEPCO (**partially**) have furnished.

Single Line Diagrams of some of the nodes of AEGCL have been collected from DPR for rectification of Protection System.

NEEPCO (**Khandong & Khupi**), AEGCL (**Bihaiting, BRPL, Ghoramari, HPC-Jagiroad, HPC-Panchgram, Star Cement & CALCOM**) and MePTCL (**CMCL, Hill Cement, Leshka, Nalari & Sai Prakash**) are requested to furnish Single Line Diagram of nodes as these diagrams are required for system studies, outage coordination etc.

Concerned constituents may kindly intimate the status.

C.5 Latest status of FGMO/RGMO implementation in different generating stations:

To update the available record of FGMO/RGMO implementation in NER it is requested that the latest unit-wise status of implementation of FGMO/RGMO in different Central & State sector generating stations may please be furnished to NERLDC at the earliest as per **Annexure – C.5**.

During 108th OCC meeting, Sr. Manager, NEEPCO informed that FGMO/RGMO as recorded in the special minutes held on 06.04.2015 will be reviewed by them once again before filing petition to CERC. The status will be intimated to NERPC/NERLDC at the earliest.

SE(O) requested Assam & Meghalaya to file petition to CERC pertaining to their generating units as decided in the sub-committee meeting of NERPC.

Members may like to discuss.

C.6 Submission of list of feeders connected to essential load:

As per clause no 5.8.c of IEGC, essential loads are to be restored on priority during restoration process.

AEGCL, Me. PTCL, P&E, Mizoram & TSECL have only furnished the list. All other states utilities of NER are requested to furnish list of feeders connected to essential load at the earliest.

During 108th OCC meeting, the sub-committee requested NERPC to write to Ar. Pradesh, Manipur, Mizoram & Nagaland to furnish the information before the next OCC meeting.

Accordingly, NERPC vide letter dated 06.05.2015 had written to all the concerned constituents and the information was received from Mizoram only,

Constituents may please update the above information.

C.7 Progress Report of Ongoing Projects:

Progress reports of ongoing generation and transmission projects of NER need to be communicated to NERLDC by all constituents on monthly basis as per format. The progress of different elements are necessary for incorporation in Operational Feedback and other reports as also for preparation of Base Case for system study in NER. Accordingly, constituents are requested to furnish the progress report of their elements by 10th of every month for the previous month.

NERPC vide letter dated 13.02.2015 had written to all concerned constituents followed by reminder letter on 06.05.2015 to furnish the status of ongoing projects to NERLDC at the earliest. Ar. Pradesh had furnished the above information.

NERLDC informed that information has now been received from **NTPC, NEEPCO, DOP, Arunachal Pradesh (detailed report not submitted), AEGCL, MSPCL, P&E, Mizoram & TSECL**. NERLDC requested the remaining constituents viz. POWERGRID, APGCL, MePTCL, MePGCL, DOP, Nagaland & NHPC to furnish the same at the earliest.

Constituents may kindly intimate the status.

C.8 Submission of formats for charging/first time synchronization of new elements:

Information related to charging/first time synchronization of new elements/units is to be furnished to NERLDC (two month in advance). All the activities related to charging/first time synchronization of new elements are to be completed before charging/first time synchronization of new elements. The technical data of the elements are also necessary for preparation of Base Case for system study for NER system.

During the 108th OCC meeting, the Sub-committee requested to intimate the Nodal Officer for above issue so that correspondence can be taken up with them directly. The name of Nodal Officer along with contact number is given below:

Constituent	Name of Nodal Officer	Contact No	Email id:
Ar. Pradesh	N. Perme, EE, SLDC	09436288643	sldcitnagar@gmail.com
Assam	B.C. Borah, DGM, LDC	09435119248	sldcaseb@rediffmail.com

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Manipur	L. Haokip, Manager	08575004401	l.haokip@mspdcl.com
Mizoram	Vanlalrema, SE, SLDC	09436140353	sldc_mizoram@rediffmail.com
Meghalaya	F.E. Kharshiing, SE, SLDC	09612170657	sldc.shg@gmail.com
	H.F. Shangpliang, EE, MRT	09863315562	hector_fd@rediffmail.com
Nagaland	Atoho Jakhalu, EE, SLDC	09436002696	atoho.jk@gmail.com
Tripura	Mrinal Pal, Manager	09436137022	mrinalpaulnit@gmail.com
NEEPCO	Bhaskar Goswami, Sr. Mgr	09436163983	pbhaskargoswami@yahoo.com
NHPC	R.C. Singh, Manager	09436894889	rcsloktak@yahoo.com
NERTS	Supriya Paul, Dy. Mgr.	09436302995	nerts_os@yahoo.in
	Deep Bhaumick, Engineer	09436335255	-do-
OTPC	Narendra Gupta, Manager	09774233426	nk.gupta@otpcindia.in
NTPC	J. Bhattacharyya, AGM(EMD)	09435720036	jayanbhattacharjee@ntpc.co.in
	G. K. Kundu, AGM(EEMG)	09401826314	

Further, NERLDC has informed that protection system of the element is to be checked & rectified in case of observance of any protection deficiency before charging/first time synchronization of new elements.

The sub-committee requested NERPC to hold the special meeting comprising of nodal officers of constituents, NERLDC & NERPC at the earliest so that the issues related to first time charging of transmission element and first time synchronization of generating unit can be resolved.

C.9 Assessment of Inter State Total Transfer Capability (TTC), Transmission Reliability Margin (TRM) and Available Transfer Capability (ATC) by SLDC on respective Inter-State Transmission Corridor:

As per Clause No. 4.1 of 'Detailed Procedure for Relieving Congestion in Real Time Operation', SLDC shall assess TTC, TRM and ATC on it's inter-state transmission corridor considering a mesh intra-state corridor for import or export of power with the Inter-state Transmission system (ISTS).

SLDCs of NER are requested to assess the above on monthly basis, 5 months in advance (eg: TTC/TRM/ATC for the month of November to be calculated by 15th of July), for further assessment of TTC, ATC and TRM of NER –ER corridor by NERLDC and for assessment of TTC / ATC for a group of control areas, individual control areas with the region and state-control-area to state-control-area by NERLDC, if required.

During 108th OCC meeting, DGM (SO-II), NERLDC stated that TTC/ATC data are being assessed by them on behalf of constituents and requested them to check the data and give their comments at the earliest. TTC of states under peak & off peak scenarios assessed by NERLDC are as follows:

Import Capability

S N	State	Off-Peak Case		Peak Case	
		Contingency	Total Transfer Capability	Contingency	Total Transfer Capability
1	Arunachal Pradesh	N-1 of 132 kV Rangandi - Ziro S/C	115	N-1 of 132 kV Rangandi - Ziro S/C	115
2	Assam	N-1 of 220/132 kV, 3x100 MVA transformers at Sarusajai	1175	N-1 of 220/132 kV, 3x100 MVA transformers at Sarusajai	1295
3	Manipur	N-1 of 132 kV Imphal (PG) - Imphal D/C	260	N-1 of 132 kV Imphal (PG) - Imphal D/C	260
4	Meghalaya	N-1 of 132 kV Killing-Epip II D/C	250	N-1 of 132 kV Killing-Epip II D/C	250
5	Mizoram	N-1 of 132 kV Aizawl - Zimabawk S/C	37	N-1 of 132 kV Aizawl - Zimabawk S/C	37
6	Nagaland	N-1 of 132 kV Dimapur -Kohima S/C	95	N-1 of 132 kV Dimapur -Kohima S/C	95
7	Tripura	N-1 of 132 kV Palatana - Udaipur S/C	130	N-1 of 132 kV Palatana - Udaipur S/C	126

He also requested to send study results for Peak (Export & Import) & Off Peak (Export & Import) along with assumptions in details to NERLDC for the fifth month by 15th of the month regularly. NERLDC has requested to furnish the data of exciter, generator, PSS, etc., as circulated with the minutes of 108th OCC.

NERLDC may kindly intimate the current status.

C.10 Requirement of Reactor at Balipara & Bongaigaon:

After commissioning of 400 kV Balipara – Bongaigaon III & IV lines & 400 kV Bongaigaon – New Siliguri III & IV lines, voltage trend at Ranganadi, Balipara & Bongaigaon significantly increases during off peak hours.

To contain voltage at these nodes within IEGC band, one circuit of 400 kV Balipara – Bongaigaon lines, 400 kV Bongaigaon – New Siliguri lines & 400 kV Ranganadi – Balipara lines are kept open during off peak hours.

It was agreed in 4th SCM of NER on 13.12.14 for installation of 125 MVAR Bus Reactors by POWERGRID at Balipara and Bongaigaon.

For immediate solution, Line Reactors of 400 kV Balipara - Bongaigaon I & II at Balipara & Bongaigaon are required to be converted into Bus Reactors.

During 108th OCC meeting, DGM (AM) informed that procurement for switching equipments is under progress and the status will be intimated to NERLDC/NERPC accordingly.

NERTS, POWERGRID may kindly intimate the current status.

C.11 Hourly Demand data in MW & Daily MU Requirement:

As per clause no 5.3.c of IEGC, each SLDC shall develop methodologies/mechanisms for daily/weekly/monthly/yearly demand estimation (MW, MVAR and MWH) for operational purpose.

SLDCs of NER are requested to furnish hourly demand data in MW & daily MU requirement to NERLDC in excel file by 2000 Hr on day ahead basis through nerldc@yahoo.co.in. These data are required for real time operation and preparation of reports.

These data are being furnished by AEGCL, MSPCL, Me. PTCL, DoP, Nagaland, & TSECL intermittently.

After detailed deliberation, the 108th OCC sub-committee requested all the constituents to furnish the monthly demand forecast for the whole month and NERLDC will review the day ahead demand as per the monthly report. Constituents should commence the above exercise from the month of May, 2015 onwards.

NERLDC may kindly intimate the current status.

C.12 Second In-feed for NER-ER Corridor:

At present NER Grid is connected to rest of NEWS Grid through only one in-feed i.e. Bongaigaon - Salakati substation. On 23.02.15 at around 1809 Hrs due to tripping of all the outgoing feeders of 400 kV Bongaigaon substation, 220kV Salakati- BTPS D/C lines overloaded and tripped. This resulted into isolation of NER grid from the rest of NEWS Grid and subsequently major part of NER Grid collapsed.

This type of grid disturbances may be avoided if there is more than one in-feed of NER Grid with ER Grid.

At present Bongaigaon Thermal Power Plant (BgTPP) is connected with 400 kV Bongaigaon S/S through 400 kV Bongaigaon – BgTPP D/C lines. Second in-feed of NER Grid with ER Grid may be formed, albeit at the same geographical location, if

one circuit each of 400 kV Bongaigaon – Binaguri lines and 400 kV Bongaigaon – Balipara lines terminated to BgTPP in place of Bongaigaon.

NERLDC pointed out that 2nd in-feed at Balipara can also be formed by connecting one circuit each of 400 kV Bongaigaon – Binaguri lines and 400 kV Bongaigaon – Balipara lines bypassing Bongaigaon S/S subject to technical feasibility.

The Sub-committee decided to jointly visit by NERLDC, NERPC, NERTS and NTPC to explore the possibility of creating additional space to incorporate required number of bays for implementation of above scheme. The issue will be discussed in the next OCC meeting.

NERPC may kindly intimate the status.

C.13 Monthly MU requirement & availability of each state of NER as per format:

The following figures of state wise MU requirement and availability were taken from draft LGBR 2015-16 of NERPC. State wise MU requirement and availability for these months are to be checked. Constituents may kindly verify if the above data are correct.

Requirement:

Name of State	May15	Jun15	Jul15	Aug15	Sep15
Ar. Pradesh	70	67	67	72	72
Assam	745	790	845	845	830
Manipur	65	75	75	75	75
Meghalaya	170	160	170	170	165
Mizoram	40	40	42	42	42
Nagaland	60	65	65	65	70
Tripura	125	125	130	130	120
NER	1275	1322	1394	1389	1374

Availability:

Name of State	May15	Jun15	Jul15	Aug15	Sep15
Ar. Pradesh	57	68	89	86	74
Assam	554	635	748	739	675
Manipur	69	79	101	101	85
Meghalaya	188	221	294	307	274
Mizoram	49	55	66	65	54
Nagaland	43	51	67	70	64
Tripura	211	212	234	233	192
NER	1171	1321	1599	1601	1418

C.14 Monthly MW requirement & availability of each state of NER:

The following figures were taken from LGBR 2015-16 of NERPC. These figures are to be reviewed.

A. Peak Demand in MW

Name of State	May15	Jun15	Jul15	Aug15	Sep15
Ar. Pradesh	138	133	133	138	143
Assam	1382	1439	1469	1510	1480
Manipur	148	138	143	149	149
Meghalaya	400	400	400	395	400
Mizoram	85	90	90	90	85
Nagaland	120	120	135	130	135
Tripura	300	300	305	305	285
NER	2573	2620	2675	2717	2677

B. Peak Availability in MW

Name of State	May15	Jun15	Jul15	Aug15	Sep15
Ar. Pradesh	126	149	148	143	145
Assam	990	1164	1151	1113	1164
Manipur	129	154	162	159	159
Meghalaya	335	387	470	488	488
Mizoram	92	108	113	109	105
Nagaland	87	103	108	104	104
Tripura	377/230	396/230	403/230	398/230	403/230
NER	2030	2136	2461	2514	2570

* Tripura indicates 272/230 if Pallatana available/if not available

C. Off Peak Demand in MW (08:00 Hrs)

Name of State	May15	Jun15	Jul15	Aug15	Sep15
Ar. Pradesh	76	73	73	76	72
Assam	860	900	905	920	830
Manipur	96	90	93	97	75
Meghalaya	220	220	220	217	165
Mizoram	55	59	55	55	42
Nagaland	72	72	81	78	70
Tripura	194	197	197	201	120
NER	1573	1611	1624	1644	1374

D. Off Peak Availability in MW (08:00 Hrs)

Name of State	May15	Jun15	Jul15	Aug15	Sep15
Ar. Pradesh	48	74	110	108	79
Assam	916	1077	1047	1047	900
Manipur	76	103	136	136	97
Meghalaya	254	321	423	440	220
Mizoram	64	75	92	100	55
Nagaland	56	71	96	95	81
Tripura	230	230	230	230	194
NER	1644	1951	2134	2156	1626

D. NEW ITEMS

D.1 Generation Planning (ongoing and planned outages)

NEEPCO/NHPC/OTPC may kindly intimate the availability for hydro stations:

Generating Station	Units running	MW	MU	Reservoir
Khandong				
Kopili				
Kopili-II				
Ranganadi			Subject to inflow	
Doyang				
Loktak				
AGBPP			-	-
AGTPP			-	-

Hydro generation planning for lean hydro period - Proper planning is required to utilize the available water for entire lean hydro period, say upto May, 2015.

NEEPCO vide mail dated 14.05.2015 has requested for shutdown of Khandong Unit #1 w.e.f. 21.05.2015 to 30.05.2015 for 10 (ten) days for rectification of the following problem:

1. Repairing of cooling water tapping joint at the penstock where water leakage is observed.
2. Tilling of MIV flow guides with SS plate.
3. Cladding of stay vanes with SS plate at location of the corrosion points. These are new areas of corrosion which needs to be attended.

The Committee may discuss and approve the proposed shutdown by Generating Stations.

D.2 Water level and spillage data of Hydro Stations

Historical data of reservoir level & spillage data of hydro stations are not available with NERLDC. This information is sometimes asked by various authorities. To facilitate in making a database for the same, all concerned are requested to furnish the available information to NERLDC as early as possible.

During 101st OCC meeting, DGM, NERLDC informed that the format was sent to all the constituents for necessary submission of data. However, till date no constituents have submitted the data to NERLDC.

During 103rd OCC meeting, the Sub-committee once again requested all the constituents to furnish the data as per format given below to NERLDC at the earliest.

Water level format:

Year		FRL		MDDL	
Station	Month	Date	Water level	Generation in MU	Water utilized in cumecs

Water spillage format:

Year	Station					
Date	Inflow in cumecs	Status of spillage (Spilling/ Not spilling)	Duration		Total	Month
			From (Hrs.)	To (Hrs.)	Hrs.	

During 105th OCC meeting, NERLDC informed that Assam, NEEPCO & NHPC has furnished the above information but not as per the format given by NERLDC.

The Sub-committee once again requested all the constituents to furnish the data as per data available with them to NERLDC at the earliest.

D.3 Outage Planning Transmission elements

It was agreed in the 99th OCC meeting that shutdown will be availed only after approval is given by the OCC forum. It was also agreed that deferment/revision of outages elements other than already approved in OCC will be henceforth put/displayed in the website of NERPC (**under Operational Activities/OCC Approved shutdown**) as per CERC regulations/ CEA guidelines etc for ensuring smooth & secure grid operation.

Furnishing request of shut down of the element, which was approved by NERPC, by Indenting Agency (ISTS licensees/STUs/Generating Companies) to NERLDC: Planned shutdown approved by NERPC shall be considered for implementation by NERLDC on D-3 basis. If an outage is to be availed on say 10th of the month, the shutdown availing agency would reconfirm to NERLDC on 7th of the month by 10:00 Hr. This practice is necessary to ensure optimal capacity utilization and the time required for associated system study/coordination by/amongst RLDC/NLDC.

The sub-Committee may kindly discuss and approve the transmission line outages proposed by Constituents for May - June, 2015 as enclosed at Annexure- D.3.

D.4 Sharing of Inter-State Transmission Charges & Losses (Third Amendment), Regulations, 2015:

Honorable CERC has notified Sharing of Inter State Transmission Charges and Losses (Third Amendment) Regulations, 2015 on 1st April'15 which is available in NERLDC website. These regulations shall come into force with effect from 1st May'15.

As per provisions of the CERC (Sharing of Inter State Transmission Charges and Losses) (Third Amendment), Regulations, 2015, the Designated ISTS Customers (DICs) are required to submit node-wise forecast injection/withdrawal information and maximum injection/withdrawal data for corresponding quarter of last three years to the Implementing Agency for computation of PoC Charges & Losses for Q1 of 2015-16.

Assam requested to send the SEM data to their SLDC so that PoC calculation can be prepared by them.

During the 108th OCC meeting, the Sub-committee requested NERLDC to arrange a workshop in this regard and also to highlight about all the recent CERC's Regulations for the benefit of the NER constituents. NERLDC agreed.

NERLDC may kindly intimate the current status.

D.5 Reliable Communication/Telemetry System in NEEPCO S/S:

The communication system from the old power stations of NEEPCO with NERLDC was established by POWERGRID under ULDC Scheme long back. Our Engineers are not acquainted with the system commissioned by POWERGRID and presently, found it difficult to maintain/ attend the problem without drawings/ manuals and spares.

We are in receipt of nos. of communication from NERLDC to maintain the uninterrupted communication facility. They have also informed nos. of time regarding the problems faced by them in real time operation of grid due to non-availability of data telemetry from NEEPCO stations.

We understand that POWERGRID is replacing all S900 RTU in their sub-station and spare support also no longer exists from the OEM because of obsolescence.

Hence, in view of necessity, NEEPCO is also in the process of changing the old system as per suggestion of manufacturer to make the telemetry system operational in order to transfer of reliable telemetry data to NERLDC.

In principle approval for execution of same may kindly be accorded by the OCC Forum

Further, the telemetry data of DHEP, AGTPP and Kopili are out for quite some time with data of DHEP out since 24-01-15. Further the availability from of data from RHEP and AGPP are also only partial. The matter was taken up at ED(O&M) level of NEEPCO but so far there is no visible improvement thereby causing difficulties in day to day operation of the system.

Committee may like to discuss.

D.6 Status of SLDCs in NER:

The issue of setting up of SLDCs in NER was discussed in various sub-committee of NERPC and during the 14th TCC meeting held at Agartala on 4th September, 2013, all constituents agreed that POWERGRID should go ahead with the implementation of Expansion/Upgradation of SCADA/EMS System in SLDCs & NERLDC and establishment of SLDCs in four states (Ar. Pradesh, Manipur, Mizoram, and Nagaland) of North Eastern Region and investment shall be recovered as tariff determined by CERC.

In view of the above, POWERGRID may kindly intimate the current status.

SN	Name of State	Status as given in 109 th OCC Meeting
1.	Ar. Pradesh	
2.	Manipur	
3.	Mizoram	
4.	Nagaland	

D.7 Overdraw by States and Operational problems:

It has been observed from monthly Schedule Vs Drawal plots of the states that some of the states are overdrawing for considerable period of time. These overdrawal coupled with unit trippings, especially Palatana, is causing operational problem within and outside the region. To avoid such problems constituents are requested to enter into firm contract for purchase of power thro' STOA route instead of leaning on DSM mechanism as interregional Import margin is quite high now-a-days.

Daily Schedule Vs Drawal figures for the month of April,15 is incorporated win the presentation for ready reference.

Committee may like to discuss.

D.8 Updated List of Important Grid Elements of NER, May 2015 (Draft):

As per Clause No 5.2.c of IEGC, List of Important Grid Elements of NER May 2015 (Draft) prepared. Updated List of Important Grid Elements of NER May 2015 (Draft) was e-mailed to regional entities of NER and also available in NERLDC website. It is requested to furnish data required for finalization of List of Important Grid Elements by 8th May'15 as this document will be finalized by 25th May'15. The document is password protected. Password may be collected from SOII department of NERLDC.

Comments have been received only from NEEPCO as on date.

D.9 Updated Power Maps of NER States, June 2015 (Draft):

Power maps of NER and States of NER June 2015 has been prepared. Updated Power maps of NER and States of NER June 2015 is e-mailed to regional entities of NER and also available in NERLDC website.

This document will be finalized by 20th June'15. The document is password protected. Password may be collected from SOII department of NERLDC.

Power utilities of NER are requested to submit comment and suggestion for this document by 15th June, 2015.

D.10 Nomination of Nodal Officers for Disaster Management:

All the SLDCs of NER are requested to update the details of Nodal Officer for Disaster Management for onward submission to NLDC

The names of the nodal officers of each SLDC may be sent to NERLDC by 31st May, 2015.

D.11 Website Problem of NERLDC:

NEEPCO vide mail dated 14.05.2015 has intimated that the new website of NERLDC is not functioning. The site does not get open and our engineers in power stations are finding it very difficult to furnish DC to NERLDC, downloading the daily shchedule/revised from NERLDC. The matter was also informed to DGM(OS) NERLDC on 13.5.2015. Day to day operation has become very difficult with this new web site of NERLDC.

They informed that the other web site like NRLDC is accessible in their previous address.

It is requested that NERLDC may be asked to restore the previous web site for ease of plant operation at the earliest in the interest of plan operation.

NERLDC may kindly deliberate in this regard.

D.12 Erratic Generation of Pallatana:

Tripura informed that erratic & very unstable Generation of Pallatana has created the constituent in severe problem daily for power management & scheduling. In every day Pallatana declares the entitlement, but in real time generation is far below the day ahead scheduling. For this huge commercial losses are to be borne by the constituent. It is also seen, the unit is tripping almost in every day.

NERPC & NERLDC may kindly look into the matter.

D.12 Estimated Transmission Availability Certificate (TAC) for the month of April, 2015.

NETC and POWERGRID, NERTS have submitted TAC data of April, 2015 in the first/second week of May, 2015. This will enable issuance of verification by NERLDC and certification by NERPC on monthly basis within stipulated time frame. Both NETC and NERTS are advised to follow the agreed time schedule in future to avoid accumulation of reports and corresponding delay.

Any other item:

Date and Venue of next OCC

It is proposed to hold the 110th OCC meeting of NERPC on second week of June, 2015. The date & exact venue will be intimated in due course.

PROPOSED SHUTDOWN OF ELEMENTS DURING MAY - JUNE 2015 - BAR CHART

ANNEXURE-D.3

SN	Name of Element	May'15										June'15																			Time									
		21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		19	20	21	22	23	24	25	26	27
1. TRANSMISSION LINES																																								
1	220 kV Misa-Mariani (PG)	[Shaded cells from 21 to 27]																													Continuous Shutdown from 08:00 Hrs of 21.05.15 to 16:00 Hrs of 27.05.15.									
2	220 kV Misa-Mariani (ASEB)											[Shaded cells from 1 to 11]																			Continuous Shutdown from 08:00 Hrs of 29.05.15 to 16:00 Hrs of 04.06.15.									
3	132 kV Badarpur-Kolasib line																														08:00Hrs to 16:00 Hrs									
4	132 kV Khandong-Haflong Line																														08:00 Hrs - 16:00 Hrs									
5	132 kV Jiribam-Loktak-2 line																														Continuous Shutdown from 08:00 Hrs of 08.06.15 to 16:00 Hrs of 11.06.15.									
6	400 kV Silchar-Pallatana-1 Line																														09:00Hrs to 17:00 Hrs									
7	400 kV Bus Reactor-2																														09:00Hrs to 17:00 Hrs									
8	400 kV Silchar-Pallatana-2 Line																														09:00Hrs to 17:00 Hrs									
9	400/132/33 kV Silchar ICT-2																														09:00Hrs to 17:00 Hrs									
10	400 kV Silchar-Byrnihat Line																														09:00Hrs to 17:00 Hrs									
11	400 kV Bus Reactor-1																														09:00Hrs to 17:00 Hrs									
12	400 kV Silchar-Azara Line																														09:00Hrs to 17:00 Hrs									
13	400/132/33 kV Silchar ICT-1																														09:00Hrs to 17:00 Hrs									
14	132 kV Badarpir-Silchar-1 Line																														09:00Hrs to 17:00 Hrs									
15	132 kV Badarpur-Silchar-2 line																														09:00Hrs to 17:00 Hrs									
16	132 kV Silchar-Imphal-1 Line																														09:00Hrs to 17:00 Hrs									
17	132 kV Silchar-2 line																														09:00Hrs to 17:00 Hrs									
18	132 kV Srikona-Silchar1 line																														09:00Hrs to 17:00 Hrs									
19	132 kV Srikona-Silchar-2 line																														09:00Hrs to 17:00 Hrs									
20	132 kV Silchar-Hailakandi-1 line																														09:00Hrs to 17:00 Hrs									
2. SUBSTATION																																								
400/220KV Balipara Substation																																								
1	400 KV Bongaigaon-3 Main Bay																														09:00Hrs to 17:00 Hrs									
2	400 KV Bongaigaon-3 & Kameng-1 Tie Bay																														09:00Hrs to 17:00 Hrs									
3	400 KV Bongaigaon-4 Main Bay																														09:00Hrs to 17:00 Hrs									
4	400 KV Bongaigaon- 4 & Kameng-2 Tie Bay																														09:00Hrs to 17:00 Hrs									
5	132 kV Khupi Bay																														09:00Hrs to 17:00 Hrs									
6	400 KV Biswanathchariali - 3 Main Bay																														09:00Hrs to 17:00 Hrs									
7	400 KV Biswanathchariali - 4 Main Bay																														09:00Hrs to 17:00 Hrs									
8	400 KV Bongaigaon-2 Main Bay																														09:00Hrs to 17:00 Hrs									
400/220KV Misa Substation																																								

