



सत्यमेव जयते

Agenda for 194th OCC Meeting



Govt. of India
Ministry of Power
North Eastern Regional Power Committee
Shillong

North Eastern Regional Power Committee

Agenda For

194thOCC Sub-Committee Meeting

Time of meeting : 10:00 Hrs.

Date of meeting : 15th September 2022 (Thursday)

Venue : "NERPC Conference Hall, Shillong"

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 193rd MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

The minutes of 193rd meeting of Operation Sub-committee held on 12th August, 2022 at Guwahati were circulated vide letter No. NERPC/SE (O)/OCC/2021/6702-6738 dated 31st August, 2022.

The Sub-committee may confirm the minutes of 193rd OCCM of NERPC.

B. FOLLOW UP AGENDA ITEMS

B.1. Operational Performance and Grid discipline during August,2022:

NERLDC will present the Operational Performance and Grid Discipline in August'2022.

NERLDC may please deliberate.

B.2. Generation Planning (ongoing and planned outages)

a. Present per day MU and projected number of days of operation.

Plants	Reservoirs level in meter	MU content	Present DC (in MU)	No of days as per current generation
Khandong + Kopilistg II			0	
Kopili			0	Willbe "0" until further intimation.
Doyang	312.1	9	0.84	11
Loktak	766.63	16	2.489	6

The outage of other generating stations may be approved considering the present water levels in reservoirs and long-term outage of Kopili HEP.

The sub-committee may please deliberate.

B.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.

It was decided in the previous OCCM that shutdown would be granted from the 1st day of the following calendar month to the 30th/31st day of the same month.

The sub-committee may please deliberate.

B.4. Estimated Transmission Availability Certificate (TAC) for the month of August, 2022:

Transmission Utilities have submitted the outage data for the month of August, 2022. So, the attributability of outage of the said elements is being finalized by NERLDC & NERPC. The Availability of the transmission elements of ISTS licensees for the month of July, 2022 is as follows-

Sl no	ISTS Licensee	Availability for July'22 (%)
1	NETC	100.0000
2	KMTL	100.0000
3	NER-II TL	100.0000
4	PGCIL	99.8887 (June'22)

The sub-committee may please deliberate.

B.5. Mock Black Start Exercise:

The previous mock black start & restoration exercise has been conducted at various generating stations in NER on the dates mentioned in the following table:

As per discussion in 177th OCC meeting on 22nd April 2021, schedule of Mock exercise at AGBPP and RHEP was to be finalized by NEEPCO after discussion with OEM. As per regulation 5.8 (b) of IEGC, mock black start shall be carried out by Users/CTU/STUs at-least once in 6 months.

NEEPCO and NHPC informed the dates for testing as follows:

Plant Name	Performed On	Due Date	Schedule of Testing as per 193 rd OCCM
AGBPP	after upgradation of DG under R&M
AGTTCCPP	09.04.2019	09.10.2019	Sept'22 first week*
PareHEP	25.01.2020	25.07.2020	To be done in lean hydro season
Kopili HEP	10.05.2019	NA	NA
Kameng HEP	By August'22
KopiliStg-II	-	-	Under prolonged shutdown

*In the 193rd OCCM NERTS informed that CRP Scheme has been modified for Synchro check purpose for both the lines and the copy of the scheme has been handed over to TSECL.

The sub-committee may please deliberate.

B.6. Status of ADMS:

Status for Automatic Demand Management Scheme in 7 states of NER. The SLDCs informed the latest status as follows:

Name of the utility	SAT Completion	DoCO
DoP Ar. Pradesh	27-01-2021	Enabled & in-operation
AEGCL/APDCL	07-12-2020	Enabled & in-operation
MSPCL	24-11-2020	Enabled & in-operation
MePTCL/MePDCL	31-08-2020	Enabled & in-operation
P&ED Mizoram	22-02-2021	Enabled & in-operation
DoP Nagaland	17-11-2020	To be enabled by 20.8.22
TSECL	24-12-2020	To be enabled by 20.8.22

In the 193rd OCC JE, SLDC, DoP Nagaland informed that logics have been implemented but the scheme is not enabled as the ICCP link between ADMS and SCADA server is not stable. He requested assistance from NERLDC in this regard. DGM, SLDC, TSECL assured the forum that logics will be enabled at 4 out of 5 SSs (excepting Agartala) in one week time.

States may kindly update

B.7. Violation of state wise TTC/ATC:

As per POSOCO KPI, NERLDC has to report the violation of import TTC/ATC of NER states in daily, weekly and monthly basis. It has been observed that most of the NER states are not N-1 secure causing violation of TTC/ATC limit although the actual drawl remains within the schedule values. Violation has been observed in case of Assam, Meghalaya, and Tripura states.

The TTC/ATC calculation of States done by NERLDC is as follows:

State	Time Period	N-1 considered	Limiting element	TTC	RM	ATC
Arunachal Pradesh	Off-Peak	132kV Lekhi – Pare	132 kV Pare – Itanagar S/C	180	5	175
	Peak			180	5	175
Assam	Off-Peak	220/132 kV, 160 MVA ICT at BTPS	Other 220/132 kV, 160 MVA ICT at BTPS	1500	40	1460
	Peak			1580	40	1540
Manipur	Off-Peak	132kV Imphal MA-Imphal PG Ckt I	132 kV Imphal (MA)-Imphal (PG) II & III	210	5	205
	Peak			220	5	215
Meghalaya	Off-Peak	132 kV Umiam3 – Umiam	132 kV Umiam-Umiam Umiam 1 II	230	10	220
	Peak			250	10	240
Mizoram	Off-Peak	132 kV Melriat-Silchar I ORII	132 kV AizawlLuangmual S/C	148	5	143
	Peak			152	5	148
Nagaland	Off-Peak	220/132 kV ,100 MVA Dimapur ICT	220/132 kV ,30 MVA Mokochung ICTs	170	5	165
	Peak			180	5	175
Tripura	Off-Peak	132 kV SM-Nagar (TR) – SM Nagar (ISTS) S/C	132 kV PK-Bari (TR)- PK Bari (ISTS) S/C	310	6	304
	Peak			365	6	359

In previous OCC meeting(s) it was decided that in the event of any major shutdown(approved/emergency) the state periphery ATC/TTC shall be calculated by respective SLDC and communicated to NERLDC. NERLDC conducted a training session on 29.06.2022 on calculating ATC, TTC for states at NERPC.

Calculation of state-wise TTC is only received from Assam and Meghalaya on continuous basis every month. Nagaland has sent its state-wise TTC calculation once. Other utilities may share the progress of said report and send the same to NERLDC.

The sub-committee may please deliberate

B.8. Load restriction in Meghalaya Power System due to planned outage of Khandong HEP & Kopili Stg-II:

The planned shutdown of Khandong HEP and Kopili Stage II has been approved from 10.01.2022 to 09.05.2022 in the 185thOCCM for the following activities:

- a. Inspection and repairing of Khandong Head Race Tunnel, Trash Rack Gate, Intake Gate, Surge Shaft Gates, Steel Liner of HRT etc.
- b. Acid Proof Coating of Stage-II Penstock
- c. Installation and commissioning of Penstock Protection BFV System of Khandong
- d. Annual Planned Maintenance of Khandong Unit# I & II.

Decisions as per previous meetings: (i) Meghalaya System shall be operated by opening of 132kV Mawngap-Nongstoin T/L right from the start of Khandong HEP shutdown. (ii) In normal circumstances no load shedding is required and Meghalaya can continue to cater full demand based on present generation scenario. (iii) In event of tripping of any one circuit of 132kV UmiamStg-I to UmiamStg-III D/C SLDC Meghalaya shall swiftly shed load till loading of 132kV UmiamStg-I to UmiamStg-III S/C is within limit and also increase generation from UmiamStg-I HEP and Leshka HEP. (iv) based on Real Time Condition Mawphlang may be shifted to be fed from Agia side after concurrence of NERLDC, (v) Early restoration of Misa-Kopili-Khandong link by NERTS/NEEPCO.

In the 193rd OCCM,

- NERPSIP informed that Mawngap-Killing line will be commissioned by October'22 subject to RoW clearance.
- NERTS presented the plan for revival of 132kV Khandong-Khleihriat II and shifting the Khleihriat-khandong-Umrangso link to Khandong-Khleihriat line2 from the line1. Also tower no 41 and 42 of Khandong-Kopili II will be disconnected from each other and tower no 133 of 132kV Khandong-Khleihriat I

will be connected with tower no 40 and 41 of Khandong-Kopili II after some modifications in the tower.

- Regarding the shutdown requirement of the extant 132kV Khleihriat-Khandong-Umrangshu link for 3 days (continuous), AeGCL was in disagreement with NERTS.

The sub-committee may please deliberate

B.9. Station supply at Khandong and Kopili Power Station:

Following the discussions in the 189th OCC and in the special meeting held on 27.04.2022 in presence of representatives from NERPC, NERLDC, NEEPCO, NERTS and AEGCL, Khlerihat – Khandong – Umrangshu link was charged as an interim special arrangement.

1. As agreed in the special meeting, AEGCL was requested to extend the PLCC system from Umrangshu to Haflong by 15th May 2022.
2. Since all the CRPs at Khandong Control room are under debris now and it is doubtful for revival of the same, NEEPCO is planning to arrange following CRPs and 220V DC source to charge the Khandong bus radially from Umrangso Sub-station only.

It may kindly be noted that due to Khandong incident, the construction restoration activities of 4x50MW Kopili P.S, 2x25MW Khandong and 1x25MW Kopili Stage-II is badly hampered. Whatever activities are being carried out is based on DG Power only which is not the solution and progress of work has been severely hit.

As a stop gap arrangement following CRPs and 220V DC source shall be arranged by NEEPCO at the earliest.

- 132KV Umrangso bay – 1 No.
 - 132/33KV 7.5MVA & 3MVA – 2 Nos.
 - 33/0.4KV SAT 1MVA – 2 Nos.
 - 33KV Umrangso line – 1 No.
 - 33KV Kopili line – 1 No.
3. As discussed in 192nd OCC, NEEPCO has sent consent letter for becoming Bulk power consumer of APDCL for the consumption of construction power for restoration works of Khandong HEP. Further NEEPCO shall be sending weekly

SEM reading to Assam/NERLDC. Also, NEEPCO requested for installation of 2 nos SEMs at the earliest so that restoration works can be started.

4. In 193rd OCC, GM, NEEPCO proposed space for 2 CRP in old kiosk room near Khandong stage 1 to PGCIL for Panel installation for 132kV Khliehriat-Khandong - 2 line and 132kV Khandong-Kopili line 2.

The sub-committee may please deliberate

B.10. Implementation of Guwahati Islanding Scheme:

In the 190th OCCM, DD, NERPC stated that in the Special Meeting on 13th May'22 it was decided that dedicated fiber is required in order to ensure Cyber Security. AEGCL intimated that Dedicated Fiber is available in the link SLDC – Sarusajai – Mirza – Boko – Agia – BTPS – BgTTP and offered the same for the Islanding Scheme. The forum requested NERTS to explore the availability of dedicated fiber. Member Secretary, NERPC stated that after budgetary offer is received from at least two vendors the DPR will be finalized.

In 193rd OCC, Member Secretary, NERPC informed the forum that in the Special Meeting on the 10th August'2022 the queries of M/s GE, M/s ABB, M/s SIEMENS were clarified by the Empowered Committee for DPR preparation. Further additional inputs from APGCL, AEGCL, NTPC are to be submitted immediately and thereafter estimates would be prepared by the vendors. It was expected that the inputs from the vendors would be received in time for finalization of DPR by 31st August'2022.

The sub-committee may please deliberate

B.11. Furnishing details of upgraded UFR settings alongwith list of feeders and quantum of load:

Status as updated in the 193rd OCC meeting:

Name of the state/utility	Submission of revised UFR list	Implementation of revised settings	Status of mapping
Ar. Pradesh	Submitted	Stg-1 (49.4Hz) implementation in new feeders. UFR to be procured by July'22, implementation to be done by Mar'23**	By July' 22*
Assam	Submitted	Completed except Mirza(UFR to	To be modified by

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		be shifted to 33kV level from 132kV).**	July'22
Manipur	Not submitted	No extra shedding required only Stage upward revision to be done.	To be done
Meghalaya	Submitted	17 out of 17 feeders completed. Forum requested to share the points with RLDC SCADA	Stage I mapped except one feeder, to be done as soon as possible
Mizoram	To be submitted	Completed	By Aug'22 subject to resolving of SCADA issues***
Nagaland	Submitted	Completed	Mapped except Stage-I feeders
Tripura	Submitted	Stage-1(49.4Hz), Stage-2 (49.2Hz), Stage-3(49Hz) require installation of UFR. – Procurement by Aug'22 and installation by Sept'22	To be done by the end of this month except for Non-RTU lines

*No RTUs available for the selected feeders, DPR being prepared. The forum requested to share the SLDC display with NERLDC.

**waiting for Guwahati Islanding scheme to come. UFR to be put into that scheme

***Forum requested to resolve the communication issue and meanwhile share the SCADA display with the RLDC.

In 193rd OCC, the forum noted that visualization and data availability for Stage-I of UFR must be made available on priority in view of recent occurrences of low frequency events. Further, SCADA displays including SCADA data points being

implemented for UFRs must be promptly shared with NERLDC SCADA Team as soon as the displays are made available at all SLDCs.

The sub-committee may please deliberate

B.12. Primary Frequency Response testing plan of remaining units in NER:

Primary Frequency Response Testing of generator units is being carried out in line with the Clause no.5.2(g) of Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010.

Schedule as agreed in the 193rdOCC meeting:

Region	Station	No.of generators	Suggested Schedule		Duration (days)
			Test Start	Test End	
NER	NEEPCO-Monarchak	1	26 th July'21	28 th July'21	3(done)
NER	NEEPCO-Kameng	1 (by M/s Solvina)	Oct'22	Oct'22	2
NER	OTPCL-Palatana	2	Oct'22	Oct'22	4
NER	Doyang-NEEPCO	2 (by M/s Siemens)	Aug'22	Aug'22	4(water level to be sufficient enough to run the units at full capacity)

NEEPCO and OTPC may please update.

NERLDC proposal:

Replacing 2 units of Doyang HEP by 2 units of Kameng for PFR testing by M/s Siemens Limited

M/s Siemens Limited has been assigned for Primary Frequency Response Testing of 2 units of Doyang HEP. As informed by NEEPCO in the 192nd OCCM that water level at Dyang HEP is hovering around 311 mts only while for running units at full capacity the water head level required is 324 mts. Considering the rainfall patterns of the monsoon this year, probability of water level not reaching the desired level is profound. Hence NEEPCO requested for shifting of the PFR test at Doyang HEP to next year.

As per the procedure for PFR testing, tests are to be conducted at three load levels:

- At 90-100 % of Generating unit MCR (Maximum Continuous Rating)
- At 60 % of Generating unit MCR
- At 20% of Generating unit MCR

The issue was analysed at NLDC end as well. Further it was gathered from Doyang HEP that there is shortage of sufficient head at Doyang HEP and operation of even one unit

at full load is not possible under existing circumstances. It was conveyed that the rated generation is not possible in ongoing monsoon season and same is not expected this year.

In view of the same and as per the discussion with NLDC, it is suggested to replace 2 units of Doyang HEP with other hydro units. In case of 4*150 MW of Kameng (NEEPCO), one unit of Kameng has been allocated to M/s Solvina India Pvt Limited. It is suggested that 2 units of Doyang HEP allocated to M/s Siemens Limited may be replaced with 2 units of Kameng to M/s Siemens Limited. The testing of Kameng units of 150 MW size would also be a better option than 25 MW units of Doyang for primary response perspective.

The sub-committee may please deliberate.

B.13. Regular furnishing of Patrolling report for all Important Lines to NERLDC/NERPC

There is a requirement of regular and proper maintenance of transmission lines. It is requested to carry out the patrolling activities as per Cl.No.23(2), (3) &(4) of CEAGrid Standards Regulation,2010 on regular basis and submit the report to NERPC/NERLDC.

It is requested to upload DR, EL& FIR outputs for transmission lines in the NERLDC tripping portal in line with Cl.5.2 R of IEGC 2010 Regulations.

In the 191st/ 192nd/193rd OCC, Member Secretary, NERPC took strong note of the non-submission of patrolling report by the utilities in spite of repeated persuasion. He directed all the utilities to submit the patrolling report for all Important Lines to NERLDC/NERPC periodically. The forum requested NERPC to send letters to states in order to urge them to submit patrolling reports.

The sub-committee may please deliberate

B.14. Monthly Review of LGBR

PARTICULARS (Peak Demand in MW as per LGBR vs Actual)	June 22 (LGBR)	June 22 (Actual)	July-22 (LGBR)	July-22 (Actual)	Aug-22 (LGBR)	Aug-22 (Actual)
Arunachal Pradesh	160.60	137	155.75	119	162.00	154.72
Assam	1970.07	2059	1978.00	2231	2261.81	2378.85
Manipur	226.60	198	232.05	201	206.25	206.79
Meghalaya	375.93	342	343.84	332	332.97	348.369
Mizoram	105.89	118	107.29	119	106.81	118.68
Nagaland	141.64	150	159.58	159	184.99	161.8
Tripura (exc. Bangladesh)	329.31	306	307.22	319	310.49	323.95

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NER DEMAND (exc. Bangladesh)	2983.50	3193	3019.86	3482	3258.70	3599.76
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PARTICULARS (Energy Requirement in MU as per LGBR vs Actual)	June 22 (LGBR)	June 22 (Actual)	July-22 (LGBR)	July-22 (Actual)	Aug-22 (LGBR)	Aug-22 (Actual)
Arunachal Pradesh	64.37	76.5	79.8	82.03	82.43	79.7
Assam	1034.39	995.940	1132.23	1249.06	1187.80	1320.510
Manipur	80.42	76.95	84.93	82.37	84.96	83.090
Meghalaya	163.60	164.79	202.73	183.22	180.84	185.320
Mizoram	55.61	52.2	51.75	55.82	50.07	55.498
Nagaland	77.56	79.18	81.60	84.48	83.69	86.180
Tripura (excl. Bangladesh)	130.48	134.19	149.34	166.03	151.58	168.6
NER DEMAND (exc. Bangladesh)	1612.88	1580.46	1776.71	1903.873	1788.46	1979.643

The sub-committee may please deliberate.

B.15. Installation of AWS by IMD Guwahati

It was informed in 158th OCCM that RMC, IMD, Guwahati would install Automatic Weather Station (AWS) in NER. As per the proposed list of stations by the constituents, IMD has surveyed the stations and has mentioned the requirement of NoC for the suitable stations.

As per minutes of 189th OCCM,

- a. MSPCL and P&ED Mizoram to submit the list of additional stations for installation of AWS. DoP, Nagaland has provided list of 14 stations for inspection. IMD is requested to plan inspection of site selection for the same.
- b. DoP AP, AEGCL and MePTCL to provide latest update on issuance of NoC for selected sites. NoC is received from Tripura for 6 stations so IMD may provide AWS installation schedule for the same.
- c. Further, IMD is requested to visit the stations of Mizoram, Nagaland, NEEPCO, POWERGRID and NTPC for site selection for AWS.

In 191st OCC some states had expressed the need for entering into MoUs with IMD in order to clarify on various issues.

192nd OCC, IMD agreed to enter into an MoU with the states. Forum asked IMD to prepare a draft MoU and send to the states for approval and designate a contact authority for each state. Also Forum asked IMD to install AWS in Tripura early.

In the 193rd OCC, IMD informed that MoU preparation is under process. DGM, SLDC Tripura informed that two more sites has been accepted by IMD, i.e. Bagafa and

Gournagar. He further informed that AWS equipments have reached the sites at Budhjungnagar and Bagafa and civil work will start next week.

Also, Meghalaya informed that NoC has been given to IMD for four more sites. After detailed deliberation, the forum requested IMD to expedite the process of MoU finalization and installation of AWS in Tripura.

The sub-committee may please deliberate

B.16. Recommissioning of 1X25 MW Khandong Stage-II plant

NEEPCO is planning to re-commission and synchronize 1X25MW Khandong Stage-II unit within this current financial year. Since all the Control & relay panels are submerged and damaged beyond repair during the inundation on 26.03.2022, for successful commissioning and evacuation of the generated power, the Khandong Switch Yard has to be adequately restored within February – 2023.

Present Status:

1. One CRP for Khandong-Umrongso feeder at Khandong end is procured and expected to commissioned within August 2022.
2. One Temporary KIOSK rom has been identified and Cable trenches are under Construction and, cables are being re-routed.

Required Action at 132KV Khandong Swityard:

1. Present bypass system of Khlerihat – Umrongso feeder through Kopili Circuit-II bay bypass isolators to be withdrawn.
2. For reliable evacuation of Khandong Stage-II Unit power, in addition to 132KV Khandong Umrong feeder, at least one more feeder is required to be re-instated.
3. NEEPCO proposes connectivity between 132KV KhandongSY and 132 Khlerihat SY (PG) may kindly be established through 132KV Kopili Circuit-II bay of Khandong SY.
4. For the above, NERTS, POWERGRID is requested to install 1(one) BCU based CRP including data connectivity before Febreuary-2023.
5. PGCi is requested to ensure the installation of FO panel for data transfer to NERLDC before synchronization of the Khandong Stage-II.
6. Commercial Energy meters& DCD meters are to be provided& installed prior to synchronization of the unit.
7. Since AEGCL is already having a PLCC system in Umrongso Substation, it is requested to AEGCL, if possible, to restore PLCC communication in Umrongso feeder after the commission of CRP at Khandong end.

8. The required space for the panels and auxiliaries like battery bank etc. are to be intimated well in advance to NEEPCO for arranging the same in a temporary kiosk room.

In the 192nd OCC DGM(AM), NERTS informed that to restore the original 132kV Khliehriat-Khandong-2 and 132kV Khandong-Umrangso lines two D/C towers are required for which the work is under way. The forum noted that for the commissioning of 132kV Khliehriat – Khandong -2 and 132kV Khandong – Umrangso CRP & Communication panels are to be installed and requested NERTS & NEEPCO/AEGCL respectively to take it up on priority. Regarding positioning of panels, cabling, construction of Kiosk etc. the forum requested NERTS, NEEPCO to undertake a Joint Survey and revert back in next OCC meeting.

In the 193rd OCC, the forum noted that 132kV Khliehriat-Khandong-Umrangso link is presently in service without telemetry/SCADA. AGM, SLDC, AEGCL committed that one PLCC panel for Umrangso line shall be shifted to Khandong by Aug'22.

Regarding, installation of CRP of Khlerihat Khandong#2 & Khandong Kopili#2, GM, NEEPCO proposed space for 2 CRP in old kiosk room near Khandong stage 1 to PGCIL for Panel installation for 132kV Khliehriat-Khandong - 2 line and 132kV Khandong-Kopili line 2.

The sub-committee may please deliberate

B.17. Outage of State-owned generating stations in Meghalaya System:

As per NERLDC records, many state-owned generators of Meghalaya are in outage since long as per following table.

Plant	Outage date	Reason	Expected revival date
Umtru Units 2,3 & 4 (2.8 MW each)	2015	Not furnished	Report by 20 th August
Unit 3 (42 MW) Leshka	27 th Jun'22	vibration in unit	6 months to 1 year

The sub-committee may please deliberate

B.18. Tower schedule of 220 KV D/C Transmission line (from Zhadima 400/220 KV GIS Substation to Zhadima 220 KV Substation)

As per Tower schedule of 220 KV D/C Transmission line (from Zhadima 400/220 KV GIS Substation to Zhadima 220 KV Substation) submitted by SLDC, DOP, Nagaland, it is observed by KMTL that:-

“The deviation angle considered for 1st Tower installed near to 220 KV Gantry at Kohima Substation is having angle of 48°44'27", which is very much higher than as per CEA guideline. This need to be reviewed once again by DOP, Nagaland”.

In 192nd OCC EE, DoP Nagaland intimated that topography of the area poses restrictions in reducing the deviation at the 1st Tower installed near the Gantry. He conveyed that only option to reduce the deviation angle is to either modify the tower cross arm or modify the gantry, which can be finalized only after a joint survey is undertaken by KMTL and concerned officials of DoP Nagaland. He requested KMTL to approach DoP Nagaland head office and conduct a joint survey. The forum then requested KMTL to approach DoP Nagaland for the same.

In 193rd OCC, SDO, DoP Nagaland informed the forum that no joint survey had taken place as KMTL had not approached them till then.

KMTL may update

The sub-committee may please deliberate

B.19. Proposed shutdown of OTPC palatana Unit 1

OTPC has requested shutdown of UNIT 1 of OTPC Palatana plant for Annual Baroscopic inspection of GT-1 and annual NDT of GT-1 followed by line water wash of GT-1 from 10th October to 17th October 2022.

In the 193rd OCC, Tripura along with other beneficiaries of the Plant gave in principle consent to the proposed shutdown subject to strict adherence to the schedule but suggested to discuss again in next OCC meeting.

The sub-committee may please deliberate

B.20. Proposed Deemed grant of GNA in line with CERC (Connectivity and General Network Access to the ISTS) Regulations, 2022

As per Regulation 18.1(d) of CERC (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022 notification dated 19-07-2022, CTU as a Nodal Agency has to bifurcate the Deemed GNA Quantum of STUs (as provided in Annexure-C3.1) within 30 days of notification of these regulations into two parts as:

- (i) GNA within the region
- (ii) GNA from outside the region.

This bifurcation has to be in proportion to contracts, within the region or outside the region, under Long Term Access and Medium term Open Access obtained in terms of Connectivity Regulation, 2009.

In this context CTU has prepared the bifurcation of Deemed GNA quantum of states and other entities within and outside the region based on LTA/MTOA contracts/CGS power allocation for the billing month Jul'22 under CERC Sharing regulation 2020

In the 193rd OCC the forum had requested the states to analyse their respective GNA quantum and its bifurcation and revert with feedback to CTU at the earliest. Also it was stated that any need of further clarification and discussion would be looked into and might be undertaken in the next OCC meeting.

The sub-committee may please deliberate

B.21. Durga puja power scenario of Tripura

It is experienced that this year Demand of Tripura during Durga Puja may touches 350 MW excluding Bangladesh drawal. The proposed availability, Demand and short fall during Oct,2022 are as follows:

Availability

ISGS 232MW, Monarchak 95 MW, State Generation 62 MW i.e. in total 389 MW

Demand

State Demand 350 MW, Bangladesh 160 MW Restricted i.e in total 510 MW.

Short fall

130 MW including Mizoram

TSECL is planning to Purchase power from Banking, DAM, RTM etc.

It is earnestly request to NERPC, NERLDC to look into the matter for healthiness of the Tripura system. Moreover, TSECL is requested Mizoram not to schedule Baramura Power during 17.00 hrs to 24.00hr and 00.00 hrs to 03.00 hrs i.e. 10 hrs in a day from 30th September,2022 to 05thOct,2022.The same quantum will be returned during December as convenient of Mizoram.

In the 193rd OCCM, the forum decided that Tripura cannot meet the projected 510MW demand and the same shall have to be restricted to 470MW (in order to avoid state periphery ATC/TTC violations and cascade tripping) and thus requested TSECL to pursue with Bangladesh for reduced drawl during Peak Period.

Subsequently, Tripura, via email dated 7.09.2022 informed NERPC the following-

Present Availability

ISGS 232MW, Monarchak 90 MW, State Generation 62 MW i.e. in total 384 MW

Demand

State Demand 350 MW, Bangladesh 160 MW Restricted i.e. in total 510 MW.

Short fall

130 MW

TSECL is planning to Purchase power from DAM, RTM etc.

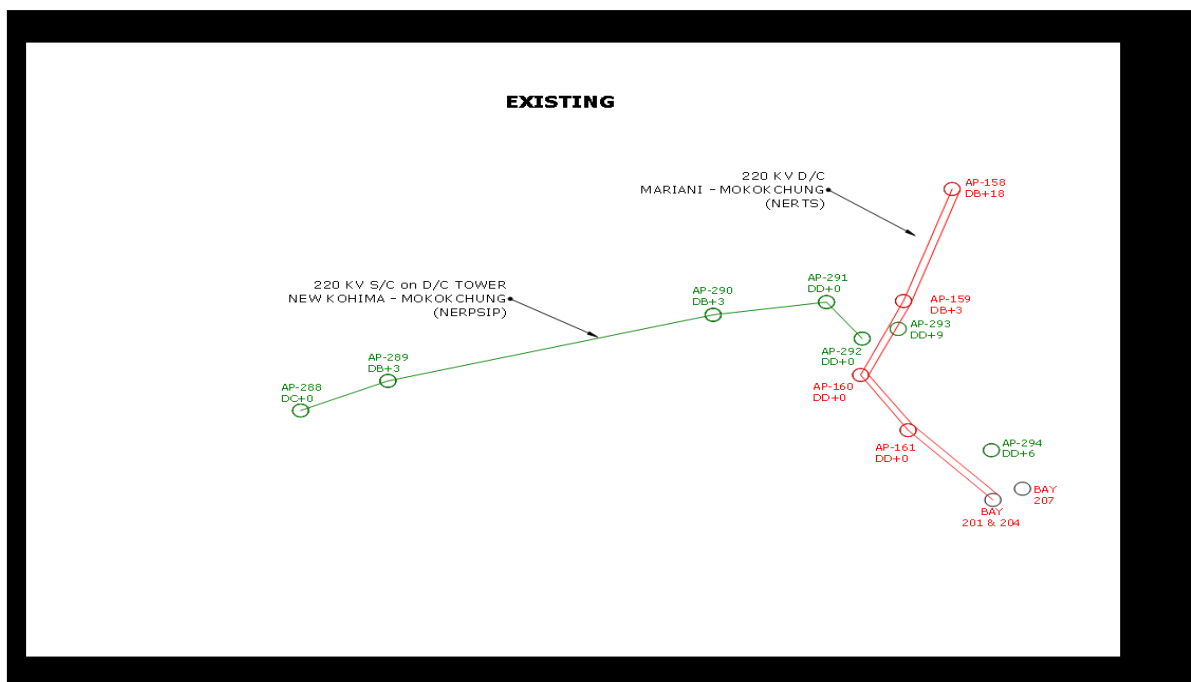
In the last OCC it was discussed that Tripura cannot draw 510 MW and same shall be restricted 470 MW. TSECL has pursued the matter with Bangladesh for reduced drawl. Hence it is requested NERPC and NERLDC to restrict the Bangladesh drawl up to 110 MW during Puja Days from 30th September, 22 to 6th October, 22 during 17.00 hrs to 24 hrs and 00.00 hrs to 02.00 hrs.

The sub-committee may deliberate

B.22. Requirement of shutdown for executing bay exchange and line swapping for 220kV New Kohima – Mokokchung TL under NERPSIP Nagaland:

Under the scope of NERPSIP, 220kV New Kohima GIS bay at 220/132kV Mokokchung GIS (POWERGRID) is completed and associated 220kV New Kohima – Mokokchung Transmission line on the verge of completion. However, due to non-availability of adequate corridor for crossing the existing 220kV Mariani – Mokokchung TL by the newly constructed line, swapping of the two lines near the substation and exchange of the bays at the substation is required. Matter has also been intimated to DOP.

The swapping of the transmission lines are proposed to be carried out from 07.09.2022 and since one number tower erection along with de-stringing and re-stringing of both the lines are required to be carried out only after obtaining shutdown of the existing 220kV D/C MarianiMokokchung TL. The minimum shutdown requirement shall be of 18 days.



In the 193rd OCCM the forum had requested DoP Nagaland to intimate suitable timeline for the proposed shutdown of 220kV Mariani-Mokokchung D/C so that swapping of the two lines near the substation and bay exchange work at 220/132kV Mokokchung substation can be carried out.

DoP Nagaland may please update

B.23. Status of 132kV Rokhia-Rabindranagr DC

TSECL verbally informed in the 192nd OCC forum about the readiness of 132 kV Rokhia-Rabindra Nagar D/C but the line has not come into service till date.

TSECL is requested to update the present status of:

- Commissioning of 132 kV Rokhia-Rabindra Nagar D/C,
- Present status of telemetry at Rokhia and Rabindra Nagar substation.
- Following data may be provided prior to FTC:
 - 1) Downloadable Relay settings and undertaking in respect of Protective systems to be submitted.
 - 2) Single line diagram
 - 3) Undertaking in respect of Telemetry and communication to be submitted and data to be made available at NERLDC
 - 4) SAMAST metering details
 - 5) Technical parameters of the transmission element required for network modelling.

In the 193rd OCC TSECL assured the forum that all FTC requirements for state owned transmission elements as approved by OCC forum will be followed while charging the 132 kV Rokhia-Rabindra Nagar D/C. After detailed deliberation the forum asked NERLDC to pose the requirement of PDMS data compliance on TSECL for giving FTC clearance of the line.

Status update on charging of the lines is to be provided by Tripura.

*Grid disturbance on 14:53 hrs of 05.09.2022 leading to blackout of 132kV Monarchak bus, 132kV Rokhia bus along with radial connected 132kV Rabindranagar S/S could have been averted if the lines were in available.

Tripura may please update

B.24. Non-receipt of Quarterly RPO Compliance details from Arunachal Pradesh:

As per MoP RPO Order vide 29th January 2021, POSOCO will maintain data related to compliance of RPOs. In line to that necessary communication had been sent to all SLDCs and we are receiving the data on regular basis from all SLDCs except SLDC,

Arunachal Pradesh even after lots of persuasion. SLDC, Arunachal Pradesh is requested to furnish the desired data (from FY 2021-22 till date) at the earliest.

Because of non- availability of data, Arunachal data had been submitted based on available resources of NERLDC but the same has not been matching with CEA RE generation report (as verbally reported from MNRE). So, it is also requested to submit correct data to avoid such kind of mismatch in different reports.

In 193rd OCCM The forum requested Arunachal Pradesh to provide the name of contact person who is the nodal person assigned to collect RPO compliance data before next OCC meeting.

The sub-committee may please deliberate

C. NEW AGENDA ITEMS

Agenda from OTPC

C.1. OTPC Palatana unit 1 tripping due to oscillation

The OTPC Palatana U-1 was tripped on 11th June 22 and the same was discussed in 192nd OCC and it was decided to have special meeting to address the issue. On 18th Aug 22 at 23:52 LFO was again observed though its magnitude was low but 10 to 15 MW load variation in GT-1 & GT-2 was observed.

The forum may discuss

Agenda from Assam

C.2. Ampacity augmentation of 220kV Misa-Samaguri DC owned by PGCIL

To avoid overloading of 220kV Balipara-Sonabil ckt.1 during peak hours, 220kV Sonabil-Samaguri D/C needs to be opened on regular basis as per instructions issued by NERLDC, POSOCO. Load catered by these lines (around 60MW) during such period gets transferred to 220kV Misa-Samaguri D/C. Thus at times, it is observed that combined loading of 220kV Misa-Samaguri D/C reaches 280MW and beyond. In such a situation, tripping of any one of the 220kV Misa-Samaguri D/C may lead to cascade tripping in Samaguri area as well as Assam Capital area which will result in total blackout in these areas.

Therefore, our humble request to the forum is to instruct PGCIL for capacity augmentation of 220kV Misa-Samaguri D/C. PSDF may be considered as a source of funding for this proposed augmentation.

The forum may discuss

C.3. Proposal for approval of new 220kV line connecting 132kV Behiating GSS and 132kV Chilapathar GSS

In north bank of Upper Assam, Dhemaji and Silapathar GSS receives power in radial mode via 132kV N Lakhimpur-Dhemaji line. Further a new Grid Substation has been proposed by AEGCL at Jonai which has been cleared recently by CEA. Line from Silapathar GSS will have to be extended to Jonai. Jonai can be connected to Pasighat of Arunachal Pradesh at 132kV level. However, the North Lakhimpur-Dhemaji-Silapathar line section is single circuit as on date. Even after the commissioning of the proposed 132kV D/C North Lakhimpur-Dhemaji line, Dhemaji—Silapathar-Jonai will still have single circuit connectivity leaving Silapathar & Jonai without redundancy.

The state Discom, i.e., APDCL has requested AEGCL to plan for an alternative route for evacuation of power to the Northern bank of Upper Assam. APDCL has suggested

that Silapathar GSS be connected with Behaiting GSS through a new Transmission line over the river Brahmaputra. The bee line distance is of 25km approx. AEGCL therefore request the forum to offer its concurrence for the 132kV D/C Behaiting-Silapathar TL.

The forum may discuss

C.4. Request for support from OCC forum for extension of time for completion of R&U and BCU projects of AEGCL under PSDF

The R&U, BCU and SAS part of PSDF project has remained incomplete at 8 Nos of Substation of AEGCL substations (Agia, Boko, Rangia, Sishugram, Mariani, Bokajan, Nazira and Jorhat). This is due to exit of M/s ERL following their bankruptcy and subsequent incorporation in NCLT. To complete the balance work, M/s Siemens was roped in and agreement was signed accordingly.

But, M/S Siemens has been apprising AEGCL that delivery timeline of major electronics devices like Ethernet switches, IPCs, Meters etc. has increased due to acute shortage of Semiconductors, Micro Controllers and miscellaneous other electronic devices throughout the globe. This has led to increase in time for manufacturing and deliveries. As such, M/s Siemens Ltd. is apprehensive about completion of the project within the stipulated completion period and has informed AEGCL that project completion time derived will be around July, 2023. AEGCL signed contract with M/S Siemens for the work with completion time of May 2023 AEGCL therefore request the forum to kindly endorse AEGCL's request for time extension up to 31st July 2023, so that AEGCL can take further necessary steps.

The forum may discuss

Agenda from Tripura

C.5. Fixed and energy charges of ISGS

Fixed and energy charges of ISGS is required to be published every month.

Agenda from NERLDC

C.6. Long outage of Grid Elements

1. 400 kV STG-1 Main Bay at OTPC Palatana: At 13:27 hrs of 11.06.2022, STG-1 main bay at Palatana tripped along with STG 1 and GTG 1, due to loss of flame of GTG 1. The module was revived at 20:19 hrs of 11.06.2022, however the mentioned bay was kept open since then. As per verbal communication with OTPC Palatana, reason of outage was mentioned as DC E/F in the bay. The bay is still under outage.

2. 400 kV Bongaigaon-Byrnihat L/R at 400 kV Bongaigaon (PG): Planned shutdown of 400KV Bongaigaon - Byrnihat TL along with L/R was availed by NERTS on 08:17 hrs of 25.07.2022 approved on daily basis. However, the line was charged without L/R and the same is out till date
3. 132 kV Kohima-Meluri T/L- The line is under outage since 17:45 hrs of 23.06.2022 due to tower collapse. Status of restoration of the line may please be updated by Nagaland.

The forum may discuss

C.7. Delay in charging of 132 kV AGTCCPP -PK Bari D/C on 28.08.2022

On 28.08.2022, 132 kV PK Bari (TSECL) Bus shutdown was availed on daily basis in planned nature. On return of shutdown, charging of 132 kV Main bus of PK Bari (TSECL) S/S was permitted vide code 2022-23/08/6153 at 17:17 hrs. The bus was charged at 17:38 hrs. However, 132 kV AGTCCPP-PK Bari (TSECL) D/C lines were restored at 18:20 hrs.

Such delay in charging of lines during peak hours leads to vulnerable situation in the grid specially when the lines are connected to a generating station.

Concerned utilities may furnish the reason for such delay.

The forum may discuss

C.8. Low and high demand season declaration for NER for FY 2023-24:

In compliance to clause: 42 of section: 3 in chapter: 11 of Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019, High Demand and Low Demand season for FY 2023-24 are declared as follows based on the analysis of SEM based monthly energy consumption of NER beneficiaries in FY 2021-22:

High Demand season: July, August and September.

Low Demand season: April, May, June, October, November, December, January, February and March.

Monthly Energy Consumption of NER beneficiaries for FY 2021-22 (based on SEM data) is attached in **Annexure 1**.

The forum may discuss

C.9. Availing Shutdown of Important Grid Elements of NER without prior Approval by Tripura:

It has been observed that in the recent past, Tripura has availed planned shutdown of Important Grid Elements of NER without prior approval of the OCC forum and without following the outage procedure. Tripura has been advised several times in

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the past to refrain from such practices. In this regard, minutes of 181st OCC held on 20/08/2021. For your ready reference, shut down of important grid elements taken in the recent past without prior approval, is appended below:

Sl.No.	Element Name	Outage date	Outage time	Revival date	Revival time	Reason of Outage/Remarks*
1	132KV-AGARTALA (79 TILLA)-ROKHIA-2	06-Sep-22	09:38	06-Sep-22	16:55	Pre-puja Maintenance *132 kV Dullavchera-Dharmanagar, 132 kV PK Bari(ISTS)-PK Bari (TSECL) & 400/132 kV ICT -2 at Palatana were already approved S/D.
2	132 kV JIRANIA S/S MAIN BUS	04-Sep-22	11:25	04-Sep-22	16:45	Pre puja maintenance *132 kV Udaipur Bus, 132 kV Agartala-Dhalabil were already approved S/D
3	132KV-KAMALPUR-PK BARI	30-Aug-22	09:35	30-Aug-22	16:55	Pre puja maintenance *132 Budhjungnagar-SMNagar(ISTS) was already approved S/D
4	132KV-GAMAITILLA - AMBASSA	24-Aug-22	09:09	24-Aug-22	15:58	Pre puja maintenance *132 kV Monarchak-Udaipur, 132 kV Mission Tilla-Dullavchera were already approved S/D
5	132KV-BARAMURA - GAMAITILLA	23-Aug-22	09:30	23-Aug-22	15:58	Pre puja maintenance *132 kV Monarchak-Rabindranagar was already approved S/D
6	132KV-KAMALPUR SS I/C ALL 11 KV FEEDER	21-Aug-22	09:39	21-Aug-22	16:05	Pre puja maintenance *132 kV Bus 1 of Grid S/S with 132 kV

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						Agartala -Rokhi 1 & 2, 132 kV Gamaitila-Ambassa were already approved S/D
7	132KV-DHALABIL SS I/C ALL 11 KV & 33 KV FEEDER	21-Aug-22	10:08	21-Aug-22	15:14	Pre puja maintenance *132 kV Bus 1 of Grid S/S with 132 kV Agartala-Rokhi 1 & 2, 132 kV Gamaitila- Ambassa were already approved S/D

Thus, Tripura is once again requested to obtain prior approval of the planned outages of the important grid elements in OCC forum as per outage planning procedure so as to ensure secure & reliable grid operation. In this regard, NERLDC has issued letter to SLDC Tripura on Dated 07-09-2022 and the same is available in **Annexure-2**.

The sub-committee may please deliberate

C.10. Occurrence of Multiple grid disturbance in Gohpur and radially connected areas of Assam Power System

Repeated GDs of category GD I have occurred in Gohpur and radially connected North Lakhimpur, Dhemaji and Majuli areas of Assam Power System within a short span of time on 03.07.22, 14.08.22 and 03.09.22 with load loss 106 MW, 110MW & 44MW respectively due to tripping of 132kV-Gohpur-Pavoi D/C.

Assam may kindly intimate the present status of LILO of 132 kV BNC(PG)-Itanagar ckt 2 at Gohpur S/S.

The forum may discuss

C.11. Near miss incident at 400 kV Silchar Bus I at 10:00 Hrs on 03.09.22

As you are aware that at 10:00 Hrs on 03rd September'22, a near miss incident causing threat to the security and reliability of the NER Grid occurred due to tripping of all the elements connected to 400 kV Silchar Bus I

From DR output analysis from Silchar end, R-Ph to E fault was observed in 400 kV Silchar- Killing line and fault was cleared from Silchar delayed by 563 msec (No carrier aided tripping) on Z-II. Only R & Y pole Main CB opening was observed from

DR digital channels which are a cause of serious concern. Due to non-operation of B Pole Main CB, LBB Protection operated after a time delay of 1.059 sec.

At the same time, healthy 400 kV Misa - Silchar 1 Line tripped from Misa end on Directional E/F within 203 msec which seems to be mal-operation.

NERTS may kindly check the following:

- Time delay setting of LBB Protection at Silchar.
- ROT of DEF, TMS setting at Misa for Silchar I
- Root cause for B Pole CB stuck up and its remedial action
- Non received of carrier signal from Byrnihat

The sub-committee may please deliberate

C.12. Status of Installation of TLSA in 400kV Silchar-Azara T/L & 400 kV Silchar-Byrnihat T/L

A near miss incident occurred on 6th Sep'22 at 18:45 hrs due to tripping of 400 kV Silchar-Killing & Silchar-Azara line. 400 kV Silchar-Imphal DC and 400 kV Silchar-Misa line II were already under shutdown. The southern part of NER grid was connected with only 400 kV Silchar-Misa line I, 132 kV Badarpur-Khleihriat line & 132 kV Loktak-Jiribam line, thus causing threat to the security and reliability of the southern part NER Grid system.

During the 22nd TCC & 22nd NERPC Meeting deliberation held on 26th and 28th March 2022, RPC approved the installation of TLSA under Capital Expenditure on recommendation of TCC.

NETC may intimate the latest status of installation of TLSA.

The forum may discuss

C.13. Participation in LDC excellence award through online portal

As per deliberation in 193rd OCCM, the forum requested all the state SLDCs to actively participate in 2nd Edition LDC Excellence Award-2022 and submit their nomination. Also, it has been decided by Jury members to fill up the LDC Excellence Award Nomination form-2022 through online Portal. In view of this, the online portal has been developed by FOLD and demo for filling the Nomination Form has been given during FOLD Meeting held on 07.09.2022.

It was requested by NERLDC vide email dated 25.08.2022, to nominate at least two officials from respective SLDCs along with HR Person with contact details such as designation, WhatsApp contact number & email ID for necessary and smooth coordination.

It is requested to submit the details at the earliest.

The forum may discuss

Agenda from PGCIL

C.14. Reconstruction of Residential and Non-Residential Building at various stations of NERTS due to very dilapidated/non-livable condition: -

POWERGRID/NERTS

Residential and Non-Residential buildings were constructed at Haflong, Jiribam, Aizawl, Kumarghat, Salakati, Misa, Dimapur&Imphal under Additional Transmission for GohpurItanagar (ATGI), Chukkha project, Transmission System associated with Doyang HEP (Combined Element) and Transmission system associated with Loktak HEP respectively. These buildings were constructed in year starting from 1983 and have completed around 28-39 years.

It is observed that due to ageing, these buildings have developed cracks and deteriorated and are not in liveable condition. In order to ascertain Structural Strength of these buildings, Structural Assessment of Residential & Non-residential buildings was carried out at Salakati, Haflong, Jiribam, Aizwal and Kumarghat through third party e.g. Bineswar Brahma Engineering College, Assam (Govt. institute AICTE approved).

Based on their assessment, it is found that the structures are quite unsafe and not in liveable condition. Further, it is mentioned that renovation may also not lead to any improvement in the strength of the buildings. In view of safety and security of employees (which are also a part of the system), it is not advisable to use these buildings for residential/non-residential use.

As manpower deployed in substations is an integral part of the system and since round the clock availability of manpower is essential for smooth O&M of these important Sub-stations, it is prudent that the residential/non-residential buildings are to be reconstructed as per present requirement.

Accordingly, as per present requirements, it is proposed for demolition and reconstruction of 16 nos quarters at Haflong, Jiribam, Aizawl&Kumarghat, 08 nos quarters at Salakati substation, 20 nos. Residential quarters at Misa, Dimapur and Imphal Substation under O&M ADDCAP 2019-24 tariff block. Moreover, 1 no Transit camp, and Admin building each at Haflong, Jiribam, Aizawl, Kumarghat, Dimapur and Imphal substation are also needs to be demolished and reconstructed under ADDCAP.

Accordingly, it is proposed for construction/demolition of buildings as per following details:

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Name of Substation	Const. Year	No of Quarters to be demolished	Nos of quarters to be Constructed	Estimated Cost (Rs. In Cr.)
ATGI Project				
Haflong	1987	16	16	4.36
Jiribam	1985	16	16	4.52
Aizawl	1988	16	16	4.21
Kumarghat	1989	16	16	4.38
Transmission System associated with Doyang HEP				
Misa	1994	20	20	5.48
Dimapur	1995	20	20	5.48
Transmission system associated with Loktak HEP				
Imphal	1983	20	20	5.48
Chukkha TS				
Salakati	1987	08	08	2.12

Name of Substation	Year	No of Non Residential Building to be demolished	Nos of Non Residential Building to be Constructed	Estimated Cost (Rs. In Cr.)
ATGI Project				
Haflong	1987	1 each	1 each	1.4 Cr
Jiribam	1985	1 each	1 each	1.4 Cr
Aizawl	1988	1 each	1 each	1.4 Cr
Kumarghat	1989	1 each	1 each	1.4 Cr
Transmission System associated with Doyang HEP				
Dimapur	1996	1 each	1 each	1.4 Cr
Transmission system associated with Loktak HEP				
Imphal	1983	1 each	1 each	1.4 Cr

** Non-Residential Building – 1 no Transit camp, and Admin building each

Estimated Cost for Demolition/Reconstruction for Residential & Non-Residential buildings under

- a) ATGI project: Rs.23.07 Crs
- b) Transmission System associated with Doyang HEP project: Rs.12.36 Cr
- c) Transmission system associated with Loktak HEP project: Rs.6.88 Crs
- d) Chukkha TS: Rs.2.12 Crs

The agenda has been taken up in 45th CCM meeting wherein it was discussed that issue may be put up in OCC meeting. Accordingly, the agenda item has been taken up in 192nd OCC meeting wherein it has been finalised that discussion shall be held with counterparts in other region and the forum shall be updated accordingly.

In view of above, it is requested to kindly accord consent for construction of new residential/non-residential buildings after demolition of existing ones at a financial implication as mentioned above in the respective stations/projects.

The forum may discuss

C.15. PLCC & protection related issues at 132kV Tipaimukh S/s

There had been instances of failure of PLCC channel of 132kV Jiribam Tipaimukh & 132kV Aizawl Tipaimukh line. During tripping of 132kV Aizawl Tipaimukh (Zone 2 fault from Aizawl end) on 01.09.2022, AR got failed at Aizawl end due to non-receipt of carrier signal. Similar issue has been observed in earlier tripping also. It was informed that 48 V DC System at Tipaimukh end is not healthy.

Further, on 07/09/2022, during fault in Jiribam Tipaimukh, protection not operated at Tipaimukh end, which has resulted in Zone 3 operation at Aizawl end in Aizawl Tipaimukh Line.

Thereby, the Healthiness of 48V DC System & Protection settings may kindly be ensured to maintain better Grid reliability.

The forum may discuss

C.16. 48V System reliability at Pasighat end

48V System availability is must to attain better Grid reliability with the scope of Auto Reclosure during Transient Faults. However, the 48V Charger (new) though installed at Pasighat end, is connected to a Battery Bank with no Back-up.

Thereby, the Healthiness of 48V System may be ensured to ascertain successful AR attempt and closure on transient faults, to maintain better Grid reliability.

The forum may discuss

Agenda items from NEEPCO

C.17. Issues related Monarchak TGBPS

- a. Very adverse effect on machine due to frequent tripping of evacuation feeders.
- b. Power evacuation through 132KV Monarchak - Rabindranagar- Rokhia line for reliability and stability of grid.
- c. Shutdown of Monarchak Plant from 05/12/2022 to 15/12/2022 for
 - Replacement of Air inlet filter of GTG, Recommended periodical Offline Water Wash of GTG, Statutory Hydro test of Boilers, Condenser cleaning of STG General Maintenance.

The forum may discuss

D. ITEMS FOR STATUS

D.1. Implementation of projects funded from PSDF:

The status as informed in 193rd OCC:

State	R&U scheme	ADMS	Capacitor Installation	SAMAST**	Line Differential Protection
Ar. Pradesh	Package-I (Diagnostic tools) Complete in all respects. P-II (for PLCC & communication) Supply completed. Erection WIP. 50% requisition submitted. P-III (Substation equipment) Agreement signed and 10% requisition submitted. Total 90% requisition by Apr'22. Completion by Dec'22. (Approval from TSA and Account opening in 3 months)	Project completed in all respects.	-	30% requisition submitted.	-
Nagaland	Completed in all respects.	Work completed in all respects. UC submitted.	-	30% requisition submitted	Lines identified. Under DPR preparation stage.
Mizoram	Final 10% disbursed. UC to be submitted.	Work completed in all respects. Remaining part of final 10% to be disbursed ASAP.	To reply to TESG queries.	30% requisition submitted.	Revised DPR including both 132kV Aizawl-Luangmual and 132kV Khamzawl-Khawiva to be submitted.
Manipur	Package-II: completed Package-I: all stations complete except Ningthoukhong. By May'22.	Work completed in all respects. UC submitted in Oct'21.	WIP.	10% disbursed. 20% requisition sent.	Revised DPR for LDP of 132kV Imphal-Yurembam-III to be submitted by June'22.

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	33kV System Integration with SLDC	In tendering stage			
	Reliable Communications for grid connectivity	In tendering stage			
Tripura	Completed. Final UC submitted on 04 th May'22.	Final 10% requisition submitted.	Not relevant in present scenario with commissioning of ISTS lines. Issue dropped	10% funds received. 20% requisition to be sent ASAP	For 132kv 79Tilla-Budhjungna gar line and for Rokhia link LDP at own cost. Tendering undergoing. DPR preparation for rest of the lines
Assam	Work completed except CRP, SAS work in 8stations which have been retendered and awarded to M/s SIEMENS. Completion by Dec'22	Project completed in all respects.	-	30% funds yet to be fully disbursed. 60% requisition sent.	Lines identified. Under DPR preparation stage.
Meghalaya	MePTCL – completed in all respects. MePGCL – Completed in all respects.	Project completed in all respects.	-	30% funds yet to be fully disbursed. 60% requisition sent.	All works except OPGW done

D.2. Status update of important grid elements under prolonged outage impacting system operation:

Sl. No	Element	Owner	Status as informed in the 193 rd OCCM	Latest Status
1	132kV Mariani – Mokokchung (out since April'2008)	AEGCL	Non clearance due to persisting funding issue	
3	132kV Roing-Pasighat (charged through ERS tower)	NERTS	By Mar'23	
4	220kV Misa-Kopili D/C, 220/132kV ICTs at Kopili, 132kV Khandong –Kopili D/C(out since Oct'19)	NEEPCO/ NERTS	October 22	
5	132kV Srikona – Panchgram	AEGCL	DPR submitted to Govt of Assam for administrative approval. Approval awaited. Funding issue. NERPC to issue a letter to Govt of Assam requesting for approval	
6	400kV Imphal – Thoubal-I and 315MVA 400/132kV ICT at Thoubal	MSPCL	RoW, litigation pending in court. By Aug'22	
7	63MVAR Bus Reactor at Byrnihat to be replaced with 80MVAR Reactor	MePTCL	Negotiation reached, Material dispatched, Price resolution underway	
8	Main CB at Zuangtui for 132kV Melriat-Zuangtui	P&ED Mizoram	By Sept'22	
9	Mawlyndep and Khliehriat CBs at Mustem	MePTCL	Oct'22	
10	400kV Silchar-Misackt 2	NER-II TL	Joint survey for restoration through ERS scheduled for sep'22	

D.3. Status of commissioning for upcoming projects:

Sl. No	Name of the element	Utility	Status as informed in 193 rd OCC meeting	Latest Status
1	132kV Monarchak-Surjamaninagar	TSECL	Oct'22. Meanwhile for evacuation of Monarchak, 132kV	

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			Monarchak-Rokhiackt is being provided	
2	PLCC for 132kV Loktak-Ningthoukong and 132kV Loktak-Rengpang(existing lines)	MSPCL	For loktak-Ninthoukong line s/d for installing CVT is scheduled in August'22.For, Loktak-Rengpang line, by March'24	
3	Construction of 2 nd bay at Balipara for 220kV Balipara-Sonabil-2	AEGCL	OEM is awaited for SAS integration	
4	Upgradation of 132kV Lumshnong – Panchgram line	MePTCL	Material has reached the site. Tentative s/d in Sept'22	
5	PLCC for 132kV Karong-Kohima. PLCC at Kohima	DoP Nagaland	PLCC panel at Karong has also to be changed as to ensure same make at both the substations	
6	132kV Loktak-Ningthoukhong-II	MSPCL		
7	132kV Roing-Chapakhowa	NERTS	FC obtained on 10.06.2022. Severe ROW issues. Targeted by Nov'22	
8	Re-conductoring 220kV BTPS-Salakati D/C	NERTS	Outage could not be provided due to high loading. NERLDC suggested to take the outage after High hydro season	
9	420kV 80MVAR Bus Reactor	NEEPCO	By May'23	
10	220kV Killing – Mawngap	NERPSIP	August'22 subject to resolution of RoW issue	
11	220kV Samaguri – Mariani-I	AEGCL	FC awaited	
12	Reconductoring of 132kV UmiamStg-III to UmiamStg-I by HTLS	MePTCL	Material reached the site. Tentative completion by Oct'22	
13	PLCC/DTPC for 220kV Balipara- Sonabil	AEGCL	Will be commissioned along with charging of line 2	
14	220kV AGBPP –Namsai D/C	TBCB	REC (which is the BPC) is yet to issue LoI to Powergrid(L1).	

Agenda for 194th OCC Meeting to be held on 15th September 2022

			36 months after issue of LoI	
15	Upgradation of 132kV Surjamaninagar-Surjamaninagar(ISTS), 132kV Bodhjunnagar-SMNagar, 132kV P.K.Bari-Ambassa, 132kV P.K. Bari-P.K.Bari(ISTS)	TSECL	WIP	
16	LILO of 132kV Leshka-Khliehriat-I at Mynkre and Mynkre SS and 33kV downstream at Mynkre.	NERPSIP	Sep'22	
17	220kV Tinsukia-Behiating D/C	NERPSIP	One foundation left but water logging issue. Targeted by Sept 22	
18	LILO of 132kV Kamalpur-Kamakhyia& 132kV Kamalpur-Sishugram at Amingaon	NERPSIP	Two towers and one span left. AeGCL has set up a high-level committee on the matter. No s/d approval by Assam	
19	220kV Rangia - Amingaon D/C and 220/132kV 2x160MVA Amingaon S/S	NERPSIP	Sep'22	
20	132kV Rengpang-Tamenglong and 132/33kV 4x6.67MVA at Tamenglong at Manipur	NERPSIP	Sep'22	
21	132/33kV 2x20MVA Gamphazol at Manipur	NERPSIP	All works except cable termination done, targeted by August'22	
22	132/33kV West Phaileng S/S at Mizoram	NERPSIP	Ready for charging	
23	132/33kV 2x12.5MVA Marpara S/S at Mizoram	NERPSIP	Sep'22	
24	132/33kV 2x12.5MVA Lungsens S/S at Mizoram	NERPSIP	Sep'22	
25	132kV Lungsens-Chawngte S/C at Mizoram	NERPSIP	Aug'22	
26	132kV Chawngte - S.Bungtlang S/S at Mizoram	NERPSIP	Sept'22	

Agenda for 194th OCC Meeting to be held on 15th September 2022

27	132kV W.Phaileng- Marpara S/C at Mizoram	NERPSIP	Sep'22	
28	220kV Zhadima - Mokokchung at Nagaland	NERPSIP	WIP. By Aug'22 subject to weather condition	
29	LILO of 132kV Wokha - Kohima at 132/33kV New Kohima at Nagaland	NERPSIP	Row at one location still unresolved. By Aug'22	
30	132kV Wokha- Zunheboto - Mokokchung at Nagaland	NERPSIP	By Aug'22	
31	132kV Tuengsang - Longleng at Nagaland	NERPSIP	11 foundations left. By august'22	
32	132/33kV Amarpur S/S at Tripura	NERPSIP	Sep'22	
33	132/33kV Manu(new) S/S at Tripura	NERPSIP	Sep'22	
34	132kV Dharmanagar- Kailashor	NERPSIP	RoW persisting	
35	132kV Ziro-Yazali and 132/33kV Yazali S/S	POWERGRID- Comprehensive	FC obtained. Compensation discussion in progress. By Dec'22	
36	132kV Yazali - Palin and 132/33kV Palin S/S	POWERGRID - Comprehensive	Dec'23	
37	132kV Palin- Koloriang and 132/33kV Koloriang S/S	POWERGRID - Comprehensive	Dec'23	
38	132kV Khonsa - Deomali and 132/33kV Khonsa S/S	POWERGRID - Comprehensive	Dec'23	
39	132kV Miao - Namsai and 132/33kV Miao S/S	POWERGRID - Comprehensive	Dec'23	
40	132kV Chimpu - Holongi and 132/33kV Holongi S/S	POWERGRID - Comprehensive	Litigation in court. By 31 st August	
41	Lower Subansiri HEP	NHPC	Unit 1 by Jan'23 and Unit 2 by Feb'23	

Agenda for 194th OCC Meeting to be held on 15th September 2022

42	400kV Lower Subansiri-BNC line1	PGCIL	Nov'22	
43	400kV Lower Subansiri-BNC line2	PGCIL	Feb'23	

D.4. Status of ISTS expansion scheme in NER:

A. Status of downstream 220kV or 132kV network by STUs from the various commissioned and under-construction ISTS substations in NER

Sl.	ISTS S/s	State	Voltage ratio, Trans. Cap	Down-stream Voltage level (kV)	Unutilized bays	Status of ISTS bay	STU Lines for unutilized bays	Status of Lines(as updated in 192 nd OCCM)	
								Date of Award	Completion schedule
1	New Mariani (POWERGRID)	Assam	400/220kV, 2x500MVA	220	2	Commissioned	New Mariani (POWERGRID) – Diphu (Assam) 220kV D/c line	Preliminary survey completed	By Jan'25
2	New Kohima (TBCB)	Nagaland	400/220kV, 2x500MVA	220	2	Commissioned	New Kohima (TBCB) – New Kohima (Nagaland) 220kV D/c line	LoA Feb'2021	
3	Nangalbibra (TBCB)	Meghalaya	220/132kV, 2x160MVA	132	2	Under bidding	Nangalbibra (ISTS) – Nangalbibra (MePTCL) 132kV D/c (Single Moose) line	Survey awarded	Dec'23

B. Status of 400kV substations and other important elements being implemented by STUs in NER under intra-state schemes to be connected through ISTS

Sl. No.	Substation/Location	Transformation Capacity/Element	Date of Award	Completion Schedule
A	Assam (to be implemented by AEGCL)			
I	Rangia	400/220kV, 2x500MVA	1. EPC Contract Award is Tentatively scheduled in the early half of Dec'2022. 2. Master Plan submitted for approval. 3. Tender under preparation 4. AIB points to be addressed	Dec'2025

Agenda for 194th OCC Meeting to be held on 15th September 2022

a)	LILO of both circuits of Bongaigaon – Balipara 400kV D/c line at Rangia	400 kV, D/C	1. EPC Contract Award is expected by Dec'2022. 2. Tender preparation is completed and is to be reviewed by AIIB	Dec'25 (36 months form date of Award)
II	Khumtai	400/220/13 2kV, 2x500MVA + 2x160MVA	Survey work to be completed by June'2022. EPC tender to be floated on finalization of fund allotment. 220kV work will be constructed under ongoing AIIB scheme for which contract has already been award to M/S RS infra PVT tech ltd.	May'2026
a)	Khumtai (AEGCL) – BiswanathChariyali (PG) 400kV D/c line	400kV D/c	Survey work completion by July'22, tender floating after finalization of fund allocation.	220kV LILO part 60% complete. 400kV line by May'2026
III	Upgradation of Gohpur S/s from AIS to GIS	-	1. Notice of Award has been issued on 8 th June 2022 to M/S Sumaja Electro infra Pvt ltd.	June'2025
a)	2 no. 132kV GIS line bays at Gohpur for termination of LILO of one circuit of BiswanathChariyali – Itanagar 132kV D/c line (line works under ISTS through TBCB route)	132kV	1. LoA by Jun'22	June'2025
IV	Upgradation of Sonapur S/s from AIS to GIS	-	1. Contract to be awarded by Dec'22. LoA by Dec'22	June'2025
a)	LILO of 400kV Silchar-Byrnihat at Sonapur	-	1. LoA by Dec'22	June'2025

Sl. No.	Substation/Location	Transformation Capacity/ Element	Date of Award	Completion Schedule
B	Tripura (to be implemented by TSECL)			
I	Surajmaninagar (TSECL)	400/132kV, 2x315MVA	Award by Sep'22	12 months from Date of Award

Agenda for 194th OCC Meeting to be held on 15th September 2022

a)	LILO of both circuits of Surajmaninagar (ISTS) – Palatana 400kV D/c line at Surajmaninagar (TSECL) S/s	400kV D/c	All works except 400kV termination at Surajmaninagar (TSECL) by POWERGRID to be done. Balance works under separate contract.	
C	NEEPCO (to be implemented by NEEPCO)			
I	Extension works at Ranganadi HEP end	Oct 22	Oct 22	Oct 22
II	Extension works at Pare HEP end	March'24	March'24	March'24
a)	Bypassing of LILO of Ranganadi - Naharlagun / Nirjuli at Pare HEP so as to form direct Ranganadi- Naharlagun / Nirjuli 132 kV S/c line			
b)	Re-conductoring of LILO portion at Pare end (of Ranganadi - Naharlagun / Nirjuli 132kV S/c line) with HTLS (HTLS equivalent to ACSR Zebra) along with modification of 132kV bay equipment at Pare HEP			

D.5. Status Review for the Items Referred from previous OCCMs:

S.No	Item for Discussion	Status as per 193 rd OCCM	Latest Status
1.	Introduction of SPS in Leshka S/Sn of Meghalaya (Agenda No. C4 of 189 th OCCM)	OEM has visited the site and proposed certain modifications in the original scheme. The finalised scheme will be submitted to the higher management in the following week.	
2.	Voltage and MVAR issues at 400kV Kameng S/Sn (Agenda No. C7 of 189 th OCCM)	2 nd week of October'22	
3.	Non-availability of operational synchronization facility at 132kV Agartala Station (Agenda No. C10. of 189 th OCCM)	PGCIL has shared the required drawings, and wiring is completed also, but CVT issue occurred in the synchronization trolley	

Agenda for 194th OCC Meeting to be held on 15th September 2022

4.	Difficulty in test synchronization at Ningthoukhong S/Sn (installation of line CVT) (Agenda No. C11. of 189 th OCCM)	Applied for s/d for installation. Expected to be done in August'22.	
5.	Outage of 400kV Imphal (PG) – Thoubal-I (Agenda B.15 of 184 th OCCM)	RoW issue, litigation in court	
6.	Charging of 33kV Khupi-Kimi line at 132kV: Recommendations of the 187 th OCCM to be implemented: (a) Installation & Commissioning of PLCC and additional Wave Trap with accessories at Khupi (NEEPCO) - By Mar'22 Minutes of 188 th OCC meeting held on 16 th March, 2022 at Guwahati (b) Defective Relays at Khupi end to be repaired (NEEPCO) – By Mar'22 (c) PID testing and replacement of defective insulators (NEEPCO) – By Mar'22 (d) Infringement checking and vegetation clearance (NEEPCO) – By Mar'22 (e) Stringing of OPGW by POWERGRID Comprehensive – By Mar'22 (f) Procurement and installation of Line Differential Relays (NEEPCO) – By Mar'22 (Agenda B.15 of 188 th OCCM)	(a) PLCC installed and testing done through existing battery bank (b) Rain related issues (c) PID testing done, replacement to take place after rainy season (d) to be done just before charging of the line (e) supply issues, to be done by Sep'22 (f) Procurement and installation of LDR by Aug'22 The option of charging the line without waiting for line differential protection to be explored, NEEPCO to replace defective insulators and clear vegetation infringements before charging	
7.	Synchronization issue of 220kv AGBPP – Tinsukia 1 & 2 at AGBPP end. (NEEPCO to update the status of CVT procurement and other relevant details.) Item B.24 of 190 th OCCM.	About to place the tender	
8.	Installation of second wave trap at Nirjuli SS for both N. Lakhimpur and Pare circuits by PGCIL (B.14. Of 192 nd OCC)	To be installed along with charging of the line	
9.	Frequent breakdowns (BD) of Khuppi-Balipara transmission line (C2 of 191 st OCCM)	132kV Kimi –Khupi line to be commissioned by Sept'22	
10.	Proposed continuous shutdown of 132kV S/C Loktak Jiribam(PG) for HTLS reconductoring (C.5 of 191 st OCCM)	In view of frequent outage of 132 kV Loktak-Rengpang-Jiribam link, the shutdown may be availed in lean hydro season when the requirement of backing down of Loktak HEP shall be minimum. Also Shutdown can only be given after the return of	

Agenda for 194th OCC Meeting to be held on 15th September 2022

		132kV Dimapur-Imphal line.	
11.	Issues faced during Mock Black Start exercise of Pare HEP on 27/05/2022 (C.7 of 191 st OCCM)	No report submitted	
12.	Implementation of Single Phase Auto-Reclosure for 132kV Rangia- Motonga and 132kV Gelephu-Salakati Line (C.14 of 191 st OCCM)	Sept'22	
13.	Non reporting of 132kV Mohanpur S/S under NERPSIP and Comprehensive projects (C.16 OF 191 ST OCC)	Team on site, by 25 th Aug'22	
14.	High level of dissolve gases on DGA report of Kameng U#3 R-phase GT: (C.17 of 191 st OCCM)	Continued DGA violation, but within manageable limits.	
15.	Grid Disturbance in Dhaligaon area of Assam Power System (C.18 of 191 st OCCM)	Estimate prepared and submitted to Disaster Risk reduction Works, 2022-2023, Govt of Assam.	

E. METERING AGENDA ITEMS

6) SEMs to be procured for Sterlite& KMTL on-going projects (50 SEMs):

NERTS confirmed over mail regarding receipt of 50 Nos. SEM and 10 Nos. DCD at Misa Substation on 23.03.2021. NERLDC prepared a list of 30 nos. SEM and 07 nos. DCD on priority basis and sent to NERTS via mail on 29.04.21. As deliberated in 184th OCCM, installation/ replacement of SEMs and distribution of DCDs had almost been completed.

As per NERLDC record, newly procured defective DCD at Tinsukia is yet to be replaced.

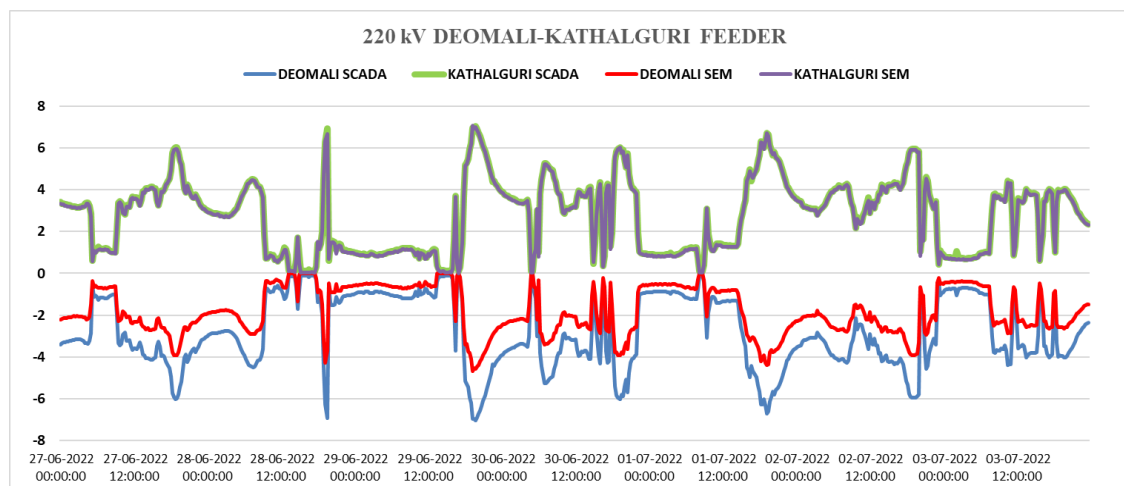
In 192nd OCCM, NERTS mentioned that presently three DCDs are in stock, out of which, forum requested one to be handed over to Tinsukia. NERTS requested Assam to collect the same from Misa S/s. Out of the remaining 2 DCDs, one to be given to NEEPCO for Khandong drawl and another to be handed over to Bhutan for Motanga. In the 193rd OCCM Assam updated that they have not received the DCD yet, but will receive at the earliest. Manager, NERLDC mentioned that DCD kept for Motonga, Bhutan shall not be required to be provided to them as the SEM data is being received from ERLDC for Motonga.

The sub-committee may please deliberate

7) Issues regarding SEM Data Processing:

a. Mismatch in 220 kV Deomali (AP) - AGBPP (Kathalguri) power flow data:

Pair-check mismatch has been observed for 220 kV Deomali (AP) - AGBPP (Kathalguri). Deomali end is reading around 50% lesser than that of Kathalguri end. In 193rd OCCMSLDC A.P assured the forum to send expert from Itanagar to check the SEM at the earliest.



b. High Time drift at 132 kV Ziro Substation:

Weekly SEM data of 132 kV Ziro-Ranganadi feeder is important for accounting of Arunachal Pradesh drawl. However, time drift of more than 5 mins is observed in the SEM (NP-9704-A) installed at Ziro end of 132 kV Ziro-Ranganadi feeder.

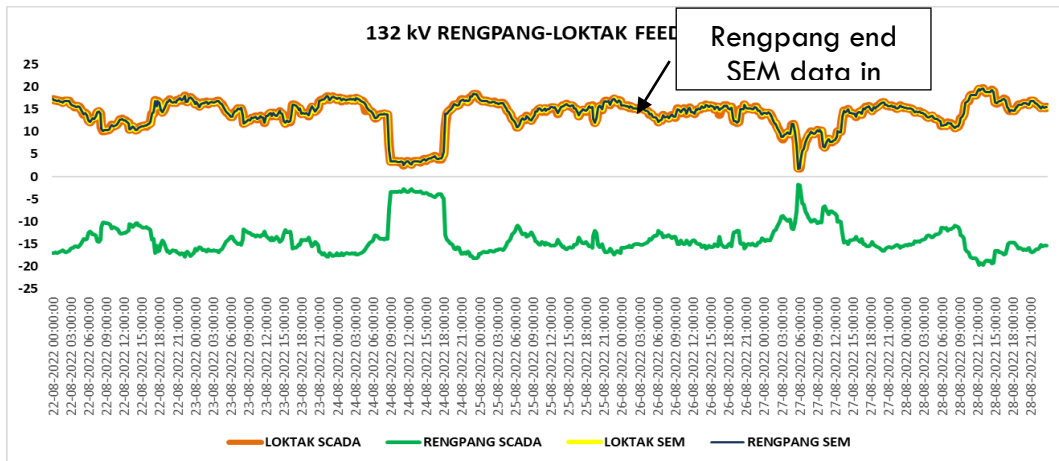
In the 193rd OCCM Due to high time drift, it was agreed by the forum that a new SEM has to be procured for which order is to be placed within one week.

c. Non-receipt of SEM data from 220kV Mariani(As) & 132 kV Pailapool Substations:

Weekly SEM data of 220kV Mariani (As) & 132 kV Pailapool (As) Substations is important for accounting of Assam drawl. However, SEM data from the said substations is not being received.

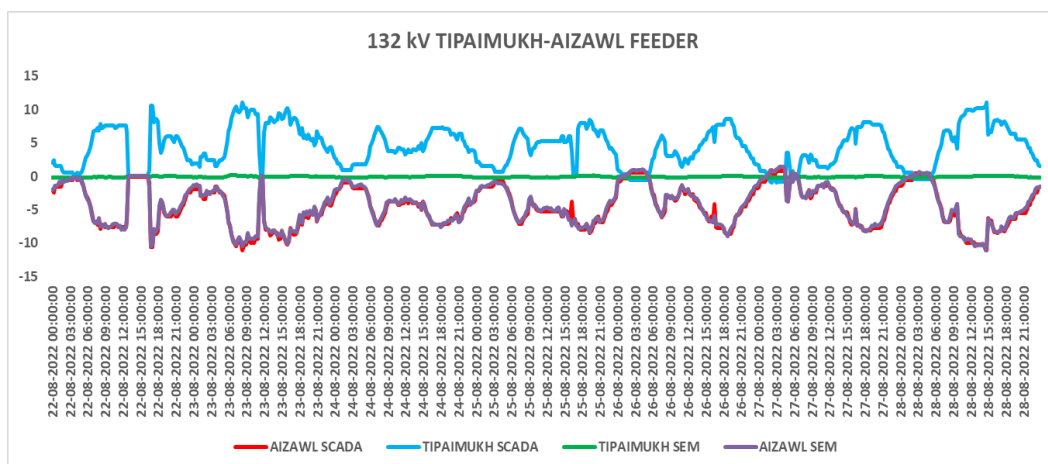
d. Sign reversal of Rengpang end of 132kV Loktak- Rengpang line:

SCADA VS SEM plot comparison for the period 22.08.22-28.08.22 is given below:



e. Erroneous reading of Tipaimukh end of 132kV Aizwal-Tipaimukh line:

Tipaimukh end of 132kV Aizwal-Tipaimukh line is reading close to 0 (Zero). SCADA VS SEM plot comparison for the period 22.08.22-28.08.22 is given below:



The sub-committee may please deliberate

Monthly Energy Consumption of NER beneficiaries for FY 2021-22(based on SEM data)



पावर सिस्टम ऑपरेशन कॉर्पोरेशन लिमिटेड
(भारत सरकार का उद्यम)
POWER SYSTEM OPERATION CORPORATION LIMITED
(A Government of India Enterprise)



उत्तर पूर्वी क्षेत्रीय भार प्रेषण केंद्र : लोअर नंगरा, लापालांग, शिलांग-793006, (मेघालय)
North Eastern Regional Load Despatch Centre: Lower Nongrah, Lapalang, Shillong - 793006, (Meghalaya)
Ph : 0364-2537470, 2537427, Fax - 2537486 Website : www.nerldc.org, Email - nerldc@posoco.in, CIN : U40105DL2009GOI188682

संदर्भ/Ref: NERLDC/SO-1/Tripura/2022/ 3716

दिनांक/Date :07-09-2022

To,
Dy. General Manager,
System Operation Division, SLDC Tripura
79 Tilla, Agartala, Tripura - 799006

विषय/SUB: महत्वपूर्ण ग्रिड तत्वों को बंद करने के लिए ओसीसी फोरम की स्वीकृति प्राप्त करना/ Obtaining approval of OCC forum for shutdown of Important Grid elements

- Ref.: 1) NERLDC Letter No. NERLDC/S.O-1/Tripura/2021/1911 dated 13/08/2021.
2) Para B.13 of Minutes of 181st OCC meeting held on 20/08/2021.
3) NERLDC Letter No. NERLDC/S.O-1/Tripura/2021/1922/2040 dated 14/09/2021.

महोदय/ Sir,

It has been observed that in recent past Tripura has availed planned shutdown of Important Grid Elements of NER without prior approval of the OCC forum and without following the outage procedure. For your ready reference shut down of important grid elements taken in the recent past without prior approval of OCC forum and without following outage procedure is appended below.

Sl.No	Element Name	Outage date	Outage time	Revival date	Revival time	Reason of Outage
1	132KV-AGARTALA (79 TILLA)-ROKHIA-2	06-Sep-22	09:38	06-Sep-22	16:55	Pre-puja Maintenance
2	132 kV JIRANIA S/S MAIN BUS	04-Sep-22	11:25	04-Sep-22	16:45	Pre puja maintenance
3	132KV- KAMALPUR-PK BARI	30-Aug-22	09:35	30-Aug-22	16:55	Pre puja maintenance
4	132KV-GAMAITILLA - AMBASSA	24-Aug-22	09:09	24-Aug-22	15:58	Pre puja maintenance
5	132KV-BARAMURA - GAMAITILLA	23-Aug-22	09:30	23-Aug-22	15:58	Pre puja maintenance
6	132KV-KAMALPUR SS I/C ALL 11 KV FEEDER	21-Aug-22	09:39	21-Aug-22	16:05	Pre puja maintenance
7	132KV-DHALABIL SS I/C ALL 11 KV &33 KV FEEDER	21-Aug-22	10:08	21-Aug-22	15:14	Pre puja maintenance

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Earlier also similar instances of availing planned shutdown of important grid elements without prior approval of OCC forum and without following outage procedure has been noticed. Tripura has been advised several times in the past to refrain from such practices. In this regard minutes of 181st OCC held on 20/08/2021, NERLDC letter reference dated 13/08/2021 & 14/09/2021 may please be referred to.

As you are well aware that such practice of removal of important grid elements from service without prior approval of OCC forum and clearance from RLDC not only against the spirit of IEGC 2010 but also detrimental to security and reliability of the grid.

In view of the foregoing it is once again requested to obtain prior approval of the planned outages of the important grid elements in OCC forum as per outage planning procedure so as to ensure secure & reliable grid operation. Your co-operation in this regard is requested.

Thanking You.

Yours sincerely,



(बिस्वजीत साहू /Biswajit Sahu)

वरिष्ठ महाप्रबंधक (एस.ओ-1)/ Sr. GM (S.O-1)
उ.पू.क्षे.भा.प्रे.के/NERLDC.

- 1) अध्यक्ष और प्रबंध निदेशक /CMD, TSECL
- 2) सदस्य सचिव, एनईआरपीसी/ MS, NERPC
- 3) कार्यपालक निर्देशक, एन.ई.आर.एल.डी.सी/ ED NERLDC