

North Eastern Regional Power Committee

Agenda For

157th OCC Sub-Committee Meeting

Time of meeting : 15:00 Hrs.

Date of meeting : 4th June, 2019 (Tuesday)

Venue : "Hotel Nandan", Guwahati.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 156th MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

The minutes of 156th meeting of Operation Sub-committee held on 15th May, 2019 at Guwahati were circulated vide letter No. NERPC/SE (O)/OCC/2016/4556-4591 dated 22nd May, 2019.

The Sub-committee may confirm the minutes of 156th 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 156th OCC:

State	R&U scheme	ADMS	Capacitor Installation	SAMAST **	Line Differential Protection
Ar. Pradesh	Pkg#I tendering done Pkg#II tender not done due to MCC As soon as election over tender would be floated. **	Tender published. LOA by May'19.	-	TESG queries submitted.	-
Nagaland	Could not be updated due to absence of DoP Nagaland representative		To re-submit proposal to NERPC for Study.	TESG queries to be submitted.	Lines identified. Under DPR preparation stage.
Mizoram	Could not be updated due to absence of P&ED Mizoram representative		To re-submit proposal to NERPC for Study.	TESG queries submitted.	Lines not yet identified. To be taken up in Sub-group.
Manipur	LOAs issued. Completion by Jun'19.		Submitted to NERPC for Study before sending to NPC/NLDC.	TESG queries to be submitted.	Lines not yet identified. To be taken up in Sub-group.

Agenda for 157th OCC Meeting to be held on 4th June, 2019

Tripura	90% completed. Remaining by May'19		To submit proposal to NERPC for Study.	TESG queries submitted.	Lines not yet identified. To be taken up in Sub-group.
Assam	LOAs issued. Completion by Jun'19.		-	Appraisal Committee approved.	Lines identified. Under DPR preparation stage.
Meghalaya	MePTCL LOAs Completed Related Works target for completion by Jun'19. MePGCL - Erection complete by Mar'19		-	Appraisal Committee approved.	DPR already submitted and awaited approval.

The entities may also be advised to furnish 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. As per deliberation in the previous meetings all the utilities were requested to submit station-wise status of R&U schemes.

ADMS tender was floated on 19.04.2019. Technical bid was opened on 22.05.2019 & Demo was carried out at SLDC Meghalaya on 24.05.2019. The price bid was opened on 29.05.2019 and accordingly the highest QCBS scoring bidder was deemed to be eligible for award.

The total contract price for the entire scope of work shall be Rs. 8, 34, 56,000.00 Crores (Rupees Eight Crores thirty four lakhs fifty six thousand only) exclusive of GST@18%. However, GST@18% or as per actual, shall be payable extra.

The state-wise contract price is given below:

Name of State	Contract Price (in INR) exclusive of GST
Arunachal Pradesh	1,03,00,925
Assam	1,70,24,284
Manipur	1,17,56,625
Meghalaya	1,08,80,738
Mizoram	1,03,00,925
Nagaland	1,11,02,794
Tripura	1,20,89,709
TOTAL	8,34,56,000

States may please intimate the latest status.

B.2. OPERATIONAL PERFORMANCE AND GRID DISCIPLINE DURING MAY, 2019

NERLDC may please present the grid performance for the month of May,2019.

C. ITEMS- STATUS REVIEW

C.1. Update on Real Time Energy Assessment for Effective Grid Management:

In 155th OCC meeting, the following were decided:

- CDAC to complete installation of TARA devices for replaced SEMs by 30.04.2019.
- Integration of WBES schedule & SMS alert app to be deployed by CDAC by April'19

The 156th OCCM forum requested NERLDC & NERPC to co-ordinate for the SAT of CDAC project by 1st week of June'19.

NERPC/CDAC may please update the status.

C.2. Ensuring proper functioning of Under Frequency Relays(UFR) & df/dt Relays:

In 7th NPC meeting held on 08.09.17 it was agreed that mock test is good enough to test the healthiness of the UFR & df/dt relays. The frequency of site inspection was proposed to be upto six months. RPC may carry out periodic inspection, in line with provisions of IEGC and furnish inspection reports to NPC.

Deliberations in the previous meetings:-

- Inspection for Mawphlang completed.
- Inspection for Sankardevnagar, Rangia and Rowta under Assam was completed in April'2019.
- UFR Inspection in Tripura - TSECL to inform the suitable date(s) for inspection.

Members may please discuss.

C.3. Extended C Band VSAT for power system communications in NER:

In 156th OCCM CGM, NERLDC informed that KPTCL has committed to go ahead with the Pilot Project. The readiness for immediate execution of the same will be communicated.

MePTCL raised apprehensions regarding the possibility of Cyber Security breach at Killing as fallout of this pilot. NERLDC informed that the same has already been taken care of, which will be addressed by GM(SL), NERLDC.

NERPC/NERLDC may please intimate the status.

C.4 Phase shift errors in PMU:

In 156th OCCM it was decided that within 22.05.2019 the data w.r.t. connection changes will be collected by NERTS in conjunction with AEGCL and rectification would be completed by May'19 for substations with +/- 120 degree and planning of activities to correct the phase shift of -90 or +150 degree group shall be made by May 2019.

NERTS/AEGCL may please update the status.

C. 5 Tentative schedule for Black Start & Restoration Procedure Mock exercise in NER during the year 2019

In 156th OCCM the mock black start schedule was agreed as below:

AGTCCPP completed

LOKTAK 20.05.19 to 23.05.19

Khandong completed

KOPILI completed

RHEP to be done in lean season

DOYANG 2nd week of June'19

NEEPCO/NHPC/NERLDC may please intimate the status.

C. 6 Reactive power capability/injection of generating stations:

As per discussion in previous meeting(s) the following needs to be updated:

- PG Test Reports of Pare - NERLDC to confirm sufficiency.
- Procedure for reactive capability testing to be discussed and finalised.
- Study report regarding MVAR control with tap changing of ICT at Palatana to be discussed.

Members may please discuss.

C.7 Review of relay settings at Karong:

In 156th OCCM it was brought to notice that the flow in the 132kV karong-Kohima is being limited (at 20MW from Karong to Kohima) via relay settings at Karong. The forum noted that this would lead to unwanted trippings of the line and requested MSPCL to review the same.

MSPCL may please intimate the status.

C.8 Restoration of SCADA for control and annunciation:

The SCADA for control and annunciation of 132 kV Kopili Khandong Feeder II and 220/132 kV, 160 MVA ICT is not in operation since a long period of time leading to difficulty in monitoring and operation. POWERGRID may be requested to restore the same or separate control and monitoring panel for the feeder at the earliest.

In 156th OCCM NERTS assured that SCADA, C&R panel will be restored ASAP possibly by May'19

NEEPCO/NERTS may please intimate the status.

C.9 Shutdown related to upgradation of 132kV Motonga Sub-station in Bhutan:

Deliberations in the 156 th OCCM	Latest status
<p>1) <u>Date for ERS shifting - nature and duration of shutdown.</u> For erecting on ERS 2-3 days continuous shutdown of 132kV Rangia-Motonga is required. The date(s) may be intimated so that shutdown can be approved accordingly.</p>	<p>01.06.2019 to 03.06.2019</p>
<p>2) <u>Protection settings at Rangia</u> Line parameters are already available with NERTS/POWERGRID for the 132kV Rangia-Deothang. The parameters for the line from Tee point to Silicon factory has to be provided by Bhutan. During shutdown NERTS would visit and revise the settings.</p>	<p>For protection setting and line parameters from Tee point to Silicon factory, Divisional Manager, Deothang has been requested to provide necessary data</p>
<p>3) <u>Metering & Accounting issues</u> NERLDC stated that presently meter reading at Rangia end is used for Accounting purpose and SEM at Motonga is used for verification. In the revised configuration similar arrangement would be followed with Rangia end is used for Accounting purpose and SEM at Deothang/SILICON factory used for verification. However, the meters at Deothang end & Silicon factory end are ABT compliant or not, is to be confirmed. NERLDC also requested the forum regarding sample meter readings of Deothang and Silicon Factory meters for verification purpose. It was decided that NERTS would visit Deothang/Silicon factory and verify the same including collection of IR during the time of shutdown.</p>	<p>Meters at Deothang(presently installed at Motonga end) and Silicon factory(to be installed) are ABT compliant.</p> <p>Installation of ABT meters at Deothang and Silicon factory end to be done during shutdown period. NERTS to coordinate.</p> <p><i>Following meter readings are to be taken jointly by NERTS and Bhutan:</i></p> <p>(i)Final Reading of SEM at Motonga prior to dismantling</p> <p>(ii)Final reading of Main Energy Meters at Deothang and Silicon Factory prior to dismantling</p> <p>(iii)Initial SEM reading at Deothang and Silicon Factory</p> <p>Bhutan has clarified that SEMs at Deothang & Silicon Factory are to be used for Accounting since presently Motonga is being used.</p>

NERTS/NERLDC may please intimate the latest status.

C. 10 Status of recommendations reg GD-Vs on 03rd & 20th April,2019:

Recommendations	Latest Status
Review of negative phase sequence relay settings for GBC motor at Monarchak (Scope of NEEPCO)	
Identification of weak joints for 400kV Palatana-Silchar D/C (Scope NERTS)	
Loading limit of 132kV PKBari-Dhalabil to be informed (Scope of TSECL)	
Hotline communication from Silchar to Palatana (Scope of NERTS/OTPC)	
Study for reactive compensation in Tripura System(scope of TSECL)	
Identification of feeders for additional UFR based load shedding under Islanding Scheme-II(Scope of TSECL)	
Review of 132kV Imphal - Imphal D/C overvoltage settings at Imphal(MAN) (Scope of MSPCL)	
NERTS to visit AGTCCPP and check relay/DR downloading facility in one week	
Standalone EL for integration of relay at AGTCCPP by Oct'19(Scope of NEEPCO)	
All stations to confirm DR downloading facility and it's healthiness at respective stations. A consolidated undertaking by the respective utility in this regard is to be submitted prior to each OCCM.	
NHPC to procure standalone EL for Loktak HEP	
NERTS would explore options in consultation with OEM regarding time synchronization issues at Silchar	
Upon SPS-2 activation 132kV Bus Coupler Breaker to be opened at Palatana. Old scheme of opening of HV side CBs of ICTs to be disabled/removed (Scope of OTPC)	
Revised SPS-3 scheme offer sought from GE by NERTS	
Line defects in 400kV Silchar - Azara & 400kV Silchar-Byrnihat T/L to be attended(Scope of NETC)	
Impedance measurement for 400kV Paltana-Silchar D/C, 400kV Silchar-Azara, 400kV Silchar - Byrnihat	
Line parameters to be matched at Silchar, Azara and Byrnihat.	
Spare relay REL 670 to be installed at	

Byrnihat for 400kV Silchar-Byrnihat(Scope of MePTCL)	
NERTS and AEGCL to jointly visit Azara and check exact cause for delay in appearance of voltage input to relay when charged via Tie Breaker	

Concerned utilities may please update the status.

AGENDA ITEMS FROM NERLDC:

C.11 Installation of Anemometer:

As per CERC Order in Petition number 9/SM/2014 dated 14.06.16, Hon'ble CERC has directed PGCIL to install Anemometer in all its sub-stations to record wind speed. In 132nd OCCM, DGM (AM), NERTS informed that installation of anemometers is being carried out in SR-1. After satisfactory performance, anemometers will be installed in other regions. In 142nd OCCM, NERTS was requested to present Action Taken Report for installation of anemometers.

NERTS may please intimate the status.

C. 12 Metering Status Review:

Agenda Description	Latest Status	Remarks
Distribution of 70 Laptops	Laptops would be distributed by 15th May'19.	Location-wise Status and progress may be discussed.
Correction of Meter error at Pare, Ningthoukhong, Kohima, Jiribam(man), Dimapur(s).	YET TO BE CORRECTED.	Status and progress may be discussed.

NERLDC/NERTS/All STUs may please intimate the status.

D. ITEMS FOR DISCUSSION

D.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			1.578	
Kopili			4.07	
Doyang			0.1096	
Loktak			1.0005	

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

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

D.2 Outage Planning Transmission elements

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

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

It was decided in the previous OCCM that no shutdown would be granted to utilities not submitting DR/EL regularly.

The sub-Committee may kindly discuss and approve the transmission line outages proposed by Constituents for June,2019 - July,2019 which is available in the website of NERPC.

D.3 Estimated Transmission Availability Certificate (TAC) for the month of March, 2019 - April,2019:

NETC and POWERGRID have submitted the outage data for the month of March, 2019 - April, 2019. So the attributability of outage of the said elements may please be finalized.

Members may please discuss.

D.4 Assessment of TTC, TRM & ATC by SLDC on respective Inter-State Transmission Corridor

The forum requested all the SLDCs to carry out the TTC/ATC calculations and decided that SLDC Ar. Pradesh would give presentation in the next OCC.

Members may please discuss.

AGENDA ITEMS FROM NERLDC

D.5 Methodology for taking generating stations under RSD:

Methodology for taking generating station under RSD in case of low requisition resulting in despatch schedule less than technical minimum. The methodology is enclosed as **Annexure D.5**.

NERLDC may please deliberate.

D.6 Patrolling protocols/guidelines:

Finalization of patrolling protocols/guidelines for NER as per CERC order No 146/MP/2013 with I.A. 36/2013.

NERLDC may please deliberate.

D.7 Patrolling protocols/guidelines:

Finalization of patrolling protocols/guidelines for NER as per CERC order No 146/MP/2013 with I.A. 36/2013.

NERLDC may please deliberate.

D.8 Training program on Power System Studies:

HRD Training Program on Power System Studies will be conducted tentatively during second week of July'19 at NERLDC. All SLDCs are requested to participate the program.

NERLDC may please deliberate.

D.9 Better weather forecasting for power sector by IMD:

During the interaction of NERLDC with IMD , Guwahati, they requested to set up observatories in appropriate substations covering all important locations of NER states, which will be beneficial for power utilities of NER.

Also, NERLDC in coordination with IMD, Guwahati proposes to conduct one-hour knowledge sharing session on "Meteorological requirements of Power System Operation" in next OCC Meeting.

NERLDC may please deliberate.

D.10 Training program on Power System Studies:

HRD Training Program on Power System Studies will be conducted tentatively during second week of July'19 at NERLDC. All SLDCs are requested to participate the program.

NERLDC may please deliberate.

D.11 List of Important grid elements:

HRD Training Program on Power System Studies will be conducted tentatively during second week of July'19 at NERLDC. All SLDCs are requested to participate the program.

NERLDC may please deliberate.

D.12 Draft Operating Procedures:

Draft Operating Procedure for the year 2019 is mailed to all Utilities. It is requested to give comments by 30th Jun'19.

NERLDC may please deliberate.

Metering Agenda

D.13 METER ERRORS:

1. Pair check error observed in following location, CT / PT error suspected.

l) Kohima-Karong, Kohima end reading is less than 20%.

NERLDC may please deliberate.

D.14 High SEM Time Drift:

Time drift in SEMs may result in computational errors in Regional energy accounts & Weekly Loss. All constituents in whose premises the meters are installed are required to take corrective action for time correction whenever meter time drift > 1minute and submit weekly compliance report of the same to NERLDC.

The compliance report of many locations as detailed in **Annexure D.14(I)**, are not received by NERLDC and **Annexure D.14(II)** provides location details of Drift correction action not being done / weekly SEM data not sent.

NERLDC may please deliberate.

D.15 SEMs to be repaired:

Considering precarious stock position of Spare SEMs, a list of 78 SEMs has been prepared as per Annexure C. These may be repaired at the earliest.

NERLDC may please deliberate.

AGENDA ITEMS FROM P&ED MIZORAM:

D.16 Up-dation of DSM Statement Accounts and DSM Data file

Consequent upon the implementation of DSM and related matters (Fourth Amendment) Regulations, 2018, ZVC surcharge has been imposed. Even though communication has been received from NERLDC/POSOCO weekly charges on ZVC, however NERPC has not updated Deviation Account Statement and DSM data file with effect from Week-43 (i.e 21.01.2019 to 27.01.2019). It is desired that the Deviation Account Statement under ABT regime be always accompanied by energy details – Schedule, Actual, Deviation and ZVC details (for energy accounting purpose) be issued in timely manner.

In these circumstances, it is not possible to process for payments on account of ZVC surcharge. So updation of Deviation Account Statement and Data file for DSM is an urgent need with a view of possible late payment interests.

P&ED Mizoram may please deliberate.

Any other item:

Date and Venue of next OCC

It is proposed to hold the 158th OCC meeting of NERPC on second week of July, 2019. The date & exact venue will be intimated in due course.

Methodology for taking generating station or unit(s) thereof under Reserve Shut Down (Day Ahead Condition.)

- 1 The beneficiaries shall furnish their original requisition for the next day (D-day) to their respective NERLDC by 1500 hours of the current day (D-1) based on the entitlements given by the concerned NERLDC in accordance with the Grid Code, as amended from time to time.
- 2 Ex-Power Plant (Ex-PP) dispatch schedule of a generating station for each time block shall be computed by the respective NERLDC by taking algebraic sum of requisitions of all beneficiaries of that generating station by 1800 hours and same shall be uploaded on website for next day (D) by 1900 hours of current day (D-1). The Ex-PP schedule shall be restricted to On Bar DC.
- 3 If the net EX-PP injection schedule for a generating station is less than technical minimum, the beneficiaries shall be required to review their requisition(s) and submit a revised requisition(s), by 2000 hours of current day (D-1) to the concerned NERLDC.
- 4 Based on the revised requisitions received up to 2000 hours of current day (D- 1), NERLDC shall prepare revised injection schedule for the concerned generating station. If the scheduled injection is still less than technical minimum, NERLDC shall review the anticipated demand pattern based on the demand forecast and grid conditions to decide on the requirement of providing technical minimum schedule to the generating station.
- 5 NERLDC shall suo-moto revise the schedule of any generating station as per clauses 6.5.14 and 6.5.20 of the Grid Code to operate at or above technical minimum in the ratio of under-requisitioned quantum (with respect to technical minimum) in the interest of smooth system operation under the following conditions
 - a. Extreme variation in Weather Conditions
 - b. High Load Forecast
 - c. To maintain reserves on regional or all India basis
 - d. Network Congestion
 - e. Any other event which in the opinion of NERLDC/NLDC shall affect the grid security

While doing so, it is possible that the requisition of some beneficiaries may go up to ensure technical minimum. In this case, SLDCs may surrender power from some other inter-State generating station(s) or intra-State generating station(s) based on merit order. The concerned NERLDC shall issue R-1 schedule accordingly and this shall be intimated to the concerned generating station, through the scheduling process.

- 6 If the grid conditions do not demand for providing technical minimum to a generating station, NERLDC shall issue R-1 schedule based on the requisitions received. Under such situation, the generating station shall have the option to go for RSD with intimation to NERLDC latest by 2100 hrs.

- 7 If the grid conditions do not demand for providing technical minimum to a generating station, NERLDC shall publish the difference between technical minimum and schedule in MW required to run the unit(s) in technical minimum.
- 8 Before taking unit(s) under RSD, the generating station shall revise the On Bar DC (with due consideration to ramp up/down capability), Off Bar DC, DC and Ramp UP/RAMP Down rate. The generator shall ensure that the Off Bar DC is not more than the MCR less Normative Auxiliary Consumption of the machines under RSD. The beneficiaries shall continue to bear the capacity charge corresponding to Total DC.
- 9 When the machine is going under RSD :
 - a. In case the total requisitioned power can be supplied through other units in the same generating station on bar, the generator shall be scheduled according to the requisitions received.
 - b. In case total requisitioned power cannot be supplied through other units in the same generating station on bar, the requisition from the beneficiaries shall be reduced in the ratio of requisitioned power.
 - c. In the special case of a generating station where the only running machine is going under RSD, the beneficiaries who have requisitioned power will not get any power from that generating station. In such cases, the beneficiaries may make arrangement from alternative sources

Methodology for taking generating station or unit(s) thereof under Reserve Shut Down (Real Time Schedule Revision)

1. A beneficiary can surrender its part or full entitlement during the day of operation in accordance with the relevant provisions of Grid Code.

In case, the schedule of a generating station goes below technical minimum, due to this surrender of power:

- a. NERLDC may provide technical minimum schedule considering the system conditions in accordance with Regulations 6.5.14 and 6.5.20 of the Grid Code.
- b. In case the system condition does not require, NERLDC shall direct the generating station to take any unit or the generating station under RSD. In such a scenario, NERLDC shall display the station likely to go under RSD on its website. In case, the schedule is still less than the technical minimum and generating station decides to take a unit(s) under RSD, it shall inform the same to concerned NERLDC

Methodology for revival of generating station or unit(s) from RSD

1. Once a unit is taken out under RSD, the generating station will be notified the period for which the unit will remain under RSD and the unit can be recalled anytime after 8 hours. In case of system requirements, the generating unit can be revived before 8 hrs as well.
2. One or more beneficiaries of the generating station as well as the generating station may decide for revival of unit(s) under RSD
 - a. Generating Station will inform NERLDC for revival of unit(s), with commitment from one or more beneficiaries.
 - b. Once time and commitment received, NERLDC will ensure technical minimum schedule with minimum run time of at least 8 hrs for Coal based generating stations and at least 3 hrs for Gas based generating stations post revival.
3. NERLDC may also advise the generating stations to revive unit(s) under RSD for better system operation (IEGC 6.5.20). In such cases, NERLDC shall ensure technical minimum schedule by increasing schedule of all the beneficiaries in the ratio of under-requisition.

Time Drift Report status

SL NO	PGCIL	STATUS
1	PGCIL SALAKATI	REPORT NOT SENT/ACTION NONE
2	PGCIL NIRJULI	REPORT SENT BUT ACTION NONE
3	PGCIL BONGAIGAON	IRREGULAR REPORTING
4	PGCIL BADARPUR	REPORT NOT SENT/ACTION NONE
5	PGCIL AIZAWL	REPORT NOT SENT/ACTION NONE
6	PGCIL SILCHAR	REPORT NOT SENT/ACTION NONE
7	PGCIL BNC	REPORT NOT SENT/ACTION NONE
8	PGCIL HAFLONG	REPORT NOT SENT/ACTION NONE
9	PGCIL MARIANI	REPORT NOT SENT/ACTION NONE
10	PGCIL MOKOKCHANG	REPORT NOT SENT/ACTION NONE
	ASSAM	
11	AZARA-BONG	ACTION NONE
12	AZARA-SIL	ACTION NONE
13	132 KV AGIA FEEDER	ACTION TAKEN
14	SAMAGURI END OF MISA-I FDR	ACTION TAKEN
15	SARUSAJAI S/S	NO ACTION/REPORT NOT SENT
16	TINSHUKIA S/S	NO ACTION/REPORT NOT SENT
17	UMRANGSOO S/S	NO ACTION/REPORT NOT SENT
18	SONABIL S/S	NO ACTION/REPORT NOT SENT
19	KAHELIPARA S/S	NO ACTION/REPORT NOT SENT
20	DULLA VCHERRA	REPORT SENT BUT ACTION NONE
	ARUNACHAL	
21	CHIMPU S/S	NO ACTION/REPORT NOT SENT
	TRIPURA	
22	79 TILLA S/S	NO ACTION/REPORT NOT SENT
23	SURJAMANI NAGAR S/S	NO ACTION/REPORT NOT SENT
24	UDAIPUR	NO ACTION/REPORT NOT SENT
	MIZORAM	
25	Kolasib s/s	NO ACTION/REPORT NOT SENT
	NAGALAND	
26	KOHIMA S/S	NO ACTION/REPORT NOT SENT
	GENERATORS	
27	DOYANG	REPORT NOT SENT
28	RHEP	REPORT NOT SENT
29	NTPC	REPORT SENT BUT ACTION NONE

Time Drift Corrective Action Not taken

SL NO	ENTITY	LOCATION	TIME DRIFT STATUS(MIN)	REMARKS
1	ASSAM	AZARA-BONG	-3:55	Meter replaced due to high time drift but due to inaction drift >3
2	ASSAM	AZARA-SIL	-4:24	Meter replaced due to high time drift but due to inaction drift >4
3	ASSAM	DULLAVCHERRA	+2:20	No action taken

Locations not sending weekly SEM data

SL NO	LOCATION NOT REPORTING	STATUS
1	UDAIPUR (TR)	DATA NOT SENT
2	MOKOKCHANG (NG) - DOYANG FDR	DATA NOT SENT
3	SONABIL(AS)	DATA NOT SENT