

North Eastern Regional Power Committee

Agenda

For

117th OCC Sub-Committee Meeting

Time of meeting : 10:00 Hrs.

Date of meeting : 07th January, 2016 (Thursday)

Venue : "Hotel Nandan", Guwahati.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 116th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

The minutes of 116th meeting of Operation Sub-committee held on 17th December, 2015 at Guwahati were circulated vide letter No. NERPC/SE (O)/OCC/2015/4556-4591 dated 31st December, 2015.

No observations or comments were received from any of the constituents. The Sub-committee may discuss & confirm minutes of 116th OCCM of NERPC.

ITEMS FOR DISCUSSION

B. OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING DEC, 2015

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

NER PERFORMANCE DURING DECEMBER, 2015

States	Energy Met (MU)		w.r.t. Nov,15 % inc (+) /dec (-)	Energy Reqr. (MU)		w.r.t. Nov,15 % inc (+) /dec (-)	% inc (+) /dec (-) of energy reqr vs met. In Dec, 15
	Dec-15	Nov-15		Dec-15	Nov-15		
Ar. Pradesh	54.16	57.84	-6.36	55.78	58.96	-5.39	-2.99
Assam	643.05	661.46	-2.78	655.70	671.70	-2.38	-1.97
Manipur	74.49	71.15	4.69	75.66	72.42	4.47	-1.57
Meghalaya	157.91	145.96	8.19	167.42	151.78	10.30	-6.02
Mizoram	42.11	38.64	8.98	43.14	39.62	8.88	-2.45
Nagaland	62.42	58.85	6.07	63.67	59.88	6.33	-2.00
Tripura	77.43	107.39	-27.90	78.85	108.56	-27.37	-1.83
Region	1111.58	1141.28	-2.60	1140.21	1162.92	-1.95	-2.58

Agenda for 117th OCC Meeting to be held on 7th January, 2016

States	Demand Met (MW)		w.r.t. Nov,15 % inc (+) /dec (-)	Demand in (MW)		w.r.t. Nov,15 % inc (+) /dec (-)	% inc (+) /dec (-) of Demand vs met. In Dec, 15
	Dec-15	Nov -15		Dec-15	Nov -15		
Ar. Pradesh	132	118	11.86	133	120	10.83	-0.76
Assam	1314	1378	-4.64	1312	1379	-4.86	0.15
Manipur	167	163	2.45	167	164	1.83	0.00
Meghalaya	348	335	3.88	349	336	3.87	-0.29
Mizoram	96	89	7.87	97	90	7.78	-1.04
Nagaland	138	120	15.00	140	121	15.70	-1.45
Tripura	221	242	-8.68	221	243	-9.05	0.00
Region	2320	2352	-1.36	2355	2372	-0.72	-1.51

REGIONAL GENERATION & INTER-REGIONAL EXCHANGE IN MU

AVERAGE FREQUENCY (Hz)

Month---->	Dec-15	Nov -15
Total Generation in NER (Gross)	924.69	1064.97
Total Central Sector Generation (Gross)	662.96	808.78
Total State Sector Generation (Gross)	261.73	256.19
Inter-Regional Energy Exchange		
(a) NER-ER	90.66	161.26
(b) ER-NER	17.34	67.64
(c)NER-NR	0.00	20.58
(d)NR-NER	333.85	251.51
© Net Import	260.53	137.31

Month---->	Dec-15	Nov -15
	% of Time	% of Time
Below 49.9 Hz	16.23	11.48
Between 49.9 to 50.05 Hz	66.32	67.06
Above 50.05 Hz	17.45	21.46
Average	49.98	49.99
Maximum	50.32	50.28
Minimum	49.59	49.64

C.1 Status of Generating Units, Transmission Lines in NER:

During 116th OCC meeting, the status as informed by NTPC, NEEPCO and POWERGRID is as follows:

SN	Items	Status as given in 117th OCC Meeting	Status as on 116 th OCC
1	Trial operation and CoD of Unit -I of Bongaigoan TPS of NTPC		COD is expected by March, 2016. Infirm power injection to the grid in same month. Extension period has already been applied to CERC

Agenda for 117th OCC Meeting to be held on 7th January, 2016

2	400/220kV, 2x315 MVA ICT of NTPC at Bongaigaon		31.03.2016
3	Trial operation and CoD of Monarchak GBPP of NEEPCO		Trial run within December, 2015 & CoD is 31.03.2016
4	Kameng HEP of NEEPCO two units (2 x 150 MW) Next two units (2x150 MW)		November, 2016 March, 2017
5	Pare HEP of NEEPCO (2 x 55 MW)		June, 2016
6	400 kV D/C Silchar - Melriat line of PGCIL		September, 2016
7	220kV Rangia - Salakati of AEGCL		June, 2016
8	132kV Monarchak – Surjamaninagar D/C of TSECL		March, 2016
9	400/132 kV, 2nd 125 MVA ICT at Palatana		June, 2016
10	132kV Pasighat – Aalong of Ar. Pradesh		March, 2016
11	132kV Surjamaninar (India)- South Commila (Bangladesh)		08.12 2015
12	132kV Doyang- Wokha		-
13	220 kV, 20 MVAR Bus Reactor at AGBPP		February, 2016
14	132kV Surjamaninagar Bay at OTPC		June, 2016
15	63MVAR at Byrnihat of Me.PTCL		SE, SLDC informed that Estimated Cost approval from Board is awaited. The status will be intimated in next OCC meeting.
16	Up-gradation of 132 kV Lumshnong-Panchgram line		DPR preparation stage

Concerned constituents may kindly intimate the status.

C.2 CT Ratio of Transmission Lines in NER & Enhancement of Loadability of Lines:

During 116th OCC meeting, the Sub-Committee decided that the CT would be changed in a phased manner depending on severity of criticality as per priority list drawn up by NERLDC. The status is to be intimated to NERPC by the respective agencies and will be reviewed in OCC meetings.

Constituents, NERPC/NERLDC may kindly intimate the status and members may deliberate.

C.3 Conversion of line reactors of 400kV Balipara – Bongaigaon I&II to switchable line Reactors at Balipara & Bongaigoan:

During 116th OCC meeting, DGM (AM), NERTS informed that procurement of by-pass scheme and CSD relays in small quantity will take some more time and hence, time frame for installation may be considered upto March, 2016.

NERTS may kindly update the status.

C.4 Finalization of Operating Procedures of State Grid of NER:

As per clause no 5.1.g of IEGC, detailed operating procedures for each state grid shall be developed and maintained by the respective SLDC.

Latest status of approval of these documents from OCC forum of NERPC is as follow:-

SI No	Description	Status of approval from OCC forum of NERPC
1	Operating Procedure of Ar. Pradesh 2015	Not submitted
2	Operating Procedure of Assam 2015	Submitted
3	Operating Procedure of Manipur 2015	By 31.12.2015
4	Operating Procedure of Meghalaya 2015	Submitted
5	Operating Procedure of Mizoram 2015	By 31.12.2015
6	Operating Procedure of Nagaland 2015	Not submitted
7	Operating Procedure of Tripura 2015	Not submitted

NERLDC/NERPC may kindly update the status.

C.5 No PLCC Panels in two feeders of MSPCL:

NHPC informed that at Loktak Power Station, no PLCC Panels are installed in two nos. of 132 kV feeders of MSPCL i.e. Loktak – Ningthoukhong 132 kV feeder and Loktak - Rengpang 132 kV feeder. Since PLCC Panel is very important equipment for Protection of the feeders and even communication between two station. This issue was already raised in the previous meetings several times.

During 116th OCC meeting, MSPCL representative informed that the above work will now be completed within 31.03.2016.

SE(O), NERPC informed that as per directive of Hon'ble CERC, MSPCL has to complete the R&M associated with Substations of Manipur within November, 2016. He requested MSPCL to adhere to the direction of CERC and complete the R&M works within the stipulated time. MSPCL representatives informed that they will take up the matter with the Competent Authority and inform about the CERC Order accordingly.

MSPCL may kindly intimate the status.

C.6 Finalization of operational protocols for operation of line for supply of power to Bangladesh:

It is anticipated that power supply to Bangladesh from Surjamaninagar sub-station of Tripura will commence from middle of December, 2015. The power will be transmitted through international line jointly owned by India (India portion) & Bangladesh (for Bangladesh portion).

Before commencement of power supply it is essential that the following operational protocols are finalized:

Real time operation –

1. Issuance of code for charging of the line after tripping due to some fault.
2. Routing of proposals for shutdown both planned & emergency and issuance of code for the purpose opening & closing after return of shutdown
3. Co-ordination for dealing with any overdrawal issue
4. Co-ordination for contingency situations.
5. Restoration after grid disturbance and related co-ordination etc. etc

During 40th PCC meeting, after detailed deliberation it was decided that:

- a. Code for charging to be given by NLDC India.
- b. Proposals for shutdown to be routed through OCC forum of RPC to NLDC India and code to be given by NLDC India.
- c. Overdrawal issue to be dealt by Tripura.
- d. For item 4 & 5 procedures to be drawn up after detailed study of existing ones of ER - Bangladesh power transfer.

GM, NERLDC concluded that any other modalities would be worked out by NERLDC considering ER Bangladesh procedure.

NERLDC, TSECL & POWERGRID may kindly intimate the status.

C.7 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	Dec15	Jan16	Feb16	Mar16	Apr16
Ar. Pradesh	67	67	57	70	
Assam	700	680	650	700	
Manipur	75	80	70	75	
Meghalaya	202	215	185	190	
Mizoram	45	47	40	45	
Nagaland	69	65	65	70	
Tripura	120	125	100	125	
NER	1278	1279	1167	1275	

Availability:

Name of State	Dec15	Jan16	Feb16	Mar16	Apr16
Ar. Pradesh	45	48	40	50	
Assam	550	590	550	600	
Manipur	65	70	60	65	
Meghalaya	200	180	145	140	
Mizoram	40	42	40	45	
Nagaland	55	55	50	50	
Tripura	195	200	150	170	
NER	1150	1185	1035	1120	

C.8 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	Dec15	Jan16	Feb16	Mar16	Apr16
Ar. Pradesh	128	133	130	135	
Assam	1460	1400	1260	1410	
Manipur	149	165	148	155	
Meghalaya	425	375	350	400	
Mizoram	95	90	85	90	
Nagaland	130	125	120	130	
Tripura	255	250	240	275	
NER	2642	2538	2333	2595	

B. Peak Availability in MW

Name of State	Dec15	Jan16	Feb16	Mar16	Apr16
Ar. Pradesh	126	118	110	130	
Assam	1200	1195	1150	1170	
Manipur	128	145	128	140	
Meghalaya	350	325	280	250	
Mizoram	90	85	85	80	
Nagaland	90	95	90	95	
Tripura	403/230	403/230	403/230	403/230	
NER	2445	2375	2243	2268	

* Tripura indicates 400/230 if Pallatana available/if not available

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

Name of State	Dec15	Jan16	Feb16	Mar16	Apr16
Ar. Pradesh	70	73	70	80	
Assam	1020	1030	1020	1050	
Manipur	95	95	90	95	
Meghalaya	234	230	220	220	
Mizoram	62	60	55	55	
Nagaland	80	85	75	80	
Tripura	180	190	170	180	
NER	1641	1638	1700	1760	

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

Name of State	Dec15	Jan16	Feb16	Mar16	Apr16
Ar. Pradesh	60	65	60	70	
Assam	840	850	900	950	
Manipur	90	90	80	85	
Meghalaya	300	275	245	230	
Mizoram	60	60	60	55	
Nagaland	55	70	60	65	
Tripura	240	240	240	240	
NER	1645	1650	1645	1695	

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			-	-

Hydro planning

In view of outage of Kopili units, proper planning is essential for utilization of available water of other reservoir based stations so that adequate generation can be maintained upto April/May, 2016.

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.

The sub-Committee may kindly discuss and approve the transmission line outages proposed by Constituents for December, 2015 - January, 2016 as enclosed at Annexure- D.2.

D.3 Furnishing Reactive Power Absorption Data for last one year:

As per Para no. 9.9.1 of Recommendations of Enquiry Committee on Grid Disturbance, the regulatory provisions regarding absorption of reactive power by generating units needs to be implemented.

It is requested that you may please furnish instances when Reactive Power support was provided by Generators for last one year.

The latest Capability Curve of each generator in Soft Copy may also be provided.

During 116th OCC, DGM, OTPC informed that they have submitted the required data as per the prescribed format of NERDC. Further, he informed that the format is not capturing all relevant parameters.

Forum requested OTPC suggested to submit detailed data printout (automatically generated from the system) in 117th OCC for review and finalizing the format.

The Sub-committee requested NEEPCO and NHPC to furnish the data to NERLDC/NERPC latest by **31.12.2015**.

NEEPCO and NHPC may kindly intimate the status.

D.4 Furnishing of Technical & Commercial Data for Computation of PoC Charges & Losses for 3rd Quarter of 2015-16 (Oct'15- Dec'15):

As per provisions of the CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2010 as amended from time to time, the following data are required for Computation of PoC Charges & Losses for **3rd Quarter of 2015-16 (Oct'15- Dec'15)**

Agenda for 117th OCC Meeting to be held on 7th January, 2016

1. Technical details of new transmission elements and generating units which are expected to commence commercial operation during **Oct'15- Dec'15**
2. Yearly Transmission Charges
3. Nodal Generation information and forecast withdrawal data

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 **3rd Quarter of 2015-16 (Oct'15- Dec'15)**.

As discussed in 3rd Validation Committee Meeting held on 30th September, 2015, following dates were finalized for submission of data for **4th Quarter of 2015-16 (January –March, 2016)**.

Sl. No.	Timeline	Remarks
1	31 st October, 2015	Data to be provided by DICs to IA
2	10 th November, 2015	Data to be sent by IA to RPC
3	25 th November, 2015	RPC to rectify the data through a meeting at RPC level and then send to IA by 25 th November, 2015
4	30 th November, 2015	Validation Committee meeting

In the 115th OCC meeting, the Sub-Committee decided that data required for rectification would be supplied to constituents well in advance by Implementing Agency (NLDC) so that rectification of data may be taken up in next OCC meeting.

During 116th OCC all the utilities agreed to submit the data as per formats for Quarter 1 of 2016-17 (April- June, 2016) by 31st January, 2016.

TSECL informed regarding to 4th Validation committee meeting held on 30/11/15. Inviting to the above it is for your kind information that considerable differences in Data of Palatana generation in the RTA issued is seen in comparison with the actual generation. TSECL is to inform you that due to gas constraint Palatana was unable to achieve full generation (not exceeding 530-540 MW), whereas RTA is issued considering full capacity of Palatana project resulting higher burden of POC.

The Sub-Committee may please take up the available data for ratification.

D.5 Petition No. 113/MP/2014:

OTPC vide mail dated 07.12.2015 has requested to discuss the petition No. 113/MP/2014 filed by NERLDC to Hon'ble CERC. Further, they informed that Petition was filed without any information/discussion/record in preceding or succeeding OCC meetings though there was no conflict among constituents, OTPC & NERLDC for implementation of SPS.

During 116th OCC meeting, DGM, OTPC mentioned that NERLDC should not file the petition to CERC as any issue can be discussed and resolved in the forum of NERPC. He mentioned that OTPC has been trying to comply and adhere to the decision of OCC/PCC Sub-committees of NERPC in every issue and as such filing a petition to CERC is not in the spirit of the forum. He however stated that since the matter has been filed to CERC, necessary action will be taken up by them in this regard.

Members may like to discuss.

D.6 Shutdown of Block- #2 of OTPC & Reduction of Gas supply:

OTPC intimated that Palatana Block-2 will undergo shutdown from 25th January, 2016 to 7th February, 2016 for CI & HRSG Licence renewal.

During 116th OCC meeting, The issue was discussed in detailed and the forum requested OTPC to keep in mind that any maintenance schedule should not be taken during lean hydro season. The forum requested OTPC to take up the matter with the concerned agency so that in future no shutdown will be granted to them during lean hydro season. The comfort period granted by the forum is **July to September**.

DGM, OTPC mentioned that he will take the matter with Competent Authority of OTPC so that the solution can be finalized in this regard.

The forum however approved the above shutdown since no sufficient gas is available to OTPC to run both the units.

Members raised the issue regarding reduction of gas supply to Pallatana and requested NERPC to take up the matter with highest authority of ONGC.

SE(O), NERPC informed that during 27th CC meeting, the issue of reducing of gas supply to Pallatana to accommodate Monarchak is a very serious concern for NER beneficiaries as till now it is understood that Monarchak is a state project and he requested the house to take up the matter in the next NERPC meeting. Further, he stated that full gas supply should be made available to Pallatana first then to Monarchak Plant to avoid deprivation of all other NER states.

OTPC may kindly intimate the status.

D.8 Power Evacuation/flow on HVDC Line:

800kV Bishwanath Chariali - Agra HVDC line was commissioned on 31.10.2015 and the power flow on this line is being instructed by NERLDC without intimating to the constituents.

During 116th OCC meeting, NERLDC informed that COD was declared by asset owner and the same was informed to NERPC also. Moreover +/- 800kV Bishwanath Chariali - Agra HVDC is an inter-regional line and falls under the Jurisdiction of NLDC.

Assam representative raised the issue regarding flow of power from NR to NER through HVDC line. NERLDC informed that 400kV Farrakha-Malda-D/C is under S/D. Due to S/D of these lines import ATC of NER may reduce drastically, so to avoid any change in ATC during lean hydro season power flow from NR to NER is maintained.

SE(O) raised the issue stating that at present ATC/TTC has been enhanced to around 1100 MW and the issue of constraints did not arise during the current period. He also mentioned that during the 4th NPC meeting, the issue of co-ordination regarding of shutdown of Inter-regional which affect the other region has to be intimated accordingly. He mentioned that every time NERPC informed to ERPC whenever shutdown is being taken and he stated that the issue will be taken up with ERPC so that such problem does not occur in future.

Members are of the opinion that PoC charges may be imposed upon NER constituents once the HVDC link is being used by them. They requested the forum that such mechanism should be looked into so that burden should not fall on them.

Members may like to discuss.

D.9 Early Restoration of 63 MVAR line Reactor at Balipara:

The 63 MVAR line Reactor of 400 kV Bongaigaon – Balipara line –II at Balipara end is under outage since 19.07.2015. Early restoration of the reactor is very essential for containing over voltage problem which is very much on higher side after commissioning of Agra- BNC HVDC pole-I especially during operation of the pole. Presently the problem is being managed by opening 400 kV lines thereby system security is compromised.

Early commissioning of 80 MVAR 2nd Bus reactor at BNC is also very much essential in this connection.

During 116th OCC meeting, DGM (AM), NERTS informed that the test charge has already completed and the above work will be completed within December, 2015.

NERTS may please intimate the status.

D.10 Estimated Transmission Availability Certificate (TAC) for the month of November, 2015.

NETC and POWERGRID, NERTS have submitted TAC data of November, 2015 in the first/second week of December, 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.

D.11 400kV, 80 MVAR Bus Reactor at OTPC Palatana

During the 116th OCC Meeting, OTPC informed that the 400kV, 80 MVAR Bus Reactor at OTPC Palatana is ready for recharging and sought clearance for charging of the same. NERLDC informed that the same can be taken into service subject to real time condition.

However, now after checking the relevant records at NERLDC it is seen that the reactor was never successfully put into service and the matter has to be look into considering that the element was out for a prolong period.

In this connection it is pertinent to mention that, as per Clause No. 43 of Measures Relating to Safety & Electric Supply Regulation 2010 by CEA, the electrical installations/line, before commencement of supply or recommencement after shutdown for six months and above shall not be charged/ energized without the approval of the Electrical Inspector in writing to ensure safety measures specified under the said regulations in the electrical installations.

OTPC may take action accordingly and certify fulfillment of other statutory requirements while permission for charging the reactor is sought.

During 116th OCC meeting, The Sub-committee requested OTPC to first test charge the reactor and then get the approval of EI of RIO (NE).After obtaining the required clearance apply to NERLDC for charging the reactor.

OTPC may please intimate the status.

D.12 Modification of existing 132kV S/C Nirjuli -Ranganadi Transmission Line on account of Railway Track Construction:

The newly constructed Harmuti-Naharlagun Railway Track infringes with the 132KV Nirjuli-Ranganadi line between existing location 02 to loc.14 & crosses the track at 3 (three) locations. In order to do away with this infringement & at the behest of the District Administration, POWERGRID has carried out detailed survey for re-alignment of the complete line section from loc.134 to loc.23. The proposed line section shall now pass through Emchinallah-Lekhi village in Papumpare District.

Further, the contract for diversion of the line section from loc.134 to loc.23 has also been awarded by POWERGRID & erection work is expected for commencement very shortly. Subsequent to completion of the re-aligned section of the line(which is expected by April'2016), the existing line section passing through Doimukh area in Papumpare District shall be required to be disconnected & dismantled. It may be mentioned that the 132KV Nirjuli-Ranganadi line has been looped in & looped out at 132KV Lekhi Substation of DoP, AP at tower loc.11. Therefore, with disconnection of the existing line section from loc.134 to loc.23 as a result of its re-alignment, connection of Lekhi Substation (DoP, AP) with Ranganadi & Nirjuli through the LILO portion shall be no longer available.

It is learnt that action has been taken by DoP, AP simultaneously for modification of the LILO line so as to ensure connectivity with 132KV Nirjuli-Ranganadi line after re-alignment is carried out by POWERGRID. Therefore, DoP, AP may look into for completion of this modification of LILO portion of the line matching with re-alignment of the line from loc.134 to loc.23(under execution by POWERGRID) in case it is felt necessary to maintain the existing configuration of LILO of line at Lekhi S/s(DoP, AP)

During 116th OCCM, The Sub-committee unanimously agreed to the proposal of NERTS.

Since no representative from Ar. Pradesh was present, portion pertaining to Ar. Pradesh could not be updated.

NERTS, Ar. Pradesh may kindly deliberate on this issue.

D.13 Assessment of Total Transfer Capability (TTC), Transmission Reliability Margin (TRM) and Available Transfer Capability (ATC) by SLDC on respective Inter-State Transmission Corridor

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, group of control areas, individual control areas with the region and state-control-area to state-control-area by NERLDC, if required.

SLDCs are also requested to send study results for Peak (Export & Import) & Off Peak (Export & Import) along with assumptions in details and 6 nos ".sav" case files (Base Case for Peak & Off Peak, Off Peak & Peak Export & Off Peak & Peak Import) to NERLDC by 15th of the month for the fifth month. All India ".sav" case files have been sent to SLDCs. SLDCs are requested to use this ".sav" case files while computing TTC, ATC & TRM for their state control area.

The study results for assessment of Total Transfer Capability (TTC), Transmission Reliability Margin (TRM) and Available Transfer Capability (ATC) have not been received from any SLDC of NER.

Updated Base Cases have been already mailed to all the SLDCs on 08.12.15. All the SLDCs are requested to assess the Total Transfer Capability (TTC), Transmission Reliability Margin (TRM) and Available Transfer Capability (ATC) and submit the cases to NERLDC for the month of May'16 by 15th January, 2016.

The state-wise Transfer Capability as assessed by NERLDC for the month of May'16 based on available information is as below.

Import Capability

SN	State	OFFPEAK Case		PEAK Case	
		Contingency	Total Transfer Capability	Contingency	Total Transfer Capability
1	Arunachal Pradesh	N-1 of 132/33 kV, 1x20 MVA Transformer at Naharlagun	165	N-1 of 132/33 kV, 1x20 MVA Transformer at Naharlagun	165
2	Assam	N-1 of 220/132 kV, 3x100 MVA transformers at Sarusajai	1410	N-1 of 220/132 kV, 3x100 MVA transformers at Sarusajai	1370

Agenda for 117th OCC Meeting to be held on 7th January, 2016

3	Manipur	N-1 of 132/33 kV, 2x50 MVA Transformers at Imphal (PG)	285	N-1 of 132/33 kV, 2x50 MVA Transformers at Imphal (PG)	285
4	Meghalaya	N-1 of 132 kV Killing-Epip II D/C	270	N-1 of 132 kV Killing-Epip II D/C	275
5	Mizoram	N-1 of 132/33kV, 12.5 MVA transformer at Luangmual/Zi mabawk/Serchip/Lunglei	110	N-1 of 132/33kV, 12.5 MVA transformer at Luangmual/Zi mabawk/Serchip/Lunglei	110
6	Nagaland	N-1 of 132/66 kV, 100 MVA ICT at Dimapur (Nagaland)	95	N-1 of 132/66 kV, 100 MVA ICT at Dimapur (Nagaland)	95
7	Tripura	N-1 of 132 kV Palatana - Udaipur S/C	190	N-1 of 132 kV Palatana - Udaipur S/C	150

NERLDC may kindly deliberate on this issue.

D.14 Re-conductoring of 132 kV BiswanathChariali (PG) – Pavo (AS) D/C lines

The 132 kV BiswanathChariali (PG) – Pavo (AEGCL) D/C lines are vital feeders to cater to loads in Pavo, Gohpur, Depota areas of Assam. After commissioning of these lines, with feeding of Gohpur area loads from BiswanathChariali (PG) instead of Nirjuli (PG), the loading of each line touches 65-70 MW during Peak Hours.

System studies conducted considering Peak Load scenario in Assam revealed that the system is not secure under N-1 contingency during period of high drawal in Depota, Gohpur and Pavo areas of Assam.

It is thus proposed for reconductoring of 132 kV BiswanathChariali (PG) – Pavo (AEGCL) D/C lines for improved security and reliability of the Grid.

NERLDC may kindly deliberate on this issue.

D.15 Up-gradation of 2x30 MVA, 220/132 kV ICTs at Mokochung (PG)

The 220/132 kV Mokochung (PG) substation is a vital link through which power from Mariani (AS) can feed to Mokochung area of Nagaland through 220 kV Mariani (PG) – Mokochung (PG) D/C and 220/132 kV ICTs at Mokochung (PG).

Under N-1 of 220 kV Mariani – Mokokchung D/C lines, the other circuit may be able to carry upto 200 MW on continuous basis. But due to restriction in capacity of ICTs at Mokokchung (PG), under N-1 contingency of these ICTs the loading in the entire section from 220 kV Mariani (PG) to 132 kV Mokokchung (PG) would be restricted to less than 30 MW.

From system studies it was observed that in case of N-1 contingency of 220/132 kV ICTs at Mokokchung, the loading on other ICT exceeded its rated capacity.

It is thus proposed to enhance the capacity of ICTs at Mokokchung (PG) from present level to 2 x 100 MVA, 220/132 kV ICTs, for enhancing the reliability of the Grid.

NERLDC may kindly deliberate on this issue.

D.16 Implementation of Automatic Demand Management Scheme (ADMS)

Hon'ble CERC directed vide order in Petition No. 113/MP/2014 on 31.12.15 to submit PERT charts & action plans for Implementation of Automatic Demand Management Scheme (ADMS) by SLDCs of NER and to implement ADMS by 30.06.16 . Hon'ble CERC directed RLDCs to submit the report of status of implementation of Automatic Demand Management Scheme (ADMS) by SLDCs of NER by 31.08.16.

SLDCs of NER are requested to furnish monthly report of status of implementation of Automatic Demand Management Scheme (ADMS) by SLDCs of NER.

NERLDC may kindly deliberate on this issue.

D.17 Tripura is ready for 100MW power Transaction to Bangladesh in any time. It is requested to study load flow of Tripura system as well as NER.

NERLDC may kindly deliberate on this issue.

D.18 Consent for URS Scheduling:

At present URS of any ISGS is being scheduled to other beneficiaries after taking consent of the concerned ISGS. This is creating delay in scheduling process. A standing consent from the ISGS station can help in this respect.

Members may please deliberate and finalize the modus operandi.

D.19 Seminar on "Restoration Procedure":

Like previous years this year also NERLDC will organize one day seminar on "Restoration Procedure of NER Grid". It is proposed to organize the seminar in February, 2016. All the Utilities are requested to nominate 4/5 or more number of participants, associated with operation of SLDCs- Generating stations and Sub-stations, for the purpose. All Utilities are also requested to give small presentations (10/15 Minutes duration) in the seminar for the knowledge of other utilities.

Exact date and venue will be intimated in due course.

Members may please give their consent.

D.20 Request for adherence to RLDC advises to avoid violations of Regulations:

It has been observed that on many occasions desired relief cannot be achieved due to non or delayed compliance of RLDC requests leading to violations of various stipulations specially related to over drawal from the grid. CERC is closely monitoring these violations. All concerned are requested to please adhere to the real time advises of NERLDC to avoid future complications. In this regard recent order of CERC on Grid disturbance of 30/ 31.07.12 may please be referred, wherein many utilities are penalized.

Members are requested to please co-operate.

Any other item:

Date and Venue of next OCC

It is proposed to hold the 118th OCC meeting of NERPC on second week of February, 2016. The date & exact venue will be intimated in due course.
