

North Eastern Regional Power Committee
Agenda For

173rd OCC Sub-Committee Meeting

Time of meeting : 10:30 Hrs.

Date of meeting : 11th December, 2020 (Thursday)

Venue : “NERPC Conference Hall”, Shillong.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 172nd MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

The minutes of 172nd meeting of Operation Sub-committee held on 12th November, 2020 at Shillong were circulated vide letter No. NERPC/SE (O)/OCC/2020/3052-3089 dated 01st December, 2020.

The Sub-committee may confirm the minutes of 172nd OCCM of NERPC as no comments/observations were received from the constituents.

ACTION TAKEN -ITEMS

B.1. ACTION TAKEN:

1. IMPLEMENTATION OF PROJECTS FUNDED FROM PSDF:

The status as informed in 172nd OCC:

State	R&U scheme	ADMS	Capacitor Installation	SAMAST**	Line Differential Protection
Ar. Pradesh	Package-I (Diagnostic tools) Materials supplied. 30% payment released. Utilization certificate for 60% to be sent. P-II (for PLCC & communication) LOA issued. P-III (Substation equipment) NIT by Nov'20 Work delayed due to COVID situation. Station-wise status to be updated	Requisition for 3 rd tranche sent.	-	TESG approval awaited	-
Nagaland	All completed except for PLCC package. Delayed due to COVID situation. Station-wise	Second tranche of disbursed. Requisition to be sent for 3 rd	-	TESG approval awaited	Lines identified. Under DPR preparation stage.

Agenda for 173rd OCC Meeting to be held on 11th December, 2020

	status to be updated.	installment.			
Mizoram	Completed. 10% remaining claim to be submitted ASAP.	Final 10% requisition submitted.	To reply to TESG queries.	TESG approval awaited.	Lines identified for installation of DPR viz. 132kV Aizawl - Luangmual and 132kV Kawmzawl - Khawiva.
Manipur	Package-II: completed Package-I: WIP Delayed due to COVID situation Station-wise status to be updated.	60% disbursed. Final 10% requisition to be sent immediately.	LOA issued. Requisition to be sent for first tranche.	TESG approval awaited.	Lines identified. LDP for 132kV Imphal-Imphal and 132kV Jiribm-Jiribam proposed. Under DPR preparation stage.
	33kV System Integration with SLDC	In tendering stage			
	Reliable Communications for grid connectivity	In tendering stage			
Tripura	Work completed. 10% remaining claim to be sent ASAP. Station wise status to be updated.	10% fund disbursed. Requisition to be sent for 20% immediately	Study results to be submitted alongwith DPR	TESG approval awaited.	Only single line 132kV 79Tilla to Budhjangn agar. DPR to be prepared.
Assam	LOA issued. WIP, delayed due to COVID situation Station-wise status to be submitted.	30% funds disbursed. Requisition to be sent for 60% immediately	-	Under finalization stage for LOA.	Lines identified. Under DPR preparation stage.

Meghalaya	MePTCL Completed in all respects. MePGCL – 10% claim to be submitted ASAP.	Final tranche of 10% disbursed. Project complete in all respects.	-	Under finalization stage for LOA.	WIP. Delayed due to COVID situation

All state utilities are requested to furnish latest status station-wise as per format by first week of every month on regular basis to Member Convener, PSDF Project Monitoring Group (AGM, NLDC, POSOCO) with a copy to NPC & NERPC. The LOAs of R&M Scheme are to be furnished to NERLDC/NERPC regularly.

States may please intimate the latest status.

B.2. OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING NOVEMBER, 2020

NERLDC shall present the operational performance for the month of November, 2020.

C. ITEMS FOR DISCUSSION

C.1 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 + Kopili stg II			1.16	
Kopili			0	Will be “0” until further intimation.
Doyang			0.55	
Loktak			2.48	

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

The Committee may discuss and approve the proposed shutdown by Generating Stations as given in Annexure – D.2 which is available in NERPC website.

C.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.

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 kindly discuss and approve the transmission line outages proposed by Constituents for 01st January, 2020 to 31st January, 2020 which is available in the website of NERPC.

C.3 Estimated Transmission Availability Certificate (TAC) for the month of November, 2020:

NETC and POWERGRID have submitted the outage data for the month of November, 2020. So the attributability of outage of the said elements may please be finalized.

Members may please discuss.

C.4 Charging of 132kV Sihhmui S/S and related issues:

Decisions as per deliberation in previous meeting(s):

- Present condition of idle charging from Melriat end as anti-theft measure to remain in place. For charging of 132 kV Bays of Melriat – Sihhmui D/C at Sihhmui Substation, 132 kV Sihhmui Bus and 132/33 KV, 12.5 MVA Transformer at Sihhmui Substation, fresh application is to be applied to NERLDC and approval to be obtained.
- NERTS-POWERGRID to apply afresh for charging clearance/First Time Charging and Trial operation certificate for 132kV Melriat-Sihhmui including bays at both ends after obtaining clarification from NERPCTP, CEA.
- NERTS, P&ED Mizoram to inform about the conclusions of their bilateral discussions regarding tariff by Oct'20.
- After bilateral discussions if tariff related issues are still not resolved a special meeting to be held.
- Temporary bays to be handed over permanently by P&ED Mizoram to NERTS and same to be confirmed by NERPCTP.

- Meanwhile till the matter is resolved, NERTS and P&ED Mizoram to abide by the decisions of the Special Meeting held on 24.07.2020

Members may please discuss.

C.5 RGMO analysis for events dated 11th June, 2020

Decisions as per discussions in previous meetings:

- OTPC- Discussions ongoing with OEM for anomaly in unit response.
- NTPC – All three units tuned in July'20.

Members may please discuss.

C.6 Charging of 33kV Khupi-Kimi line at 132kV and handing over of 132kV Balipara-Khupi:

Decisions as per discussion in the 172nd OCC meeting:-

- (i) Insulator, line inspection of 132kV Khupi –Kimi line would be carried out by Joint Inspection Committee. DoP Ar.Pradesh to send nominations for the same.
- (ii) DoP Ar.Pradesh ready for taking over of 132kV Balipara-Khupi on any day after 15th November, 2020.

DoP Ar.Pradesh vide letter dated. 26.11.2020 has stated that:-

- (i) For handing over/taking over of the assets viz. 132kV Balipara-Khupi, 132/33kv Khupi Sub-station, Joint Physical Inspection shall be carried out by DoP Ar.Pradesh and NEEPCO from 01.12.2020 onwards. The handing over/taking over process shall be completed by 15.12.2020
- (ii) For handing over/taking over of the assets viz. 132kV Khupi-Kimi line (presently charged at 33kV), the line shall be taken over after being charged at the rated voltage and after Joint Inspection of NEEPCO, DoP Ar.Pradesh, State Electrical Inspectorate, NERLDC and NERPC. For this inspection a suitable date may be arranged.

Members may please discuss.

C.7 Phase Rotation & Related Mismatch Issues in NER:

Decisions as per discussions in Special Meeting on 28th October, 2020 and the 172nd OCC meeting:

- (i) Taking 400kV Bongaigaon as reference, all bay marking to be done afresh alongwith all bay elements.
- (ii) Since ports for relay already assigned and changing them would require OEM involvement, the secondary connections to the relays and PMUs to be done afresh subsequent to bay marking
- (iii) 400kV Silchar to be completed by Nov'20 and 400kV Azara, 400kV Byrnihat and 400kV Palatana to be completed thereafter.
- (iv) For New Stations after charging phase sequence and bay marking to be submitted to NERLDC for verification.

Members may please discuss.

AGENDA ITEMS FROM NERPC:

C.8 Data pertaining to proper transmission planning:

In the 1st meeting of the Sub-Committee on Transmission Planning under Chairmanship of Member(PS), CEA it was decided that various intra-state data are

Agenda for 173rd OCC Meeting to be held on 11th December, 2020
required for proper long –term transmission planning. The necessary formats are attached at **Annexure-C.8**

NERPC may please deliberate.

AGENDA ITEMS FROM NERLDC:

C.9 Availing of opportunity shutdown without intimation to NERLDC:

400 kV Silchar-Byrnihat was under planned S/D availed by Meghalaya from 08:43 hrs to 16:43 hrs of 27-11-2020. However, opportunity S/D has been availed by NETC without any prior intimation to NERLDC which is a safety lapse from NETC end. All constituents are requested to strictly comply to the shutdown procedure such as taking NERLDC code for such opportunity shutdown.

NERLDC may please deliberate.

C.10 Restoration of 132kV Roing-Pasighat:

132 kV Roing-Pasighat is charged through ERS tower at Loc 213 in Arunachal Pradesh system for which provisional approval of RIO inspector was valid till 16.09.2020. A letter in this regard was issued to NERTS on 24.11.2020. NERTS is requested to update their plan on permanent restoration of the tower along with construction status of pile foundations before onset of Monsoon next year.

NERLDC may please deliberate.

C.11 Non-receipt of consent from state beneficiaries for PG test of BgTPP:

In line with the deliberation against Agenda D.25 of 171st OCC Meeting, BGTPP has been requesting for required minimum schedule during PG Test on D-3 basis, but due to non-receipt on consent from all beneficiaries, NERLDC is facilitating the PG test by excluding BgTPP from SCED and RRAS. Even without SCED and RRAS, minimum schedule requested by BgTPP is not ensured as the same may reduce with less requisition by beneficiary state who have not given consent. Thus, it is requested to follow the following process:

- a. BgTPP will send their minimum schedule request on D-3 basis to the beneficiary states with a copy to NERLDC
- b. Beneficiary states may give consent strictly by D-2 (It has been observed that most of the beneficiaries provide their consent on the day of PG test causing confusion at the last minute). Non-receipt of the same shall mean dissent from the states for PG test.
- c. In event of non-receipt of consent from all beneficiary states, NERLDC shall facilitate the PG test by excluding BGTPP from SCED and RRAS in consultation with NLDC. However, technical minimum required for the PG test shall not be ensured from NERLDC. Any difference of actual vs schedule generation shall be treated as per the DSM mechanism. Further, BGTPP control room should avail permission from NERLDC control room 1 hour before start and end of PG test.

NERLDC may please deliberate.

C.12 Providing generator schedule for Third Party Testing of Primary Governor Response:

In line with decision against Agenda D.23 of 169th OCC Meeting, following process in respect of providing the required generation schedule during the testing duration:

- a. The generating station in consultation with the testing agency (M/s Solvina or M/s Seimens) shall provide confirmation of the said testing schedule to NERLDC at-least 7 days ahead (on D-7 basis, D being the date of start of testing) over email.
- b. The generating station in consultation with the testing agency shall provide information regarding exact dates and time duration of testing on each day along with block-wise generation schedule required during the period of testing, at-least 3 days ahead (on D-3 basis, D being the date of start of testing) over email to NERLDC.

NERLDC may please deliberate.

C.13 Second Power System Operation Conclave:

The 2nd Power System Operation Conclave shall be organised by NERLDC tentatively on 7th and 8th January 2021. The programme shall be organised online. It is a platform for knowledge sharing on all aspects of system operation in Indian Power System along with lectures from experts from all over India. All constituents of NER are requested to nominate personnel from their esteemed organizations in large numbers so that all can get benefited from the event.

NERLDC may please deliberate.

C.14 Irregular receipt of data for open cycle verification for gas based generating stations:

In 155th OCC Meeting (Agenda D.27), it was agreed that Open Cycle data shall be submitted on Monthly basis for verification. Although NERLDC has been verifying the data for AGBPP after receiving the same on quarterly basis but open cycle data has been received for AGTCCPP on 24/11/2020 from NERPC for FY: 2016-17, FY:2017-18 & FY:2018-19. Verification of open cycle data by NERLDC for 3 financial years together from 2016 onwards will not be feasible. Thus, gas based ISGS are requested to furnish the open cycle data for verification to NERPC strictly on monthly basis for verification of the same by NERLDC.

NERLDC may please deliberate.

C.15 Installation of AWS by IMD for better weather forecasting in power sector:

As per the last status, IMD had visited Assam and Tripura and selected the sites where AWS(Automatic Weather Station) could be installed and a report regarding site selection was submitted to NERLDC. Moreover, it was decided during the 164th OCCM that IMD would visit the ISGS stations on urgent basis regarding site selection.

As informed by IMD, they would brief the OCC forum regarding the latest status and progress in this matter in the upcoming meeting. The updated site status shared by IMD is attached as **Annexure-C.15**.The total nos. of sites selected and rejected till now is as below:

State	No. of Site found suitable	No. of Site not found suitable
Tripura	6	10
Meghalaya	4	1
Assam	9	-
Manipur	-	2

NERLDC may please deliberate.

C.16 Preparedness for secured grid operation during winter season:

Winter season is experienced by NER states during December-March. For safe and secure operation of Grid during Winter Season, following actions are suggested by NERLDC:

- Ensure appropriate action for proper load – generation balance of respective systems by SLDCs
- MVAR absorption according to machine capability curve as per system requirement & operation synchronous condenser mode as per machine design ensuring frequency by Generators
- Appropriate action to keep Line loading and voltage within prescribed limit by SLDCs
- Proper cleaning of insulators by Transmission utilities & cleaning/replacement of Inlet air filters by Gas Plants wherever required to avoid tripping due to fog
- Availability of Bus/Line/Tertiary reactors needs to be ensured by utilities & shutdown of reactors in this period may be deferred.

NERLDC may please deliberate.

AGENDA ITEMS FROM NERTS:

C.17 Procedure for Rescheduling request and approval:

1. In present practice, wherever an approved planned shutdown is deferred by NERLDC on account of grid constraints, the rescheduled / alternate date of the already approved OCC shutdown is proposed by the transmission licensee as per convenience and NERLDC allots dates taking into grid scenario in consideration.
2. Similarly, it is proposed that, in case of Transmission licensee confirms that a particular approved planned S/D cannot be availed due to existing unfavorable conditions / constraints at site on the scheduled date, the transmission licensee should be allowed to propose rescheduled date as per above mentioned existing procedure in (Sl no. 1) .

NERTS may please deliberate.

D. ITEMS FOR STATUS REVIEW

D.1 Restoration of Assets damaged at Kopili HEP due to failure of Penstock:

As per decisions in previous meeting(s):

- (i) Detailed ownership and scope of work finalized in the 168th OCC meeting.
- (ii) Permanent restoration by NERTS, referred for NERPCTP discussion

NERPC may please inform the status.

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

Sl. No	Element	Owner	Status as informed in the 172 nd OCCM	Latest status
1	132kV Dimapur - Imphal	NERTS	By Nov'20	
2	63MVAR L/R for 400kV Palatana-SilcharCkt-I	OTPC	1 st week of Dec'20	
3	132kV Jiribam – Rengpang	MSPCL	Dec'20	
4	220KV-Agia-BTPS-I	AEGCL	Completed. EI clearance awaited.	
5	25 MVAR tertiary reactor 1,2 & 3 at Balipara	NERTS	Ready for taking into service.	
6	132kV Rangia-Rowta	AEGCL	Pile foundation completed. Conductor re-stringing to start by Nov'20. Completion by Feb'21	
7	132kV Mariani – Mokokchung(out since April'2008)	AEGCL	After favourable study results line would be charged.	
8	FSC of 400kV Balipara – Bongaigaon-4(out since 02 nd Sep'20)	NERTS	Procurement involved. Tentatively by Mar'21	
9	Kameng Unit #II (out since 20.11.2020)	NEEPCO	-	

Concerned utilities may please inform the status.

D.3 Status of commissioning for Upcoming projects:

Sl. No	Name of the element	Utility	Status as informed in 172 nd OCC meeting	Latest status
1	LILO of 132kV Surjamaningar-Budhjungnagar-I at Surjamaningar(ISTS)	TSECL	WIP by Nov'20	

2	LILO of 132kV P.K.Bari-Ambassa at P.K.Bari(ISTS)	TSECL	WIP by Dec'20	
3	400kV Palatana-Surjamaninagar D/C	NERTS	Dec'20	
4	400kV Silchar - P.K.Bari D/C	NERTS	Dec'20	
5	132kV Monarchak-Surjamaninagar	TSECL	By Mar'21. Exact reasons for delay and status to be sent to CEA.	
6	PLCC for 132kV Loktak-Ningthoukong and 132kV Loktak-Rengpang	MSPCL	Included in R&U. By Mar'21	
7	Construction of 2 nd bay at Balipara for 220kV Balipara-Sonabil-2	AEGCL	NIT by Nov'20	
8	Bay at 132kV Agia S/Sn for 132kV Agia-Nangalbibra-II	AEGCL	1 st week of Dec'20	
9	Upgradation of 132kV Lumshnong - Panchgram line	MePTCL	To be updated	
10	Diversion of 132kV Bawktlang-Sihhmui	NERTS	By Jan'21	
11	PLCC for 132kV Karong-Kohima	MSPCL	NERPC to write to MD, MSPCL	

Concerned utilities may please inform the status.

D.4 Preparation of List of Important Grid Elements:

In the Special Meeting (for improvement of Data Availability) held on 18th August,2020 it was decided that List of Important Grid Elements has to be prepared by NERLDC (for ISTS and important intra-state elements) and by SLDCs (for intra-state elements).

Latest status of preparation of list of Important Grid Element:

Arunachal Pradesh	Not submitted
Assam	Not submitted
Tripura	Not submitted

SLDC DoP Ar. Pradesh, Assam, Tripura may please intimate the status.

D.5 Immediate restoration of 220kV Bus-Coupler Bay at Samaguri(AEGCL) & keeping both buses in service at 220kV Sub-stations in Assam power system:

In 172nd OCCM DGM, AEGCL informed that necessary studies would be undertaken and some breakers would be closed by Nov'20.

AEGCL may please intimate the status.

D.6 Utilization of Transfer Bus and Bus Coupler Breaker during rectification of Main Circuit Breaker for 132 kV Dimapur-Doyang line 2:

Works - wiring of Selector Switch to the BC is yet to be done and also Trip Transfer scheme has to be completed. Further LBB has to be commissioned for all the feeders. In 172nd OCCM DGM, NEEPCO informed that OEM has been consulted and tentative completion is by Jan'21.

NEEPCO may please intimate the status.

D.7 Testing of Primary Governor response of NER Generating units as per IEGC Cl.5.2(g):

Schedule as agreed in the 172nd OCC meeting

Region	Station	No. of generators	Schedule	Duration (days)
NER	NEEPCO Ranganadi	3	28th Dec'20 to 4th Jan'21	6
NER	NEEPCO Tural	2	To be decided later	4
NER	NEEPCO-Monarchak	2	During AMP of at least one module of Palatana	4
NER	NEEPCO-Kopili	1	Under long shutdown	2
NER	NEEPCO-Khandong	2	1st Dec'20 to 4 th Dec'20	4
NER	NEEPCO- Pare	2	9th Dec'20 to 12 th Dec'20	4
NER	OTPC- Palatana	2	In May'21	4
NER	NTPC Bangaigaon TPP	3	In Mar'21	6
NER	NHPC Loktak	3	23rd Dec'20 to 28 th Dec'20	6

NERLDC may please intimate the latest status.

AGENDA ITEMS FROM NERPC:

D.8 Removal of LILO of 132kV NDTL at Pare HEP and Upgradation of LILO portion:

In the meeting held on 03.11.2020 by CEA, while updating the status of 132kV Pare HEP- N.Lakhimpur HTLS D/C, the forum felt that the status of removal of LILO of 132kV NDTL at Pare HEP and upgradation of the LILO portion to HTLS by NEEPCO is also to be updated.

NEEPCO may please inform the status.

Metering Agenda

D.9 SEMs to be Procured

In 171st OCCM NERTS informed that Procurement of 100 SEMs and 20 DCDs have been completed and internal process is ongoing for procurement of additional 50 SEMs.

NERTS may please inform the status.

D.10 SEM time drift:

The 172nd OCCM forum requested NERTS to replace the time-drift SEMs at the earliest.

NERTS may please inform the status.

D.11 Integration of SEMs with laptop/PC for data downloading:

Decisions as per deliberation in the previous OCC forum:

- i. Implementation of RS-485 scheme for data downloading in one station preferably a generating station
- ii. If trial operation is successful then the scheme is to be extended to all stations where SEM quantity is greater than 10.
- iii. Trial/Pilot to be set up at OTPC Palatana.
- iv. OEM support to be sought by NERTS for early implementation of the scheme.
- v. NERTS to expedite the implementation of Pilot.

NERTS may please inform the status.

D.12 Second Meter List for replacement:

In 172nd OCCM NERTS informed that installation of SEM is under progress, most of the SEMs has been re-distributed to the nearby Powergrid locations for installation in the listed substation and is expected to be completed before next OCCM

NERTS may please inform the status.

D.13 New Meter and CMRI requirement:

In 170th OCCM NERLDC submitted a list of requirements of SEM and CMRI for new locations. It was agreed that meters will be installed in new locations where check/backup meters are not available, and DCD will be provided from the recent procurement. Also, NERTS will give the details of meter requirement for their substation from where they draw power for aux. consumption and will install the meters (as decided in 39th CCM).

In 172nd OCCM regarding installation of meter for drawing of power for aux. consumption, NERTS expressed their inability to install the meter as 5A CTs are not available and the SEMs are having only 1A CT secondary connection.

Members may please discuss.

D.14 SEM data collecting Laptop related issues:

List of DCD distribution location has been provided in 172nd OCCM by NERLDC

NERTS may please inform the status.

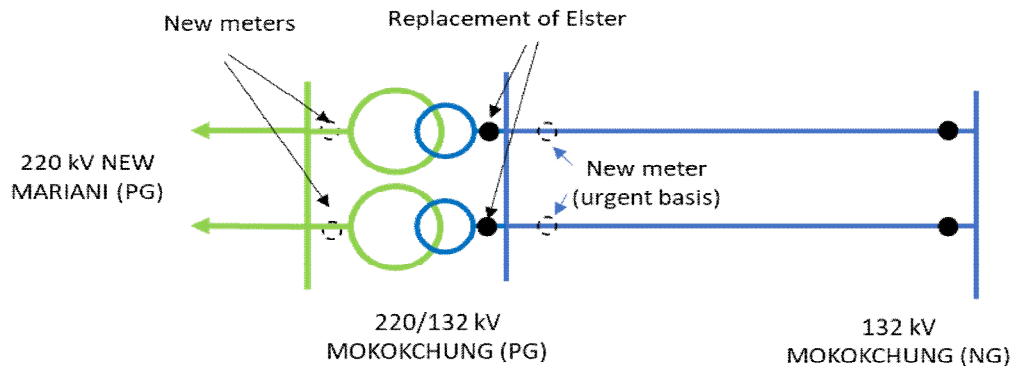
D.15 Procurement of SEM & DCD/Laptop for future requirements:

In 172nd OCCM it was decided that 10 more nos. of CMRIs shall be procured along with the already estimated 125 nos. SEMs and 15 nos. CMRIs. Sr.DGM (AM), NERTS informed that under the existing contract, quantity variation clause shall be exercised.

NERTS may please inform the status.

D.16 Replacement/Installation of new SEM at Mokokchung sub-station:

In 172nd OCCM it was informed that replacement/ New installation of SEM at Mokokchung-PG Substation shall be completed by Nov'20:



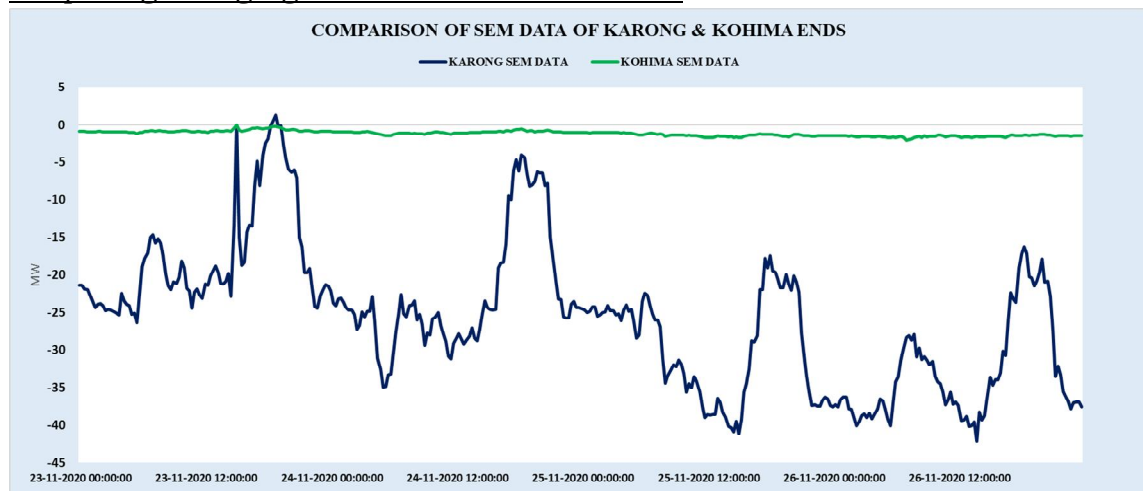
NERTS may please inform the status.

D.17 Sign Reversal Problem:

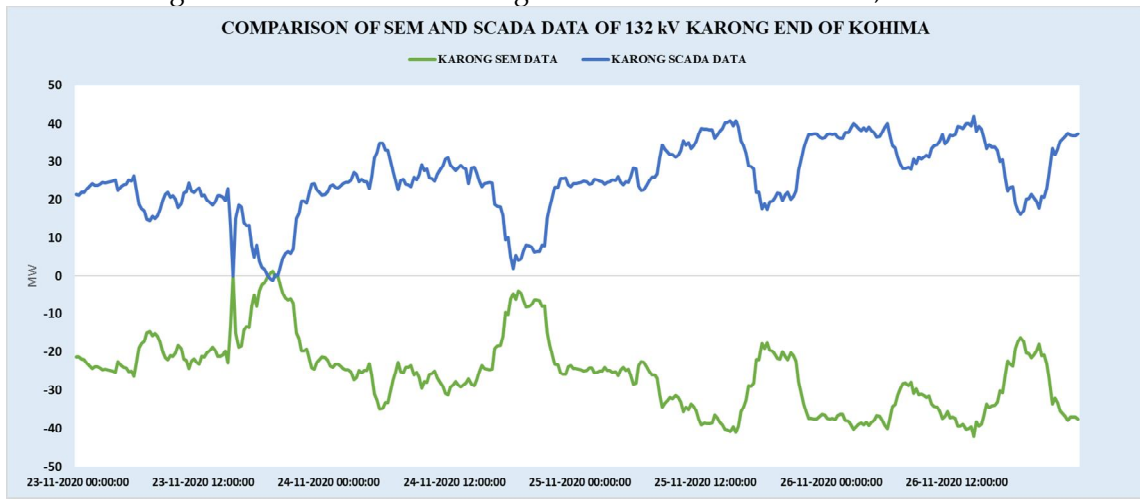
For sign reversal problem is persisting in the following lines the following were informed in the 171st OCCM:

Karong end (NP-9667-A) of 132 kV Karong - Kohima line. Also, Kohima end of 132 kV Karong - Kohima line reads appx. 20-25% less than that of Karong end - SDO, SLDC, DoP Nagaland informed that the SEM at Kohima has been replaced and the discrepancy is yet to be observed again after replacement. Further he also informed that the CT replacement process is underway.

Graph regarding Agenda D.18 of 172nd OCCM



Agenda for 173rd OCC Meeting to be held on 11th December, 2020



Erroneous data at Kohima end after installation of new SEM

Members may please discuss.

Any other item:

Date and Venue of next OCC

Annex-C.8

Details of RE Generation Projects							
Name of generation project	Name of potential RE Zone	Location (State, district)	Type (Wind, Solar, hybrid, Wind/ Solar with Storage, Small Hydro, Biomass etc.)	Total Capacity (MW) tied up /commissioned till 31.03.2020	Capacity (MW) tied-up /commissioned /to be commissioned during 2020-21 to 2026-27	Sub-station at which the RE generator is planned to be connected	Identified beneficiaries along with quantum of power, if any
Name of generation project	Name of potential RE Zone	Location (State, district)	Type (Wind, Solar, hybrid, Wind/ Solar with Storage, Small Hydro, Biomass etc.)	Total Capacity (MW) proposed to be commissioned during 2026-27 to 2031-32	Sub-station at which the RE generator is planned to be connected	Identified beneficiaries along with quantum of power, if any	

Annex-C.8

SI no.	Name of Substation	Type of Load (Domestic, commercial, Agriculture, Industrial etc.)	Maximum load in 2019-20 (MW)	Likely Maximum load in 2021-22 (MW)	Likely Maximum load in 2026-27 (MW)	Likely Maximum load in 2031-32 (MW)
1						
2						
3						

Annex-C.8

Details of intra-state transmission lines to be commissioned between 2021-22 to 2026-27						
Sl. No	From	To	Voltage Level (kV)	Length	Circuit (S/C or D/C)	Type of conductor
Details of intra-state transmission lines to be commissioned between 2026-27 to 2031-32						
Sl. No	From	To	Voltage Level (kV)	Length	Circuit (S/C or D/C)	Type of conductor
Details of Intra state ICT to be commissioned between 2021-22 to 2026-27						
Sl. No	Name of Substation	Volatge ratio	Capacity			
Details of Intra state ICT between to be commissioned between 2026-27 to 2031-32						
Sl. No	Name of Substation	Volatge ratio	Capacity			

RPO obligation of State/ UT			
	Solar	Non-solar	Total
2019-20			
2021-22			
2026-27			
2031-32			



NO. RMC GUWAHATI GH-1-031(EDQ)YIU DATED: 03.12.2020

To,
Mr. Palesh Jyoti Boraiah
System Operation II Department
NERDC, POSOCO

Sub: Latest status of site selection of AWS under POSOCO
Ref: Your small dated 02.12.2020

With reference to your email dated, kindly find below the latest status as on 03.12.2020. Remaining AWS site will be selected after the normalisation of present pandemic situation.

LATEST SITE STATUS OF POSOCO (03.12.2020)

STATE - TRIPURA (Undertaken by M.C. Aparajita)

SN	Name of sub-station where AWS required to be installed	LAT	LONG	Site approved or not
1	Grid S/S, 79 Tilla, Agartala			Site not suitable
2	S.M Nagar S/S			OK
3	Budhjungnagar S/S			OK
4	Jirania S/S			Site not suitable
5	Barmara GTP S/S			Site not suitable
6	Rokha GTP S/S			Site not suitable
7	Banduar S/S, Udalgur			Site not suitable
8	Rabindranagar S/S, Udalgur			OK
9	SI.DC, 79 Tila for SCADA integration and monitoring			Site not suitable
10	Gamsatia S/S, Telamara			Site not suitable
11	Anilassa S/S			Site not suitable
12	Garo Tilla S/S, Kamalpur			OK
13	P & Bar S/S, Lamsanghat			Site not suitable
14	Gouranagar S/S, Kaleswar			OK
15	Mission Tilla S/S, Dhamanagar			Site not suitable
16	Dhalabi S/S, Khowai			OK

MANIPUR

SN	Name of sub-station where AWS required to be installed	Site approved or not	M/O Imp/pt
1	Yurebam	Site not suitable	
2	Kalshangat	-do-	



STATE - MEGHALAYA (To be undertaken by M.C. Shillong)

SN	Name of sub-station where AWS required to be installed	Site approved or not
1	Byrnhat (Killing), Ri-Bhoi District	
2	Lumshing Jaintia Hills District	Rear Star Cement. Lot of dust. Site not suitable. Alternate site proposed at Chiranta
3	Mustem West jaintia Hills District	Site suitable after slight ground labelling
4	Mynke S/S and Klierlat East Jaintia Hills District	-do-
5	Mandpathar East Khasi Hills District	
6	NEHU East Khasi Hills District	
7	Lad Nongkrem (Mawlyndep), East Khasi Hills District	Site suitable after slight ground labelling
8	Nongstoin West Khasi Hills District LAT : 25° 30' 28.9" N LONG : 91° 14' 04.4" E AREA : 12 X 12 m	Site suitable after slight ground labelling Contact Person : Mr. Nongkhaw, RE (M) : 07640090103
9	Nangalbhra South Garo Hills District	
10	Rongkhon West Garo Hills District	
11	Amgati South West Garo Hills District	
12	Phulbari S/S, West Garo Hills District	

STATE - ASSAM

SN	Name of sub-station where AWS required to be installed	LAT	LONG	ADDRESS
1	NTPC, Borgigaon, Salakati			OK
2	Gaolpur			OK
3	BTPS			OK
4	Barnagar			OK
5	Mirza			OK
6	Rangis			OK
7	Agia			OK
8	Samaguri			OK
9	Gohpur			OK
10	Botajan			
	Marian	26° 03' 27"	94° 33' 50"	Mr. Minmoy Borah, Asstt. Manager, AEGCL, Marian
	Nazira	26° 03' 77"	94° 74' 52"	Mr. Madhub Mandal Neog, Resident Engineer, 132 KV SS, AEGCL, Nazira
	NTPS	27° 18' 30"	95° 37' 75"	Sri. Pinkha Boham, Resident Engineer, 220KV Grd SS, NTPS, AEGCL, Namrup
	Ledo	27° 17' 40.4"	95° 43' 48.3"	132 KV Margherita Sub Grid Station.



	Ledo, Near LEDO PHC NILOTPAL GOGO, RESIDENT ENGINEER (M) : 70026 34841
	Panchgram
	Dullavcherra

STATE : AR. PRADESH/ASSAM

SN	Name of sub-station where AWS required to be installed	LAT	LONG	ADDRESS
1	Khugi S/S			
2	Itanagar S/S(Chimpui)			OK
3	Lakhi S/S			Not suitable
4	Daporito S/S			
5	Aabo S/S			
6	Pasighat S/S			
7	Doomali S/S	27° 12' 49"	95° 28' 33"	Sr. M. M. Singh, Jr. Engineer 220/132/33 SS, Doomali (M) : 094360-96387/ 096625-16933

This is for your information and kind necessary action.
Thanking you,

Yours sincerely,

S. CHAKRABORTY
METEOROLOGIST-B
For DDGM, RMC GUWAHATI