

North Eastern Regional Power Committee

Agenda For

135th OCC Sub-Committee Meeting

Time of meeting : 10:00 Hrs.

Date of meeting : 18th August, 2017 (Friday)

Venue : "Hotel Nandan", Guwahati.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 134th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

The minutes of 134th meeting of Operation Sub-committee held on 28th July, 2017 at Guwahati were circulated vide letter No. NERPC/SE (O)/OCC/2016/4556-4591 dated 4th August, 2017.

The Sub-committee may confirm the minutes of 134th OCCM of NERPC as no comments/observations were received from the constituents.

ITEMS FOR DISCUSSION

B.1. ACTION TAKEN:

1. IMPLEMENTATION OF PROJECTS FUNDED FROM PSDF:

The status as informed in 134th OCC:

State	Protection System	ADMS	CAPACITOR INSTALLATION	SAMAST**
Arunachal Pradesh	Approval for opening a/c under PFMS obtained.	Status to be updated.	-	To furnish action plan.
Nagaland	Work under execution. Completion by 30.09.17.	Under process of approval.	Under process of approval. To submit undertaking and other required documents.	Documents and relevant papers have been furnished to Nagaland SERC as desired by Chairperson, SERC. SERC has requested for a presentation at Kohima/Nagaland by the SAMAST group
Mizoram	By Aug'17 all LOAs would be issued.	Under process of approval.	Under process of approval. To submit clarification.	To furnish action plan.

Agenda for 135th OCC Meeting to be held on 18th August, 2017

Manipur	By Aug'17 all tenders to be completed. By Sept-Oct'17 all LOAs' would be issued.	Under process of approval. To submit clarification.	To submit pilot scheme DPR	To furnish action plan.
Tripura	All LOAs issued. Target for work completion March'2018.	DPR submitted to CEA & NLDC	Under Study stage**	NERPC/NERLDC members to meet TSERC /TSECL higher officials to enable take-off of the project.
Assam	By Aug'17 all LOAs would be issued.	DPR submitted. Under process of approval.	-	Identification of intra-State entities and total number of SEMs required would be completed shortly. To nominate their representative for SAMAST implementation committee.
Meghalaya	MePTCL – 25% balance LOAs will be completed by Aug, 2017. MePGCL – by Aug, 2017 all LOAs	DPR submitted to CEA & NLDC	DPR to be prepared.	To initiate activity for identification of Metering points.

The status of implementation of the above schemes (physical as well as financial progress) may please be reviewed and the entities are requested to expedite implementation of the schemes. The entities may also be advised to furnish status as per format by first week of every month on regular basis to Member Convener, PSDF Project Monitoring Group (AGM, NLDC, POSOCO) with a copy to NPC & NERPC. The LOAs of R&M Scheme are to be furnished to NERLDC/NERPC regularly.

** CMD, MeECL has nominated Shri T. Gidon as member to the SAMAST group.

States other than Meghalaya may nominate their members for SAMAST group.

States may please intimate the latest status.

2. Long Outage of Important Grid Elements:

Name of the Element	Name of Utility	Status as informed in 134 th OCC	Latest status
63MVAR Reactor at Byrnihat to be replaced with 80MVAR Reactor	MePTCL	NERLDC informed that after studies it has been found that at least 65MVAR compensation is required at Byrnihat. Forum accordingly requested MePTCL to upgrade to 80MVAR reactor with PSDF funding.	
400KV 80MVAR Bus Reactor at Palatana	OTPC	04 Nos bushing to be replaced. Work would be completed by OTPC itself. Tentative completion 31.10.2017.	
132 kV Jiribam – Rengpang S/C	MSPCL	Line charged from Jiribam end. To be re-commissioned by Sept'17.	
132 kV Mariani (AEGCL) – Mokokchung (DoP, Nagaland) S/C	DoP Nagaland & AEGCL	Line cannot be charged due to low insulation. Outlay of ₹ 26 Cr. yet to be sanctioned. AEGCL to give deadline in next OCC meeting.	
132 kV P K Bari – Silchar I & II	NERTS	Status to be updated.	
132 kV Dimapur - Dimapur I	DoP Nagaland	Work in bay at PGCIL end to be completed by Aug'17.	
132 kV Hailakandi – Dullavcherra	AEGCL & TSECL	Line is submerged. Restoration by Oct'17.	
250MW Unit#1 BgTPP	NTPC	By 20.08.17.	

Utilities may please intimate the latest status.

3. Furnishing of various data for reliable grid operation:

Data regarding	Utilities non-submission/compliance	
	As of 134 th OCC	As of 135 th OCC
UFR Operation Report	SLDCs of Arunachal Pradesh and Manipur yet to submit for June'17. SLDCs of Assam, Meghalaya, Mizoram, Nagaland and Tripura submitted for June'17.	

Agenda for 135th OCC Meeting to be held on 18th August, 2017

Reporting Commissioned Elements of Tarang App for	SLDCs of Arunachal Pradesh, Assam, Meghalaya & Mizoram yet to submit for June'17. SLDCs' of Manipur, Nagaland and Tripura submitted for June'17.	
DAS output for FRC calculation	OTPC, NTPC, NEEPCO & NHPC not yet submitted.	
Questionnaire of Working Group on Hydro(FOLD)	P&ED Mizoram	
Report on VDI/FDI	All SLDCs except Assam, Meghalaya & Tripura.	
DG healthiness report	Revised format circulated by NERLDC.NERTS, NTPC, OTPC, NHPC, DoP Ar. Pradesh, AEGCL, MSPCL, MePTCL, P&ED Mizoram, DoP Nagaland, TSECL yet to submit on monthly basis.	
Auxiliary Supply details	Revised format circulated by NERLDC. NERTS (Partially), NHPC, NEEPCO, MePTCL and DoP Nagaland submitted. NERTS (rest), NTPC, OTPC, DoP Ar. Pradesh, AEGCL, MSPCL, P&ED Mizoram & TSECL not yet submitted.	
Technical & Commercial data for PoC (Q3 2017-18)	Due date for submission of Q3 data is 31.07.2017. TSECL yet to submit YTC data.	
Daily Operational Data	All SLDCs.	
Operating Procedures.	-	
Data related to Power Map.	-	

Date & Time of event	Brief description	Name of ISGS	Whether data submitted
27-July-17 at 10:08 Hrs	On 27-July-17 at 10:08 Hrs Teestalll & Dikchu tripped. Generation loss was around 993 MW.	Palatana,BgTPP, AGTCCPP Extn,Ranganadi	NO
<i>AGTCCPP, AGBPP, Khandong, Kopili, Doyang and Loktak may please intimate their DAS implementation schedule.</i>			

NERLDC has also requested that Water level, inflow details, discharge quantity & Number of Gate opening (in case of spillage) of Hydro Plants be recorded on a 12 hour basis (2 entries in a day) and to be submitted to NERPC & NERLDC on a monthly basis for proper operational planning.

NERPC/NERLDC may please inform the status.

B.2. OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING JULY, 2017

As per the data made available by NERLDC, the grid performance parameters for July, 2017 are given below:

NER PERFORMANCE DURING JULY, 2017

States	Energy Met (MU)		w.r.t. June,17 % inc (+) /dec (-)	Energy Reqr. (MU)		w.r.t. June,17 % inc (+) /dec (-)	% inc (+) /dec (-) of energy reqr vs met. In July,17
	July-17	June-17		July-17	June-17		
Ar. Pradesh	60.32	56.26	7.22	61.42	57.36	7.08	-1.79
Assam	889.84	789.75	12.67	928.77	823.36	12.80	-4.19
Manipur	60.95	59.67	2.15	62.35	60.95	2.30	-2.25
Meghalaya	117.29	154.15	-23.91	117.29	154.15	-23.91	0.00
Mizoram	36.70	37.09	-1.05	37.70	38.13	-1.13	-2.65
Nagaland	65.70	58.30	12.69	66.82	59.39	12.51	-1.68
Tripura	120.59	111.51	8.14	122.21	114.51	6.72	-1.33
Region	1351.39	1266.74	6.68	1396.57	1307.85	6.78	-3.24

States	Demand Met (MW)		w.r.t. June,17 % inc (+) /dec (-)	Demand in (MW)		w.r.t. June,17 % inc (+) /dec (-)	% inc (+) /dec (-) of Demand vs met. In July,17
	July-17	June-17		July-17	June-17		
Ar. Pradesh	131	123	6.50	132	124	6.45	-0.76
Assam	1645	1623	1.36	1675	1744	-3.96	-1.79
Manipur	158	155	1.94	161	156	3.21	-1.86
Meghalaya	303	272	11.40	305	272	12.13	-0.66
Mizoram	82	77	6.49	84	82	2.44	-2.38
Nagaland	136	146	-6.85	140	147	-4.76	-2.86
Tripura	266	268	-0.75	271	268	1.12	-1.85
Region	2429	2387	1.76	2507	2499	0.32	-3.11

REGIONAL GENERATION & INTER-REGIONAL EXCHANGE IN MU

Month---->	July-17	June-17
Total Generation in NER (Gross)	1529.262	1453.218
Total Central Sector Generation (Gross)	1119.030	1032.192
Total State Sector Generation (Gross)	410.232	421.026
Inter-Regional Energy Exchange		
(a) NER-ER	0.00	6.362

AVERAGE FREQUENCY (Hz)

Month---->	July-17	June-17
	% of Time	% of Time
Below 49.9 Hz	6.56	5.94
Between 49.9 to 50.05 Hz	76.15	73.13
Above 50.05 Hz	17.29	17.59
Average	50.00	48.33

Agenda for 135th OCC Meeting to be held on 18th August, 2017

(b) ER-NER	555.41	352.192	Maximum	50.23	50.24
(c)NER-NR	592.49	375.306			
(d)NR-NER	0.00	14.197			
© Net Import	-37.08	-15.279	Minimum	49.69	49.72

C. OLD ITEMS

4. Status of Generating Units, Transmission Lines in NER:

During 135th OCC meeting, the status as informed by different beneficiaries is as follows:

SN	Items	Status as given in 135 th OCC Meeting	Status as given in 133 rd OCC Meeting
a. New Projects			
1	CoD of Unit -II of Bongaigoan TPS of NTPC		Light up expected by 26.06.2017.
2	400/220kV, 2x315 MVA ICT of NTPC at Bongaigaon		ICT-1 - by Sept'17
3	Kameng HEP of NEEPCO two units (2 x 150 MW) Next two units (2x150 MW)		Delay in dam construction. First unit by early 2018.
4	Pare HEP of NEEPCO (2 x 55 MW)		Delay in dam construction. First unit by early 2018.
5	400 kV D/C Silchar - Melriat line of PGCIL		December, 2017.
6	220kV Rangia - Salakati of AEGCL		December 2017
7	132kV Monarchak – Surjamaninagar D/C of TSECL		September, 2017
8	132kV Pasighat – Aalong of Ar. Pradesh		Charged on 08.05.2017. To be dropped.
9	132kV Surjamaninagar Bay at OTPC		Forum decided that work to be done by PGCIL. Sought amendment to 5th SCM minutes.
10	400kV D/C Balipara – Kameng of Ar. Pradesh		Sept' 2017.
11	RHEP 80 MVAR Bus Reactor		Tendering stage.

Agenda for 135th OCC Meeting to be held on 18th August, 2017

12	SLDCs (Ar. Pradesh, Manipur, Mizoram, Nagaland)		Manipur – Completed, Mizoram- Completed, Nagaland-Building ready and handed over, AP- SAT going on.
13	400/220 kV 315 MVA ICT-II at Bongaigaon		Manufacturing stage
14	220/132 kV, 2x160 MVA ICTs at Balipara		ICT -I - June'17 ICT-II By 31 st August 2017(LOA date).
15	220/132 kV, 1x160 MVA ICT with GIS Bay at Kopili		By 31 st August 2017(LOA date).
16	400/132 kV, 1x315 MVA ICT-III at Silchar		December, 2017(LOA date).
17	Replacement of 2x315 MVA ICTs with 2x500 MVA ICTs at Misa (PG)		December, 2017(LOA date).
18	400 kV Silchar – Misa D/C		M/s Sterlite Grid 4 Limited
19	1x125 MVAR Bus Reactor at 400 kV at Balipara		December, 2017(LOA date).
20	1x125 MVAR Bus Reactor at 400 kV Bongaigoan		December, 2017(LOA date).
21	Bays at Hailakandi & 132V Silchar-Hailakandi		Sept' 2017.
22	Tuirial HEP of NEEPCO		Unit #I - Sept'2017 Unit #II - Oct'2017
23	New Umtru HEP of MePGCL (2x20MW)		Unit #I- ToC to be completed. U#II - June'17 trial run.
24	400 kV, 2x63 MVAR Bus Reactor at Biswanath Chariali		July'2017
25	220 kV, 1x31.5 MVAR Bus Reactor at Mokokchung		December'2017
b. Elements under breakdown/ upgradation			
26	Up-gradation of 132 kV Lumshnong-Panchgram line		DPR submitted for board approval.
27	Switchable line Reactors at 400kV Balipara &		Bongaigaon-May'17

Agenda for 135th OCC Meeting to be held on 18th August, 2017

	Bongaigoan		
28	PLCC Panels at Loktak end of Loktak – Ningthoukhong 132 kV feeder and Loktak - Rengpang 132 kV feeder		May'2018
29	LILO of 132kV Ranganadi – Nirjuli at Pare of NEEPCO by PGCIL		Work given to KEC. Completion by May'2018
30	LILO of 132kV Ranganadi – Itanagar (Chimpu) at Pare of Ar. Pradesh		Bay 1 at RHEP for Pare: May'17 Bay 2 at RHEP for Itanagar: Mar'18
31	LILO portion of 132kV Ranganadi – Nirjuli(diversion work) at Lekhi by DoP Ar.Pradesh		December'2017

Concerned constituents may kindly intimate the status.

D. NEW ITEMS

D.1 Generation Planning (ongoing and planned outages)

NEEPCO & NHPC 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	-	-	-	-

The outage of other generating stations may be approved considering the present water levels in reservoirs.

The Committee may discuss and approve the proposed shutdown by Generating Stations as given in Annexure – D.2 below.

D.2 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.

In 130th OCCM, Member Secretary opined strongly about non commitments of earlier decision by the constituents and stated that all proposed plan shutdowns and agenda for the next OCC meeting should be sent to NERPC Secretariat latest by 5th day of next month. He directed SE(C&O) that the decision should be strictly adhere to and no shutdowns or agenda will be entertained after that stipulated date.

In 134th OCCM, it was decided that all communication related shutdown be approved in OCC forum only.

The sub-Committee may kindly discuss and approve the transmission line outages proposed by Constituents for August, 2017 - September, 2017 at Annexure- D.2., which is available in the website of NERPC.

D.3 Estimated Transmission Availability Certificate (TAC) for the month of March, 2017& April, 2017:

NETC and POWERGRID have submitted the outage data for the month of March 2017 & April 2017. So the attributability of outage of the said elements may please be finalized.

Members may please discuss.

D.4 Assessment of Total Transfer Capability (TTC), Transmission Reliability Margin (TRM) and Available Transfer Capability (ATC) by SLDC on respective Inter-State Transmission Corridor

Updated PSS/E Base Cases have been **mailed to all the SLDCs on 01.08.17**. All SLDCs are requested to assess the Total Transfer Capability (TTC), Transmission Reliability Margin (TRM) and Available Transfer Capability (ATC) for the month of Sep'17 using these cases, and submit the study cases and results to NERLDC by **20.08.17**.

NERLDC has assessed the state control area wise, state subsystem wise and group of control-area wise TTCs for NER Grid, on behalf of SLDCs of NER. The study results conducted by NERLDC **mailed to all SLDCs on 14.08.17**. SLDCs are requested to check the TTC of their control areas as computed by NERLDC and **give comments, if any, by 20.08.17**. The TTC figures for Sep'17 are as follows:

Name of States	Off Peak TTC in MW		Peak TTC in MW	
	N-0	N-1	N-0	N-1
Arunachal Pradesh	198	170	190	160
Assam	1599	1282	1665	1500
Manipur	335	258	335	258
Meghalaya	357	312	335	290
Mizoram	127	119	127	119
Nagaland	173	69	168	64
Tripura	213	193	167	157

If no comments received from any SLDCs of NER, TTC, ATC & TRM figures of State control area and group of control areas as assessed by NERLDC will be considered as final and may be uploaded on website.

As per discussions in 122nd OCC meeting of NERPC, all SLDCs of NER may host the assessed TTC / ATC / TRM figures on their website for information dissemination.

Members may discuss.

D.5. Low gas pressure in Stage-2 of 400/220kV Byrnihat S/Sn:

In Special Meeting held on 23.06.17 DGM (AM), NERTS informed that upon visit by NERTS officials to 400/220kV Byrnihat S/Sn it has been found that Stage 2 gas pressure is low and susceptible to direct trip without sounding alarm. The forum requested MeECL to investigate and revert back at the earliest.

In 134th OCCM, EE, MePTCL requested NERTS to provide the relay settings and once shutdown is accorded the matter may be investigated. DGM(AM),NERTS reiterated that low SF6 directly gives DT to Silchar. Sr. Consultant, NETC raised doubts regarding handing over of 400/220kV Byrnihat S/Sn to MeECL. NERTS agreed to look into the matter. S.E.(C&O),NERPC concluded that a team consisting of officials from NERTS/MeECL would jointly visit Byrnihat on 03.08.17 and investigate the issue. Shutdown if any required would granted impromptu.

MeECL/NERTS may please intimate the latest status.

D.6. Construction of dedicated 33KV line along with bay at 220KV Mariani (AEGCL) Substation for providing auxiliary power supply to POWERGRID , Mariani (New) Substation:

220KV Mariani(New) Substation owned by POWERGRID was commissioned in March'2013 & is a critical substation for evacuation of Kathalguri generation as well as feeding power to Nagaland. Further, the substation is shall be upgraded to 400KV voltage level under NERSS Project shortly. Availability of reliable auxiliary power supply for the station is of utmost importance not only for catering to requirement of the substation (including switchyard & colony) but also for maintaining a healthy protection system.

Accordingly, for facilitating provision of reliable auxiliary power, the work for construction of a 33KV dedicated feeder from Mariani (AEGCL) Substation to POWERGRID Mariani (New) Substation including one 33 KV Bay at Mariani (AEGCL) end was entrusted to AEGCL on deposit work basis. The requisite amount of Rs. 1 Crore for the said work too was deposited to AEGCL in January'2014.

As on date, construction of the 33KV feeder has been completed by AEGCL. However, the 33KV Bay at Mariani (AEGCL) end is yet to be completed despite passage of more than 3 years from the date of deposition of fund, owing to which it has not been possible to draw auxiliary power through the dedicated feeder till date. As a result of this inordinate delay in completion of works related to the dedicated 33KV feeder, POWERGRID Mariani Substation is facing serious crisis on account of unavailability of reliable auxiliary power in the station. The existing 11KV feeder connected to the station (non-dedicated) too is unreliable since frequent interruption (15 to 20 times a day) is experienced. The matter has been taken up with AEGCL through various correspondences (copies enclosed).

AEGCL is therefore requested to expedite completion of the balance works related to the aforesaid 33KV dedicated feeder on priority so that reliable auxiliary power is made available to the Mariani (new) substation without any further delay.

AEGCL may kindly provide the completion schedule for the above 33KV dedicated feeder.

In 134th OCCM, AGM, SLDC, Assam informed that as per informal discussion with AEGCL counterparts the work has been held up due to contractor problem. Further, he informed that he will revert back shortly to resolve the issue.

AEGCL may please intimate the latest status.

AGENDA ITEMS FROM NERLDC:

D.7. Ratification of projected demand and generation for Q3 of 2017-18 (July to Sep'17):

In the 3rd Validation Committee meeting for PoC application period Oct'15-Dec'15, held on 30th September 2015, at NLDC conference Hall, CERC had proposed a methodology for ratification of projected data at RPC forum.

In line with the decision in the Validation Committee meeting, Demand and Generation projections w.r.t North Eastern Region constituents as given by Implementing Agency is attached in **Annexure D.7** for ratification in 135th OCC Meeting of NERPC.

Members may please ratify.

D.8. Furnishing Geographic Co-ordinates of Nodes of NER Grid:

Power Maps of NER states are being developed by CBIP. To represent nodes of NER Grid in power maps, Geographic Co-ordinates of upcoming Nodes (66 kV & above) of NER Grid are required.

Power Utilities of NER are requested to furnish latitude & longitudes of Nodes of NER Grid as per **Annexure D.8.**

NERLDC may please deliberate.

D.9. CT Ratio of Transmission Lines & Enhancement of Loadability of lines in NER:

As deliberated in 125th OCC meeting held on 14th September, 2016 at Guwahati double-jumpering of bay and line before the CT upgradation work was to be completed, so that full capacity of CTs can be utilized for loading the lines.

Sl. No.	Name of the line	CT Ratio at either end (current)		CT Ratio at either end (required)		No. Of CTs required		Status as per 129 th OCCM	Status as per 135 th OCCM
		Stn A	Stn B	Stn A	Stn B	Stn A	Stn B		
1	132 kV AGTPP-Agartala-I	600/1	400/1	800/1	800/1	3 by PGCIL	4 by PGCIL	Aug'17	
2	132 kV AGTPP-Agartala-II	600/1	400/1	800/1	800/1	3 by PGCIL	4 by PGCIL	Aug'17	
3	132 kV Jiribam-Aizwal	400/1	400/1	600/1	600/1	3 by PGCIL	4 by PGCIL	Aug'17	
4	132 kV Jiribam-Haflong	400/1	400/1	600/1	600/1	3 by PGCIL	4 by PGCIL	Aug'17	
5	132 kV Khandong - Umrangso-Haflong	300/1	400/1	600/1	600/1	3 at Khandong by NEEPCO, 3 at Umrangso by AEGCL	3 at Umrangso by AEGCL, 3 at Haflong by PGCIL	NEEPCO - 31.3.17 AEGCL Mar, 17 PG -Aug, 17	

Agenda for 135th OCC Meeting to be held on 18th August, 2017

6	132 kV Loktak - Imphal-II	400/1	600/1	600/1	600/1	3 by NHPC		Mar'17	
7	132 kV D/C Doyang - Dimapur	300/1	600/1	600/1	600/1	3 by PGCIL & 6 by NEEPCO		Aug'17	
8	132 kV Khandong - Khliehriat- I	300/1	300/1	600/1	600/1	3 by NEEPCO	3 by PGCIL		
9	132 kV Khandong - Kopili I & II	300/1	300/1	600/1	600/1				

In 129th OCC meeting, forum recommended inclusion of CT up-gradation of 132 kV Khandong - Khliehriat- I (from 300/1 to 600/1) in the list. NERLDC requested PGCIL, AEGCL, NHPC & NEEPCO to submit a report to the forum after completion of the works.

PGCIL, AEGCL, NHPC & NEEPCO to inform the current status of double jumpering of bay and line & also status of up-gradation of CT Ratios.

D.10. CERC Order against Petition regarding RGMO/FGMO:

Hon'ble CERC has issued order against Petition no: 84/MP/2015 and I.A. No.8/2016 on dated 08.08.2017. In this regulation, the following were directed:

- a. The Commission shall be closely watching the primary response of ISGSs as reported by POSOSO/NLDCs from the month of **September, 2017**.
- b. To monitor the RGMO/FGMO response, NLDC and SLDCs through the assistance of POSOSO shall select third parties capable of undertaking periodic checkups.

Quote

- a. "All ISGSs are directed to provide primary response compulsorily in terms of Regulation 5.2 (f), (g), (h) and (i) of the Grid Code failing which we would not hesitate in initiating action under **Section 142 of Electricity Act, 2003** for not providing desired RGMO/FGMO response without any valid reasons".

Unquote.

NERLDC may please deliberate.

D.11. Disturbance / Tripping Report:

It is seen that whenever any tripping/disturbance occurs in Tripura system, prompt response in preparing /sending report is absent. Also in most of the time NERLDC gets incomplete report where disturbance clarity is missing. Unless NERLDC get correct details from Tripura as well as other constituents, it is not possible to prepare complete report.

It is requested to all constituents to collect correct details and compile report at the earliest and forward it to RLDC for further reporting to concerned authorities.

NERLDC may please deliberate.

D.12. 400 kV Link outage:

Any tripping in 400 kV Silchar- Byrnihat, 400 kV Silchar- Azara or 400 kV Palatana-Silchar creates power evacuation problem from Palatana, Monarchak, Tripura & Loktak. It has been observed that whenever this type of situation occurs Tripura, Palatana and Monarchak take lots of time to follow NERLDCs real-time advice resulting threat to grid security.

NERLDC may please deliberate.

D.13. No of 132 kV lines Tripura system remains open

It is observed that no of 132 kV lines in Tripura remains open without intimation to NERLDC. Real-time data of most of the 132 kV stations of Tripura are also not available. It is very difficult for NERLDC to visualize the Tripura grid. In case of any disturbance it is very difficult to visualize the real-time situation.

TSECL is requested to intimate the line status (open/close) to NERLDC regularly. Telemetry of 132 kV stations to be restored at the earliest.

NERLDC may please deliberate.

AGENDA ITEMS FROM OTPC:

D.14. Opening of 132 KV line-1 (Palatana Udaipur) by SLDC Agartala without information to NERLDC and OTPC

The matter was raised in 134th OCC by NERLDC and OTPC but again same action observed on date 05/08/2017, Point raised by OTPC to NERLDC, (Please Find the attached mail from NERLDC). This is clear violation of IEGC.

OTPC may please deliberate.

D.15. Reduction of OTPC load up to 320 MW (Ex Bus) by NERLDC:

During S/D of 400 KV Silchar- Byrnihat line on 03/08/2017 OTPC load was reduced up to 320 MW. The S/D was approved in OCC and it was discussed that S/D will be approved in real time situation, with no reduction of OTPC generation, but on real time NERLDC was directed to OTPC for load reduction.

OTPC may please deliberate.

Any other item:

Date and Venue of next OCC

It is proposed to hold the 136th OCC meeting of NERPC on second week of September, 2017. The date & exact venue will be intimated in due course.

DEMAND FORECAST USING PAST 3 YEARS DATA (Oct 2017 - Dec 2017)

	2014-15			2015-16			2016-17			1	2	3	4	Data given by DICs	Comments
	Oct-14	Nov-14	Dec-14	Oct-15	Nov-15	Dec-15	Oct-16	Nov-16	Dec-16	2014-15 Average	2015-16 Average	2016-17 Average	Projected Demand for (Oct 2017 - Dec 2017) before normalization		
Arunachal Pradesh	126	116	117	125	118	132	126	127	129	120	125	127	132	135	As per data given by Arunachal Pradesh
Assam	1,257	1,250	1,204	1,329	1,378	1,312	1,615	1,524	1,388	1,237	1,340	1,509	1,634	1500	As per data given by Assam
Manipur	134	138	139	146	163	167	145	151	157	137	159	151	163	168	As per data given by Manipur
Meghalaya	273	338	367	322	335	348	300	312	309	326	335	307	304	290	As per data given by Meghalaya
Mizoram	80	80	86	81	89	96	95	96	96	82	89	96	102	93	As per data given by Mizoram
Nagaland	118	115	123	119	120	138	130	126	127	119	126	128	133	130	As per data given by Nagaland
Tripura	266	222	210	269	242	221	284	266	230	233	244	260	273	358	As per data given by Tripura
N. Eastern Region	2,141	2,125	2,170	2,301	2,352	2,320	2,439	2,314	2,223						

Notes

1. Projections are based on the past 3 years' monthly Peak Demand Met data available on the website of CEA
2. The above projections are being done for financial year 2017-2018 (Q3) i.e. October 2017 to December 2017
3. Projections are being done based on the forecast function available in MS Office Excel
4. CEA Reports can be accessed from the following links:
http://www.cea.nic.in/reports/monthly/powersupply/2016/psp_peak-10.pdf
http://www.cea.nic.in/reports/monthly/powersupply/2016/psp_peak-11.pdf
http://www.cea.nic.in/reports/monthly/powersupply/2016/psp_peak-12.pdf
http://www.cea.nic.in/reports/monthly/powersupply/2015/psp_peak-12.pdf
http://www.cea.nic.in/reports/monthly/powersupply/2015/psp_peak-11.pdf
http://www.cea.nic.in/reports/monthly/powersupply/2015/psp_peak-10.pdf
http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2014_12.pdf
http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2014_11.pdf
http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/peak/Peak_2014_10.pdf

Generation Projection (October 2017 - December 2017)

				Generation declared Commercial from 1st Jan '17 to 30th June'17					Generation declared/expected to be declared Commercial from 1st July'17 to 30th Sep'17								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Sub Total	TOTAL	Comments From DICs /Others (if any)	Figure as per Comments/PoC Data	Projected Generation before normalization w.r.t projected All India Peak Demand
			(MW)											(MW)			
			(MW)											(MW)			
1	AGTPP, NEEPCO	NER	132											132	As per NEEPCO	132	132
2	Doyang, NEEPCO	NER	69											69		71	71
3	Kopili, NEEPCO	NER	195											195		192	192
4	Kopili 2, NEEPCO	NER	24											24		22	22
5	Khandong, NEEPCO	NER	49											49		44	44
6	Ranganadi, NEEPCO	NER	415											415		402	402
7	AGBPP_Kathalguri	NER	229											229		220	220
8	Loktak, NHPC	NER	104											104		104	
9	Palatana GBPP	NER	538											538	As per data given by OTPC	465	465
10	Bongaigaon_NTPC	NER	250											250		230	230
11	Arunachal Pradesh	NER	0											0			0
12	Assam	NER	290											290	As per Assam	241	241
13	Manipur	NER	0											0			0
14	Meghalaya	NER	183											183	As per Meghalaya	321	321
15	Nagaland	NER	16											16	As per Nagaland	24	24
16	Tripura	NER	85											85	As per Tripura	86	86
17	Mizoram	NER	4											4	As per Mizoram	8	8
	TOTAL		2584					0					0	2584			2562

Note:

1. Projections are based on monthly maximum injection in the last 3 years from actual metered data.
2. Generation forecast has been done based on the following criteria
 - (i) If there is an increasing trend then last year average generation has been considered
 - (ii) Otherwise average of past three year average generation has been considered
3. In case of new generators where past data was not available following has been assumed
 - (i) 1.0 plf for hydro generators
 - (ii) 0.7 plf for thermal generators.
 - (iii) 0.3 plf for gas stations

SI No.	Substations	Latitude	Longitude
1	Anini		
2	Bameng		
3	Bandardewa		
4	Basar		
5	Changlang		
6	Dambuk		
7	Dinchang		
8	Gerukamukh		
9	Halaipani		
10	Holongi		
11	Jairampur		
12	Kambang		
13	Khonsa		
14	Khupi		
15	Kimi		
16	Koloriang		
17	Likabali		
18	Longding		
19	Mariyang		
20	Mechuka		
21	Miao		
22	Nacho		
23	Naharlagun		
24	Niglok		
25	Palin		
26	Pare		
27	Pasighat New (Napit)		
28	Riloh		
29	Sagali		
30	Seijosa		
31	Seppa		
32	Tawang		
33	Tuting		
34	Yingkiong		
35	Ziro (New)		

Sl No.	Substation	Latitude	Longitude
1	Chapakhowa		
2	Gohpur		
3	Khandong		
4	Khumtai		
5	Lanka		
6	Mariani		
7	Nalbari		
8	Panchgram - New		
9	Panchgram - Old		
10	Rangia		
11	Samaguri		
12	Sonari		
13	Tangla		
14	Tezpur		

Sl. No.	Substations	Latitude	Longitude
1	Elangkanpokpi		
2	Gamphajol		

Sl. No.	Substations	Latitude	Longitude
1	Mynkre		
2	New Shillong		
3	Phulbari		
4	Praharinagar		
5	Umtru		

Sl. No.	Substations	Latitude	Longitude
1	Buarpui		
2	Champai		
3	Chawngte		
4	Lungsen		
5	Marpara		
6	S.Bungtlang		
7	Sihhmui		
8	W.Phaileng		

Sl. No.	Substations	Latitude	Longitude
4	Longleng		
5	Longnak		
8	New Kohima		
9	Sanis		
10	Tuensang		
11	Wokha		
12	Zunheboto		

Sl. No.	Substations	Latitude	Longitude
1	Gamai tilla		
2	Kanchanpur		
3	Manu		
4	Melaghar		
5	Mohanpur		
6	Teliamura (New)		
7	Teliamura (Old)		