

सत्यमेव जयते

Minutes of 204th OCCM



Govt. of India Ministry of Power North Eastern Regional Power Committee Shillong Minutes of Meeting | 204th OCC Meeting | 18th July 2023 | Guwahati

North Eastern Regional Power Committee <u>Minutes of the</u>

204th Operation Coordination Sub-Committee Meeting

Time of meeting	: 10:30 Hrs.
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Venue : "Hotel Royale de' Casa, Guwahati"

The list of attendees is attached as Annexure A-

Member Secretary NERPC welcomed all the participants to the 204th OCC meeting. He informed that two resolutions have been taken in the 24th TCC/RPC meeting: (1) To urge the Central Government for handholding towards manpower requirement to man the assets created under the NERPSIP and Comprehensive Schemes for the North Eastern States. (2) To include building/Civil works and also Video Conferencing facilities in the Capacity Building & Institutional Strengthening Scheme under NERPSIP and Comprehensive Scheme.

He further apprised the forum about charging of much awaited 132kV Roing-Chapakhowa D/C line which would provide necessary redundancy to the grid of Arunachal Pradesh. He added that in order to take maximum benefit out of this line, the Assam grid in the Tinsukia- Rupai areas need to be strengthened.

He then requested Director NERPC to take up the agenda items.

A. CONFIRMATION OF MINUTES

CONFIRMATION OF MINUTES OF 203rd MEETING OF OPERATION SUB-COMMITTEE OF NERPC.

The minutes of 203rd meeting of Operation Sub-Committee held on 15th June 2023 at Hotel Royale de' Casa, Guwahati was circulated vide letter No. NERPC/SE (O)/OCC/2021/245-287 dated 26th June 2023.

Following comment(s)/observation(s) were received from the constituents-

Agenda item	Utility	Originally recorded in the Comments	
		Minute	
D.5.15	SLDC	NERLDC thanked SLDC SLDC Megha	laya
Furnishing of data as	Meghalaya	Nagaland for furnishing the informed that	the
per Detailed Procedure		data for estimation of requisite data in res	pect

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on interim	reserves. Other NER states of Meghalaya had	d
methodology for	assured to provide the data at already been sent-on 2^{n}	ıd
estimation of Reserves	the earliest. NERLDC March 2023.	
under CERC (Ancillary	mentioned that the states	
Services) Regulations,	may contact Manager	
2022(item C.4 pf	NERLDC for clarifications (if	
198th OCCM)	any).	

The Sub-committee confirmed the minutes of 203^{rd} OCCM of NERPC, with above modification(s)/addition.

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B. FOLLOW UP AGENDA ITEMS

B.1. Operational Performance and Grid discipline during June, 2023:

NERLDC presented the Operational Performance and Grid Discipline report for the month of June, 2023. (Annexure B.1)

The sub-committee noted as above

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

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

Plants	Reservoir level in meter (as on 16/07/2023)	MU content	Present DC (In MU)	No of days as per current generation
Khandong	Under outage and restoration process going on	Under outage and restoration process going on	0	Will be "0" until further intimation.
Kopili	Under outage and restoration process going on	Under outage and restoration process going on	0	Will be "0" until further intimation.
Doyang	314.35	12	0.94	13
Loktak	766.78	19	0.77	25

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

Deliberation of the sub-committee

The proposed outages of generating units were discussed in the forum and the list of OCC approved shutdowns of Generating units for the month of August'23 has been provided in **Annexure B.2**

B.3. Outage Planning Transmission elements

It was agreed in the 99thOCC 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 1^{st} day of the following calendar month to the $30^{th}/31^{st}$ day of the same month.

Deliberation of the sub-committee

The proposed outages of transmission elements were discussed in the forum and the list of OCC approved shutdowns of transmission elements for the month of August'23 has been provided in **Annexure B.2**

Sub-committee noted as above

B.4. Estimated Transmission Availability Certificate (TAC) for the month of May, 2023:

Transmission Utilities have submitted the outage data for the month of May, 2023. The attributability of outage of the said elements has been finalized by NERLDC and NERPC. The Availability percentage of the transmission elements of ISTS licensees for the month of May, 2023 is as follow:

SN	ISTS Licensee	Availability for May'23(%)
1	NETC	100.0000
2	KMTL	99.9619
3	NER-II TL	100.0000
4	PGCIL	99.8656

The above TAC will be issued shortly.

The sub-committee noted as above

B.5. Mock Black Start Exercise:

As per regulation 5.8 (b) of IEGC, mock black start (MBS) shall be carried out by Users/CTU/STUs at-least once in 6 months.

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

Status as updated in 203rdOCCM

Plant Name	Last testing date	Due date	Schedule of Testing as per 203 rd OCCM
AGBPP			after upgradation of DG under R&M*
AGTTCCPP	04.02.2023	04.08.2023	04.08.2023
RHEP	28.11.2022	28.05.2023	Completed on 30.05.2023
PareHEP	15.02.2023	15.08.2023	15.08.2023**
Kopili HEP	10.05.2019	Under prolonged shutdown	Under prolonged shutdown
Khandong HEP	09.12.2021	Under prolonged shutdown	Under prolonged shutdown
DHEP	21.10.2022	21.04.2023	Done on 12 th May 2023
Kameng HEP			***
Loktak HEP	16.12.2021	20.06.2022	NHPC will confirm the dates once the water level improves

*Regarding AGBPP, GM, NEEPCO updated that R&M of the plant has been approved and procurement process will start soon. He also updated that DPR already sent to CERC and work in progress.

**Regarding Pare HEP, GM NEEPCO stated that MBS exercise is not possible in High Hydro season.

ED NERLDC informed that the concerned generating utilities need to adhere the IEGC regulation and timely conduct the MBS exercise on respective generating units.

***GM, NEEPCO stated that M/s BHEL is not responding to the repeated request for NEEPCO to resolve the MVAR settings issues of the machine.

Member Secretary, NERPC stated that a letter has been written to the OEM, M/s BHEL to expedite the process. He further stated that the contact persons' details of BHEL will be shared with NEEPCO for further follow-ups.

Deliberation of the sub-committee

Status as updated in 204th OCCM

Plant Name	Last testing date	Due date	Schedule of Testing as per 204 th OCCM
AGBPP			after upgradation of DG under R&M*

AGTTCCPP	04.02.2023	04.08.2023	04.08.2023
RHEP	28.11.2022	28.05.2023	Completed on 30.05.2023
Pare HEP	15.02.2023	15.08.2023	15.08.2023
Kopili HEP	10.05.2019	Under prolonged shutdown	Under prolonged shutdown
Khandong HEP	09.12.2021	Under prolonged shutdown	Under prolonged shutdown
DHEP	21.10.2022	21.04.2023	Done on 12 th May 2023
Kameng HEP			**
Loktak HEP	16.12.2021	20.06.2022	RLDC to fix date of MBS exercise after consulting with NHPC

*Petition has been filed in CERC for tariff approval of the R&M project. The project is partially completed, rest underway.

** Member Secretary stated that a special meeting with BHEL, Grid India, NEEPCO, NERPC and other concerned stakeholder will be taken at the earliest to resolve the issue. NEEPCO/NERLDC will make necessary arrangement for the meeting.

The sub-committee noted as above

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	Enabled & in-operation
TSECL	24-12-2020	Enabled for two substations while yet to
ISECE	27-12-2020	be enabled for other three substations

As updated in previous OCC meetings:

DGM, SLDC, TSECL stated that shifting works at the Takerjhala, Bishalgarh and Badarghat substations is completed, however, some issue related to handing over, etc. remain to be settled. He further informed that ADMS is expected to be installed by August'23. ED, NERLDC clarified that a report has to be generated at every SLDC when ADMS tripping condition is satisfied, irrespective of tripping of the feeders.

NERLDC informed that Assam, Meghalaya and Mizoram send ADMS reports on event basis. SLDC Nagaland mentioned that reports are being sent on monthly basis.

Further, NERLDC mentioned that during the low frequency event on 15-05-2023 when all India grid frequency touched 49.40 Hz, ADMS operation was expected only from Tripura as among all states of NER only Tripura was overdrawing during the aforementioned event. But as the ADMS is not fully operational in Tripura, the same did not operate. SLDC Tripura mentioned that implementation of ADMS is underway in the state.

In 203rd OCCM, SLDC TSECL informed that ADMS at Takerjhala, Bishalgarh and Madhupur will be installed by August 2023 end or 1st week of September 2023. NERLDC stated that no report has been sent by Tripura till date.

Member secretary NERPC exhorted all the states to provide event wise as well as monthly ADMS report to NERPC and NERLDC

Deliberation of the sub-committee

DGM, SLDC, TSECL clarified that ADMS has been installed and enabled at SM Nagar and Badarghat substations, while the work is pending at Takerjhala, Bishalgarh and Madhupur substations. Further, he updated that the shifting works have been completed and the installation work is being taken up with the Discom. The whole work is expected to be completed by September'23.

Regarding non-operation of ADMS at SM Nagar and Badarghat in the low frequency event on 15-05-2023, he intimated that the AMDS did not operate due to some IP and SIM issues. The issues have now been resolved by the vendor and ADMS is fully functional at the substations. Member secretary NERPC requested TSECL to send a report to NERPC regarding the details of implementation and pending works, if any. *The sub-committee noted as above*

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

At present NERLDC is reporting 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.

State	Time	N-1 considered	Limiting element	TTC	RM	ATC
	Period					
Arunachal	Off-Peak	132kV Lekhi –	132 kV Pare –	195	5	190
Pradesh	Peak	Pare	Itanagar S/C	195	5	190
Assam	Off-Peak	220kV Misa-Samaguri I or	220 kV Balipara-Sonabil	1730	40	1690
	Peak	II		1600	40	1560
Manipur	Off-Peak	132kV Imphal MA-	132 kV Imphal	320	5	315
	Peak	Imphal PG Ckt I	(MA)-Imphal (PG) II & III	320	5	315
Meghalaya	Off-Peak	132 kV Umiam3 – Umiam	132 kV Umiam-Umiam	340	10	330
	Peak		Umiam 1 II	260	10	250
Mizoram	Off-Peak	132 kV Melriat-Silchar I	132 kV Aizawl-Luangmual	160	5	155
	Peak	ORII	S/C	155	5	150
Nagaland	Off-Peak	220/132 kV ,100	220/132 kV ,30	255	5	250
	Peak	MVA Dimapur ICT	MVA Mokokchung ICTs	290	5	285
Tripura	Off-Peak	132 kV SM Nagar(ISTS)	132 kV SM-Nagar (TR) –	340	6	334
	Peak	Budhjungnagar S/C	SM Nagar (ISTS) S/C	315	6	309

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

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.

As agreed in previous OCCMs, all the states are requested to provide the respective ATC/TTC to NERLDC on monthly basis.

In 203rd OCCM, NERLDC stated that SLDC Arunachal Pradesh has not yet submitted any monthly report to NERLDC and SLDC Manipur did not submit for May'23. Member secretary NERPC exhorted all the states to provide the TTC/ATC reports regularly to NERLDC.

Deliberation of the sub-committee

NERLDC highlighted, through presentation (Annexure B.7), that frequent and sustained violation of TTC/ATC by some States of NER is being observed. Sr. GM

NERLDC requested all the States to undertake regular study of TTC/ATC and undertake intra state system strengthening works to address the problem.

SE, SLDC, DoP Ar. Pradesh requested NERLDC to conduct a one-to-one meeting with SLDC Ar. Pradesh to impart training regarding calculation of ATC/TTC of the state. NERLDC agreed to conduct a special online training sessions for the Engineers of DoP, Ar. Pradesh.

MS, NERPC requested NERLDC to conduct similar training programs for other States also.

After detailed deliberation, the forum decided that that SLDCs must submit the TTC/ATC calculation reports by 10th of every month.

The sub-committee noted as above

B.8. Issues pertaining to Kopili, Khandong and Meghalaya power system.

A. Load restriction in Meghalaya Power System due to outage of Khandong HEP &KopiliStg-II:

Khandong & Kopili Power Stations have been under forced outage due to which there have been vulnerabilities in the Meghalaya Power system. The following lines are critical for removing the vulnerabilities-

- Restoration of Misa-Kopili-Khandong link
- Reconductoring of 132kV Lumshnong-Panchgram line
- Commissioning of 220kV Mawngap-Killing line

Status may be updated

B. Restoration works at Khandong and Kopili substations

Efforts are being taken to restore the following lines on permanent basis-

- 132kV Kopili-Khandong D/C
- 220kV Misa-Kopili line
- 220/132kV ICTs at Kopili SS
- 132kV Khandong Bus A
- 132kV Khandong-KhleihriatCkt 1 bay at Khandong

It is to be noted that 132kV Khandong-Khleihriat Ckt 1has been charged through Kopili 2 bay at Khandong till permanent restoration of 132kV Kopili-Khandong D/C line is done.

Status may be updated

C. Recommissioning of 4X50 MW KopiliStage-I plant (2 units)

NEEPCO is planning to re-commission and synchronize two units of Kopili (4x50MW) by July'23, for evacuation of which, either 220kV Misa-Kopili line or Kopili-Khandong D/C is required.

In previous OCC meetings following points were discussed

i) Regarding Mawngap-Killing line, NERPSIP intimated that there is some development in resolution of RoW issue at Nongpoh and erection work will be done in 1st week of June, 2023. Further, the line will be tentatively charged by 1st week of July, 2023.

ii)Regarding restoration of 132kV Khandong-Khleihriatckt 1 bay at khandong, GM, NEEPCO updated that the restoration of bay of 132kV Khandong-KhleihriatCkt 1 will take longer time (more than 1 year). Regarding restoration of Ckt 1, DGM, NERTS proposed to charge the ckt through Kopili 2 bay at Khandong substation till the permanent restoration of 132kV Kopili-Khandong D/C line is done. Forum noted that this shall improve reliability of the corridor and supply of power to Meghalaya and thus the proposal was approved till readiness of Khleihriat-1 bay at Khandong.

iii) Regarding restoration status of 132kV Kopili-Khandong D/C, DGM, NERTS updated that GIS works are underway at Kopili and SAS based panels for the lines are under procurement. He stated that the line will tentatively be charged by September 2023. He further proposed that after restoration of the Kopili-Khandong D/C, the KhliehriatKhandongckt 1, which would have been charged through Kopili 2 bay at Khandong till then, may be connected directly to Kopili-Khandongckt 2 through a bypass arrangement at Khandong S/Y using Bus A, thus making a direct Kopili-Kliehriat link. The arrangement will work till the bay restoration work at Khandong is completed by NEEPCO. NERTS opined that this arrangement will not only avoid

keeping the Khliehriat-Khandongckt 1 idle, but also provide necessary redundancy to the Meghalaya Grid.

iv) Regarding restoration of Khandong Bus A, GM, NEEPCO apprised that the restoration will take a longer time frame (more than one year) as tender has not yet been finalized. He also highlighted that till the restoration of Bus A, the whole Khandong substation will be working with singe bus only, thus redundancy at khandong station will remain compromised.

v) NERLDC and SLDC Meghalaya reiterated that Misa-Kopili-Khandong link must necessarily be revived before the onset of next winter season in Meghalaya to cater safely to the peak demand of Meghalaya.

S1.	Element	Update provided by respective utilities in 203 rd		
No		ОССМ		
1	Reconductoring of	Work In Progress. MePTCL further stated that the line crosses		
	132kV Lumshnong	33/11kV distribution feeders of Assam in few spans (5Km		
	line (MePTCL)	stretch), thus shutdown of these distribution feeders is		
		required for completing the upgradation work. However,		
		shutdown request is pending with APDCL, thus hampering		
		the work. The forum requested MePTCL to explore the option		
		of cabling the spans of distribution feeders in order to avoid		
		long outage of electricity for consumers. MePTCL assured to		
		look into the option and finally stated that the reconductoring		
		work will be completed by August'23 provided the requested		
		shutdowns are granted by APDCL.		
2	Commissioning of	RoWissue still persists and 5 erections, 1 foundation and		
	220kV Mawngap-	5km stringing work left. Disbursal of compensation by		
	Killing line	end of July'23.		
	(NERPSIP)			

Status as updated in the 203rd OCCM meeting-

3	132kV Kopili-	GIS work (132kV bays) at Kopili underway, order for
	Khandong D/C	procuring SAS based panels placed and panel in tansist.
	(NERTS)	To be charged by Sept'23.
4	220kV Misa-Kopili	220kV switchyard at Kopili re-commissioning works
	line (NEEPCO)	under process, will be completed before the end of
		July'23.
5	220/132kV ICTs at	SAS based panels under procurement. WIP
	Kopili SS (NERTS)	
6	132kV Khandong	Tender floated. Complete restoration may take 1
	Bus A (NEEPCO)	years.
7	132Kv Khleihriat	
	Ckt 1 bay and	
	Kopili 1 bay at	
	Khandong	
	(NEEPCO)	
8.	4X50 MW Kopili	Recommissioning is expected by July'23
	Stage-I plant (2	
	units) (NEEPCO)	
1		

DGM, NERTS apprised the forum that Khandong-Khliehriat ckt 1 has been charged through Kopili ckt 2 bay at Khandong.

Deliberation of the sub-committee.

Status as updated in the 204th OCCM meeting-

S1.	Element	Update provided by respective utilities in 204 th		
No		ОССМ		
1	Reconductoring of	Work In Progress. Consent from APDCL has been obtained for		
	132kV Lumshnong	shutdown of distribution feeders. Further shutdown of the		
	<i>line (MePTCL)</i> Lumshnong-Panchgram line will be required.			

2	Commissioning of	RoW issue still not fully resolved. Tentative completion						
	220kV Mawngap-	by August'23						
	Killing line							
	(NERPSIP)							
3	132kV Kopili-	GIS work (132kV bays) at Kopili underway, order for						
	Khandong D/C	procuring SAS based panels has been placed and panel						
	(NERTS)	is under transit. To be charged by Sept'23.						
4	220kV Misa-Kopili	Switchyard Work completed. RIO inspection awaited.						
	line (NEEPCO)							
5	220/132kV ICTs at	Order for procuring SAS based panels has been placed						
	Kopili SS (NERTS)	and panel is under transit. WIP.						
6	132kV Khandong	Tender floated, evaluation underway. Complete						
	Bus A (NEEPCO)	restoration may take 1 years						
7	132kV Khleihriat							
	Ckt 1 bay and							
	Kopili 1 bay at							
	Khandong							
	(NEEPCO)							
8.	4X50 MW Kopili	expected recommissioning date -						
	Stage-I plant	unit 4- by end of July, 2023						
	(NEEPCO)	unit 3- by first week of August, 2023						
		unit 2- by end of Sept'23						
		unit 1- by end of Oct'23						

The sub-committee noted as above

B.9. Implementation/Review of Islanding Schemes of NER:

A. Implementation of Guwahati Islanding Scheme

As per Clause 10 of the Central Electricity Authority (Grid Standards), Regulations, 2010: "Islanding Schemes- (1) The Regional Power Committees shall prepare Islanding schemes for separation of systems with a view to save healthy system from total

collapse in case of grid disturbance. (2) The Entities shall ensure proper implementation of the Islanding Schemes"

Pursuant to the above regulation, NERPC through an empowered committee, has finalized the Guwahati Islanding scheme and prepared the DPR. The DPR was presented in 23rd NERPC/TCC meeting to get approval for funding through PSDF. In 196th OCCM, Member Secretary NERPC updated that the finalized DPR was discussed in 23rd NERPC meeting and issue of high cost was flagged. So, re-estimation of project cost will be done at the earliest.

In the 198thOCCM, AEGCL was requested to re-examine the cost estimates in the DPR and intimate the subcommittee.

In the 199th OCCM, AEGCL updated that the substations identified under the Guwahati islanding scheme are mostly devoid of OPGW connectivity with the SLDC and thus OPGW requirement is high. However, other OPGW suppliers are being consulted to reduce the cost implication.

After detailed deliberation, the forum decided that the empowered committee on islanding scheme will reassemble and explore the option of using existing fiber optic links, wherever present (on bandwidth sharing basis) and mull over the ways to reduce total cost of the islanding scheme. The report of the committee will be regularly discussed in the NETeST meetings.

In the 200th OCCM, Director, NERPC stated that in the 24th NETeST meeting, Assam has informed that there are no OPGW links on existing lines covered under the proposed Guwahati Islanding Scheme.

It was suggested in the meeting that AEGCL may apply for PSDF funding under Reliable communication scheme state sector for installing OPGW and include these lines which are covered in the proposed Islanding scheme.

In 201st OCCM, Director, NERPC apprised the forum that an online meeting was organized to discuss the ways and means to reduce the cost of the proposed scheme. To further resolve the issues, an offline meeting will be organized with the concerned stakeholders soon.

In 202nd OCCM, MS, NERPC informed that physical meeting for Implementation of Guwahati Islanding Scheme will be conducted in the 2nd week of June 2023.

In 203rd OCCM, AEGCL updated that consultation with different vendors is going on for revising cost estimates. Member Secretary NERPC stated that a physical meeting, comprising of all stakeholders, will be held soon by NERPC.

B. <u>Review of Tripura Islanding Scheme-</u>

<u>ISLAND AT 48.80 Hz</u>: Island comprising of generating units of AGTPP (Gas), generating units at Baramura (Gas), Rokhia (Gas) & Gumati (Hydro) and loads of Tripura system & Dullavcherra area (Assam).

[Total Generation: 300MW and load: 163MW (off-peak)-240MW (peak)]

C. Upper Assam Island scheme

ISLAND AT 48.70 Hz: Island comprising of generating units of AGBPP (Gas), NTPS (Gas) & LTPS (Gas) and loads of Upper Assam system & Deomali area (Ar. Pradesh) [Total Generation: 380-420MW and load: 280MW (off peak)-357MW (peak)]

Deliberation of the sub-committee.

A. Implementation of Guwahati Islanding Scheme: NERLDC requested AEGCL to send the complete details related to the feeders identified for island formation of the Guwahati Islanding Scheme. A special meeting to be convened on 31st July in this regard.

MS, NERPC requested AEGCL and NERLDC to finalize the scheme and prepare DPR, with revised quotations from the vendor, within 30 days.

B. Review of Tripura Islanding Scheme: DGM, SLDC, TSECL, stated that the scheme is under review as peak load has increased to more than 300MW and off-peak load has increased to more than 200MW. He further stated that some additional UFRs are to be installed and the process is underway.

MS, NERPC requested TSECL to finalize the DPR, in consultation with NERLDC, within one month.

C. Upper Assam Island scheme: Sr. GM, NERLDC stated that since new elements have come up in the area, so the scheme needs to be reviewed.

MS NERPC stated that a separate meeting will be held comprising all the stakeholders to review and modify the islanding scheme.

The sub-committee noted as above

B.10. Furnishing details of upgraded UFR settings along with list of feeders and quantum of load:

Status as updated in 203rd OCCM-

Name of the state/utility	Submission of revised UFR list	Installation of UFRs and Implementation of revised settings	Status of mapping
		Stg-1 (49.4Hz) implementation in	Coordination with M/S
Ar. Pradesh	Submitted	new feeders. UFRs have been	GE is ongoing. Shifting
		procured and the same have	works underway.
		reached the site. Installation to be	Mapping to be done after
		completed by June'23	the work
		Installation Completed.	
Assam	Submitted		Done. NERLDC intimated
			that 132 kV Azara – Mirza
			line has been mapped in
			UFR SCADA display by
			Assam in place of 33kV
			Mirza feeder at Azara
			sub-station.
		No extra shedding required only	
		Stage upward revision to be done.	
Manipur	Not	ADMS and UFR feeder	To be done
	submitted	segregation to be done for Stage-I	
		by next OCCM	
		17 out of 17 feeders completed.	
Meghalaya	Submitted	Forum requested to share the	Done.
		points with RLDC SCADA	

			SCADA display has been
			made at SLDC but real
			time data is not reporting
			as no communication
Mizoram	submitted	Completed	link is available for most
			of the substations where
			UFRs are installed. The
			SCADA display is to be
			shared with NERLDC.
Nagaland	Submitted	Completed, delay removed	Completed
		Stage-1(49.4Hz), Stage-2	Mapping by May'23 for P
		(49.2Hz), Stage-3(49Hz) require	K Bari and Ambassa. For
Tripura	Submitted	installation of UFR. Stg I UFR	Badarghat(33kV SS),
		installed but physical verification	mapping not possible as
		is yet to be done.	no RTU available

In previous OCC meetings, SLDC Mizoram intimated that visibility of most of the UFR enabled feeders is not available in SLDC SCADA as no RTUs are available at 33kV substations. The forum requested Mizoram to ensure the visibility of UFR enabled feeders connected at 132kV substations, which have RTUs and communication link, in the SCADA at SDLC. Mizoram agreed.

NERPC requested all the state utilities to send monthly UFR reports to NERPC and NERLDC in compliance with IEGC regulations.

Member Secretary NERPC exhorted the States to avail PSDF funding for establishing communication links for 66kV and above substations.

In 202nd OCCM, NERPC suggested that in line with regulation 5.2.n of the IEGC 2010, inspection of UFR of the states should be carried out at the earliest in order to ensure functionality of the same. Further, he suggested that UFR inspection may be clubbed with Protection Audits to save time. The forum agreed to the suggestion.

Further, NERLDC mentioned that Assam, Nagaland and Meghalaya are providing UFR report on monthly basis. Rest of the states are required to submit as per IEGC. The

forum suggested that all SLDCs must send monthly and event basis UFR operation reports to NERLDC and NERPC.

The forum also requested Assam and Meghalaya to correct the UFR SCADA display issues at the earliest.

<u>As per 203rd OCCM,</u>

Regarding installation and functioning of UFRs

i)NERLDC asked Manipur to segregate the feeders identified under ADMS and UFR.ii)The forum exhorted DoP Arunachal Pradesh to install UFR stg 1 at the earliest.

iii) Tripura assured that they shall provide the UFR installation details to NERLDC/NERPC. SCADA mapping shall be completed in 1-2 months.

iv) NERPC requested NERLDC to make priority wise schedule of UFR Audit in NER.

Regarding Mapping

i) AEGCL updated that mapping of 33kV Mirza feeder at Azara will be done within one week.

ii) NERLDC intimated that mapping issues related to stg I UFR have been completely rectified.

Member Secretary, NERPC, reiterated that all SLDCs must send monthly as well as event basis UFR operation reports to NERLDC and NERPC.

In light of the event occurred on 15th May at 11:52 hrs, the forum requested SLDCs to monitor loading on the UFR feeders and in case of large difference observed between average loading on the line and quantum that was planned for UFR scheme provide a report to NERPC and NERLDC.

Apart from it, NERPC requested SLDCs to calculate the expected vs actual UFR load shedding data during the low frequency event and same comparison data should be provided to NERPC and NERLDC after each event.

Deliberation of the sub-committee.

Regarding installation and functioning of UFRs

i) Manipur updated that proposal for ADMS and UFR feeder segregation at Mongshangei substation has been put up for approval of higher authorities. The segregation will be completed by next OCCM.

ii) AEGCL intimated that under UFR stage II, UFRs are installed in 132kV Rupai and 132kV Margharita feeders at Tinsukia substations. But, with the commissioning of 132kV Roing-Chapakhowa D/C line, no desired load shedding will be observed, for the region as a whole, as Rupai and Margharita will remain connected to the Arunachal grid through the Roing -Chapakhowa line. Hence, AEGCL proposed that the UFRs may be placed on LV side of 132/33kV ICTs at Tinsukia, Rupai and Margharita substations. The forum agreed to the suggestion and requested AEGCL to explore the option.

iii) DoP, Arunachal Pradesh stated that stg I UFR has been installed at respective substations and are functional. NERPC requested DoP Arunachal Pradesh to furnish a report on its operation on low frequency incident on 15.05.2023.

iv) Tripura updated that UFR stg I are operational but the same did not operate on 15.05.2023 owing to time delay in the logic. The time delay has now been removed.

v) MS, NERPC stated that a UFR audit calendar will be prepared by NERPC soon and will audit the UFRs in the states according to the calendar.

Regarding Mapping

i) AEGCL updated that mapping of 33kV Mirza feeder at Azara has been done.

ii) TSECL stated that mapping for Dhalabil, Kumarghat, Udaipur, Ambassa substations will be completed by August 2023.

iii) Mizoram reiterated that mapping of feeders connected at 33kV substations is not possible as there is no RTUs available at such substations. The forum requested Mizoram to shift the UFR feeders to 132kV substations so that visibility may be ensured. Mizoram agreed to explore the option.

The sub-committee noted as above

B.11. 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 Clauseno.5.2(g) of Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010.

Schedule as agreed in the 203rd OCC meeting:

	Q ()	No. of	Suggested	Schedule	Duration (days)
Region	Station	Generators	Test Start	Test End	
NER	OTPCL- Palatana	2 (by M/s Solvina)	Nov'22	Nov'22	24 th July
NER	Doyang- NEEPCO2 (by M/s Siemens)		Oct'22	Oct'22	4(water level (315.7 - 321) to be sufficient enough to run the units at full capacity)

i) Regarding PFR testing at Palatana, OTPC intimated that the additional software logic block has been incorporated in Unit I in the machine controller and PFR testing will be conducted for both units in July'23 after completion of Unit-2 logic incorporation.ii) Regarding PFR testing at Doyang HEP, GM, NEEPCO intimated that the testing will be done after sufficient water level is available.

Deliberation of the sub-committee.

i) Regarding PFR testing at Palatana, OTPC intimated that the additional software logic block has been incorporated in both the units and the PFR testing is scheduled to be conducted from 24th July to 27th July 2023.

ii) Regarding PFR testing at Doyang HEP, DGM, NEEPCO intimated that water level in the reservoir is not yet sufficient to conduct the test. NERLDC highlighted that for PFR testing, machines should be able to run above 90 percent of the rated capacity.

After detailed deliberation, the forum suggested to conduct PFR testing on at least one unit by reducing the generation from other units so that one unit may run at full capacity.

NEEPCO agreed to the suggestion and informed that the test may be scheduled in the 1st week of August, 2023.

The sub-committee noted as above

B.12. Regular Furnishing of Patrolling Report for all Important lines

There is a requirement of regular and proper maintenance of transmission lines. It is requested to carry out the patrolling activities as per ClNo.23(2), (3) & (4) of CEA Grid Standards Regulation,2010on 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 202nd

OCCM, NERLDC informed that most of the States are regularly submitting the Patrolling report. However, few States like Arunachal Pradesh, Manipur and Mizoram are still not following the same. MS, NERPC strongly advised all SLDCs to seriously take-up the matter of regular line patrolling with their respective state utilities and submit the patrolling reports to NERLDC/NERPC on regular basis.

In 203rd OCCM, Member Secretary exhorted all state utilities to undertake regular patrolling of the lines as per existing guidelines and furnish the report to NERPC/NERLDC on monthly basis.

In light of frequent tripping of the 132kV Dimapur-Kohima line, the forum requested DoP Nagaland to carryout intense patrolling of the line and rectify the root cause so that the line can be stabilized. DoP, Nagaland informed that vegetation clearance has been undertaken and shutdown has been planned to carry out Insulator replacement works.

Deliberation of the sub-committee

NERLDC stated that some States are not submitting the patrolling reports timely. After brief deliberation, the forum decided that that all SLDCs must submit the reports by 10th of every month.

The sub-committee noted as above

PARTICULARS	Apr-23	Apr-23	May-23	May-23	June-23	June-23
(Peak Demand in MW as	(LGBR)	(Actual)	(LGBR)	(Actual)	(LGBR)	(Actual)
per LGBR vs Actual)						
Arunachal Pradesh	153.93	154.980	153.24	165.000	164.32	155.000
Assam	1885.80	2013.100	2210.38	2219.000	2204.20	2307.000
Manipur	208.06	212.700	208.82	193.000	209.04	185.000
Meghalaya	366.18	335.859	353.29	353.000	352.26	333.000
Mizoram	122.72	126.870	121.68	122.000	121.54	125.000
Nagaland	147.66	150.100	153.70	150.000	157.50	167.000
Tripura						
(exc. Bangladesh)	322.32	337.500	315.12	345.000	318.24	362.000
NER DEMAND		3332	3271.14	3477		3560
(exc. Bangladesh)	3073.35				3292.76	

B.13. Monthly Review of LGBR

PARTICULARS	Apr-23	Apr-23	May-23	May-23	June-23	June-23
(Energy Requirement in	(LGBR)	(Actual)	(LGBR)	(Actual)	(LGBR)	(Actual)
MU as per LGBR vs Actual)						

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Arunachal Pradesh	71.30	74.28	79.10	77.13	82.40	82.68
Assam	813.63	913.960	1007.00	1028.950	1021.72	1140.970
Manipur	77.94	75.32	76.99	71.42	79.56	66.38
Meghalaya	175.14	192.69	178.75	194.55	169.95	177.68
Mizoram	53.42	49.06	55.90	50.97	53.87	44.4
Nagaland	70.83	65.83	77.28	75.45	83.43	81.52
Tripura (excl. Bangladesh)	151.41	149.91	147.37	163.74	139.36	150.13
NER DEMAND		1521.775		1662.77		1744.375
(exc. Bangladesh)	1413.67		1622.39		1630.29	

Deliberation of the sub-committee

The sub-committee noted the LGBR projected demand vis-à-vis actual demand as above.

NERLDC stated that the timeline of inter-regional TTC/ATC declaration by RLDCs will be changed from 3-months basis to 11-months rolling basis as per the new IEGC 2023. NERLDC therefore requested NERPC to prepare the LGBR on 12 months rolling basis so that accurate base case may be prepared for TTC/ATC calculation.

NERPC stated that provision related to the LGBR in IEGC 2023 will be followed for preparation of the LGBR.

The sub-committee noted as above

B.14. Status of implementation of SPS in Assam Power System:

As per the minutes of Sub-group meeting held on 27.09.22, SPS for load reduction in capital area of Assam power system on tripping of 220 kV Azara-Sarusajai D/C or 220 kV Misa-Samaguri D/C was recommended for safe and reliable operation with the following tripping conditions:

Triggering condition 1: Tripping of 220kV Azara – Sarusajai D/C SPS action: Tripping of 132kV Kahilipara – Kamalpur and 132 kV Sarusajai – Kamakhya lines. For tripping of 132 kV Kahilipara – Kamalpur line, OPGW connectivity between Sarusujai and Kahilipara will be used to send the tripping signal for tripping Kamalpur feeder at Kahilipara.

Triggering condition 2: Tripping of 220kV Misa - Samaguri D/C SPS action: Tripping of 132kV Samaguri-Sankardevnagar Line.

AEGCL may update on the latest status regarding implementation status of the proposed SPS.

In 203rd OCCM, Regarding Triggering condition 1 (Tripping of 220kV Azara-Sarusajai DC or any one ckt), AEGCL updated that SPS has been implemented for the case of outage of one circuit, and for the case of outage of D/C, SPS will be implemented in two weeks' time.

Regarding Triggering condition 2 (Tripping of 220kV Misa Samaguri D/C), AEGCL updated that the matter of freeing up of code 3 or code 4 has been discussed with PLCC team and the team is facing some issues. The forum requested AEGCL to plan a visit of PLCC engineers, in coordination with NERTS, to the Samaguri S/S and resolve the matter at the earliest.

Deliberation of the sub-committee

i) Triggering condition 1 (Tripping of 220kV Azara-Sarusajai DC or any one ckt): AEGCL updated that SPS has been implemented for both the cases, viz; outage of one circuit and outage of D/C. However, NERLDC pointed out that the designated load shedding under the implemented scheme is only 100MW but the requirement is 160MW. The forum requested AEGCL to implement additional load shedding of 60MW in the SPS.

ii) Triggering condition 2 (Tripping of 220kV Misa-Samaguri D/C): DGM, NERTS updated that the code has been freed at Samaguri end. AEGCL informed that final connection will be established after testing and added that the whole work would be completed within 15 days.

Sub-committee noted as above

B.15. RPCs are requested to consider following agenda in the OCC/RPC meeting(s)to popularize and explain the PUShP portal to the constituents/stakeholders.

PUShP portal (For Flexibilization of PPA for Optimal Utilization of Resources and Reduction in cost of Power for Consumers) has been launched on 09thMarch, 2023by Hon'ble Minister of Power and NRE.

The Portal would be a single window system providing services to diverse domains of all the entities involved and to reallocate and transfer the power in minimum time from one surplus entity to deficit entity. In recent past years, difficulties are observed in meeting the demand and some states do resort to power cuts, especially during April, May, September and October months the crisis is observed while other states have surplus power capacity. The States which have surplus power continue to bear the fixed charge burden without using it which leads to high cost of power to the consumers. Regional diversity makes some states surplus. Like Peak in Northern region is during summer whereas Peak in Southern region is during winter. Similarly, there is diversity in the time at which the peak occurs in the States. Such regional diversity in the load demand was not able to address even though the generation capacity is available in the country. The reasons behind were many like one-to-one Power Purchase Agreements, some procedural constraints, non-availability of easy match making arrangements etc.

This portal will provide a platform for optimal utilization of generating capacity and will resolve the above issues. The scheme will not disturb the existing arrangements rather an additional avenue shall be provided to stakeholders for optimal use of generating capacity. The scheme envisages paperless working for temporary allocation/transfer of power from surplus (Seller) entity to deficit (buyer) entity. The benefits of the portal also include Flexibilization of Power Purchase Agreement, Availability of power to DISCOMs, reduction in power cuts, reduction in fixed charge burden on the states having surplus power, Allocation /Transfer of Power at regulated tariff in a minimum time.

Key Benefits of the scheme: -

i. Flexibilization of Power Purchase Agreement

ii. Optimal Utilization of Power due to regional diversity and their increased availability.iii. Availability of power to DISCOMs improves and reduction in power cuts.

iv. Meet the power demand of the country especially during the crisis situation in the month of April, May, September and October.

v. Reduction in fixed charge burden on the states having surplus power.

vi. Allocation /Transfer of Power at regulated tariff.

vii. Reallocation of power in minimum time with automated process.

viii. The scheme envisages a paperless working.

ix. None of the existing arrangements shall be disturbed, rather an additional avenue has been provided.

x. The portal envisages temporary allocation/transfer of power; subjected to willingness of seller and Buyer, confirmation of transmission corridor by concerned agencies and confirmation of payment security on portal by the new Buyer/Gencos before scheduling of such power.

In 200th OCCM, Member Secretary, NERPC briefly explained the benefit of the Scheme and requested all concerned constituents to participate and fully utilize the portal. He also informed that further training or workshop can be organized (if necessary) in the coming days.

In 201st OCCM, Member Secretary NERPC exhorted the utilities to actively participate on the PUShP portal and avail the benefits provided by it. Also, the forum decided that any utility surrendering power on this platform should inform all other utilities in NE region about the same to help ensuring early requisition of the surrendered power.

In 203rd OCCM, the forum noted that Assam and Mizoram are participating on the PUSHP portal. Other states were urged to follow the same. State utilities requested NERPC to request NPC to organize an online workshop on the portal for further familiarization and clarification. Member Secretary NERPC agreed.

Deliberation of the sub-committee

After detailed discussion, MS NERPC exhorted the state Discoms to participate in the OCC meetings so that their awareness regarding the portal may be enhanced. He further requested all the concerned constituents to participate and make the best use of the portal.

The sub-committee noted as above

B.16. Annual Maintenance Contract for ADMS:

The "Go Live" dates in ADMS implementation for NER states is as below:

Sl.No.	Name of SLDC	System "Go Live"
1	Meghalaya SLDC	04.09.2020
2	Manipur SLDC	24.11.2020
3	Nagaland SLDC	01.12.2020
4	Arunachal Pradesh SLDC	01.02.2021
5	Mizoram SLDC	01.03.2021
6	Assam SLDC	10.03.2021
7	Tripura SLDC	16.03.2021

It may be mentioned that ADMS scheme is having a three (3) year Warranty Period following which, there is a provision for an Annual Maintenance Contract after the Warranty Period. Given the regulatory mandate for compliance of ADMS and the benefits of its continued operation, it becomes imperative for a collective Annual Maintenance Contract which among other things would bring about a reduction in the financial involvement vis-à-vis higher rates with separate / individual AMCs. Since the timelines mentioned are spread over a few months only, the SLDCs may deliberate on a collective Annual Maintenance Contract which can be approved (with same terms and conditions immediately on expiry of individual Warranty Periods) given the collective reduced charges and lack of expertise in maintaining the system.

In 200th OCCM, Director, NERPC informed that considering the regulatory mandate for compliance of ADMS and the benefits of its continued operation, all the State Utilities have agreed to have a combined AMC for ADMS during the 24thNETeST meeting for cost effectiveness vis-à-vis individual AMC. Member Secretary NERPC stated that AMC of the ADMS, after the warranty period, may not be covered under PSDF funding and States have to pay for the same. The State Utilities requested NERPC to take up with original vendor M/s Orbit Techsol India Private Limited regarding the matter.

In 201st OCCM, all the States requested NERPC to initiate tendering for combined AMC of ADMS for all the states. Director, NERPC suggested that a tendering committee may be formed that will look into tendering and related work of the AMC. The forum agreed

and decided that members would be nominated from all States, NERLDC & NERPC and coopted members if necessary.

In 203rd OCCM, the forum noted that nomination details have been received from Assam, Mizoram and Meghalaya only. After detailed discussion the forum strongly urged remaining states and NERLDC to send nomination details at the earliest.

Deliberation of the sub-committee

Director, NERPC intimated that the nominations have not yet been received from few States and strongly urged remaining States and NERLDC to send nomination details at the earliest. Further, he stated that an online meeting will be organized soon comprising of all the nodal officers to proceed on the matter of Procurement of AMC of ADMS.

The sub-committee noted as above

B.17. Declaration of the following lines of Meghalaya as Deemed ISTS lines:

- 1. 220 KV Killing-Misa D/C line.
- 2. 132 KV Mendipathar-Agia S/C line
- 3. 132 KV Nangalbibra-Agia S/C line
- 4. 132 KV Khliehriat-Khliehriat (PG) line 2

It may be mentioned that 132 KV Umtru-Sarusajai D/C line, 132 KV Umtru-Kahilipara D/C line and 132 KV Lumshnong-Panchgram S/C line had earlier been declared as Deemed ISTS lines. The forum may please deliberate on inclusion of the above lines listed as Sl.no.1 to 4.

In 201stOCCM, MePTCL apprised the forum that the 220kV Killing-Misa D/C line and LILO of400 KV D/C Palatana-Bongaigaon at 400/220 KV Killing S/S as ISTS lines have already been approved as Deemed ISTS line in the 17thTCC/RPCmeeting. Member Secretary, NERPC stated that if deemed ISTS line is approved in RPC meeting based on study, State may file petition to Hon'ble CERC citing the relevant portion of the Minutes of the meeting.

Director, NERPC highlighted that after the sharing regulation of 2020, deemed ISTS certification by NERPC has been discontinued and the utility may directly approach

implementing agency and CERC for inclusion under PoC tariff. However, for truing up of lines for 2014-19 tariff block, NERPC can consider for according certification as per the relevant regulations, pertaining to the said period. For certification, NERLDC was requested to ascertain the power flow pattern on the line for the relevant period in consultation with NLDC.

Member Secretary, NERPC asked MePTCL to approach the Implementing Agency i.e. NLDC to establish the power flow pattern on the lines in respect of tariff period covered under Sharing Regulations 2020.

In 202nd OCCM, MePTCL intimated that NERLDC has been requested to establish the power flow pattern on the 132kV Nagalabibra-Agia line for the period 2014-19, so that the ISTS status of the line can be verified and presented to Honorable CERC and truing up for the 2014-19 tariff block can be done.

Sr. GM NERLDC stated that the software tool, used for conducting such study, is possessed by NLDC and the study will be conducted in consultation with the same. He further sought clarification from the NERPC about the time frame for which the data on power flow should be submitted. He stated that the quarterly data is available with NERLDC. Forum suggested that study may be based on the data availability with NERLDC i.e. quarterly basis. The quarterly data for utilization of the lines should be averaged out for the whole year and finally year wise data for the five years (2014-19) can to be submitted.

In 203rd OCCM, NERLDC intimated that the study to ascertain power flow on the 132kV Nagalabibra-Agia line for the period 2014-19 is underway. The forum requested NETC to approach CERC for further clarification on the matter.

Deliberation of the sub-committee

NETC updated that petition is being prepared and they will soon be filing the petition to CERC in about a month' time.

The sub-committee noted as above

B.18. Regarding implementation of Green Energy Open Access Rules, 2022

As you might be aware that Green Energy Open Access Rules have been notified by the Ministry of Power (MOP) on 6th June 2022.Subsequently, Grid-India has developed

the Green Open Access Registry (GOAR) portal on the Green Energy Open Access Rules, 2022 and the amendment thereof.

Hon'ble Minister of Power has taken a review meeting on 12.05.2023 with present and prospective Green Energy Open Access users to understand the various difficulties associated with green energy open access. Various regulatory aspects are also being monitored in connection with this rule at the highest level. In this regard, the RCM Division, MOP has sought periodic reports regarding the implementation of Green Energy Open Access Rules.

Therefore, All SLDCs are requested to kindly

- 1. Nominate one nodal person for co-ordination purpose.
- 2. Share the periodic details as per Annexure-1&Annexure-2:

<u>Timeline for data submission as per Annexure-2 is as follows</u>: The weekly period will be from Monday to Sunday (say 1 to 7th) SLDCs to provide the data by next Monday (say 8th) RLDCs to provide consolidated data to NLDC by Tuesday first half (say 9th) NLDC will provide the data by Tuesday EOD to Ministry of Power (say 9th)

E-mail communication in this regard has already been sent to all SLDCs on 16th May and 17Th May,2023

1	Whether SERC has issued Regulations for Green Energy?	Yes/No
	Whether OA Regulations amended to provide GEOA to	
2	consumers above 100 kW	Yes/ No/ NA
3	No. of registered users	
4	No. of Green Open Access Applications received in a month	
5	No. of applications approved (to be applied within 15 days) in a month	
6	Quantum of transactions in a month	
7	Green Tariff- Component-wise cost where available	

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Annexure-2

or the period : State Name	Banking Period	Banking Charges	Banking settlement period	Treatment of unutilized energy	Quantum of Energy Banked by
				by RE generator	DISCOM on weekly basis (Mus)

As per 202nd OCCM, the forum requested all state SLDCs to provide details of Nodal officers to NERLDC and also provide the required data in the formats as provided. However, as per NERLDC, Nodal officers' details as well as the said data yet to be

received from all state SLDCs.

In 203rd OCCM the forum strongly asked all state SLDCs to provide details of Nodal officers to NERLDC within one week and also provide the required data in the formats as provided. Further the forum requested NERLDC to conduct a workshop with state SLDCs to explain the format and data which are required under Green Energy Open Access Rules, 2022.

Deliberation of the sub-committee

NERLDC intimated that nomination of nodal officers have not yet been received from Arunachal Pradesh, Tripura and Manipur. He requested these states to send the nomination of officer, preferably from SLDC, to NERLDC at the earliest.

Further, NERLDC stated that the workshop will be organized by the end of this month.

C. NEW AGENDA ITEMS

Agenda from NERPC/CEA

C.1 PSS Tuning

As per the Regulation Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007, the AVR of generator of 100MW and above shall include Power system Stabilizer.

In line with regulation, details related to PSS of following generating stations are required.

S1.	Generator	PSS tuning status	
No			
1.	Kameng (150x4)		
2.	Ranganadi (135x3)		
3.	Palatana (232x2 + 131x2)		
4.	BgTPP (275 x3)		

Deliberation of the sub-committee

Tuning status as updated by concerned utilities-

S1.	Generator	PSS tuning status	
No		Previous tuning	Next tuning
1.	Kameng (150x4)	At the time of commissioning 09/02/2021	Tuning of all four units in the upcoming lean season
2.	Ranganadi (135x3)	31Jan'2018	By Nov'23, for all units
3.	Palatana (232x2 + 131x2)	Nov'22	-
4.	BgTPP (275 x3)	Unit1- Dec22 Unit 2- Jan 22 Unit 3 March 23	-

NERPC highlighted that as per regulation 29(8) in operating code of the IEGC 2023, 'Power System Stabilizers (PSSs), AVRs of generating units and reactive power controllers shall be properly tuned by the generating station as per the plan and the procedure prepared by the concerned RPC'. MS, NERPC suggested the following guidelines-

- i. The AVR of generating units of 20MW and above should also include PSS
- ii. As a general principle, PSS tuning exercise should preferably be carried out along with the overhauling of machines.
- iii. RPC and RLDC will visit the station for checking the PSS tuning.

The forum agreed to the above guidelines.

The sub-committee noted as above

C.2 Electricity Generation Program for the year 2024-25

While monitoring the generation performance during the current financial year, it has been observed that power utilities are facing the problem of loss of generation due to no / low schedules and losses accounted on other technical and commercial reason. Accordingly, it is requested to pursue with all generating utilities of the Region in your OCC meeting so that the following inputs may kindly be submitted to this office as per the enclosed annexure:

- i) Unit-wise yearly generation (with unit-wise monthly breakup) proposed during 2024-25 along with the fuel availability, the anticipated loss of generation on account of various factors such as grid constraint, low schedule/ Reserve shut down due to high cost, coal/lignite quality etc., if any (Annex- I (point no. 1 to 5)).
- Details of Power Purchase Agreement (PPA) with various Discoms, Trader, States etc, (details may be furnished in MW capacity tied up with each party) for Long, Medium and short term and expected generation for next year (Annex —I (point no 6)).
 - iii) The details of coal linkage from coal agencies and availability of secondary fuel oil/gas/ liquid fuel (Annex- I (point no 7 (a) and (b)).
 - iv) Unit wise cost of generation and rate of sale of power (Annex I (point 8)).
 - v) Details of unit-wise schedule of planned Maintenance as approved by the

respective RPCs (Regional Power Committees), and unit-wise R&M planned to be carried out during 2024-25. The same may also be appropriately considered while furnishing expected generation (**Annex- IIA**).

 vi) In addition to above, it is also requested for furnishing details of unit-wise schedule of planned and actual Maintenance during the remaining period of 2023-24 (Annex- IIB).

In this regard, it is requested to furnish above mentioned details along with unit wise outage schedule of generating stations of your region for 2024-25 (as approved by Regional Power Committee in excel file format prescribed in **Annex-III**) and month wise, state wise energy requirement for 2024 25 to this division by 31st August, 2023.

Deliberation of the sub-committee

After detailed discussion, MS, NERPC requested all the States/Generating utilities to provide the required data in proper format at the earliest.

Agenda from KMTL

C.3 Regional ERS

It is requested to please consider the proposal to have an exclusive Regional Emergency Restoration System (ERS) for North Eastern Region due to the fact that many areas in the geography are under very vulnerable environment and as seen from past since many years about the recurring flood situation every year in the NE region and thereby causing extensive damage to many important Transmission asset and thereby affecting the power flow.

Please find enclosed herewith the ERS guidelines (**annexure-C.3**) and 192nd OCC Meeting minutes where it was agreed amongst the participating members on the necessity of the same and is reiterated once again to connect the dot for your reference. Also, we would like to highlight on the cost of purchasing of New ERS which is very high and many of utilities do not have budget for the same, therefore it is very difficult to purchase it independently. We recommend that the same can be procured under PSDF fund as per ERS guidelines. (Attached) We as a Kohima Mariani Transmission Limited are happy to be offer and act as custodian of regional ERS. We have sufficient space for storage, in case if you agree and we may store the regional ERS at the following location.

Kohima Mariani Transmission Limited,

400/220 KV, GIS Substation, New Kohima, Zhadima. Nagaland.

We are happy to help for preparing the draft report for purchasing of Regional ERS for North Eastern Region.

Request you to please consider the proposal for keeping the Regional ERS in North Eastern Region, which will help many utilities in NE for early restoring of the Transmission Asset.

Deliberation of the sub-committee

MS, NERPC suggested that all the NER States should procure ERS system individually by availing the PSDF funding and requested them to prepare the DPR and submit to NERPC.

Views of KMTL could not be taken due to their absence in the meeting.

The sub-committee noted as above

Agenda from DoP Arunachal Pradesh

C.4 Fulfilment of N-1 condition and ability of Tinsukia to Chapakhowa transmission system to transfer peak demand to Arunachal Pradesh.

In the recent shutdown of Panyor HEP to Ziro 132 KV line on 4th July 2023, Assam had agreed to support only up to 18 MW via Chapakhowa-Roing 132 KV line stating line constraints at that moment. The shutdown was delayed by about 1 and half hours due lack of coordination for FTC of Chapakhowa- Roing line by stakeholders. Actual shutdown took place only at 0952 Hrs. Chapakhowa-Roing was charged at 10:04 Hrs. But Arunachal Pradesh was informed to draw only 14MW against 18 MW promised in the emergency meeting called by NERPC at 15:00 Hrs of 3rd July 2023. Consent of AP was subject to fulfilment of the conditions at the real time.

Due to delay in FTC in the Morning, POWERGRID could not return the shutdown in time. AP continued to draw power from the Chapakhowa side. At 18:32 Hrs. The line tripped reportedly due to jumper burn out in between Tinsukia-Margherita causing

widespread black out for long hours in AP and Assam as well. At the time of tripping AP was drawing around 11MW and very much within the limit.

On 6th July, the second day of shutdown sought by the POWERGRID, Tinsukia-Rupai 132KV line was back in service. Despite that, AP was informed by NERLDC and NERPC that combined drawl of power from the entire transmission system between Tinsukia to Chapakhowa was restricted to 65 MW. That was the same capacity of transmission on 4th July when there was an N-1 condition with Tinsukia-Rupai down. AP seriously protested and withdrew the consent for Shutdown. Subsequently, another meeting was convened on 6th July 2023 at 17:30 Hrs. by the NERPC. It was decided to support 18MW and 30 MW in non-peak and peak hours respectively by Assam.

This is the situation where AP is being denied drastically the transmission capacity of 132KV DC Chapakhowa-Roing Transmission line and depriving the entire central and eastern Arunachal Pradesh when N-1 condition arises in Arunachal Pradesh grid. Long felt Chapkhowa-Roing connectivity, Arunachal Pradesh had been fighting tooth and nail turns out to be serving no appreciable purpose in the present circumstances, because of the grid elements that exist between Tinsukia and Chapakhowa in Assam. There seems to be drastically wrong system study.

Matter is hence placed before the Forum to discuss and find:

- 1. An immediate solution to mitigate the constraints.
- 2. Immediate system study to enable transfer of total demand of Arunachal Pradesh via Tinsukia- Chapakhowa transmission system even in N-1 condition within that system in Assam for permanent solution

Deliberation of the sub-committee

The matter was discussed in detail and the following were suggested:

i) Assam may consider HTLS reconductoring of Tinsukia-Ledo, Tinsukia-Rupai or any other associated lines in the area.

ii) Planning for new lines, for instance Tinsukia-Chapakhowa, may also be explored.

iii) As an immediate measure, devising an SPS to disconnect loads of Assam or Arunachal Pradesh on tripping of critical lines, may be considered. The forum requested NERLDC to conduct elaborate system studies in order to suggest temporary as well as permanent solution considering all the situation. Based on report of the NERLDC studies, the same will be referred to CMETS for approval.

The sub-committee noted as above

C.5 Stringing of second circuit Niglok -Pasighat-Roing-Tezu-Namsai 132 kV transmission line of POWERGRID and Pashighat new/Napit-Niglok 132kV TL under execution by comprehensive (POWERGRID).

The existing Pasighat-Roing-Tezu-Namsai 132 kV line is an ISTS transmission system being owned and operated by POWERGRID. The line is presently a Single Circuit on Double Circuit towers.

Roing is being connected with Chapakhowa with Double Circuit 132 kV line, thereby enhancing capacity availability at Roing end. The 132 kV line segment of Pasighat (Dura)-Napit (Pasighat) is being laid at Double Circuit configuration under Comprehensive Scheme to meet the industrial power demand at Niglok industrial area. However, the intermediate segments of Niglok-Pasighat New (Napit), Pashighat (Dura)-Roing and the other end of Roing-Tezu-Namsai remain at Single Circuit. Therefore, considering the rapidly increasing power demands at Niglok, Namsai and Pasighat areas, and to avail & utilize the enhanced capacity of the Double 132 kV line of Roing-Chapakhowa, it is imperative that the Second Circuit of Niglok-Pasighat New (Napit), Pashighat (Dura)-Roing-Tezu-Namsai transmission line be stringed and made operational at the earliest.

The matter was put up for discussion in 24th TCC/RPC meeting, in which NERLDC was advised to carry out the studies and was put up to sub-committee of NERPC/CMETS.

Deliberation of the sub-committee

After detailed discussion, the forum requested NERLDC to conduct related system studies and put up in next OCC and the outcome will be referred to CMETS. The forum requested DoP Arunachal Pradesh to provide the data on projection of load growth for 3-5 years of time frame to NERLDC and NERPC.

The sub-committee noted as above

Agenda from MSPCL

C.6 Stringing of new 132kV SC line on DC tower from Tamenglong to Karong along with associated bays

Over the years, power consumption in and around Tamenglong and Noney district (erstwhile Tamenglong district and bifurcated in 2016) has increased considerably. Power to the area is supplied from 33/11kV substations at Tousem, Tamenglong, Khoupum, Rengpang and Oinamlong which is fed from 1x12.5 MVA, 132/33 kV substation at Rengpang. Considering the vastness of the area, few 33/11 kV sub- stations are also being proposed. For a steady and regular power supply and to meet the ever-increasing demand, 132/33 kV substation at Tamenglong is being constructed under NERPSIP by PowerGrid Corporation. The construction of the substation is expected to be completed by July, 2023. However, in order to enhance the reliability of the power supply system in Tamenglong district and to help in completing the vision of MSPCL to form a ring structure of its 132kV substations, an alternate source of supply from 132/33kV Karong which is also connected to the NER Grid is proposed.

Considering the above facts and circumstances, the committee may kindly approve the stringing of new 132kV line from Tamenglong to Karong. The forum may kindly deliberate the request of MSPCL and approve the proposal for execution with possible funding from PSDF or other funding agencies, in the interest of NER Grid security and smooth supply management of Manipur. The matter was put up for discussion in 24th TCC/RPC meeting, in which it was referred to NERPC sub-committee.

Deliberation of the sub-committee

After detailed discussion, the forum requested NERLDC to conduct system studies on the requirement of the 132kV Karong-Tamenglong line as requested by Manipur. Manipur will furnish to NERLDC all related data including future load growth projection etc.

The sub-committee noted as above

C.7 Stringing of new 132kV SC line on DC tower from Karong to Hundung along with associated bays.

To supply and distribute the rapid increase in demand of power with the electrification of more and more villages in the state, a number of 132kV sub- stations were installed

all over the state. In the past few years, the power scenario of Manipur has developed significantly. However, to further improve the power scenario and meet the everincreasing power demand, MSPCL plans to form a ring structure of its 132kV substations.

132/33kV substations at Karong and Hundung are two existing substations of MSPCL. Hundung is being fed from 132/33kV substations at Yaingangpokpi and Karong is connected to the NER grid via the 132kV Imphal-Kohima line. To help in completing the vision of MSPCL to form a ring structure of its 132kV substations, stringing of new 132kV SC line on DC tower from Karong to Hundung along with associated bays is proposed.

Considering the above facts and circumstances, the committee may kindly approve the stringing of new 132kV line from Karong to Hundung.

The forum may kindly deliberate the request of MSPCL and approve the proposal for execution with possible funding from PSDF or other funding agencies, in the interest of NER Grid security and smooth supply management of Manipur.

The matter was put up for discussion in 24th TCC/RPC meeting, in which it was referred to NERPC sub-committee.

Deliberation of the sub-committee

After detailed discussion, the forum requested NERLDC to conduct system studies on the requirement of the 132kV Karong-Hundung line as requested by Manipur and put up in next OCC. Manipur will furnish to NERLDC all related data including future load growth projection etc.

The sub-committee noted as above

Agenda from NERLDC

C.8 Non operation of 132kV Transfer Bus at 220kV Agia S/S:

An emergency SD of 132 kV Mendipathar bay was requested by SLDC Assam on 05th July of 2023 from 18:00hrs to 20:00 hrs to attend DC failure in BCU panels at Agia S/S. However, as the transfer bus at Agia was inoperable (As per SLDC Assam) the whole line i.e. 132kV Agia - Mendipathar TL was taken to S/D (since the bay could not

be transferred through Bus coupler). However, the SD of the said line could have been avoided if the transfer Bus was maintained healthy/operable.

Hence APDCL is requested take necessary action to rectify and maintain the healthiness of Agia transfer Bus at the earliest. Also, may be confirmed if already rectified.

Deliberation of the sub-committee

AEGCL intimated that the transfer bus coupler and breakers are not operational. Also, the transfer bus itself is not yet ready. The whole work will be completed in 3 to 4 months' time.

The sub-committee noted as above

C.9 Ensuring Synchronization facility at Panyor (PHPS) S/S for 132kV Ranganadi – Ziro TL:

During returning of planned S/D of 132 kV Ranganadi-Ziro TL (on account of shifting the TL to ERS tower) on 08-07-2023, delay from Ranganadi end was noticed for E/S opening and isolator closing. The S/D was returned by NERTS at 19:08 Hrs but the power could be extended from Ziro S/S at 20:02 Hrs only (Line was not extended from Ranganadi end as there was generation availability of 401MW during that instance). However, the line could not be synchronized at PHPS as synchronization facility was not available with PHPS for 132kV Ranganadi – Ziro feeder. Later the Line was extended from Ranganadi S/S and finally synchronized at Ziro S/S at 20:23 hrs. With change in network configuration after commissioning 132kV Chapakhowa – Roing D/C TL, it becomes important for PHPS to have synchronizing facility for Ziro feeder also for safety and security of PHPS generating units.

Deliberation of the sub-committee

NEEPCO updated that order for procurement of synchronizing facility has been placed to M/s GE and the same will be delivered by Nov/Dec'23

The sub-committee noted as above

C.10 Outage of several 132 kV intra-state lines in Manipur Power System

The following intra-state lines in Manipur Power System are still under long outage:

 1. 132 kV Ningthoukhong-Churachandpur-2 Line since 11:02 hrs of 15th June 2023

- 132 kV Churachandpur-Kakching S/C Line since 12:21 hrs of 8th June 2023 on tower collapse
- 132 kV Churachandpur-Elangkangpokpi S/C Line since 12:21 hrs of 8th June 2023 on tower collapse

Grid Disturbance had occurred on 8th June'23 in Churachandpur area due to tripping of 132 kV Churachandpur- Kakching S/C and 132 kV Churachandpur-Elangkangpokpi S/C lines on account of unavailability of 132 kV Ningthoukhong-Churachandpur D/C.

In the present scenario, 132 kV Churachandpur area of Manipur Power System is only connected with rest of the grid through 132 kV Churachandpur –Ningthoukhong-1 Line, severely impacting the reliability and security of Churachandpur area of Manipur Power System as it is not N-1 complaint.

MSPCL is requested to expedite the restoration of the lines at the earliest to ensure reliable grid operation.

Deliberation of the sub-committee

MSPCL updated that due to the present law and order situation in the State, the lines could not be restored.

The forum requested MSPCL to expedite the early restoration of the lines.

C.11 Upgradation of end bay equipments of HTLS re-conductored lines in NER Grid

Following lines have been reconductored with HTLS conductor in the NER Grid with enhanced ampacity as per HTLS Conductoring.

		Upgraded	Present CT Ratio		
LINE	Owner	Ampacity of line	End I	End II	
220 kV Alipurduar-					
Salakati 1 & 2	POWERGRID	1100 A	800/1	800/1	
132 kV Jiribam-					
Loktak line	POWERGRID	600 A	600/1	366/1	

220 kV BTPS-				
Salakati 1 & 2	POWERGRID	1100 A	800/1	800/1
220 kV Sarusajai-				
Mirza 1 & 2	AEGCL	1200 A	800/1	800/1
132 kV Rokhia-				
Agartala I & II	TSECL	800 A	600/1	600/1
132 kV Umiam III-	MePGCL	875 A	400/1	400/1
Umiam I D/C	MELACT	073 A	400/1	400/1

However, the re-conductoring feature of the lines could not be utilized fully in present condition as it is being limited by the CT Ratio of the end equipments. Hence, the concerned utilities are requested to upgrade the end bay equipments to facilitate the maximum utilization of HTLS re-conductoring.

Deliberation of the sub-committee

LINE	Owner	Upgraded Ampacity	Presen Ratio	t CT	As discussed in the meeting
		of line	End I	End II	
220 kV Alipurduar- Salakati 1 & 2	POWERGRID	1100 A	800/1	800/1	NERTS stated that outage of the lines required, but NLDC maintaining that outage of inter-regional elements will be provided only after high hydro season. However, NERTS apply for the shutdowns
132 kV Jiribam- Loktak line	POWERGRID	600 A	600/1	366/1	NHPC was exhorted to upgrade end bay equipments at the earliest
220 kV BTPS- Salakati 1 & 2	POWERGRID	1100 A	800/1	800/1	NERTS stated that outage of each circuit required for 20 days. Will apply accordingly

					Upgraded equipments
220 I-V					(1200A) available at Mirza
220 kV					end work is underway at
Sarusajai-Mirza	AEGCL	1200 A	800/1	800/1	Sarusajai end. All works
1 & 2					to be completed within
					30days
					TSECL informed that the
132 kV Rokhia-					upgradation work will be
Agartala I & II	TSECL	800 A	600/1	600/1	completed within 2
					months.
120 I-V Umion					MePGCL stated that CTs
132 kV Umiam	MePGCL	875 A	400/1	400/1	have been requested
III-Umiam I D/C				400/1	under PSDF

The sub-committee noted as above

C.12 Regarding Railway Traction details of NER

AEGCL vide mail to NERLDC dated 28th Nov'22 had furnished information regarding railway electrification projects in Assam. It was mentioned that a total of 28 nos. of railway traction lines are being constructed out of which five nos. of lines are under operation with a sanction load of 5 MVA per line However, there has been a lot of developments in construction and operation of railway traction lines in the recent times.

AEGCL is requested to furnish the updated Railway Traction details in geographical map format in NER Grid.

Deliberation of the sub-committee

AEGCL updated that google map of traction loads are under preparation and the state will provide the required data to NELRDC soon.

C.13 Commissioning Progress of 2nd circuit of 220 kV Mariani-Samaguri Line

After conversion of 220 kV Misa-Mariani (PG) Line and 220 kV Misa-Mariani (AS) Line to 400 kV Misa-Mariani D/C, the Upper Assam System has become vulnerable under N-1 contingency. Frequent generation back down has to be carried out by the real time system operators to secure the system under N-1 contingency under condition of outage of any tie-line which connect the upper Assam system with the All-India Grid. Upper Assam gate-flow is being monitored and necessary back down of gas-based generation carried out to maintain the same.

Early commissioning of 2nd circuit of 220 kV Samaguri-Mariani (AS) Line is necessary to maintain N-1 reliability in Upper Assam Power System and reduce the need for frequent backing down of gas-based generation in Upper Assam System.

As per minutes of 202nd OCCM, SLDC Assam informed that the forest clearance is still wait for 132 kV Samaguri- Khumtai section in 220 kV Samaguri-Mariani (AS) line and it has been pending since 182nd OCCM.

AEGCL is requested to expedite the commissioning and share the latest status for reliable system operation.

Deliberation of the sub-committee

AEGCL update that rerouting of the second circuit along the first circuit is being considered and the survey work will start soon.

C.14 Non-operation of auto recloser in Killing (Byrnihat)-Misa D/C for transient faults

It was observed that Auto-reclosure function in 220 kV Killing-Misa-1 did not operate for transient fault which had occurred on 14th Mar'23. Non-operation of Auto-reclosure in Important Grid Elements of NER is highly undesirable. The issue was referred to Protection Sub Group meeting held on 4th May'23 where it was informed that there was a malfunctioning PLCC which will be rectified soon.

However, the issue is not yet resolved and as per latest information from MePTCL, there is an ongoing PLCC issue at Killing (Byrnihat) Substation, specifically related to a PLCC card problem. MePTCL is requested to expedite the rectification process and resolve the issue at the earliest for reliable system operation.

Deliberation of the sub-committee

MePTCL stated that at Byrnihat substation, A/R is configured through Goose communication protocol and the same is not operating due to some issues in the communication. Further, he stated that the SCADA vendor M/s Hitachi has

recommended that to solve the problem, SCADA modernisation at the substation is required.

DGM, NERTS suggested that hard wired A/R logic may be implemented at the place of goose communication system at the substation.

The forum advised MePTCL to share details of the problem with PGCIL and requested PGCIL to assist in this regard for coordination/communication with OEM.

The sub-committee noted as above

C.15 Reduced reliability in Byrnihat area of Meghalaya due to long outage of 400/220 kV 315 MVA ICT-1 at Byrnihat

400/220 kV 315 MVA ICT-1 at Byrnihat is under outage since 13:32 Hrs of 02-02-2023 due to SF6 gas leakage in Y-phase line chamber on HV side ICT-1. During the outage of 220 kV Byrnihat-Misa D/C, the system is not N-1 complaint due to the availability of only 400/220 kV ICT-2. Hence, operating the system under such condition poses great threat to the security and reliability of Meghalaya system.

In 201st OCC, MePTCL stated that consultation with the OEM and PGCIL, to rectify the issues related to the ICT, is underway and the same was expected to be restored by 15th May'23.

MePTCL is thereby requested to expedite the restoration of the ICT and share the latest status.

Deliberation of the sub-committee

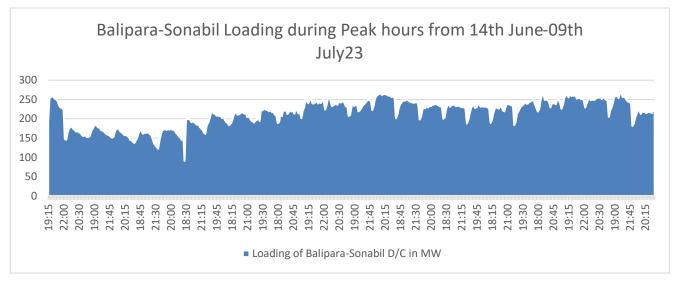
MePTCL updated that the restoration of the ICT is underway and stated that it is expected to be completed in 1st week of August'23.

The sub-committee noted as above

C.16 Non-compliance of N-1 criteria in 220 kV Balipara-Sonabil D/C

During peak hours, the combined loading of 220 kV Balipara-Sonabil D/C exceeds 250 MW. The maximum flow recorded in 220kV Balipara-Sonabil D/C after commissioning of 2nd circuit of 220 kV Balipara-Sonabil line is 268 MW (combined). Study indicates that outage of one circuit of 220 kV Balipara-Sonabil D/C can result in a 90% load shift to the other circuit of 220 kV Balipara-Sonabil D/C. Low generation availability

in Assam power system may further increase the loading of 220 kV Balipara-Sonabil D/C. The loading pattern of 220 kV Balipara-Sonabil D/C line from 14-06-2023 to 09-07-2023 during peak hours (18-22 Hrs.) is provided for reference.



Study suggests that opening one 400/220, 315 MVA ICT at Balipara can reduce the loading of 220 kV Balipara-Sonabil line by approximately 50 MW upon tripping of one circuit of 220 kV Balipara-Sonabil D/C.

An SPS (Special Protection Scheme) is therefore recommended as follows:

Triggering: Tripping of any one line of 220 kV Balipara-Sonabil D/C *Action:* Opening of any one of 400/220, 2x315 MVA ICTs at Balipara

A system study for relief of Loading of 220 kV Balipara - Sonabil D/C under N-1

contingency has been done and the observation & results are as shared below:

Observation:

After commissioning of 400/220 kV Sonapur S/s, the flow of 220 kV Balipara – Sonabil D/C is reduced by 10 MW in each circuit.

After commissioning of 132 kV Balipara – Misamari D/C for utilization of 220/132 kV ICTs at Balipara, the loading of 220 kV Balipara – Sonabil D/C is reduced by another 40 MW in each circuit.

Results:

 The commissioning of 400/220 kV Sonapur S/s does not yield much benefit in reducing the loading of 220 kV Balipara – Sonabil D/C.

- But there is major reduction in loading of 220 kV Balipara Sonabil D/C after commissioning of 132 kV Balipara – Misamari D/C.
- But the above two proposals are likely to come after 2026, which would render the 220 kV Balipara – Sonabil D/C unreliable under N-1 contingency of one circuit.
- 4. It is therefore proposed for the following:
 - a. Immediate Measure: SPS for tripping of one ICT of 400/220 kV 2x315 MVA ICTs at Balipara.
 - b. Long Term Plan: Reconductoring of 220 kV Balipara Sonabil D/C.

Deliberation of the sub-committee

i) Regarding commissioning of 400/220kV Sonapur S/S (LILO of 400kV Byrnihat-Silchar line) AEGCL updated that Tender will be floated soon and the work is expected to be completed within three years from the award of LoA.

ii) Regarding proposed SPS, NERLDC will undertake the study.

iii) Regarding reconductoring of 220kV Balipara-Sonabil D/C alongwith end equipments, the matter was referred to CMETS.

iv) POWERGRID mentioned that tripping of 400kV ICTs at higher tier of Power System in SPS logic may be avoided and reduction of load at lower voltage level may be adopted.

The sub-committee noted as above

C.17 NER Operating Procedure:

Draft Operating Procedure for 2023-24 has been prepared as per section 5.1(e) and (f) of IEGC and has mailed to the constituents on 10th Jul'23. The final document will be published by 20th July'23. All the constituents are requested to kindly check and provide comments if any by 18th Jul'23.

Deliberation of the sub-committee

NERLDC requested state utilities to provide their feedback on draft Operating procedure for 2023-24 at the earliest. Though the final document was to be published by 20th July, 2023, it was suggested that all stakeholders may still furnish their comments within 2 days after which the final documents will be published by NERLDC.

Additional Agenda

C.18 Shutdown required M/s Sterlite

132 kV S/C Ranganadi-Pare and Pare-Lekhi lines along with associated bays at Pare w.e.f. 15.07.23 to 25.07.23 (continuous shutdown) was requested but was denied by SLDC Arunachal Pradesh stating that the matter should be first discussed in 204th OCCM. Shutdown of those bays and lines are required to straighten Ranganadi Lekhi/Nirjuli line disconnecting from Pare LILO and commissioning of new Pare-Nirjuli & Pare North Lakhimpur line.

Deliberation of the sub-committee

After detailed discussion, DoP Arunachal Pradesh agreed to the shutdown request and the shutdown of 132kV Rangandi-Pare line 1 and 132kV Pare-Lekhi lines was approved from 19.07.2023. M/s Sterlite updated that after the straightening work is completed 132kV Rangandi-Lekhi direct link will be formed which will be charged by 23.07.2023. He further updated that commissioning of 132kV Pare-N. Lakhimpur DC (One circuit LILOed at Nirjuli) will be completed by 30.07.2023.

The sub-committee noted as above

C.19 Shutdown required M/s OTPC

OTPC ICT-1 SD from 24th June 23 (Continuous SD), Approved in 203rd OCC was not allowed. Reason for SD was oil leakage from Transformer. Non-issue of SD may lead to damage of Transformer.

Also, the matter was discussed in a special meeting held by NERPC on 13th July 2023, in which Tripura provided in principle consent for the shutdown from 18th July to 24th July 2023, However the same was denied on 17th July owing to denial of consent for load restriction by Bangladesh.

Deliberation of the sub-committee

The forum noted the emergent nature of situation and opined that delay in providing shutdown of the ICT may cause damage to the transformer and affect the grid. After detailed discussion, the forum approved the shutdown form 0000hrs of 19.07.2023 and requested Tripura to manage the loading of Tripura grid (if Bangladesh does not agree to load curtailment) as recommended by NERLDC in order to avoid any contingency.

The sub-committee noted as above

C.20 Project status of NERPSIP in Mizoram:

As discussed in 3rd NETEST subgroup meeting following issues was raised by NERPSIP with respect to Mizoram:

S.		State	Issues			
No.						
		Poles missing in	Due to non-availability of towers (poles are used			
		2 number of	in few locations) in 2 no. existing links (West			
		existing lines.	Phaileng-Zemabak & Lungsen – Lunglei), OPGW			
		Zemabak - West	laying are unable to complete.			
1	Mizoram	Phailang Line &	OPGW laying of 45/51km has been completed at			
		Lunglei -	West phaileng – Zemabak link and 26/27km has			
		Lungsen line	been completed at Lunglei – Lungsen line.			
			Connectivity of Optical fiber is not possible at			
			these locations due to the above reasons.			
			SLDC Mizoram informed the forum that DoP			
			Mizoram has requested for Special assistance			
			Government fund in FY 2023-24. SLDC			
			Mizoram to expedite the work at the			
			earliest			

In the meeting P&ED, Mizoram informed that proposal for the Special assistance Government fund has been submitted and further requested NERPSIP to consider stringing the OPGW in the existing poles. NERPSIP informed that they will be unable to adhere to the request.

Deliberation of the sub-committee

Mizoram intimated that funding has been sought from the government which is still awaited. After detailed discussion, MS, NERPC stated that NERPC Secretariat will write a letter to higher official of P&ED Mizoram regarding the matter.

Agenda from AEGCL

C.21 Utilization of space available at 400/220kV Misa S/s (extended yard of Byrnihat Bays) for termination of 02 Nos of 220kV Bays for termination of 220kV Sankardev Nagar - Misa D/c Line.

As a part of the ongoing projects being executed by AEGCL for construction of new Substations and associated lines through AllB funding, a 220/132kv Substation is coming up at Sankardevnagar within the complex of the existing 132Kv Substation. As per the approved scheme, the substation will have 220 kV D/C connectivity from Misa Substation of PGCIL. As per the earlier approved arrangement the 2 (two) No of bays at Misa which have been vacated upon the upgradation from 220kv to 400kv of New Mariani- Misa lines, were to be utilized for the said connectivity. Subsequently, when the feasibility of the connectivity was examined by joint visit of PowerGrid and AEGCL at site, acute difficulties have been apprehended in respect of accessibility to these bays through a vary congested corridors. After thorough examination of the issue, and consequent upon a joint site visit, it is now proposed that the required bays may be constructed using the mentioned space in extended yard of Byrnihat Bays using the existing gantry structures owned by MeECL.

The Forum may please discuss the issue and offer the necessary consent of approval. **Annexure-C.21** is enclosed herewith for kind reference of the members.

Deliberation of the sub-committee

After detailed discussion, the forum decided that AEGCL shall take up the matter with MeECL for utilization as mentioned above. On consent of MeECL, the issue will be referred to CMETS for finalization.

The sub-committee noted as above

Agenda from NERTS

C.22 Status of Installation of Line Differential Protection by POWERGRID using OPGW

Status of installation of Line Differential Protection is as given below: -

S1. No.	Line details	Length (in kM)	No. of dark fibre pairs required	Status
1	132 kV RC Nagar-Agartala-I	8.384	01	Commissioned
2	132 kV RC Nagar-Agartala-II	8.384	01	Commissioned
3	132 kV Aizawl-Melriat	6.7	01	By Aug'23
4	132 kV Badarpur-Badarpur	1.023	01	Commissioned
5	132 kV Kumarghat-PK Bari	1.5	01	By Nov'23
6	132 kV Khliehriat-Khliehriat-I	7.801	01	Commissioned
7	132 kV Dimapur-Dimapur I	0.347	01	- Commissioned
8	132 kV Dimapur-Dimapur II	0.95	01	By Aug'23
9	132 kV Imphal-Imphal-I	1.5	01	
10	132 kV Imphal-Imphal-II	0.339	01	
11	132 kV B'Chariali - Pavoi - I	12.931	01	— Commissioned
12	132 kV B'Chariali - Pavoi - II	12.931	01	
13	220KV Balipara-Sonabil-I	11	01	By Aug'23
14	220KV Salakati-BTPS-I	4	01	
15	220KV Salakati-BTPS-II	4	01	By Nov'23
16	220kV Mariani (PG)-Mariani (AEGCL)	1.5	01	Commissioned
17	132kV Badarpur - Kolasib	107	01	
18	132kV Badarpur - Khliehriat	76.54	01	By Nov'23
19	132kV Badarpur -Silchar - I	19.2	01	
20	132kV Badarpur - Silchar- II	19.2	01	— Commissioned
21	132kV Silchar - Hailakandi I	30	01	D N 200
22	132kV Silchar - Hailakandi II	30	01	By Nov'23
23	132kV Khliehriat-Khandong - II	40.92	01	
24	132kV Khandong-Kopili-II	11	01	Commissioned
25	132kV Melriat- Zemabawk	10.12	01	
26	132kV Nirjuli - Lekhi	8.301	01	By Jul'23
27	132kV Namsai - Tezu	99.5	01	
28	132kV Roing - Tezu	73	01	By Aug'23
29	132kV Roing - Pasighat	102.85	01	
30	132kV Mokokchung - Mokokchung I	1.44	01	
31	132kV Mokokchung - Mokokchung II	1.44	01	— Commissioned
32	132kVSilchar - Srikona I	1.2	01	
33	132kVSilchar - Srikona II	1.2	01	- Commissioned
34	132kV Jiribam - Badarpur	67.21	01	By Sep'23

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35	132kV Jiribam- Haflong	100.6	01	
36	132kV Aizawl - Kolasib	67	01	$D_{\rm M}$ Aug'02
37	132kV Aizawl - Luangmal	0.8	01	By Aug'23
38	132kV Kumarghat - Karimganj	94.94	01	By Nov'23
39	132kV Haflong- Haflong (State)	1.2	01	By Sep'23

Further, for end-to-end communication, SDH has also been utilised for Line Differential Protection as pilot project in following lines: -

- 1. 132kV Silchar Melriat#1&2
- 2. 132kV Aizawl Kumarghat

Deliberation of the sub-committee

The forum noted the progress of the installation of Line differential protection by NERTS.

C.23 Opening of Locks of CT/CVT MBs of 132kV SM Nagar Comilla#1&2 at SM Nagar end

CT/CVT MBs of 132kV SM Nagar Comilla#1&2 have been sealed by Bangladesh Power Deptt./TSECL in 2018 considering that the same are used for metering purpose also. However, due to this, it is difficult to carry out the preventive maintenance testing of CT i.e. Tan Delta measurement. Further, general cleaning is also not possible. Further, CVT MB is also sealed due to that its testing / cleaning etc. is also not possible.

Matter was discussed in 184th OCC also wherein it was finalized that TSECL / NERLDC shall take up the matter with Bangladesh for opening of sealing for maintenance purpose.

Now outage of the said lines has been proposed for AMP for 21/07/23 and 22/07/23 for Line#1&2 respectively.

TSECL is requested to please take up the matter with Bangladesh for opening of Sealing of CT/CVT MB during upcoming outage.

Deliberation of the sub-committee

After detailed discussion, the forum requested Tripura to take up the matter with Bangladesh at the earliest.

D. ITEMS FOR STATUS

D.1. Implementation of projects funded from PSDF:

The status as informed in 204th OCCM:

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. Amount not received in the TSA account.	-
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. Remainin g 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 for IT portion, no disbursement for Meter, AMR portion. 20% disbursement for IT portion after completion of 3 rd milestone. 30% to be disbursed for Meter, AMR portion	Yurembam-III to be			
	33kV System Integration with SLDC		In tendering stage					
	Reliable Communication s 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 commissioni ng of ISTS lines. Issue dropped	10% successfully disbursed. 20% fund reversed back from vendor account. Will be resolved soon.	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.	-	90% works completed. Communicati on pending.	All works except OPGW done
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D.2. Status update of important grid elements under prolonged outage impacting system operation:

S1. No	Element	Owner	Status up to the 203 rd OCCM	Latest Status
1	132kV Mariani – Mokokchung (<i>out since</i> <i>April'2008</i>)	AEGCL	Non clearance due to persisting funding issue	Non clearance due to persisting funding issue
2	132kV Roing-Pasighat (charged through ERS tower	NERTS	Completion by Nov'23	Completion by Nov'23
3	220kV Misa-Kopili D/C, 220/132kV ICTs at Kopili, 132kV Khandong –Kopili D/C(<i>out since Oct'19</i>)	NEEPCO/ NERTS	Item B.8 (Kopili-Khandong by September'23 and Misa-Kopili by July'23)	Misa-Kopili by Aug'23 and ICT at Kopili by Sept'23
4	132kV Srikona – Panchgram	AEGCL	LOA issued on 18.02.2023, Work in progress, tentative completion within 8 months	12% work completed. Drawing approval under progress
5	400kV Imphal – Thoubal-I and 315MVA 400/132kV ICT at Thoubal	MSPCL	RoW, litigation pending in court.	Same status
6	63MVAR Bus Reactor at Byrnihat to be replaced with 80MVAR Reactor	MePTCL	Work order placed, tentative commissioning by Aug'23	August'23

D.3. Status of commissioning for upcoming projects:

S1. No	Name of the element	Utility	Status up to the 203 rd OCCM	Latest Status
1	132kV Monarchak- Surjamaninagar	TSECL	RoW and Funding issue hampering the progress. To discussed in 24 th TCC/RPC meeting	20 km stringing left, 2 tower foundation pending and pending 8 nos. tower erection. Tentative

				completion by 31.10.2023.
2	PLCC for 132kV Loktak-Ningthoukong and 132kV Loktak- Rengpang(existing lines)	MSPCL	Under R&M by NHPC. July'23	August'23
3	Commissioning of 220kV Balipara- Sonabil-2ckt 2	AEGCL	Completed.	Completed.
4	Upgradation of 132kV Lumshnong – Panchgram line	MePTCL	Work has started, tentative completion by June'23	By August'23
5	PLCC for 132kV Karong-Kohima. PLCC at Kohima	DoP Nagaland	Work order Placed, to be commissioned by Nov'23	Work order Placed, to be commissioned by Nov'23
6	132kV Loktak- Ningthoukhong-II	MSPCL		
7	132kV Roing- Chapakhowa	NERTS	Stringing completed. RIO clearance under way	Charged
9	420kV 80MVAR Bus Reactor	NEEPCO	Dec ² 23	Dec'23
10	220kV Killing – Mawngap	NERPSIP	Refer to item B.8. June'23	August'23
11	220kV Samaguri – Mariani-I	AEGCL	FC for Samaguri- Khumtai section is still awaited.	Due to acute RoW issue (for fresh statutory clearance from forest Dept), AEGCL is planning to divert part of the corridor of forest area surveyor engaged
12	PLCC/DTPC for 220kV Balipara- Sonabil	AEGCL	Equipment procured, to be commissioned after rectification of SAS	Equipment procured, to be commissioned after rectification of SAS
13	220kV AGBPP –Namsai D/C	TBCB	Oct'25	Oct'25
14	Upgradation of 132kV Surjamaninagar- Surjamaninagar(ISTS), 132kV Bodhjungnagar- SMNagar, 132kV P.K.Bari-Ambassa, 132kV P.K. Bari- P.K.Bari(ISTS)	TSECL	TSECL updated that DPR has been submitted and TESG has approved the same. The work will start as soon as the funds are disbursed.	DPR has been approved. Fund disbursal soon

15	LILO of 132kV Leshka- Khliehriat-I at Mynkre and Mynkre SS and 33kV downstream at Mynkre.	NERPSIP	June 23	July'23
16	220kV Tinsukia- Behiating D/C	NERPSIP	WIP - June'23 due to ROW	WIP - July'23 due to ROW
17	LILO of 132kV Kamalpur-Kamakhya& 132kV Kamalpur- Sishugram at Amingaon	NERPSIP	Completed. Ready for charging.	Completed. Ready for charging.
18	220kV Rangia – Amingaon D/C and 220/132kV 2x160MVA Amingaon S/S	NERPSIP	June'23 due to ROW	July'23 due to ROW
19	132kV Rengpang- Tamenglong and 132/33kV 4x6.67MVA at Tamenglong at Manipur	NERPSIP	June'23 due to ROW	July'23 due to ROW
20	132/33kV 2x20MVA Gamphazol at Manipur	NERPSIP	Test charged in Dec'22	Test charged in Dec'22
21	132/33kV West Phaileng S/S at Mizoram	NERPSIP	Ready for charging. Line WIP.	Ready for charging. Line WIP.
22	132/33kV 2x12.5MVA Marpara S/S at Mizoram	NERPSIP	June'23	July'23
23	132/33kV 2x12.5MVA Lungsen S/S at Mizoram	NERPSIP	June'23	July'23
24	132kV Lungsen- Chawngte S/C at Mizoram	NERPSIP	Ready for charging.	Ready for charging.
25	132kV Chawngte – S.Bungtlang S/S at Mizoram	NERPSIP	June'23	July'23
26	132kV W.Phaileng- Marpara S/C at Mizoram	NERPSIP	June'23 subject to RoW clearance in Pukzing village in Mamit district	July'23 subject to RoW clearance in Pukzing village in Mamit district
27	220kV Zhadima – Mokokchung at Nagaland	NERPSIP	Ckt 1 charged in Mar'23. Other ckt waiting for finalization of MoU	Ckt 1 charged in Mar'23. Other ckt waiting for finalization of MoU

28	LILO of 132kV Wokha – Kohima at 132/33kV New Kohima (Zhadima) at Nagaland	NERPSIP	Line ready, jumpering not yet done	Line ready, jumpering not yet done
29	132kV Wokha- Zunheboto – Mokokchung at Nagaland	NERPSIP	Stringing in 2 or 3 spans left, by June'23	Stringing in 2 or 3 spans left, by July'23
30	132kV Tuengsang – Longleng at Nagaland	NERPSIP	Line ready, Tuensang substation upgradation under progress	Line ready, Tuensang substation upgradation under progress
31	132/33kV Amarpur S/S at Tripura	NERPSIP	June'23	July'23
32	132/33kV Manu(new) S/S at Tripura	NERPSIP	June'23	July'23
33	132kV Dharmanagar- Kailashor	NERPSIP	May'23	July'23
34	132kV Ziro-Yazali and 132/33kV Yazali S/S	POWERGRID- Comprehensive		
35	132kV Yazali – Palin and 132/33kV Palin S/S	POWERGRID - Comprehensive	132kV Yazali - Palin Line - Stage I Forest Clearance Obtained a) 3 foundation work completed. 132/33kV Palin S/s- a) CRB WIP. b) Electrical Works to be started.	132kV Yachuli - Palin Line - Stage I Forest Clearance Obtained. NPV & CA Payment done. Stage II awaited a) 8 foundation work completed . 132/33kV Palin S/s- a) 75% work complete b) CRB Finishing work in Progress
36	132kV Palin- Koloriang and 132/33kV Koloriang S/S	POWERGRID - Comprehensive	132 kV Palin - Koloriang Line - No Forest Clearance Obtained a) Not Yet Charged. 132/33kV Koloriang S/s- a) CRB First Slab (to be completed within this month)	132kVPalinKoloriang Line -StageIForestClearanceObtained.132/33kVKoloriang S/s-a)BothSlabscomplete,Brickwork in ProgressTargetforcompletion:DEC2023

37	132kV Khonsa – Deomali and 132/33kV Khonsa S/S	POWERGRID - Comprehensive	132 kV Khonsa - Deomali Line - a) Foundation, Erection and Earthing WIP. 71/87 Foundation Complete 50/87 Erection Complete Target for completion: June 2023 132/33kV Khonsa S/s- a) CRB Finishing Work b) Cabling, Foundation, Retaining Wall WIP	 132 kV Khonsa - Deomali Line - a) Foundation, Erection and Earthing WIP. b)76/87 Foundation Complete c)57/87 Erection Complete d)3.103/41.045km Stringing Complete Target for completion: DEC 2023 132/33kV Khonsa S/s- a) CRB Finishing Work b) Cabling work in progress , Foundation Complete, Retaining Wall WIP
38	132kV Miao – Namsai and 132/33kV Miao S/S	POWERGRID - Comprehensive	132kV Miao - Namsai - a) No Work due to ROW issue at Miao. b) No Work due to sand boiling and ROW issue at Namsai. 132/33kV Miao S/s- a) Gravel Spreading b) Water Proofing for exposed area of Transit Camp first Floor c) Testing of Isolators Completed d) Electrification WIP e) Site Levelling WIP.	132kV Miao - Namsai - b)39/138 Foundation Complete c)24/138 Erection Complete d)4km Stringing Complete 132/33kV Miao S/s- a) Gravel Spreading approx 70% complete b)Eartmat 85% complete c)Plumbing work in Progress d)T&C 80% complete e) Site Levelling WIP.
39	132kV Chimpu – Holongi and 132/33kV Holongi S/S	POWERGRID - Comprehensive	Ready for charging	Electrical Inspection Clearance received for both Line and

				Substation. Applied
				for FTC
40	Lower Subansiri HEP	NHPC	Dec'23	Feb'23
41	400kV Lower Subansiri-BNC line2	PGCIL	July'23	Oct'23
42	Conversion of MT to DM at (i)132kV Khliehriat, (ii)132kV Badarpur, (iii)132kV Nirjuli, (iv) 132kV Imphal	NERTS	Nirjuli - May'23 Imphal – Badarpur &Khlerihat – Cost estimate under preparation by CTUIL	Nirjuli-completed. Imphal-depends upon the law and order in Manipur. No contracts coming up. Badarpur and Khleihriat-order yet to receive
43	Construction of Pare- N.Lakhimpur DC along with LIO at Nirjuli	Sterlite (TBCB)	To be completed by 10 th July subject to grant of shutdown as requetsed	Charged on 1 st August 2023
44	LILO of BNC- Chimpuckt II at Gohpur	Indigrid	DoP Arunachal signed the agreement	Aug'23
45	220kV New Shillong- NangalBibra(ISTS 220/132kV) TL	MEPTCL	Work order given to PGCIL for survey. PGCIL is yet to submit the survey report	As updated by PGCIL, survey completed and report under finalization.
46	400kV Bongaigaon- Nangalbibra (ISTS) DC (to be charged at 220kV initially)	Sterlite	Dec'23	Dec'23
47	HTLS reconductoring of 132kV Hailakandi- Dullavcherra	AEGCL	During 23 rd TCC RPC meeting, the forum recommended for the upgradation and preparation of DPR by AEGCL	AEGCL is already planning for reconductoring of the lines. However, Funding source is not finalized yet.
48	HTLS reconductoring of 132kV Panchgram- Hailakandi	AEGCL	Included in CEA 2030 Augmentation Scheme	AEGCL is already planning for reconductoring of the lines. However, Funding source is not finalized yet.
49	HTLS reconductoring of 132kV Srikona- Pailapool	AEGCL	Included in CEA 2030 Augmentation Scheme	AEGCL is already planning for reconductoring of the lines. However, Funding source is not finalized yet.

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

			ans.	ltage	SL	Jay	tilized		of Lines(as n 204 th OCCM)
	ISTS S/s	State	Voltage ratio, Trans. Cap	Down- stream Voltage level (kV)	Unutilized bays	Status of ISTS bay	STU Lines for unutilized bays	Date of Award	Completio n schedule
1	New Mariani (POWERGRID)	Assam	400/220kV, 2x500MVA	220	2	Commissioned	New Mariani (POWERGRID) – Diphu (Assam) 220kV D/c line	survey	By Jan'25
2	New Kohima (TBCB)	Nagal and	400/220kV, 2x500MVA	220	2	Commissioned	New Kohima (TBCB) – New Kohima (Nagaland) 220kV D/c line	LoA Feb'2021	Line stringing completed, PLCC works to be completed by Nov'23. For OPGW, PGCIL is requested to Install it. Matter referred to 24 th TCC/RPC
3	Nangalbibra (TBCB)	Megha laya	220/132k V, 2x160MVA	132	2	Under construction (Dec'23)	Nangalbibra (ISTS) – Nangalbibra (MePTCL) 132kV D/c (HTLS,800A) Line:about 5km	DPR prepared and survey completed. Tendering under finalization	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

No. Capacity/ Element	S1. No.	Substation/Location		Date of Award	Completion Schedule
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Α	Assam (to be implemented	by AEGCL)		
I	Rangia	400/220kV, 2x500MVA	 EPC Contract Award is Tentatively scheduled in the early half of Dec'2022. Master Plan submitted for approval. Tender under preparation AIB points to be addressed 	Dec'2025
a)	LILO of both circuits of Bongaigaon – Balipara 400kV D/c line at Rangia	400 kV, D/C	 EPC Contract Award is expected byDec'2022. Tender preparation is completed and is to be reviewed by AIIB 	Mar'26 (36 months form date of Award)
п	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.	-
ш	Upgradation of Gohpur S/s from AIS to GIS	-	 Notice of Award has been issued on 8thjune 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 BiswanathChariali – Itanagar 132kV D/cline(line works underISTSthrough TBCB route)	132kV	1. LoA by Jun'22	June'2025
IV	Upgradation of Sonapur S/s from AIS to GIS	-	 Contract to be awarded by July'23. LoA by July'23 	June'2026

a)	LILO of 400kV Silchar- Byrnihat at Sonapur	-	1. LoA by July'23	June'2026
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		Transformation		
S1. No.	Substation/Location	Capacity/ Element	Date of Award	Completion Schedule
В	Tripura (to be impleme	nted by TSECL)		
I	Surajmaninagar (TSECL)	400/132kV, 2x315MVA	JV formation, between PGCIL and STU by Mar'23	12 months from Date of Award
a)	LILO of both circuits of Surajmaninagar (ISTS) – Palatana 400kV D/c line atSurajmaninagar (TSECL) S/s	400kV D/c	All works except 400kV termination at Surjamaninagar(TSECL) by POWERGRID to be done. Balance works under separate contract.	LILO completed for 400kV ckt 2 (by PGCIL) without bay readiness, LILO has been charged. Total completion subjected to Sub-station readiness at Surajmaninagar
С	NEEPCO (to be impleme	ented by NEEPCO)		
I	Extension works at Ranganadi HEP end			
a)	420kV 80MVAR Bus Reactor at Ranganadi Generation Switchyard		LOA on 11.01.2022	Dec'23 (Logistics and Transportation issue)
II	Extension works at PareHEP end			· · · · · · · · · · · · · · · · · · ·
a)	Bypassing of LILO of Ranganadi - Naharlagun / Nirjuli at Pare HEP so as to form direct Ranganadi- Naharlagun / Nirjuli 120	132kV	Regarding bypassing of LILOat (a), work has been awarded in Dec, work to be completed in 4 months from LoA, The LILO portion is	All works completed.
	Nirjuli132 kV S/c line		about2.2km & the cost	

b) Re-conductoring of LILO portion at Pare end (of Ranganadi - Naharlagun / Nirjul 132kV S/c line) with HTLS (HTLS equivalentto ACSE Zebra) along with modification of 132kVbay equipment at Pare HEE

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

SL. No.	Item for Discussion	Status as per 203 rd OCCM	Latest Status
1.	Introduction of SPS in Leshka S/Sn of Meghalaya (Agenda No. C4 of 189 th OCCM)	Communication with M/s Hitachi underway. M/s Hitachi not responding, NERTS to help bridge the communication gap	Communication with M/s Hitachi underway
2.	Voltage and MVAR issues at 400kV Kameng S/Sn (Agenda No. C7 of 189 th OCCM)	Discussion with OEM M/s BHEL is underway. Member Secretary NERPC has written a letter to BHEL in this regard	Same status. A meeting is to be arranged with BHEL to discuss the matter
3.	Difficulty in test synchronization at Ningthoukhong S/Sn (installation of line CVT) (Agenda No. C11. of 189 th OCCM)		
4.	Outage of 400kV Imphal (PG) – Thoubal-I (Agenda B.15 of 184 th OCCM)	RoW, litigation pending in court	Same status
5.	Charging of 33kV Khupi- Kimi line at 132kV: Recommendations of the 187th OCCM to be implemented: (a) Installation & Commissioning of PLCC and additional Wave Trap with accessories at Khupi (NEEPCO) - By Mar'22 Minutes of 188th OCC meeting held on 16th March, 2022 at Guwahati	OPGW link to be ready by end of June. NEEPCO to complete LDP commissioning and vegetation clearance by 15 th July 2023.	Work completion by the end of July'23

	 (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 188th OCCM) 		
6.	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.	Tender floated in the month of August'2022.	Tender floated in the month of August'2022.
7.	Grid Disturbance in Dhaligaon area of Assam Power System (C.18 of 191 st OCCM)	Work started for replacement and repairing of damaged earthing will start from 2 nd week of May.	Work under progress
8.	Occurrence of Multiple grid disturbance in Gohpur and radially connected areas of Assam Power System (C.10 of 194 th OCC)	SEM meters provided by PGCIL, both lines bays commissioned from AEGCL end. AEGCL scope of work done, Sterlite scope of work remaining	Sterlite scope of work remainng
9.	Status of Installation of TLSA in 400kV Silchar- Azara T/L & 400 kV Silchar- Byrnihat T/L (C.12 of 194th OCCM)	i)Supply of 80% of TLSA is completed, rest by the end of June'23 ii)Tendering process for finalization of the implementing agency shall be completed by July'23 iii)Accordingly, a detailed shutdown/work plan will be submitted to OCC forum in August iv)installation shall start in month of September'23	i)Supply of 100% of TLSA is completed, ii) finalization of the implementing agency is also completed iii)a detailed shutdown/work plan will be submitted to OCC forum in September'23. Currently there is continuous rainfall at the site

			iv)Thereafter once the rainy days gets over, i.e., from the month of October'23 onwards installation of TLSA shall be started at site
10	PLCC & protection related issues at 132kV Tipaimukh S/s (C.15 of 194 th OCC) & (C.8 of 197 th OCC)	PLCC engineer to visit the SS. (MSPCL)	MSPCL yet to provide update
11	48V System reliability at	June'23	July'23
12	Construction of Anchor tower at location 433 by PGCIL and reconductoring of 220kV Mariani-Mariani SC with Moose conductors (B.16 of 196th OCCM)	Shutdown not provided.	Construction of Anchor tower completed. Reconductoring to be done soon
13	Commissioning of 400kV Bus-B at Ranganadi Power Station (C.14 of 192ndOCCM)	In 193rd OCCM, forum requested NEEPCO to put forth agenda for upgradation of 400 kV switchyard to GIS and implementation of 400 kV Bus–B together. To be done under R&M of the	To be done under R&M of the station, after 2027.
14	Implementation of Bus Bar Protection at 132 kV Kahilipara (AEGCL) Substation (C.8 of 196th OCCM)	station, after 2027. Estimate submitted for procurement of CT available with core for Bus bar protection.	Approval of estimate for CT procurement is under process
15	Furnishing of data as per Detailed Procedure on interim methodology for estimation of Reserves under CERC (Ancillary Services) Regulations, 2022(item C.4 pf 198th OCCM)	NERLDC thanked SLDC Nagaland for furnishing the data for estimation of reserves. Other NER states assured to provide the data at the earliest. NERLDC mentioned that the states may contact Manager NERLDC for clarifications (if any).	SLDC Meghalaya updated that they had already sent the data on 2 nd March 2023
16	TLSA installation on 132kV Leshka-Khleihriat DC	DPR submitted to PSDF secretariat	DPR submitted to PSDF secretariat
17	400 kV GT-1 &Silchar 1 Tie Bay at OTPC is under outage from 31/12/2022.	Faulty LBB relays, under procurement, tentatively restoration by end of Aug'23	Faulty LBB relays, under procurement, tentatively

	400 kV GT-2 & 400/132 kV ICT 2 Tie Bay at OTPC is under outage from 10/02/2023		restoration by end of Aug'23
18	Installation of Line differential protection in Rokhia-N.Rokhia line	CBs for LDP of Rokhia- N. Rokhia line has to be procured. Further, DPR prepared, Tendering process underway.	Tendering process under finalization
19	Upgradation of 132kV Jiribam-Loktak line. Upgradation of jumper conductor to suitable ampacity and installation of CT of ratio 800/1 at Loktak HEP		NHPC to upgrade bay equipments soon
20	Reconductoring of Umiam stg I stg III, upgradation of CT ratio to 800/1	MePGCL to divert the suitable CT from other substations	Approaching PSDF for funding
21	Restoration of tower no. 3 and 12 of LILO of Nirjuli- Dikrong Transmission line to Lekhi Substation (B.23. of 193rd OCCM)	In 193rd OCCM, AE, SLDC Arunachal Pradesh reiterated that restoration work may go up to March'23 subject to receding of water of Dikrong river. Tower locations in spate of floods. Works stalled. Expected completion by March 2024	Tentatively by March'24.
22	Long Outage of 400/220 kV ICT-3 at Byrnihat S/S (B.22. of 202 nd OCCM)	Work order placed, to be completed within 45 days if weather permits. (July end)	By 1 st week of August
23	Proposal of SPS Scheme to disconnect Bangladesh load on overloading of 132 kV Surajmaninagar (ISTS) - Surajmaninagar(TSECL) line. (C.3 of 202nd OCCM)	Item referred to 24 th TCC/RPC meeting	TSECL assured the forum that loading on SMNagar- SMNagar will always be maintained below 85 MW. The loading pattern of the line will be reviewed in every OCCM
24	Upgradation of Tuensang substation to 132kV level, under NERPSIP. (item B.15 of 203rd OCCM)	NERPSIP updated that tender will be awarded by the end of June'23 and the work will be completed in the next one year.	
25	Commissioning of LILO of one circuit of 132 kV	M/s Indigrid(NTL) intimated the forum that the	Work completion by August'23

r			
	Biswanath Chariali-Itanagar D/C at Gohpur (item C.8 of 203 rd OCCM)	supplementary connection agreement has been issued by CTU. The termination works will start soon at Gohpur sub- station and shutdown of 132 kV Biswanath Chariali- Itanagar D/C will be required for 7 days.	
26	Installation of OPGW on 220kV New Kohima (ISTS)- Zhadima line (item C.10 of 203 rd OCCM)	As per 24 th TCC meeting NERTS to enter into special arrangement with DoP Nagaland regarding the matter	As discussed in 24th TCC/RPC meeting CGM (i/c), NERTS stated that a special arrangement can be made bilaterally with Nagaland by devising a mutually agreed policy/philosophy of work including deposit work or other alternatives, AMC, O&M etc.
27	Readiness of end bay equipment for re- conductored 220 kV BTPS- Salakati D/C (item C.13 of 203 rd OCCM)	DGM, NERTS intimated that Type testing of bay equipment of higher rating, will be conducted by end of June'23 and upgradation work will start by mid- July'23. He further stated that shutdown of each circuit will be required for 15days each.	NERTS stated that outage of each circuit required for 20 days. Will apply accordingly

E. METERING ITEMS

E.1. Issues regarding SEM Data Processing:

a. <u>Non-receipt of SEM data from 132 kV Pailapool Substation:</u>

Weekly SEM data of 132 kV Pailapool (As) Substation is important for accounting of Assam drawal. However, SEM data from the said substation is not being received. In 203rd OCCM, PGCIL informed that rectified DCD has been already dispatched and is in transit.

b. <u>Non-receipt of SEM data from 132 kV Rengpang (Man) Substation:</u>

Weekly SEM data of 132 kV Rengpang (Man) Substation is important for accounting of Manipur drawal. However, SEM data from the said substation is not being received. Issue with CMRI has been reported by the concerned substation.

Deliberation of the sub-committee

a. AEGCL intimated the forum that DCD has been received at the site. But a converter cable is required for the functioning of the DCD which will be arranged within a week.

b. Manipur and PGCIL intimated that some issue related to cable is there and the same will be provided to the site as soon as possible.

The sub-committee noted as above

E.2. 2. High Time Drifted SEMs:

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 the same.

S.No	ENTITY	FEEDER NAME	METER NO	TIME DRIFT
1	ASSAM	132 kV AGIA END OF NANGALBIBRA	NP-9920-A	6 mins
2	ASSAM	220 kV BTPS-NTPC 1	NP-9647-A	3 mins
3	ASSAM	220 kV BTPS-NTPC 2	NP-5318-A	4 mins

Time drift of more than 4 mins observed in the following meters.

Deliberation of the sub-committee

Assam updated the forum that time drift correction exercise has been started at the mentioned sites with the help of the DCD.

The sub-committee noted as above

E.3. Procurement of SEMs for future requirements:

In 202nd OCCM, forum approved the proposal of procurement of 60 SEMs to fulfil the requirement for the upcoming transmission elements.

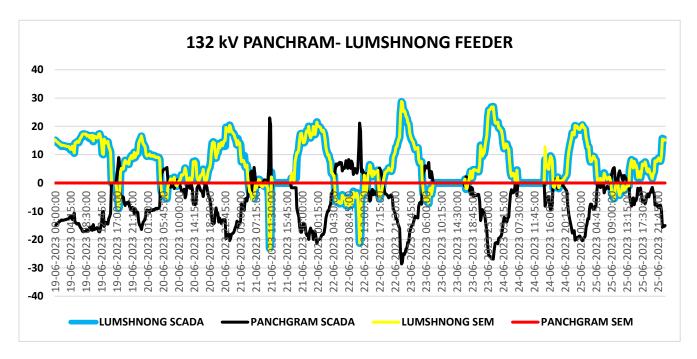
In 203rd OCCM, CTU informed the forum that procurement of 60 SEMs is in process. The procurement shall be as POWERGRID's standard practice. Required arrangement for meter data downloading shall be taken care during installation of IEMs. As suggested by forum, CTU agreed to make necessary arrangement at site for downloading the meter data with existing DCD during installation period.

Deliberation of the sub-committee

Status couldn't be updated as no representative from CTU was present in the meeting.

E.4. Erroneous reading of Panchgram end of 132 kV Panchgram-Lumshnong line:

Panchgram end of 132kV Panchgram-Lumshnong line is reading to 0 (Zero) value. SCADA VS SEM plot comparison for the period 19.06.23-25.06.23 is given below.



Deliberation of the sub-committee

Assam intimated the forum that issue will be attended shortly.

E.5. Regarding Timely submission of SEM data:

As per the mandate of IEGC and other regulations clause no: 6.4.21 "All concerned entities (in whose premises the special energy meters are installed) shall take weekly meter readings and transmit them to the RLDC by Tuesday noon. The SLDC must ensure that the meter data from all installations within their control area are transmitted to the RLDC within the above schedule."

At present, around 93% of the data from various locations is being received by Tuesday. All regional entities are requested to provide the meter data by Tuesday noon please.

Deliberation of the sub-committee

MS, NERPC impressed upon the members about the importance of meter data and requested all concerned utilities to provide the meter data to NERLDC as per stipulated timeline.

Annexure A

List of Participants in the 204th OCC Meeting held on 18.07.2023

SN	Name & Designation	Organization	Contact No.
1	Sh. N.Perme, SE (E)	Ar. Pradesh	09436288643
2	Sh. Pranab Kr. Bordaloi,CGM (O&M),LAR	Assam	09435064494
3	Sh. F.H.Hashmi, DGM, SLDC	Assam	09431170558
4	Sh. Rajashree Sarma, AGM (PP&D)	Assam	09707187661
5	Sh. Indrajit Tahbildar, AGM, APDCL	Assam	08761049486
6	Sh. Nillutpal Baruah, AGM (SO)	Assam	07002885719
7	Sh. Himangshu Das, AGM, APGCL	Assam	09435477842
8	Smti. Barsha Kashyap, Dy.Mgr (SO)	Assam	-
9	Sh. Rachael Pakhumate, AM (MO)	Assam	09678863545
10	Sh. Dipmoni Nath, AM (T)	Assam	09678863545
11	Sh. S.Priyananda, GM (T), MSPCL	Manipur	09612152014
12	Sh. Jayela Wahengbam, DM (SO), MSPCL	Manipur	09856875084
13	Sh. H.Jyrwa, ACE (CZ), MePDCL	Meghalaya	09436103558
14	Sh. M.K.War, EE, SLDC,MePTCL	Meghalaya	09774012496
15	Sh. D.J.Lyngdoh, EE (SM), SLDC, MePTCL	Meghalaya	-
16	Sh. R.lalchawisanga, SDO (T&C)	Mizoram	07640954240
17	Sh. Anil Debbarma, DGM (SLDC)	Tripura	09612589250
18	Sh. M. Talukdar, DGM (E/M)	NEEPCO	09435339690
19	Sh. Pankaj D. Choudhury, DGM (E/M)	NEEPCO	09862585337
20	Sh. Nirup Sarma, DGM (E/M)	NEEPCO AgGBPS	09435339216
21	Sh. P.Borkataki, CM	NERLDC	09402196313
22	Sh. Samar C.De, Sr.GM	NERLDC	09436335369
23	Sh. Sunil Singha, Manager	NERLDC	08414865365
24	Sh. Palash Jyoti Borah, Manager	NERLDC	08761093397
25	Sh. P.Kanungo, CGM (AM)	PGCIL	09436302823
26	Sh. Amit Kumar Verma, CM, NERPSIP	PGCIL	08894701248
27	Sh. Ankit Vaish, DGM	PGCIL	09409305725
28	Sh. Sanjay Garhwal, COO	OTPC	06909366060
29	Sh. Sushil Kumar, Shift-in-Charge	OTPC	08794716817
30	Sh. Kangkan Paul, Manager	NTPC	09435029230
31	Sh. Anil Sah, DGM	NETC	09999055047
32	Sh. Narottam Chakraborty, Project-Head	MUML (Sterlite)	07896022335
33	Sh. Lokendra S. Ranawat, Head- Regulatory	INDIGRID	09311279183

34	Sh.Vivek Karthikeyan, AGM	INDIGRID	08966903034
35	Sh. K.B.Jagtap, Member Secretary	NERPC	-
36	Sh. S.M.Aimol, Director	NERPC	08974002106
37	Sh. Shaishav Ranjan, Dy. Director	NERPC	08787892650
38	Sh. Vikash Shankar, AD-I	NERPC	09455331756







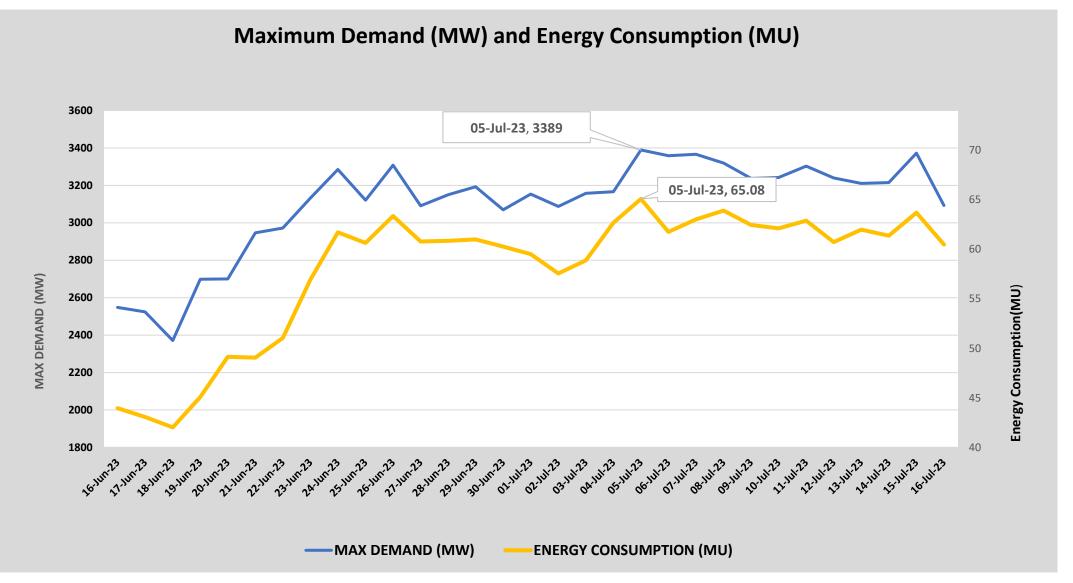
NER GRID PERFORMANCE

For the month June-July 2023



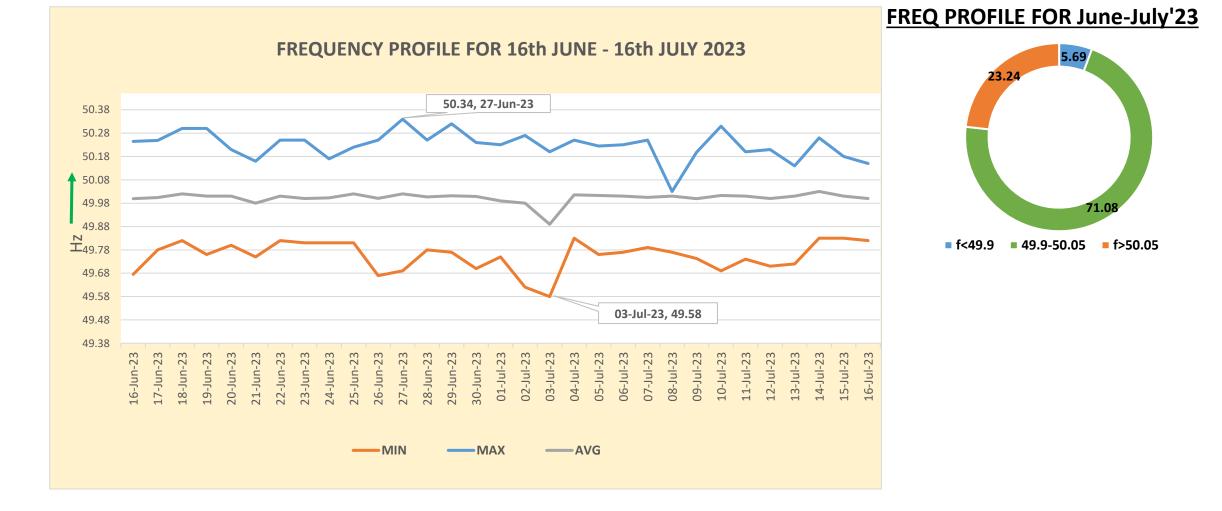


Maximum MW and MU in NER: 16th June – 16th July 2023





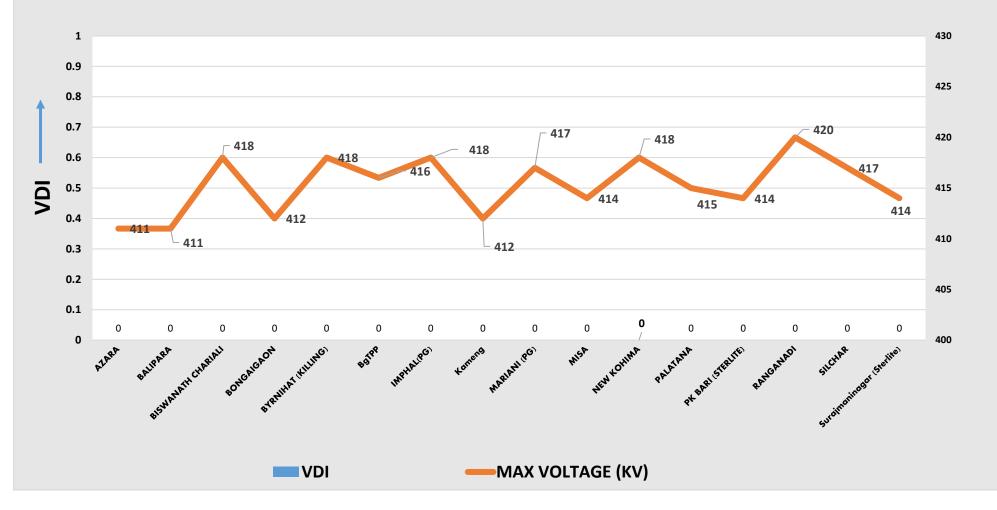






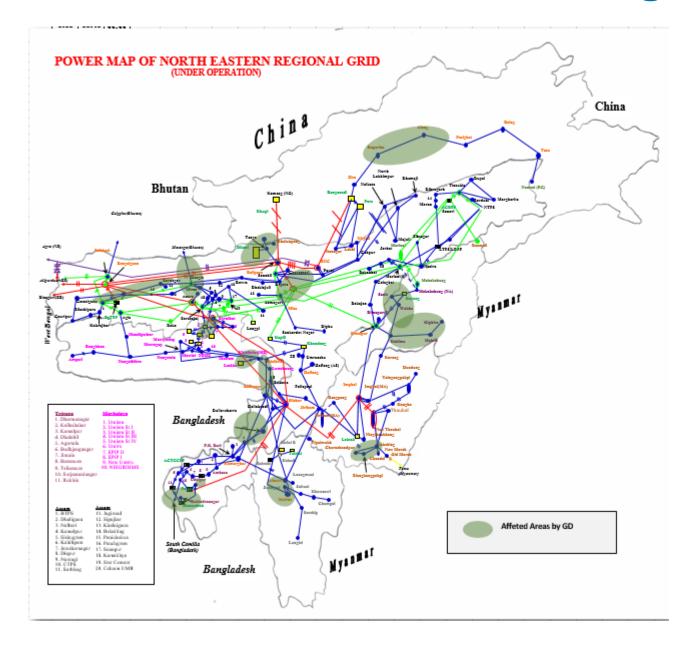
VDI (400 KV) FOR 16th June - 16th July 2023

No. of 400 kV lines kept open for over voltage : 0





Grid Disturbance during June 2023



	NO. OT GD	32
	No. of GI	6
l. No.	Element	
1	132 kV Balipara-Tenga line	
2	132 kV BTPS - Dhaligaon D/C lines	
3	132 kV Daporijo - Ziro line	
4	132 kV EPIP II - New Umtru and 132 kV Umtru - New Umtru lines	
5	132 kV Khleihriat-Lumshnong line	
6	132 kV Kohima-Meluri line	
7	132 kV Loktak - Ningthoukhong, 132 kV l and 132 kV Ningthoukhong - Churachand	
	132 kV Lumshnong - Panchgram, 132 kV 132 kV Badarpur - Panchagram lines	Hailakandi - I
9	132 kV Melriat(PG) -Zuangtui line	
10	132 kV Monarchak - Rokhia and 132 kV F	Rokhia -Agarta
11 12	132 kV Monarchak - Rokhia line	200
	132 kV Myntdu Leshka - Khleihriat D/C li 132 kV Ningthoukhong -	nes
13	Churachandpur 1 line	
	132 kV Rangia-Motonga line	
15 16	220 kV Rangia - BTPS 1 & 132 kV Rangia- 400 kV New Mariani - Misa D/C, 400 kV Silchar - Misa 2, 220 kV Misa - Dimapur	Balipara - Mi

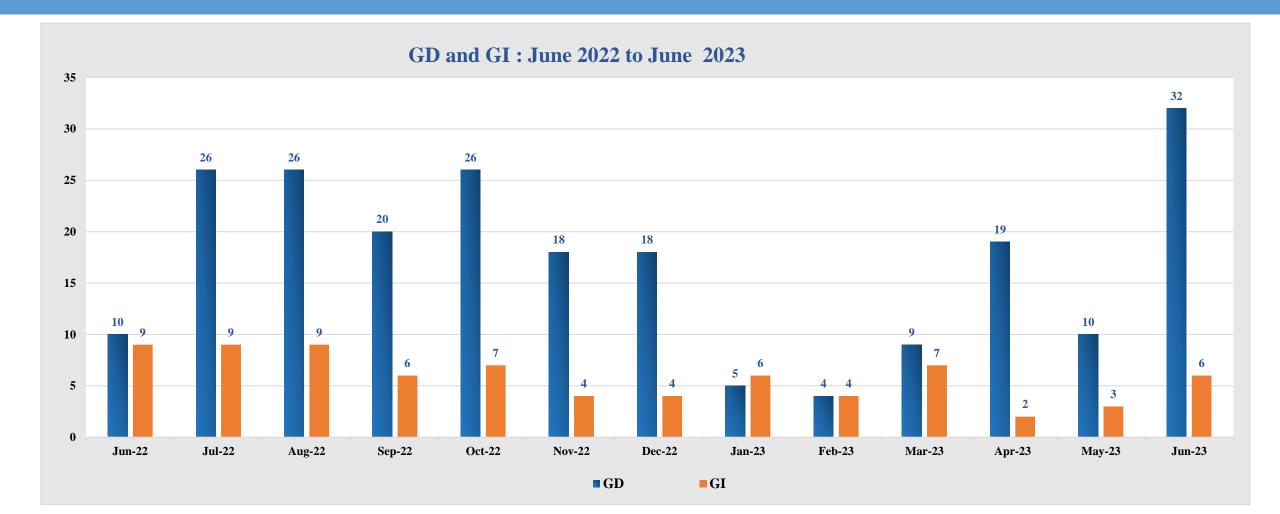
22

No of GD

SI



Grid Disturbance/Incidences for last 12 Months





Projected Hydro Generation Availability

Plants	Reservoir Level in meters (as on 16/07/2023)	MU Content	Present DC (MU)	No of days as per current Generation
Khandong + Kopili STG II	-	-	-	-
Kopili	-	-	-	-
Doyang	314.35	12	0.94	13
Loktak	766.78	19	0.77	25



OCC approved shutdown availing status for the month of June 2023

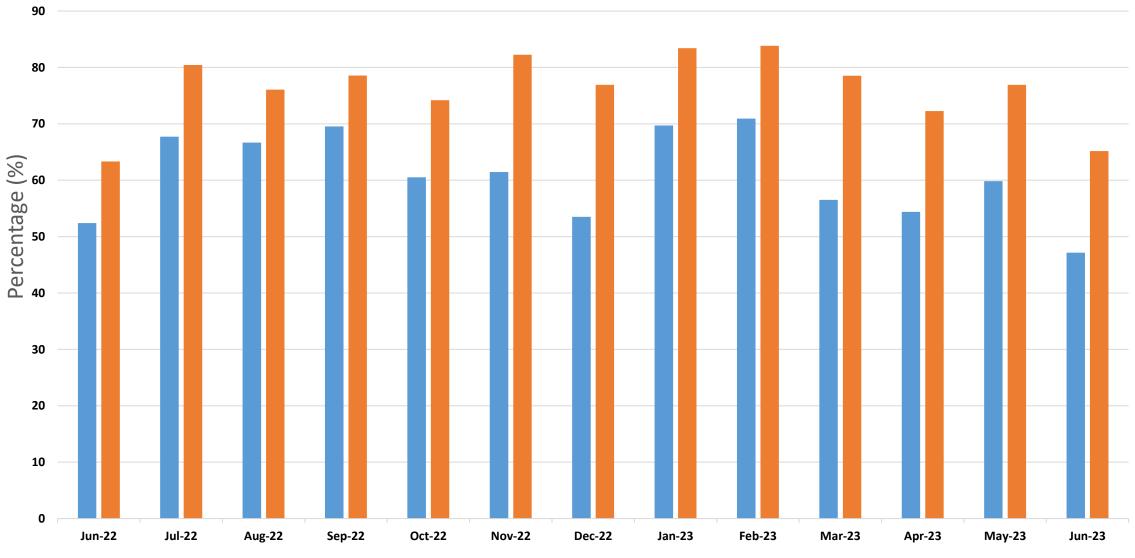
	SUMMARY OF NER OUTAGE											
MONTH	PLANNED IN OCC	APPROVED IN D-1	AVAILED IN REAL TIME	AVAILED VS PLANNED	AVAILED VS APPROVED	DEFFERED BY RLDC DUE TO SYSTEM CONSTRAINT						
June-23	123	89	58	47.15%	65.17%	17						

 12		
E	जिट.	इंडिया
	GRID-	-INDIA

	OCC Approved	D-1 Approved	Availed	Not Availed	RLDC Deferred
NER	123	89	58	30	17
NERTS	57	43	20	23	3
ASSAM	50	33	26	6	14
MANIPUR	0	0	0	0	0
MEGHALAYA	0	0	0	0	0
NAGALAND	4	4	4	0	0
MIZORAM	6	6	6	0	0
TRIPURA	0	0	0	0	0
ARUNACHAL					
PRADESH	1	0	0	0	0
NETC	0	0	0	0	0
KMTL	0	0	0	0	0
NEEPCO	3	1	0	1	0
NTPC	0	0	0	0	0
ОТРС	2	2	2	0	0
INDIGRID	0	0	0	0	0
NHPC	0	0	0	0	0



Approved Shutdown availing trend in percentage

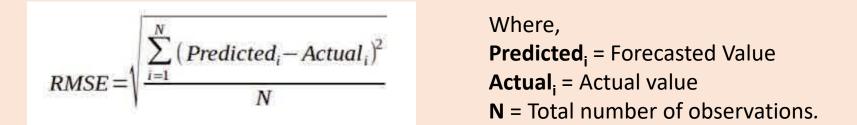


Availed vs OCCM Approved Availed vs D-1 Approved

RMSE of Load forecast for June'23



RMSE of the forecasted Demand by SLDCs Vs Actual Demand met as per SEM by SLDCs (as per IEGC c1.5.3):

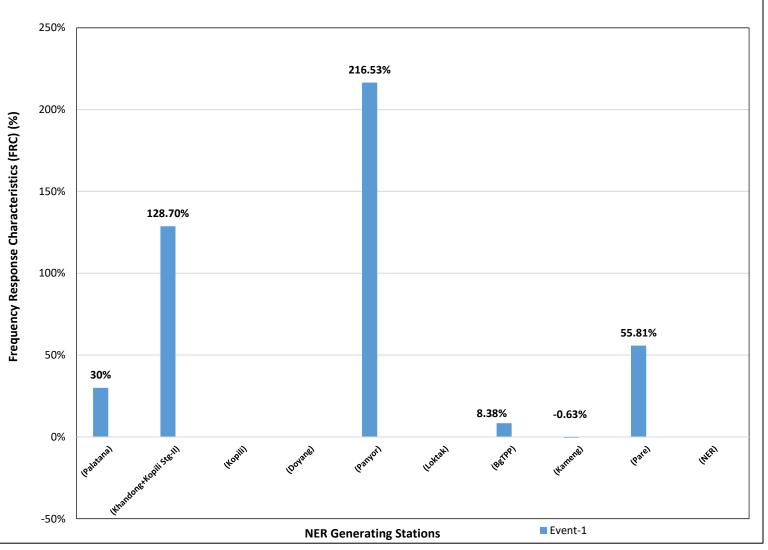


	Arunachal Pradesh	Assam	Manipur	Meghalaya	Mizoram	Nagaland	Tripura
Median	13	11	5	26	15	14	11

FRC of NER Generating Stations for the month of June'2023



Event-1:At 02:28 hrs. on 28-06-2023 400kV Teesta -Rangpo S/C, 400kV Teesta III-Dikchu S/C and 400kV DikchuRangpo S/C tripped simultaneously. Fault was present in 400kV Dikchu-Rangpo S/C & Teesta III -Rangpo line. 400 kV Dikchu-Teesta III tripped from Teesta III end in Back up overcurrent protection. The above tripping led to loss of complete evacuation path for Dikchu and Teesta III substation leading to generation loss of 1304 MW at Teesta III and 106 MW at Dikchu respectively.



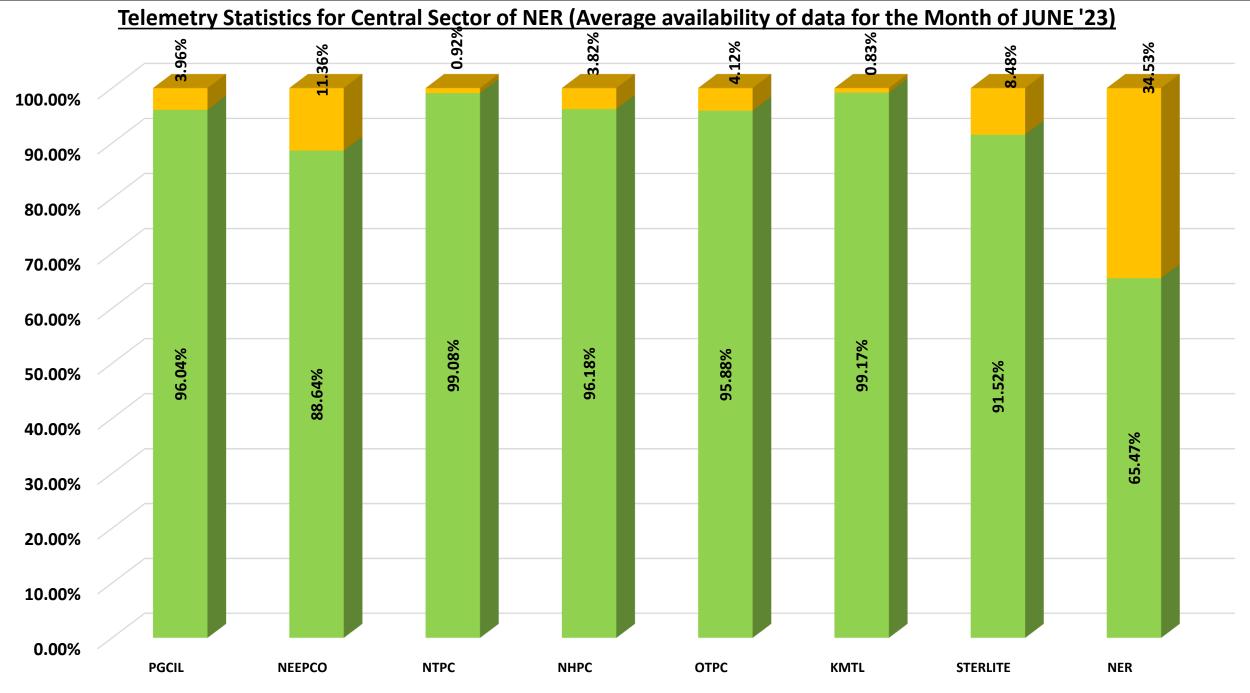
^{*}Generation Stations not in service during the both the event.



Telemetry and Data Availability

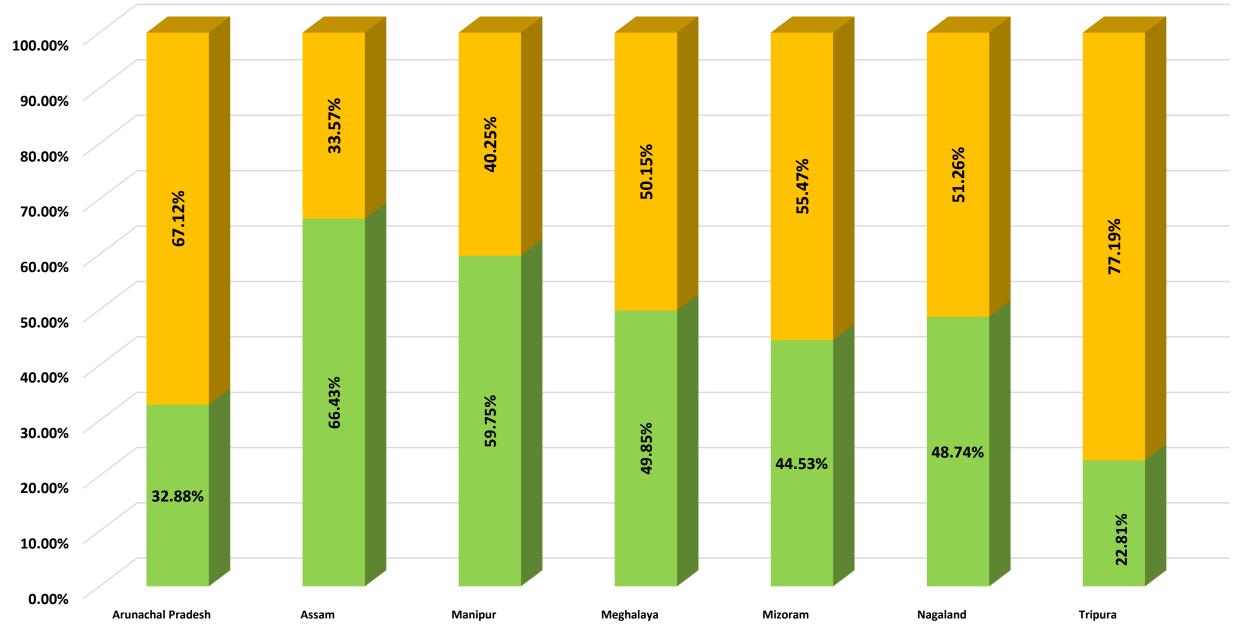
Telemetry Statistics for the Month of JUNE 2023

SI. No.	Utility	Average Total Percentage	Instantaneous Maximum of Total percentage	Average Analog Percentage	Average Digital Availability	Average RTU Availability
1	PGCIL	96.04	98.87	94.19	97.05	94.75
2	NEEPCO	88.64	95.02	88.56	89.07	97.4
3	NTPC	99.08	100	97.43	99.85	97.59
4	NHPC	96.18	98.15	96.25	96.08	96.4
5	OTPC	95.88	99.23	94.63	96.21	95.03
6	KMTL	99.17	100	97.37	99.91	97.63
7	IndiGrid	91.52	100	92.92	90.56	96.85
8	Arunachal Pradesh	32.88	61.18	35.29	31.31	41.21
9	Assam	66.43	74.72	67.68	65.46	79.72
10	Manipur	59.75	63.6	64.05	57.47	70.69
11	Meghalaya	49.85	59.11	67.09	37.7	73.82
12	Mizoram	44.53	46.58	52.85	37.47	76.56
13	Nagaland	48.74	59.38	34.93	59.11	31.55
14	Tripura	22.81	27.26	30.88	16.78	32.09
	NER	65.47	71.56	66.18	65.11	68.91



Percentage Availability
Percentage Non-Availability

Telemetry Statistics for NER States (Average availability of data for the Month of JUNE '23)



Availability (In %age) Non-Availability (In %age)





Annexure B.2

4 5 6 7 8 9 10				17 28 29	30 31	Time	Reason	Remarks
						0000H . 1/00 H		
								SD may be availed. Other circuit to be kept in service. Leshka generation to be maximized. SD may be availed subject to availability of 132 kV Sikhar-Srikona II
		Consent received from	AP				(LDR) Relay with Existing SAS	SD may be availed. Roing to be fed from Chapakhuwa.
		Not Approved in 204th	OCCM (Consent not received from AP)				(LDR) Relay with Existing SAS	The SD may be availed. Tezu and Namsai area will become dark during the SD period.
		Not Approved in 204th	OCCM (Consent not received from AP)			0700Hrs to 1600Hrs	Dismantling of Old Relay, Installtion, wiring Testing & Integration of New P546 (LDR) Relay with Existing SAS	The SD may be availed. Namsai area will become dark during the SD period.
		Convent received from	Micoram			CSD 0700Hrs to 1600Hrs	Dismantling of Old Relay , Installtion, wiring Testing & Integration of New P546 (LDR) Relay with Existing SAS	The SD may be availed subject to outage of 132 kV Kolasib-Badarpur, 132 kV Badarpur-Jiribt line, 132 kV Sikhar-Badarpur DC and 132 kV Badarpur-Karimganj-Kumarghat link.
	Consent received from Mizoram					0700Hrs to 1500Hrs	Dismantling of Old Relay , Installtion, wiring Testing & Integration of New P546 (LDR) Relay with Existing SAS	SD may be availed. Flow in 132 kV Melriat (PG) - Zemabawk line to be kept within 74 MW However, the same can be increase if there is no low voltage issues observed in Mizoram Pow System. Consent from SLDC Mizoram required.
			← − −			CSD 0700Hrs to 1600Hrs	Dismantling of Old Relay, Installtion, wiring Testing & Integration of New P546 (LDR) Relay with Existing SAS	The SD may be availed subject to availability of 132 kV Silchar-Melriat DC.
Intimation to NEEPCO	Concert received from Tripura					0700Hrs to 1700Hrs	Instalation and Commissioning of DTPC Panel, Changing of Flashover Insulator at Loc 26 & 29.	The SD may be availed subject to availability of 132KV R C Nagar - Agartala Line - II TL, 1 kV R C Nagar - Kumarghat line and 132 kV R C Nagar - P K Bari I & II. Consent from SLD
Intimation to NEEPCO	Consent received from Tripura					0700Hrs to 1700Hrs	Instalaltion and Commissioning of DTPC Panel	The SD may be availed subject to availability of 132KV R C Nagar - Agartala Line - I TL, 132 R C Nagar- Kumarghat line and 132 kV R C Nagar - P K Bari I & II. Consent from SLDC Tri
	Consent received from Manipur					09:00Hrs to 16:00Hrs	AMP works	SD may be availed subject to the availability of 132 kV Imphal-Imphal 1 & 3 and Imphal- Thou link
						0900 Hrs to 1800 Hrs	Auto reclosure Switch kept in Non Auto for OPGW Stringing works	A/R may be kept in Non-Auto Mode
	Aug-23							· ·
4 5 6 7 8 9 10	11 12 13 14 15 16 17	19 20 21 22	23 24 25 26 3	17 28 29	30 31			
		Convent received from	Assam Sati	mation to NEEPCO		0800Hrs to 1400Hrs	AMP of Bay Equipments at Mariani AEGCL end	Considering N-1 contingency of 220 kV AGBPP - New Mariani (PG) line, Upper Assam Pow Flow is to be maintained within 260 MW (during solar period) and 250 MW (during non-sole period). Consent from SLDC Assam and NEEPCO to be taken before availing the shutdown
		Convent received from	Asam			0700 Hrs to 1600 Hrs	Adjustment of sag of HTLS conductor due to less clearence in road	The SD may be availed subject to availability of 220KV BTPS-SALAKATI-2
						0900 Hrs to 1500 Hrs	Auto reclosure Switch kept in Non Auto for OPGW works	A/R may be kept in Non-Auto Mode
						0900 Hrs to 1500 Hrs	Auto reclosure Switch kent in Non Auto for PID Scanning works	A/R may be kept in Non-Auto Mode
						0900 Hrs to 1500 Hrs	Auto reclosure to be kent in Non Autofor PID Scenning works	A/R may be kept in Non-Auto Mode
	Aug-23						And recourt to be kept in their function in the beaming works	The may be kept in Hon-Yako Houte
4 5 6 7 8 9 10	11 12 13 14 15 16 17	i 19 20 21 22	23 24 25 26 2	17 28 29	30 31			
						0700 Hrs to 1600 Hrs	Fixing of arieal light in the towers	SD may be availed. Other 3 number of circuits between Bongaigaon and Balipara to be kept in
						0700 Hrs to 1600 Hrs	Fixing of arieal light in the towers	service. SD may be availed. Other 3 number of circuits between Bongaigaon and Balipara to be kept in
	Intimation to NIPC					0700 Hrs to 1600 Hrs	Eiving of gried light in the towers	service. SD may be availed
							5 5	A/R may be kept in Non-Auto Mode
								A/R may be kept in Non-Auto Mode A/R may be kept in Non-Auto Mode
								A/R may be kept in Non-Auto Mode
	Aug-23					0900 His to 1500 His	Auto reclosure to be kept in Non Auto works for PID Scanning works	A/R may be kept in Non-Auto Mode
4 5 6 7 8 9 10	11 12 13 14 15 16 17	i 19 20 21 22	23 24 25 26 2	17 28 29	30 31			
	Coment received from Tripara					0900 Hrs to 1300 Hrs	Bus 1 Shutdown of Surjamaninagar SS required on 22.08.2023 from: 09:00hrs to 13:00Hrs for alignment works of Bus Side Isolator of Comilla I Bay	SD may be avialed subject to outage of no elements
	Consent received from Tripura					0900 Hrs to 1300 Hrs	Bus 1 Shutdown of Suriamaninagar SS required on 22.08.2023 from: 09:00hrs to	SD may be avialed subject to outage of no elements
							13:00ms for alignment works of Bus Side Isolator of Comilia II Bay	
					\rightarrow	CSD 0900 Hrs to 1700 Hrs	FOR RETRO FILLING OF TRANSFORMER OIL WITH NATURAL ESTER OIL	SD may be availed
						0800 Hrs to 1600 Hrs	For Buchholz trip logic modification	SD may be availed. Other 2 ICTs to be kept in service.
	Not Approved in 284th OCCM (Consent not re	ived from Nagaland)				CSD 0800 Hrs to 1600 Hrs	FOR atteding SF6 gas lekage arreasting Works of 132kV Bus-1 at Dimapur SS	SD may be availed. 132 kV Karong-Kohima, 132 kV Kohima-Chiephobozou and 132 kV Kohim Wokha to be in service. Also, consent to be obtained from SLDC Nagaland as Dimaput(NA) w be fed via 132 kV Dimapur (PG) - Dimapur (NA) link 1 only
							The Shutdown of ICT-3 is required for atteding SF6 gas lekage arreasting	
						CSD 0800 Hrs to 1600 Hrs	Wester of 12214/ Due 1 at Discourse CC	SD may be availed. Other 2 ICTs to be kept in service.
						CSD 0800 Hrs to 1600 Hrs CSD 0800 Hrs to 1600 Hrs	Works of 132kV Bus-1 at Dimanur SS	SD may be availed. Other 2 ICTs to be kept in service. SD may be availed
							Works of 132kV Bus-1 at Dimanur SS FOR atteding SF6 gas lekage arreasting Works of 220kV Bus-2 at Dimanur SS	
							Works of 132kV Bus-1 at Dimanur SS	SD may be availed SD may be availed subject to availability of 400/132kV ICT- II at Bongaigaon.
						CSD 0800 Hrs to 1600 Hrs 0800 Hrs to 1600 Hrs 0800 Hrs to 1600 Hrs	Works of 1324V Bus-1 at Dimanur SS FOR attedine SF6 eas lekaee arreastina Works of 220kV Bus-2 at Dimanur SS For Buchholz trip Jogic modification For replacement of defective PD relay	SD may be availed SD may be availed subject to availability of 400/132kV ICT- II at Bongnigaon. SD may be availed. BR-2 shares dia with Balgmar 2. 2kV Voltage change is expected at 4000 <i>Bonavistones</i> 85
						CSD 0800 Hrs to 1600 Hrs 0800 Hrs to 1600 Hrs	Works of 132kV Bus-1 at Dimanur SS FOR atteding _SFB gas lekage arreasting Works of 220kV Bus-2 at Dimaour SS For Buchholz trip logic modification	SD may be availed SD may be availed subject to availebility of 400/132kV ICT- II at Bongaigann.
						CSD 0800 Hrs to 1600 Hrs 0800 Hrs to 1600 Hrs 0800 Hrs to 1600 Hrs	Works of 1324V Bus-1 at Dimanur SS FOR attedine SF6 eas lekaee arreastina Works of 220kV Bus-2 at Dimanur SS For Buchholz trip Jogic modification For replacement of defective PD relay	SD may be availed SD may be availed unlyice to availability of 400132kV KCT- II at Bongnignon. SD may be availed. BR-2 abaree dia with Balgurar 2. 2kV Voltage change is expected at 400 SD may be availed. 4kV Voltage change is expected at 400kV Bongnignon SS. SD may be availed at bV voltage change is expected at 400kV Bongnignon SS.
						CSD 0800 Hrs to 1600 Hrs 0800 Hrs to 1600 Hrs 0800 Hrs to 1600 Hrs 0800 Hrs to 1600 Hrs	Works of 1324V Bus-1 at Dimmur SS FOR Attedine9F6 case leakee arreastinet Works of 220kV Bus-2 at Dimanur SS For Buchholz trip logic modification For replacement of defective PD relay For Buchholz trip logic modification	SD may be availed SD may be availed subject to availability of 400/132kV ICT- II at Bongnington. SD may be availed. BR-2 shares due with Balgura -2. 2kV Voltage change is expected at 400 Dometicate SE SD may be availed. 4 kV Voltage change is expected at 400kV Bongnington SS.
						CSD 0800 Hrs to 1600 Hrs 0800 Hrs to 1600 Hrs 0800 Hrs to 1600 Hrs 0800 Hrs to 1600 Hrs 0900 Hrs to 1600 Hrs	Works of 1324V Bus-1 at Dimmur SS FOR AttedineSF6 easi lekaee arreastinet Works of 220kV Bus-2 at Dimanur SS For Buchhole trip logic modification For replacement of defective PD relay For Buchhole trip logic modification For Change over of Hot spare Unit	SD may be availed SD may be availed subject to availability of 400/132kV KCT-II at Bongaignon. SD may be availed. BR-2 shares dia with Balgura -2, 2kV Voltage change is expected at 400 SD may be availed. 4k VV oblage change is expected at 400kV Bongaignon SS. SD may be availed subject to availability of 400/122kV 31/SMVA ICT-II at Imphal and 132 k Jiribura-Rengpang-Lokiak link.
		A B	VIE 20 VIE 20	Net in the interval inter	Note: 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1	N N </td <td>N N<!--</td--><td>N N</td></td>	N </td <td>N N</td>	N N

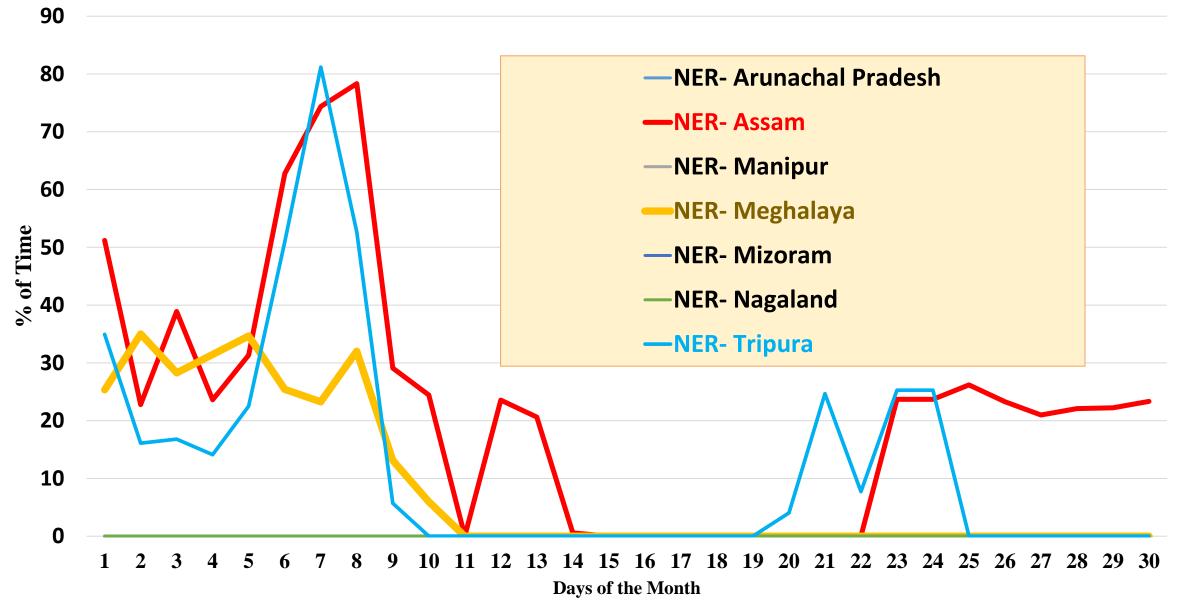
(00) V.D. "	 6 7 8 9 10										
400kV Balipara SS		<u> </u>									
400kV ICT-1 Main Bay at Balipara SS								0	SD 0800 Hrs to 1600 Hrs	Replacement of Auxiliary Switches of ABB make Cicuit Breaker	SD may be availed. 400 kV ICT-1 shares dia with Bus Reactor-1
400KV ICT-1 AND BUS REACTOR-1 TIE BAY at Balipara SS								0	SD 0800 Hrs to 1600 Hrs	Replacement of Auxiliary Switches of ABB make Cicuit Breaker	SD may be availed
400KV KAMENG-1 MAIN BAY at Balipara SS									0800 Hrs to 1600 Hrs	AMP OF BAY EQUIPMENTS	SD may be availed. Kameng-1 shares dia with Bongaigaon-4
400KV BNC-2 MAIN BAY at Balipara SS										Replacement of Auxiliary Switches of ABB make Cicuit Breaker	SD may be availed. BNC-2 shares dia with Misa-2
400KV BNC-2 AND MISA-2 TIE BAY at Balipara SS								0	SD 0800 Hrs to 1600 Hrs	Replacement of Auxiliary Switches of ABB make Cicuit Breaker	SD may be availed
400KV ICT-2 AND BUS REACTOR-2 TIE BAY at Balipara SS									0800 Hrs to 1600 Hrs	AMP OF BAY EQUIPMENTS	SD may be availed
400KV BNC-1 MAIN BAY at Balipara SS								0	SD 0800 Hrs to 1600 Hrs	Replacement of Auxiliary Switches of ABB make Cicuit Breaker	SD may be availed. BNC-1 shares dia with Misa-1
400KV BNC-1 AND Misa-1 TIE BAY at Balipara SS										Replacement of Auxiliary Switches of ABB make Cicuit Breaker	SD may be availed
400KV Misa-1 MAIN BAY at Balipara SS		<u> </u>								Replacement of Auxiliary Switches of ABB make Cicuit Breaker	SD may be availed. BNC-1 shares dia with Misa-1
400KV MISA-2 MAIN BAY at Balipara SS						\longleftrightarrow		0	SD 0800 Hrs to 1600 Hrs	Replacement of Auxiliary Switches of ABB make Cicuit Breaker	SD may be availed. BNC-2 shares dia with Misa-2
400KV BONGAIGAON-2 AND BNC-4 TIE BAY at Balipara SS								0	SD 0800 Hrs to 1600 Hrs	Replacement of Auxiliary Switches of ABB make Cicuit Breaker	SD may be availed
160MVA 220/132KV ICT-1 at Balipara SS		Concatine	ived from AP						0800 Hrs to 1600 Hrs	For Buchholz trip logic modification	SD may be availed subject to availability of ICT-2.Consent from AP required. No power su
160MVA 220/132KV ICT-2 at Balipara SS		Consent wes	ived from AP						0800 Hrs to 1600 Hrs	For Buchholz trip logic modification	SD may be availed subject to availability of ICT-1.Consent from AP required. No power su
50MVAR 400KV BUS REACTOR-1 at Balipara SS									0800 Hrs to 1600 Hrs	For Buchholz trip logic modification	SD may be availed. 2 kV Voltage change is expected at 400kV Balipara SS.
50MVAR 400KV BNC-1 LR at Balipara SS									0800 Hrs to 1600 Hrs	For Buchholz trip logic modification	SD may be availed. 2 kV Voltage change is expected at 400kV Balipara SS.
400kV Misa SS											
400kV Bus Reactor - 1 Bay at Misa SS									0800 Hrs to 1600 Hrs	AMP of Bay Equipments	SD may be availed. 2 kV Voltage change is expected at 400kV Balipara SS. BR-1 shares
400kV Balipara - 2 Main 2 Bay at Misa SS									0800 Hrs to 1600 Hrs	AMP of Bay Equipments	Balinara -1 SD may be availed. Balipara-2 shares dia with 500 MVA ICT-1
400/220kV 500MVA ICT-1 at Misa SS										Fine tuning of CSD	SD may be availed subject to availability of ICT II & III at Misa .
400kV Silchar SS											
400kV Azara Main Bay at Silchar SS									0900 Hrs to 1600 Hrs	AMP of Bay Equipments	SD may be availed. Azara shares dia with 200 MVA ICT-1
400kV Brynihat & Bus Reactor - 1 Tie Bay at Silchar SS									0900 Hrs to 1600 Hrs	AMP of Bay Equipments	SD may be availed
400kV Brynihat Main Bay at Silchar SS									0900 Hrs to 1600 Hrs	AMP of Bay Equipments	SD may be availed. Brynihat shares dia with 63 MVAR Bus reactor-1
132kV Bus - 1 at Silchar SS		Concert rect	ived from Assam						0900 Hrs to 1600 Hrs	Jumper change in 132kV Srikona- 1 and Badarpur - 1, all elements will remain in	SD may be availed
132kV Bus Coupler at Silchar SS										charge via Bus-2 Panel wiring checking after removal of 132kV PK Bari and Imphal Bays	SD may be availed
800kV HVDC BNC SS									0900 Hrs to 1600 Hrs	Panel wring checking after removal of 132kV PK Bari and Imphal Bays	SD may be availed
400kV Bus - 2 B at BNC		Concative	ired from NLDC						0900 Hrs to 1600 Hrs	AMP of Bus. All feeders will be charged via Bus - 1	SD may be availed subject to no outage of elements. B/R-1 & 2, 400 kV Ranganadi DC, Balguran 1,2,3,4, Filter Bank-1 & 2 and HYDC Pole-2 will be connected via Bas section-1B during the SD period of Bas 3B. Dured Re-N I contingency of Bas 1B, power will flow via dia viz. 400 kV Balgura1 - ice bay-400 kV Ranganadi Jat BNC. Therefore, SD may be after proper co-ordination with NLDC.
											dia tai too kit banjana i tu day too kit taiganaa tai Nic. Na taiteetee, oo nay de
63 MVAr LS-1 Line Reactor at 400kV BNC									0800 Hrs to 1700 Hrs	For Buchholz trip logic modification	SD may be availed. 2 kV Voltage change is expected at 400kV Balipara SS.
63 MVAr LS-1 Line Reactor at 400kV BNC Name of Element			Aug-23	3					0800 Hrs to 1700 Hrs Time	For Buchholz trip logic modification Remarks	
Name of Element	6 7 8 9 10	11 12 13 1	Aug-22 4 15 16	3 17 18 19	20 21 22	23 24 25 26	27 28 29	30 31			
Name of Element Interregional/International		11 12 13 1	Aug-22 4 15 16	3 17 18 19	20 21 22	23 24 25 26	27 28 29	30 31	Time	Remarks	SD may be availed. 2 kV Voltage change is expected at 400kV Balipura SS.
Name of Element Interregional/International 400kV Bongaigaon - New Siliguri - 1 TL along with LR	Consent required from NLDC			3 17 18 19	20 21 22	23 24 25 26	27 28 29	30 31	Time 0900 Hrs to 1700 Hrs	Remarks For Buchholz trip logic modification	SD may be availed. 2 kV Voltage change is expected at 400kV Balipara SS.
Name of Element Interregional/International 400kV Bongsigaon - New Siliguri - 1 TL along with LR 132kV Surjanninagar - Consila # I TL			Aug-23	3 17 18 19	20 21 22	23 34 25 26	27 28 29	30 31	Time 0900 Hrs to 1700 Hrs 0700Hrs to 1700Hrs	Remarks For Buchholz trip logic modification AMP of Bay, Re-signment of Dass Side loolator, Re-installation of LA base insulators, SD Astron Polered Restriction of Line.	SD may be availed. 2 kV Voltage change is expected at 400kV Balipara SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the shatdown.
Name of Element Interregional/International 400kV Bongsigaon - New Siliguri - 1 TL along with LR 132kV Surjanninagar - Consila # I TL	Consent required from NLDC	Content proc		3 17 18 19	20 21 22	23 24 25 26	27 28 29	30 31	Time 0900 Hrs to 1700 Hrs	Remarks For Buchlolz trip logic modification AMP of Bay, Re-digment of Bas Side loolator, Re-installation of LA base	SD may be availed. 2 kV Voltage change is expected at 400kV Balipara SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the shutdown.
Name of Element Interregional/International 400kV Bongaigaon - New Siliguri - 1 TL along with LR 122kV Surjanninagar - Comilla # 1 TL 122kV Surjanninagar - Comilla # 11 TL	Consent required from NLDC			3 17 18 19 17 18 19 17 18 19	20 21 22	23 24 25 26 23 24 25 26	27 28 29	30 31 30 31 30 31	Time 0900 Hrs to 1700 Hrs 0700Hrs to 1700Hrs	Remarks For Buchholz trip logic modification AMP of Bay, Re-signment of Dass Side loolator, Re-installation of LA base insulators, SD Astron Polered Restriction of Line.	SD may be availed. 2 kV Voltage change is expected at 400kV Bulipara SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dutudown. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before
Name of Element Interregional/International 400kV Bongsigaon - New Siligari - 1 TL along with LR 132kV Surjaminagar - Comilla # 1 TL 132kV Surjaminagar - Comilla # 11 TL SHUTDOWNS PROPOSED BY ASSAM	Consent required from NLDC	Content proc		3 17 18 19 	20 21 22	23 24 25 26 23 24 25 26 23 24 25 26	27 28 29 27 28 29 27 28 29 27 28 29 27 28 29	30 31	Time 0900 Hrs to 1700 Hrs 0700Hrs to 1700Hrs	Remarks For Buchholz trip logic modification AMP of Bay, Re-signment of Dass Side loolator, Re-installation of LA base insulators, SD Astron Polered Restriction of Line.	SD may be availed. 2 kV Voltage change is expected at 400kV Balipara SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dutulorm. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dutulorm. SD may be availed. 12 kV Dimapur - Bolagin - Sarupathar - Golaghat link to be kept in
Name of Element Interregional/International 400kV Bongsigaon - New Siliguri - 1 TL along with LR 132kV Surjanninagar - Comilla # 1 TL 132kV Surjanninagar - Comilla # 11 TL	Consent required from NLDC	Content proc		3 17 18 19 17 18 19 17 18 19	20 21 22 20 21 22 20 21 22	23 24 25 26 24 25 26 25 26 26 26 26 26 26 26 26 26 26 26 26 26 2	27 24 29 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	30 31 3	Time 0900 Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs	Remarks For Buchholz trip logic modification AMP of Bay, Re-signment of Das Side loolator, Re-installation of LA base insulators, SD Auture Defect Rectification of Line. AMP of Bay, Re-alignment of Bas Side loolator, Re-installation of LA base insulators, SD Nature Defect Rectification of Line.	SD may be availed. 2 kV Voltage change is expected at 400kV Bulipara SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dutudown. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dutudown. SD may be availed. 12 kV Dimapur - Bolagin - Sarupathar - Golghatt link to be kept in
Name of Element Interregional/International 400k/ Bongaigano - New Siligari - 1 TL along with LR 132k/ Surjamninagar - Comilla # 1TL Surjamninagar - Comilla # 1TL Surjamninagar - Comilla # 1TL SURDOWNS PROPOSED BY ASSAM 132k/ GOLAGHAT-MARIANI 132kV GOLAGHAT-SARUPATHAR 132kV MAPUR-BOKJAN	Consent required from NLDC	Content proc		3 17 18 19 17 18 39 17 18 39 17 18 39	20 21 22	33 34 35 36 33 34 35 36 33 34 35 36	27 24 29 27 24 29 28 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20	30 31 3 30 31 2	Time 0900 Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 8:00-16:00	Remarks For Backholz trip logic modification APP of Bay, Re-singement of Bass Solds bolter, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. ANP of Bay, Re-adigment of Bas Solds bolter, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. CORRIDOR CLEANING	SD may be availed. 2 kV Voltage change is expected at 400kV Buliparn SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC. India and SLDC Tripura may be taken before the abadron. SD may be availed. Consent from NLDC. India and SLDC Tripura may be taken before the abadron. SD may be availed. Consent from NLDC. India and SLDC Tripura may be taken before star started to the started st
Name of Element Interregional/International 400k/ Bongiagon - New Siligari - 1 TL along with LR 132k/ Surjaminagar - Comill # 11 TL 132k/ Surjaminagar - Comill # 11 TL SIUTDOWNS PROPOSED BY ASSAM 132kV GOLAGHAT-MARIAN 132kV OGLAGHAT-MARIAN 132kV OGLAGHAT-SARIPATHAR 132kV DMAPUR-BOKAJAN 132kV BOKAJAN-SARUPATHAR	Consent required from NLDC	Content proc		3 17 18 19 17 18 19 17 18 19	20 21 22 20 21 22 20 21 22 20 21 22 20 21 22	11 24 25 26 11 1 1 1 1 12 34 35 36 35 13 34 35 36 36 14 1 1 1 1	27 24 29 	30 31 30 31	Time 0900 Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 8:00-16:00 8:00-16:00	Remarks For Buckholz trip logic modification APP of Bay, Re-singument of Bas Solds bolter, Re-installation of LA base insulators, SD Nature Defect Restification of Line. ANP of Bay, Re-singument of Bas Solds bolter, Re-installation of LA base insulators, SD Nature Defect Restification of Line. CORRIDOR CLEANING CORRI	SD may be availed. 2 kV Voltage change is expected at 400kV Buliparn SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC. India and SLDC Tripura may be taken before the abadron. SD may be availed. Consent from NLDC. India and SLDC Tripura may be taken before the abadron. SD may be availed. Consent from NLDC. India and SLDC Tripura may be taken before star started to the started st
Name of Element Interregional/International 400kV Bongsigson - New Siliguri - 1 TL along with LR 132kV Surjamminagar - Comilla # ITL 132kV GOLAGHAT-MARIANI 132kV GOLAGHAT-SARUPATHAR 132kV Nagawa-SARUPATHAR 132kV Nagawa-SARUPATHAR 12kV Surgian-Sonubil dc_1	Consent required from NLDC	Content proc		3 37 18 19 17 18 19 17 18 19 17 18 19 17 18 19 17 18 19	20 21 22 20 21 20 21			30 31 3 30 31 3 31 3	Time 0900 Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 8:00-16:00 8:00-16:00 9:00-16:00 8:00-16:00	Remarks For Buchholz trip logic modification AMD of Day, Re-diagnment of Bas Side loadner, Re-installation of LA base AMD of Day, Re-diagnment of Bas Side loadner, Re-installation of LA base AMD of Day, Re-diagnment of Bas Side loadner, Re-installation of LA base AMD of Day, Re-diagnment of Bas Side loadner, Re-installation of LA base RAM of Day, Re-diagnment of Bas Side loadner, Re-installation of LA base CORRIDOR CLEANING	SD may be availed. 21 kV Voltage change is expected at 400kV Balipun SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the datadom. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the datadom. SD may be availed. 122 kV Dimapter - Bolagian - Staupathar - Golaghat Jak to be kept in SD may be availed. 132 kV Dimapter - Bolagian - Staupathar India and 132 kV Mariani - C SD may be availed. 132 kV Mariani - Codeghat - Staupathar India and 132 kV Mariani - C SD may be availed. 132 kV Mariani - Codeghat - Staupathar India and 132 kV Mariani - C SD may be availed. 132 kV Mariani - Codeghat - Staupathar India and 132 kV Mariani - SD SD may be availed. 132 kV Mariani - Codeghat - Staupathar India and 152 kV Mariani - SD Maria I - Codeghat - Staupathar India and 152 kV Mariani - SD SD may be availed subject to availabeling of 220 kV Stamagaries-Sonde-2
Name of Element Interregional/International 400k/ Bongiagaon - New Siligari - 1 TL along with LR 132k/ Surjaminagar - Comilla # 1TL 132k/ Surjaminagar - Comilla # 1TL SHUTDOWNS PROPOSED BY ASSAM 132kV GOLAGHAT-MARIANI 132kV GOLAGHAT-MARIANI 132kV DIOAUNE-BOKJAN 132kV DIOAUNE-BOKJAN 132kV DIOAUNE-BOKJAN 132kV Sangari-Sonabil dk.1 200k/ Sangari-Sonabil dk.2	Consent required from NLDC		ived from Tripers ived from Tr	3 17 18 19 18 19 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19				30 31 3 30 31 3 30 31 4 30 31 4 30 31 4 30 31 4 30 31 4 30 4 31 4 31 4 31 4 31 4 31 4 31 4 31 4 31	Twe 0900 Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 8:00-16:00 8:00-16:00 9:00-16:00 8:00-16:00 8:00-16:00	Remarks For Backholz trip logic modification AMP of Bay, Re-alignment of Basic lootser, Re-installation of LA base AMP of Bay, Re-alignment of Basic lootser, Re-installation of LA base malators, SD Nature Defect Restification of Line. AMP of Bay, Re-alignment of Basic lootser, Re-installation of LA base malators, SD Nature Defect Restification of Line. CORRIDOR CLEANING	SD may be availed. 2 kV Voltage change is expected at 400kV Balipun SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the mathematical structure of the structure o
Name of Element Interregional/International 400k/ Bongsigano - New Siligari - 1 TL along with LR 132k/ Susjamminagar - Comill # J TL 132k/ Susjamminagar - Comill # J TL 132k/ Susjamminagar - Comill # J TL 132k/ COLACHAT-SARUPATHAR 132k/ COLACHAT-SARUPATHAR 132k/ DOLACHAT-SARUPATHAR 132k/ DOLACHAT-SARUPATHAR 132k/ DOLACHAT-SARUPATHAR 132k/ Susanguri-Sonshil kt, 1 22k/ V Samaguri-Sonshil kt, 2 22k/V Samaguri-Mariani kt, 2	Consent required from NLDC		ited from Tripera ited from Tri	3 17 16 19 19 19 19 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	20 31 22 20 31 22 20 32 20 32 20 32 20 42 20 4 20			30 31 3 30 31 4 30 31 4 30 31 4 30 31 4 31 4 31 4 31 4 31 4 31 4 31 4 31 4	Twe 0900 Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 8:00-16:00 9:00-16:00 9:00-16:00 8:00-16:00 8:00-16:00	Remarks For Buchholz trip logic modification AMP of Bay, Re-singement of Bas Side lootter, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-singement of Bas Side lootter, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-singement of Bas Side lootter, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. CORRIDOR CLEANING	SD may be availed. 2 kV Voltage change is expected at 400kV Bulipan SS. SD may be availed. SD may be availed. SD may be availed. DSD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the shaddwom. SD may be availed. IS2 kV Diampar - Bolajan - Sarapathar - Golaghat link to be keep in SD may be availed. 132 kV Diampar - Bolajan - Sarapathar - Golaghat link to be keep in SD may be availed. IS2 kV Diampar - Bolajan - Sarapathar - Golaghat I bola to be keep in SD may be availed. 132 kV Diampar - Bolajan - Sarapathar - Golaghat - Sarapathar link and IS2 kV Mariani - Golaghat - Sarapathar link and IS2 kV Mariani - Golaghat - Sarapathar link and IS2 kV Mariani - Golaghat - Sarapathar link and IS2 kV Mariani - Golaghat - Sarapathar line as SD may be availed subject to the availability of Z20 kV Sarapatis-Sonab-1 SD may be availed. Apperent, the Upper Assam power patient is connected with 220 kV IS
Name of Element Interregional/International 400kV Bongaigon - New Siligari - 1 TL along with LR 132kV Surjamninagar - Comilla # I TL 132kV OLAGHAT-MARIAN 132kV OLAGHAT-SARUPATHAR 132kV Samguri-Sombil dk, 1 220kV Samaguri-Sombil dk, 2 220kV Samaguri-Sombil dk, 2 220kV Samaguri-Sombil dk, 2 220kV Samaguri-Marini dk, 2	Consent required from NLDC		ived from Tripers ived from Tr					30 31 2 30 31 3 30 31 31 31 31 31 31 31 31 31 31 31 31 31	Twe 0900 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 8:00-16:00 9:00-16:00 9:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00	Remarks For Bachholz trip logic modification AMP of Bay, Re-alignment of Basis Side locator, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Basis Side locator, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. CORRIDOR CLEANING	SD may be availed. 21 kV Voltage change is expected at 400kV Balipun SS. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dutations. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dutations. SD may be availed. 122 kV Dimmapur – Bolagian – Sarupathar – Golaghat link to be kept in SD may be availed. 122 kV Dimmapur – Bolagian – Sarupathar – Golaghat link to be kept in SD may be availed. 122 kV Dimmapur – Bolagian – Sarupathar – Golaghat link to be kept in SD may be availed. 122 kV Dimmapur – Bolagian – Sarupathar link and 132 kV Marinin -(SD may be availed subject to availability of 122 kV Marinin -Golaghat – Sarupathar link to be kept in SD may be availed subject to the availability of 220 kV Sarupatir-Sonab-2 SD may be availed. Appresent, the Uper Asam power patients is connected with 220 kV. String to the State of th
Name of Element Interregional/International 400k/ Bongiagaon - New Siligari - 1 TL along with LR 132k/ Surjaminagar - Comilla # 1TL 132k/ Surjaminagar - Comilla # 1TL 132k/ Surjaminagar - Comilla # 1TL SHUTDOWNS PROPOSED BY ASSAM 132kV GOLAGHAT-MARIANI 132kV GOLAGHAT-MARIANI 132kV BORAJNE-BOKJAN 132kV BOKAJNE-BOKJAN 132kV BOKAJNE-BOKJAN 132kV Samageri-Sonabil dk 1 204k/ Samageri-Mariani dk 2	Consent required from NLDC		ited from Tripera ited from Tri					30 31 7 30 31 7 30 31 7 30 31 7 30 31 7 31 7 31 7 31 7 31 7 31 7 31 7 31 7	Twe 0000 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs 07	Remarks For Buchholt trip logic modification AMP of Bay, Re-alignment of Bus Side boltner, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Bas Side boltner, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Bas Side boltner, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. COREDOR CLEANING CORRIDOR CLEANING PREVENTIVE MANTENANCE	SD may be availed. 21 kV Voltage change is expected at 400kV Balipara SS. SD may be availed. SD may be availed. SD may be availed. SD may be availed. Consent from NLD.C. India and SLD.C. Tripara may be taken before the abalicon. SD may be availed. Consent from NLD.C. India and SLD.C. Tripara may be taken before the abalicon. SD may be availed. Consent from NLD.C. India and SLD.C. Tripara may be taken before the abalicon. SD may be availed. I 32 kV Diamapur - Bokajan - Sarupathar - Golaghat Hist to be kept in SD may be availed. 132 kV Diamapur - Bokajan - Sarupathar - Golaghat K to be kept in SD may be availed. 132 kV Diamapur - Bokajan - Sarupathar - Golaghat K to be kept in SD may be availed. 132 kV Diamapur - Golaghat - Sarupathar - Bokajan finit to be kept in SD may be availed. 132 kV Mariani - Golaghat - Sarupathar - Bokajan finit to be kept in SD may be availed. subject to the availability of 21 20 kV Sarupatir-Sonabi-1 SD may be availed. Appendent, the Upper Assam power system is connected with 220 kV SD my be availed. Appendent, the Upper Assam power system is connected with 220 kV SD my be availed. Appendent, the Upper Assam power system is connected with 220 kV SD my be availed. Subject to availability of 220 kV Sarupatir-Sonabi-1 SD my be availed subject availability of 220 kV Sarupatir-Sonabi-1 SD my be availed. Appendent, the Upper Assam power system is connected with 220 kV SD my be availed subject availability of 220 kV Sarupatir-Sonabi-1 SD my be availed subject availability of 220 kV Sarupatir-Sonabi-1 SD my be availed subject availability of 220 kV Sarupatir-Sonabi-1 SD my be availed subject availability of 220 kV Sarupatir-Sonabi-1 SD my be availed subject availability of 220 kV Sarupatir-Sonabi-1 SD my be availed subject availability of 220 kV Sarupatir-Sonabi-1 SD my be availed subject availability of 220 kV Sarupatir-Sonabi-1 SD my be availed subject availability of 220 kV Sarupatir-Sonabi-1 SD my be availed subject availability of 220 kV Sarupatir-Sonabi-1 SD my be availed subject availa
Name of Element Interregional/International 400k/ Bengaigaon - New Siligari - 1 TL along with LR 132k/ Surjaminagar - Conilla # ITL SHUTDOWNS PROPOSED BY ASSAM 132k/ OCLACHAT-MARIAN 132k/ OCLACHAT-SARIPATHAR 132k/ DRAAN-SARIPATHAR 132k/ BOKAIAN-SARIPATHAR 20k/ Samaguri-Mariani dk.1 20k/ Samaguri-Mariani dk.2 20k/ Samaguri-Mariani dk.2 20k/ VARAILA-BTPS CKT 1 20k/ KANGLA-BTPS CKT 1 20k/ KANGLA-BTPS CKT 1	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0900 Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 8:00-16:00 9:00-16:00 9:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00	Remarks For Buchholz trip logic modification AMP of Bay, Re-signment of Bas Side lootser, Re-installation of LA base AMP of Bay, Re-signment of Bas Side lootser, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-signment of Bas Side lootser, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. CORRIDOR CLEANING REVENTIVE MANTENANCE REVENTIVE MANTENANCE	SD may be availed. 2 kV Voltage change is expected at 400kV Bulipan SS. SD may be availed. SD may be availed. SD may be availed. SD may be availed. SD may be availed. Consent from NLD.C. (Infain and SLDC Tripura may be taken before the shutdown. SD may be availed. IS2 kV Dimapter - Bolagin - Sampathar - Golaghar link to be keep in SD may be availed. 132 kV Dimapter - Bolagin - Sampathar - Golaghar Link to be keep in SD may be availed. IS2 kV Dimapter - Bolagin - Sampathar - Golaghar Link to be keep in SD may be availed. IS2 kV Dimapter - Bolagin - Sampathar - Golaghar Link to be keep in SD may be availed. IS2 kV Dimapter - Bolagin - Sampathar - Golaghar Link to be keep in SD may be availed. IS2 kV Dimapter - Bolagin - Sampathar - Golaghar Link to be keep in SD may be availed alayiest to availability of 220 kV Samgari-Somb ³⁻¹ SD may be availed. Appected the availability of 220 kV Samgari-Somb ³⁻¹ SD may be availed. Appected the ID per Assam power system is connected with 220 kV SD may be availed. Appected the ID per Assam power system is connected with 220 kV SD may be availed subject to availability of 220 kV Samgari-Somb ³⁻¹ SD may be availed. Appected the ID per Assam power system is connected with 220 kV SD may be availed subject availability of 220 kV IST-BarAARC KCT III. SPS at Bargai SD may be availed subject availability of 220 kV IST-BarAARC KCT III. SPS at Bargai SD may be availed subject availability of 220 kV IST-BarAARC KCT III. SPS at Bargai SD may be availed subject availability of 220 kV IST-BarAARC KCT III. SPS at Bargai SD may be availed subject availability of 220 kV IST-BarAARC KCT III. SPS at Bargai SD may be availed subject availability of 220 kV IST-BARAARC KCT III. SPS at Bargai SD may be availed subject availability of 220 kV IST-BARAARC KCT III. SPS at Bargai SD may be availed subject availability of 220 kV IST-BARAARC KCT III. SPS at Bargai SD may be availed subject availability of 220 kV IST-BARAARC KCT IIII SPS at Bargai SD may be availed subject availability of 220 kV IST-BARA
Name of Element Interregional/International 400kV Bongsigson - New Siligari - 1 TL along with LR 132kV Surjaminagar - Comilla # I TL 132kV Surjaminagar - Comilla # I TL 132kV Surjaminagar - Comilla # II TL SHUTDOWNS PROPOSED BY ASSAM 132kV OLAGHAT-MARINN 132kV GOLAGHAT-SARUPATHAR 132kV BOKANN-SARUPATHAR 132kV Samaguri-Sonabil ekt_1 20kV Samaguri-Mariani ekt_2 20kV Samaguri-Mariani ekt_2 20kV Samaguri-Mariani ekt_2 20kV Kanguri-Marini ekt_2 <t< td=""><td>Consent required from NLDC</td><td></td><td>ited from Tripera ited from Tri</td><td></td><td></td><td></td><td></td><td></td><td>Twe 0900 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 8:00-16:00 9:00-16:00 9:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00</td><td>Remarks For Bachholz trip logic modification AMP of Bay, Re-alignment of Basis Models Mark of Day, Re-alignment of Basis Models insulators, SD Nature Defect Rectification of Line. 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SD may be availed. 122 kV Dimargar - Bolagian - Sampathar - Golaghat - Balaya Balaya - Sampathar - Bolagian list to be kept in SD may be availed. 122 kV Marriani - Golaghat - Sampathar - Bolagian list to be kept in SD may be availed. 122 kV Marriani - Golaghat - Sampathar - Bolagian list to be kept in SD may be availed ablighet to the availability of 220 kV Samagari-Sonab-1. SD may be availed ablighet to the availability of 220 kV Samagari-Sonab-1. SD may be availed ablighet to the availability of 220 kV Samagari-Sonab-1. SD may be availed subject availability of 220 kV Samagari-Sonab-1. SD may be availed subject availability of 220 kV Samagari-Sonab-1. SD may be availed subject availability of 220 kV Samagari-Sonab-1. SD may be availed subject availability of 220 kV Samagari-Sonab-1. SD may be availed subject availability of 220 kV SITPS-RANGIA CKT II. SPS at Rangia SD may be availed subject availability of 220 kV SITPS-RANGIA CKT II. 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Consent from NLDC, India and SLDC Tripura may be taken before the shutdown. SD may be availed. 122 kV Dimargar - Bolagian - Sampathar - Golaghat - Balaya and SLDC Tripura may be taken before the shutdown. SD may be availed. 122 kV Dimargar - Bolagian - Sampathar - Golaghat - Balaya Balaya - Sampathar - Bolagian list to be kept in SD may be availed. 122 kV Marriani - Golaghat - Sampathar - Bolagian list to be kept in SD may be availed. 122 kV Marriani - Golaghat - Sampathar - Bolagian list to be kept in SD may be availed ablighet to the availability of 220 kV Samagari-Sonab-1. SD may be availed ablighet to the availability of 220 kV Samagari-Sonab-1. SD may be availed ablighet to the availability of 220 kV Samagari-Sonab-1. SD may be availed subject availability of 220 kV Samagari-Sonab-1. SD may be availed subject availability of 220 kV Samagari-Sonab-1. SD may be availed subject availability of 220 kV Samagari-Sonab-1. 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Name of Element Interregional/International 400W Bongiagon - New Siligari - 1 TL along with LR 132W Surjaminagar - Comilla # 1TL 132W Solucita 132W OOLAGHAT-MARIANI 132W DORAPHE-BOKJAN 132W BORAJAN-SARUPATHAR 200W Samageri-Mariani dk 1 200W Samageri-Mariani dk 2 200K V RANGLA-BTPS CKT 1 200KV RANGLA-BTPS CKT 1 200KV RANGLA-BTPS CKT 2 200KV RANGLA-BTPS CKT 2 200KV RANGLA-BTPS CKT 1	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0000 Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 8:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 8:00-1	Remarks For Buchholt trip logic modification AMP of Bay, Re-alignment of Basic loolter, Re-installation of LA base MAP of Bay, Re-alignment of Basic Bolter, Re-installation of LA base mulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Basic Bolter, Re-installation of LA base mulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Basic Bolter, Re-installation of LA base CORRIDOR CLEANING PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE CORRIDOR CLEANING	SD may be availed. 21 kV Voltage change is expected at 400kV Balipun SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC: Iofin and SLDC Tripura may be taken before the dualors. SD may be availed. Consent from NLDC: Iofin and SLDC Tripura may be taken before the dualors. SD may be availed. 122 kV Dimapur - Bolagin - Sampathar - Golaghat link to be leept in SD may be availed. 122 kV Dimapur - Bolagin - Sampathar Ink and 132 kV Marinin - G SD may be availed. 122 kV Dimapur - Bolagin - Sampathar Ink and 132 kV Marinin - G SD may be availed. 122 kV Dimapur - Bolagin - Sampathar Ink and 132 kV Marinin - G SD may be availed. 122 kV Marinin - Golaghat - Sampathar Ink and 132 kV Marinin - G SD may be availed. adapter to availability of 212 kV Samagari-Sondb-1 SD may be availed adapter to availability of 220 kV Samagari-Sondb-1 SD may be availed. A present, the Upper Assam power system is connected with 220 kV SD may be availed subject to the availability of 220 kV BTPS-RANGIA CKT I. ISPS at Rangin SD may be availed subject availability of 220 kV BTPS-RANGIA CKT I. ISPS at Rangin SD may be availed subject availability of 220 kV BTPS-RANGIA CKT I. ISPS at Rangin SD may be availed subject availability of 220 kV BTPS-RANGIA CKT I. ISPS at Rangin SD may be availed. 20 kV Timskin-RankIngari 2 to be in nervice.
Name of Element Interregional/International 400k/ Bengaigaon - New Siligari - 1 TL along with LR 132k/ Surjaminagar - Comilla # ITL SHUTDOWNS PROPOSED BY ASSAM 132k/ OCLACHAT-MARIAN 132k/ Suraguri-Sonabi dt.1 122k/ Suraguri-Mariani dt.2 20k/ Samaguri-Mariani dt.2 20k/ Samaku-Mathalguri Fe	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0000 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 8:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 9:00-15:00	Remarks For Buchholz trip logic modification AMP of Bay, Re-alignment of Busic Side lootter, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Busics Boolater, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. CORRIDOR CLEANING CORRIDOR CLEANING </td <td>SD may be availed. 21 kV Voltage change is expected at 400kV Balipan SS. SD may be availed. 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SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be availed ablject availability of 220 kV Samagari-Sombi-1. SD may be a
Name of Element Interregional/International 400kV Bongaigaon - New Siligari - 1 TL along with LR 132kV Surjanninagar - Comilla # I TL 132kV Surjanninagar - Comilla # I TL 132kV Surjanninagar - Comilla # II TL SHUTDOWNS PROPOSED BY ASSAM 132kV OLAGHAT-SARUPATHAR 132kV OLAGHAT-SARUPATHAR 132kV BOKANAN-SARUPATHAR 204kV Samaguri-Sonabil ekt_1 204kV Samaguri-Andrain ekt_2 204kV Samaguri-Marini ekt_2 204kV Samaguri-Sonabil ekt_1 204kV Samaguri-Sonabil ekt_1 204kV RANGLA-BTPS (KT 1 204kV RANGLA-BTPS (KT 1 204kV RANGLA-BTPS (KT 2 204kV RANGLA-BTPS (KT 2 204kV RANGLA-BTPS (KT 2 204kV RANGLA-BTPS (KT 2 206kV Tanakuka-Ktanlaguri Feeder no 1	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0000 Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 8:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 8:00-1	Remarks For Buchholt trip logic modification AMP of Bay, Re-alignment of Basic loolter, Re-installation of LA base MAP of Bay, Re-alignment of Basic Bolter, Re-installation of LA base mulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Basic Bolter, Re-installation of LA base mulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Basic Bolter, Re-installation of LA base CORRIDOR CLEANING PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE CORRIDOR CLEANING	SD may be availed. 21 kV Voltage change is expected at 400kV Balipun SS. SD may be availed. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC: India and SLDC Tripura may be taken before the dutations. SD may be availed. Consent from NLDC. India and SLDC Tripura may be taken before the dutations. SD may be availed. 20 kV Transition and SLDC Tripura may be taken before the dutations. SD may be availed. 122 kV Dimapura - Bolagin - Sampathar - Golaghat link to be kept in SD may be availed. 122 kV Dimapura - Bolagin - Sampathar - Golaghat I ink to be kept in SD may be availed. 132 kV Dimapura - Bolagin - Sampathar - Bolagin link to be kept in SD may be availed. 132 kV Dimapura - Golaghat - Sampathar - Bolagin link to be kept in SD may be availed adapted to the availability of 220 kV Samagaris-Sombi-1 SD may be availed. Appeared, the Upper Asam power patient is connected with 220 kV SD may be availed. Appeared, the Upper Asam power patient is connected with 220 kV SD may be availed. Appeared, the Upper Asam power patient is connected with 220 kV SD may be availed. Appeared, the Upper Asam power patient is connected with 220 kV SD may be availed. Appeared, the Upper Asam power patient is connected with 220 kV SD may be availed. Appeared the Upper Asam power patient is connected with 220 kV SD may be availed. Appeared the Upper Asam power patient is connected with 220 kV SD may be availed. Appeared the Upper Asam power patient is connected with 220 kV SD may be availed. Subject availability of 220 kV Transkik-Kathlagari 2 to be in service. SD may be availed. 220 kV Transkik-Kathlagari 1 to be in service. SD may be availed. 220 kV Transkik-Kathlagari 1 to be in service.
Name of Element Interregional/International 400X V Bongiagon - New Siligari - 1 TL along with LR 132kV Surjanninagar - Comilla # 1TL 132kV GOLAGHAT-MARIANI 132kV GOLAGHAT-MARIANI 132kV MOMPLe BOKAJAN 132kV MOMPLE BOKAJAN 132kV MANGHA-BOKAJAN 132kV MANGHA-BOKAJAN 132kV Samagari-Mariani dk 2 204KV Rankgi-ABTPS CKT 1 206KV RANGIA-BTPS CKT 1 206KV RANGIA-BTPS CKT 1 206 KV Tinakia-Kathalguri Feder no 1 206 KV Tinakia-Kathalguri Feder no 1 206 KV Tinakia-Kathalguri Feder no 2 208 KV Tinakia-Kathalguri Feder no 2 208 KV Tinakia-Kathalguri Feder no 1 208 KV Tinakia-Kathalguri Feder no 1 208 KV Tinakia-Kathalguri Feder no 2 208 KV Tinakia-Kathalguri Feder no 1 208 KV Tinakia-Kathalguri Feder no 2	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0000 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs	Remarks For Buchholt trip logic modification AMP of Bay, Re-alignment of Bats Side loatter, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Bats Side loatter, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Bats Side loatter, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. COREDOR CLEANING CORRIDOR CLEANING	SD may be availed. 21 kV Voltage change is expected at 400kV Balipun SS. SD may be availed. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripurs may be taken before the dutation. SD may be availed. Consent from NLDC, India and SLDC Tripurs may be taken before the dutation. SD may be availed. 122 kV Dimapurg - Bolagin - Sarupathar - Golaghat I link to be kept in SD may be availed. 122 kV Dimapurg - Bolagin - Sarupathar I fak and 132 kV Marini - (SD may be availed. 122 kV Dimapurg - Bolagin - Sarupathar I link and 132 kV Marini - (SD may be availed. 132 kV Marini - Golaghat - Sarupathar I link and 132 kV Marini - (SD may be availed. 132 kV Marini - Golaghat - Sarupathar I link and 132 kV Marini - (SD may be availed subject to the availability of 220 kV Sarupatir-Sonab-1 SD may be availed. Appeerd, he (Diper Asam power patient) as connected with 220 kV SD may be availed. Appeerd, he (Diper Asam power patient) as connected with 220 kV SD may be availed subject to the availability of 220 kV Sarupatir-Sonab-1 SD may be availed. Appeerd, he (Diper Asam power patient). SD may be availed subject availability of 220 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed subject availability of 220 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed subject availability of 220 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed. 20 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed. 20 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed. 20 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed. 20 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed. 20 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed. 20 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed. 20 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed. 20 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed. 20 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed. 20 kV TransAta-KARAG KCT II. SPS at Rangin SD may be availed. 20 kV TransAta-KARAG
Name of Element Interregional/International 400KV Bongigson - New Siligari - 1 TL along with LR 132kV Surjamningar - Comilla # 1TL 132kV Sorgen Alexandre Status 132kV GOLAGHAT-MARIANI 132kV BOKALAN-SARUPATHAR 132kV BOKALAN-SARUPATHAR 132kV BOKALAN-SARUPATHAR 20KV Samaguri-Sonkil dt, 1 20KV Samaguri-Sonkil dt, 2 20KV Samaguri-Mariani ckt, 2 20KV Rankuf-AttrS (KT 1 20KV RANGLA-BTPS (KT 1 20KV RANGLA-BTPS (KT 1 20KV Tankufa-Kathaliguri Feeder no 1 20 KV Timakia-Kathaliguri Feeder no 1 20 KV Timakia-Kathaliguri Feeder and 2 20 KV Timakia-Kathaliguri Feeder and 2 20 KV Timakia-KATHANTFF Feeder 20 KV MAGURI-NAMRUP	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0000 Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 0700-1600 0700-1600 9.00-1600 9.00-1600 9.00-1600 8.00-1600 8.00-1600 8.00-1600 8.00-1600 8.00-1600 8.00-1600 9.00-150 9.00-150 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.	Remarks For Buckholz trip logic modification AMP of Bay, Re-alignment of Basis disk lootter, Re-installation of LA base insulators, SD Nature Defect Restification of Line. AMP of Bay, Re-alignment of Basis Bootter, Re-installation of LA base insulators, SD Nature Defect Restification of Line. AMP of Bay, Re-alignment of Basis Bootter, Re-installation of LA base insulators, SD Nature Defect Restification of Line. CORRIDOR CLEANING	SD may be availed. 21 VV Voltage change is expected at 400kV Balpara SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the haldron. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the haldron. SD may be availed. Consent from NLDC. India and SLDC Tripura may be taken before the haldron. SD may be availed. 112 kV Durmapur - Bokajan - Sarupathar - Golaghat Tak to be kept in SD may be availed. 112 kV Durmapur - Bokajan - Sarupathar - Golaghat Tak to be kept in SD may be availed. 112 kV Durmapur - Bokajan - Sarupathar - Bokajan first to be kept in SD may be availed. 112 kV Durmapur - Bokajan - Sarupathar - Bokajan first to be kept in SD may be availed. 112 kV Durmapur - Bokajan - Sarupathar - Bokajan first to be kept in SD may be availed subject to availability of 120 kV Mariani - Golaghat - Sarupathar - SD may be availed. 112 kV Durmapur - Bokajan first to be kept in SD may be availed. 112 kV Durmapur - Bokajan first to be kept in SD may be availed. 112 kV Durmapur - Bokajan first to be kept in SD may be availed. 112 kV Durmapur - Bokajan first to be kept in SD may be availed. 112 kV Durmapur - Bokajan first to be kept in SD may be availed. 112 kV Durmapur - Bokajan first to be kept in SD may be availed. 112 kV Durmapur - Bokajan first to Bo
Name of Element Interregional/International 400kV Bongiagion - New Siligari - 1 TL along with LR 132kV Surjimningar - Comill # JTL 132kV Surjimningar - Comill # JTL 132kV Surjimningar - Comill # JTL 132kV Solgammingar - Comill # JTL 132kV Solgammingar - Comill # JTL 132kV COLAGHAT-MARIAN 132kV OOLAGHAT-SARUPATHAR 132kV Songuri-Marini dct_2 200kV Samaguri-Marini dct_2 200kV Samaguri-Marini dct_2 200kV Samaguri-Marini dct_2 200kV RANGLA-BTPS CKT 1 200kV RANGLA-BTPS CKT 1 200kV RANGLA-BTPS CKT 1 200kV Timakia-Kathalguri Feder no 1 200kV Timakia-Kathalguri Feder no 2 200kV Timakia-SathP Feder 200kV ANGLA-BTPS CKT 1 200kV Timakia-SathP Feder 200kV MARUH-ANTPS Feder 200kV MARUH-ANTPS Peder 20kV AMGURI-AARKUP 20kV AMGURI-AARKUP	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0000 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 8:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 8:800-16:00 8:800-16:00 8:800-16:00 8:800-16:00 9:00-15	Remarks For Buckholz trip logic modification AMP of Bay, Re-alignment of Basis Side lootter, Re-installation of LA base insulators, SD Nature Defect Restification of Line. AMP of Bay, Re-alignment of Basis Side lootter, Re-installation of LA base insulators, SD Nature Defect Restification of Line. CORRIDOR CLEANING PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE	SD may be availed. 21 kV Voltage change is expected at 400kV Balipun SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Trypur may be taken before the duators. SD may be availed. Consent from NLDC, India and SLDC Trypur may be taken before the duators. SD may be availed. SI kV Dimaper - Bolagin - Straughtar - Bolagin link to be kept in SD may be availed. 132 kV Dimaper - Bolagin - Straughtar - Bolagin link to be kept in SD may be availed. 132 kV Dimaper - Bolagin - Straughtar - Bolagin link to be kept in SD may be availed. 132 kV Marini - Codeglat - Straughtar - Bolagin link to be kept in SD may be availed abject to availability of 122 kV Marini - Golagint - Straughtar - Bolagin - S
Name of Element Interregional/International 400W Bongsigaon - New Siliguri - 1 TL along with LR 132kV Sujammingar - Comilla # ITL 132kV Sujammingar - Comilla # IT TL SHUTDOWNS PROPOSED BY ASSAM 132kV GOLAGHAT-MARIAN 132kV OLAGHAT-MARIAN 132kV OLAGHAT-SARUPATHAR 122kV DIMAPUR-BOKAJAN 132kV Samguri-Sonshil dt, 1 220kV Samguri-Mariani dt, 2 220kV Samguri-Mariani dt, 2 220kV Rangari-Mariani dt, 2 220kV Tanaki-NRPF Feeder 220kV MARIANI-MARUP 220kV MARIANI-MARUP 220kV MARIANI-AMGURI	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0900 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 8:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 9:00-15:00 9:00-15:00 9:00-15:00 9:00-15:00 9:00-15:00 8:00-16:00 9:00-15:00	Remarks For Backholz trip logic modification AMP of Bys, Re-alignment of Busic Side loalter, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. AMP of Bys, Re-alignment of Busics Boolstor, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. AMP of Bys, Re-alignment of Busics Boolstor, Re-installation insulators, SD Nature Defect Rectification of Line. CORRIDOR CLEANING CORRIDOR CLEANING <td>SD may be availed. 21 kV Voltage change is expected at 400kV Balipun SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dataform. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dataform. SD may be availed. 122 kV Dimapur - Bolagin - Sampathar - Golaghat - Sampathar - Solagina - Sampathar - Solagina - Sampathar - Solagina - Sampathar - Solagina - Sampathar - Bolagin - Sampathar - Sampathar - Bolagin - Sampathar - Bolagin - Sampathar</td>	SD may be availed. 21 kV Voltage change is expected at 400kV Balipun SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dataform. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dataform. SD may be availed. 122 kV Dimapur - Bolagin - Sampathar - Golaghat - Sampathar - Solagina - Sampathar - Solagina - Sampathar - Solagina - Sampathar - Solagina - Sampathar - Bolagin - Sampathar - Sampathar - Bolagin - Sampathar - Bolagin - Sampathar
Name of Element Interregional/International 400KV Bongiagon - New Siligui - 1 TL along with LR 132kV Surjanninagar - Comilla # 1TL 132kV GOLAGHAT-MARIANI 132kV GOLAGHAT-SARUPATHAR 132kV BORGAJAN-SARUPATHAR 132kV BORGAJAN-SARUPATHAR 122kV Samguri-Sonabil ekt, 1 220kV Samguri-Sonabil ekt, 2 220kV Samguri-Mariani ekt, 2 220kV RANGLA-BTPS CKT 1 220kV RANGLA-BTPS CKT 1 220kV RANGLA-BTPS CKT 2 220kV Tamakia-Kathalguri Feeder no 1 220kV Tamakia-NRPF Feeder 220kV Tamakia-NRPF Feeder 220kV Tamakia-Athalguri Feeder no 1 220kV AMGURI-AMRUP 220kV MARAHAN-MAGURI 220kV MARAHAN-AMGURI 220kV MARAHAN-AGOKI	Consent required from NLDC		ited from Tripera ited from Tri					я и я и я и я и я и я и я и я и	Twe 0000 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 8:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 8:800-16:00 8:800-16:00 8:800-16:00 8:800-16:00 9:00-15	Remarks For Buchholt trip Jogic modification AMP of Bay, Re-alignment of Biosic bolter, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Bio Side Solutor, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Bio Side Solutor, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. COREDOR CLEANING CORRIDOR CLEANING	SD may be availed. 21 kV Voltage change is expected at 400kV Balipun SS. SD may be availed. SD may be availed. SD may be availed. Consent from NLDC: India and SDC Tripura may be taken before the distalors. SD may be availed. Consent from NLDC: India and SDC Tripura may be taken before the distalors. SD may be availed. 22 kV Dimapur - Bolagian - Sampathar - Golaghat link to be kept in SD may be availed. 122 kV Dimapur - Bolagian - Sampathar - Golaghat link to be kept in SD may be availed. 122 kV Dimapur - Bolagian - Sampathar - Bolagian link to be kept in SD may be availed. 132 kV Dimapur - Bolagian - Sampathar - Bolagian link to be kept in SD may be availed. 132 kV Dimapur - Bolagian - Sampathar link and 132 kV Mariani - SD may be availed. 312 kV Dimapur - Bolagian - Sampathar - Bolagian link to be kept in SD may be availed. 312 kV Dimapur - Bolagian - Sampathar - Bolagian link to be kept in SD may be availed. 312 kV Dimapur - Bolagian - Sampathar - Bolagian link to be kept in SD may be availed. A present, the Upper Asam power system is connected with 220 kV SD may be availed. A present, the Upper Asam power system is connected with 220 kV SD may be availed. A present, the Upper Asam power system is connected with 220 kV SD may be availed. Subject availability of 220 kV BTPs-RANGIA CKT II. SPS at Rangia SD may be availed. 220 kV Transkia-Kathalgari 1 to be in service. SD may be availed. 220 kV Transkia-Kathalgari 1 to be in service. SD may be availed. 220 kV Transkia-Kathalgari 1 to be in service. SD may be availed. 220 kV Transkia-Kathalgari 1 to be in service. SD may be availed. 220 kV Transkia-Kathalgari 1 to be in service. SD may be availed. 220 kV Transkia-Kathalgari 1 to be in service. SD may be availed. 220 kV AGRPP - famarial 220 kV VTRPS-NAPP line to be SD may be availed. 220 kV AGRPP - famarial 220 kV VTRPS-NAPP line to be sD may be availed. 220 kV AGRPP - famarial 220 kV Transkia-Kathalgari 1 to be in service. SD may be availed. 220 kV AGRPP - famarial 220 kV Marine non-softre to be maintimical withi
Name of Element Interregional/International 400W Bongiagion - New Siligui - 1 TL along with LR 132W Singinningar - Comilla # ITL 132W Sugianningar - Comilla # ITL 132W GOLAGHAT-MARIAN 132W OOLAGHAT-SARUPATHAR 132W DMAYER-BOKJAN 132W WANGHA-BOKJAN 132W WANGHA-BOKJAN 132W WANGHA-BOKJAN 132W WANGHA-BOKJAN 120W Samguri-Mariani dk_ 2 200W Samguri-Mariani dk_ 2 200W V Samguri-Mariani dk_ 2 200W RANGHA-BTPS CKT 1 200W RANGHA-BTPS CKT 1 200W V Tanakia-Kathalguri Feeder no 1 201 W Timakia-NRP Feeder 202 W V Timakia-NRP Feeder 202 W V Tanakia-MRP Feeder 202 W V AMGURI-NAMRUP 204 W AIRAIA-MAGURI 204 W MARIA-MAGURI 204 W MARIA-SAGKO	Consent required from NLDC		ited from Tripera ited from Tri					я и я х я х я х я х я х я х я х я х я х я х	Twe 0900 Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs 0700Hrs 0700Hrs 0700-16:00 9.00-16:00 9.00-16:00 9.00-16:00 8.00-16:00 8.00-16:00 8.00-16:00 8.00-16:00 9.00-15:00 9.00-15:00 9.00-15:00 9.00-15:00 9.00-15:00 8.00-16:00	Remarks For Buckholz trip logic modification AMP of Bay, Re-alignment of Basis disk lootter, Re-installation of LA base insulators, SD Nature Defect Restification of Line. AMP of Bay, Re-alignment of Basis bootter, Re-installation of LA base insulators, SD Nature Defect Restification of Line. AMP of Bay, Re-alignment of Basis Bootter, Re-installation of LA base insulators, SD Nature Defect Restification of Line. CORRIDOR CLEANING PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE CORRIDOR CLEANING & PREVENTIVE MANTENANCE CORRIDOR CLEANING & PREVENTIVE MANTEN	SD may be availed. 21 VV Voltage change is expected at 4001V Balquara SS. SD may be availed. Consent from NLOC. India and SLOC Tripura may be taken before the dutations. SD may be availed. Consent from NLOC. India and SLOC Tripura may be taken before the dutations. SD may be availed. Consent from NLOC. India and SLOC Tripura may be taken before the dutations. SD may be availed. IS2 IV Diamper - Bolagian - Sampathar - Golaghet Take to be loop in the dutations. SD may be availed. 132 IV Diamper - Bolagian - Sampathar - Golaghet Take to be loop in SD may be availed. 132 IV Marini - Golaghet - Sampathar - Bolagini fike to be loop in SD may be availed abaject or availability of 122 VM Marini - Golaghet - Sampathar - Bolagini fike to be loop in SD may be availed abaject to the availability of 220 IV Samagari-Sonab-1. SD may be availed abaject or availability of 220 IV Samagari-Sonab-1. SD may be availed abaject or availability of 220 IV Samagari-Sonab-1. SD may be availed. A present, the Upper Asam power system is connected with 220 VV Sonapari-Sonab-1. 20 may be availed. A present, the Upper Asam power system is connected with 220 VV Sonapari-Sonab-1. 20 may be availed. A present, the Upper Asam power system is connected with 220 VV Sonapari-Sonab-1. 20 NV Tros AsaMari ACA CKT II. IS PS at Rangin SD may be availed. 20 VV Traskika-Kathalgari 1 to be in service. SD may be availed. 220 VV Traskika-Kathalgari 1 to be in service. SD may be availed. 220 VV Traskika-Kathalgari 1 to be in service. SD may be availed. 220 VV Traskika-Kathalgari 1 to be in service. SD may be availed. 220 VV Traskika-Kathalgari 1 to be in service. SD may be availed. 220 VV Traskika-Kathalgari 1 to be in service. SD may be availed. 220 VV Traskika-Kathalgari 1 to be in service. SD may be availed. 220 VV Traskika-Kathalgari 1 to be in service. SD may be availed. 220 VV Traskika-Kathalgari 220 VV MTPS-NPP line to be Considering N-1 contingency of 220 VV AGBP/ Amarini (PO) line. Upper Asam Power to be maintained and the 220 VV Traskika-Kathalgari 1
Name of Element Interregional/International 400W Bongsigaon - New Siliguri - 1 TL along with LR 132kV Sujammingar - Comilla # JTL 132kV Sujammingar - Comilla # JTL 132kV Sujammingar - Comilla # JTL SHUTDOWNS PROPOSED BY ASSAM 132kV GOLAGHAT-MARIAN 132kV ODLAGHAT-SARUPATHAR 132kV ODLAGHAT-SARUPATHAR 122kV Samguri-Mariani dt, 2 220kV Samguri-Mariani dt, 2 220kV Samguri-Mariani dt, 2 220kV Rangari-Mariani dt, 2 220kV RANGLA-BTPS CKT 1 220kV Vandia-BTPS CKT 2 220kV Tanakia-Kathalguri Feeder no 2 220kV Tanakia-NTPS Feeder 220kV MARUAL-KAthalguri Feeder no 2 220kV MARUAL-KAthalguri Feeder no 2 220kV MARUAL-KAthalguri Feeder no 2 220kV MARUAL-KAHalguri Feeder no 2 220kV MARUAL-AAGURI 220kV MARLAN-AAGURI 220kV MARLAN-AAGURI 220kV MARLAN-AAGURI 220kV MARLAN-AAGURI	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0900 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 0700 Hrs to 1700 Hrs 8:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 9:00-15:00 9:00-15:00 9:00-15:00 9:00-15:00 8:00-16:00 8:00-16:00 9:00-15:00 9:00-15:00 9:00-15:00 9:00-15:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00 8:00-16:00	Remarks For Backholz trip logic modification AMP of Bay, Re-alignment of Bas Side bolter, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Bas Side bolter, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Bas Side bolter, Re-installation of LA base insulators, SD Nature Defect Rectification of Line. CORRIDOR CLEANING PREVENTIVE MANTENANCE CORRIDOR CLEANING & PREVENTIVE MANTENANCE CORRIDOR CLEANIN	SD may be availed. 21 kV Voltage change is expected at 400kV Balipura SS. SD may be availed. Consent from NLDC. Instin and SLDC Tripura may be taken before the abardoom. SD may be availed. Consent from NLDC. Instin and SLDC Tripura may be taken before the abardoom. SD may be availed. 122 kV Dimargur - Bolagin - Sampathar - Golaghat Taken before the abardoom. SD may be availed. 122 kV Dimargur - Bolagin - Sampathar Inst and 132 kV Marini - Golaghat - Sampathar Inst and 132 kV Marini - Golaghat - Sampathar Inst and 132 kV Marini - Golaghat - Sampathar Inst and 132 kV Marini - Golaghat - Sampathar - Bolagin - Sampathar - Sampat
Name of Element Interregional/International 400KV Bongiagion - New Siligui - 1 TL along with LR 132kV Surjanninagar - Comilla # 1TL 132kV GOLAGHAT-MARIANI 132kV GOLAGHAT-SARUPATHAR 132kV BOKAJAN-SARUPATHAR 132kV BOKAJAN-SARUPATHAR 132kV BOKAJAN-SARUPATHAR 1220kV Samaguri-Sonabil ekt, 2 220kV Samaguri-Sonabil ekt, 2 220kV Samaguri-Sonabil ekt, 2 220kV Samaguri-Sonabil ekt, 2 220kV Rankal-AftrBS CKT 1 220kV Rankal-AftrBS CKT 1 220kV Tanaki-Kathalguri Feeder no 1 220kV Tanaki-NRPF Feeder 220kV MIRALMA-MARUP 220kV MIRALMAN-MAGURI 220kV MIRALA-BOKO 220kV MIRZA-BOKO 220kV MIRZA-AGIA	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0000 Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 0700Hrs to 1700Hrs 8:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 9:00-16:00 9:00-15:00 9:	Remarks For Buchholt trip logic modification AMP of Bay, Re-alignment of Bais Side lootter, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Bais Side lootter, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Bais Side lootter, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. CORRIDOR CLEANING CORRIDOR CLEANING & PREVENTIVE MAINTENANCE PREVENTIVE MAINTENANCE CORRIDOR CLEANING & PREVENTIVE MAINTENANCE CORRIDOR CLEANING & PREVENTIVE MAINTENANCE	SD may be availed. 21 VV Voltage change is expected at 400kV Balpara SS. SD may be availed. Consent from NLDC_India and SLDC Tripura may be taken before SD may be availed. Consent from NLDC_India and SLDC Tripura may be taken before the database of the state of the state of the state of the state of the state SD may be availed. Consent from NLDC_India and SLDC Tripura may be taken before the database. SD may be availed. 121 VV Dimagur - Bolagian - Sampathar in Kan 112 UV Marian - G SD may be availed. 121 VV Dimagur - Bolagian - Sampathar in Kan 112 UV Marian - G SD may be availed. 121 VV Dimagur - Bolagian - Sampathar in Kan 112 UV Marian - G SD may be availed. 121 VV Dimagur - Bolagian - Sampathar in Kan 112 UV Marian - G SD may be availed. 121 VV Dimagur - Bolagian - Sampathar in Kan 112 UV Marian - G SD may be availed. 121 VV Dimagur - Bolagian - Sampathar - Bolagian ink to be kept in SD may be availed. adapted to availability of 210 VV Samagari-Sonabi-1 SD may be availed. A present, the Uper Assam power system is connected with 220 VV SD may be availed. A present, the Uper Assam power system is connected with 220 VV SD may be availed. A present, the Uper Assam power system is connected with 220 VV SD may be availed. A present, the Uper Assam power system is connected with 220 VV SD may be availed. 30 VV Transkick Athalagari 2 to be in service. SD may be availed. 220 VV Transkick Athalagari 2 to be in service. SD may be availed. 220 VV Transkick Athalagari 2 to be in service. SD may be availed. 220 VV Transkick Athalagari 2 to be in service. SD may be availed. 220 VV Transkick Athalagari 2 to be in service. SD may be availed. 220 VV Transkick Athalagari 2 to be in service. SD may be availed. 220 VV Transkick Athalagari 2 to be in service. SD may be availed. 220 VV AthaBP- Mariani (Ch) line. Uper Asam Pow to be maintained availed. 220 VV AthaBP- Mariani (Ch) line. Uper Asam Pow to be maintained within 253 MW (darine soder recivid) and 224 MV (darine non-solar Considering N-1 conting
Name of Element Interregional/International 400kV Bongaigaon - New Siligari - 1 TL along with LR 132kV Surjamningar - Comill # JTL 132kV Surjamningar - Comill # JTL 132kV Surjamningar - Comill # JTL 132kV Sorjamningar - Comill # JTL 132kV Sorjamningar - Comill # JTL 132kV COLAGHAT-MARIAN 132kV OLAGHAT-SARUPATHAR 132kV BOKAJAN-SARUPATHAR 132kV BOKAJAN-SARUPATHAR 20kV Samaguri-Marini dk. 2 20kV Samaguri-Marini dk. 2 20kV Ramguri-Marini dk. 2 20kV Ramguri-Marini dk. 2 20kV Ramguri-Marini dk. 2 20kV Ramguri-Marini dk. 2 20kV Ramkur-Marini dk. 2 20kV Markur-Marini dk. 2 20kV Markur-Markur 20kV Timakis-Markur 20kV Marku	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0900 Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 0700Hrs to 1700Hrs 8.00-16.00 8.00-16.00 9.00-16.00 9.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 9.00-15.00 9.00-15.00 9.00-15.00 9.00-15.00 8.00-16.00	Remarks For Buckholz trip logic modification AMP of Bay, Re-alignment of Basis dis lootter, Re-installation of LA base insulators, SD Nature Defect Restification of Line. AMP of Bay, Re-alignment of Basis Boolston, Re-installation of LA base insulators, SD Nature Defect Restification of Line. AMP of Bay, Re-alignment of Basis Boolston, Re-installation of LA base insulators, SD Nature Defect Restification of Line. CORRIDOR CLEANING CORRIDOR CLEANING & PREVENTIVE MAINTENANCE PREVENTIVE MAINTENANCE PREVENTIVE MAINTENANCE CORRIDOR CLEANING &	SD may be availed. 21 VV Voltage change is expected at 400kV Bidipura SS. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dandorom. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dandorom. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dandorom. SD may be availed. 122 kV Dimargur - Bolagan - Sampathar - Golaghat - Bakaroon - Bolagan - Sampathar -
Name of Element Interregional/International 400V Bongiagon - New Siligari - 1 TL alcog with LR 132kV Surjanningar - Comila # 1TL 132kV Surjanningar - Comila # 1TL SHUTDOWN PROPOSED BY ASSAM SHUTDOWN PROPOSED BY ASSAM 132kV GOLAGHAT-MARINN 132kV GOLAGHAT-MARINN 132kV MAPUR-BOKAJAN 132kV MAPUR-BOKAJAN 132kV MAPUR-BOKAJAN 132kV MAPUR-BOKAJAN 123kV MAPUR-BOKAJAN 123kV MAPUR-BOKAJAN 123kV MAPUR-BOKAJAN 123kV MAPUR-BOKAJAN 123kV MARUPI-BOKAJAN 123kV MARUPI-BOKAJAN 123kV MARUPI-BOKAJAN 123kV MARUPI-SOLITIAR 120kV Samguri-Marini dk 2 120kV RANGLA-BITS CKT 1 120kV NIMICATTS Feeder 120 kV Timakia-Kathalguri Feeder no 1 120 kV Timakia-Kathalguri Feeder no 1 120 kV Timakia-Kathalguri Feeder 120 kV MIRZA-BOKO 120 kV MIRZA-AGIA 120 kV MIRZA-AGIA 120 kV MIRZA-AGIA 120 kV MIRZA-AGIA 120 kV SamusiAJALJAWAHARNAGAR	Consent required from NLDC		ited from Tripera ited from Tri						Twe 0900 Hrs to 1700 Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 0700Hrs to 1700Hrs 8.00-16:00 9.00-16:00 9.00-16:00 9.00-16:00 8.00-1	Remarks For Backholz trip Jugic modification AMP of Bay, Re-alignment of Backie loatner, Re-installation of LA base imulators, SD Nature Defect Restification of Line. AMP of Bay, Re-alignment of Backie loatner, Re-installation of LA base imulators, SD Nature Defect Restification of Line. AMP of Bay, Re-alignment of Backie loatner, Re-installation of LA base imulators, SD Nature Defect Restification of Line. CORRIDOR CLEANING PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE CORRIDOR CLEANING & PREVENTIVE MANTENANCE CORRIDOR CLEANING & PREVENTIVE MANTENANCE CORRIDOR CLEANING & PREVENTIVE MANTENANCE	SD may be availed. 21 VV Voltage change is expected at 400kV Bidipura SS. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dandorom. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dandorom. SD may be availed. Consent from NLDC, India and SLDC Tripura may be taken before the dandorom. SD may be availed. 122 kV Dimargur - Bolagan - Sampathar - Golaghat - Bakaroon - Bolagan - Sampathar -
Name of Element Interregional/International 400kV Bongaigaon - New Siligari - 1 TL along with LR 132kV Surjanninagar - Comilla # 1TL 132kV Sorganninagar - Comilla # 1TL 132kV Sorganninagar - Comilla # 1TL 132kV GOLAGHAT-MARIANI 132kV GOLAGHAT-SARUPATHAR 132kV BOKAJAN-SARUPATHAR 132kV BOKAJAN-SARUPATHAR 20kV Samagari-Sonahi dt, 2 20kV Samagari-Sonahi dt, 2 20kV Samagari-Mariani dt, 2 20kV Rankga-BTPS CKT 1 20kV Rankga-RTPS CKT 1 20kV Rankga-RTPS CKT 2 20k V Tanakia-Kathalguri Feeder no 1 20k V Tanakia-SathBugari Feeder no 1 20k V Tanakia-SathBugari Feeder no 1 20k V Tanakia-SathBugari Feeder no 1 20k V MAGURI-NAMRUP 20kV MAGURI-SAGNG 20kV MARAN-AGGAR 20kV MARZA-BOKO 20kV MIRZA-AGIA 20kV MIRZA-AGIA 20kV SARUSAJALJAWAHARNAGAR 20kV SARUSAJALJAWAHARNAGAR 20kV MARAN-AGGIA	Consent required from NLDC		ited from Tripera ited from Tri						Ine 0900 Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 8.00-16.00 9.03-16.00 9.03-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 9.03-16.00 9.03-16.00 8.00-16.00 8.00-16.00 9.00-15.00 9.00-15.00 8.00-16.00 8.03-16.00 8.03-16.00 8.33-16.00 8.33-16.00 8.33-16.00 8.33-16.00 8.33-16.00	Remarks For Buchholt trip logic modification AMP of Bay, Re-alignment of Basic loolter, Re-installation of LA base AMP of Bay, Re-alignment of Basic loolter, Re-installation of LA base MAP of Bay, Re-alignment of Basic loolter, Re-installation of LA base MAP of Bay, Re-alignment of Basic Bolter, Re-installation of LA base mailators, SD Nature Defect Restification of Line. AMP of Bay, Re-alignment of Basic Bolter, Re-installation CORRIDOR CLEANING CORRIDOR CLEANING & PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE CORRIDOR CLEANING & PREVENTIVE MANTENANCE CORRIDOR CLEANING & PREVENTIVE MANTENANCE	SD may be availed. 21 VV Voltage change is expected at 400kV Balgum SS. SD may be availed. Consent from NLDC. India and SLDC Tripura may be taken before SD may be availed. Consent from NLDC. India and SLDC Tripura may be taken before the database of the state of the state of the state of the state of the state SD may be availed. 21 VV Diampur - Bolagin - Sampathar - Golaghat link to be lept in SD may be availed. 12 VV Diampur - Bolagin - Sampathar Ink and 13 LV V Mariani - Gol SD may be availed. 121 VV Diampur - Bolagin - Sampathar Ink and 13 LV V Mariani - Golaghat Link and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Mariani - Golaghat - Sampathar Ink and 13 LV V Samagari-Sambal-1 SD my be availed analycit to the availability of 220 V V Samagari-Sambal-1 SD my be availed analycit to the availability of 220 V V Samagari-Sambal-1 SD my be availed analycit and the availability of 220 V V Samagari-Sambal-1 SD my be availed analycit availability of 220 V V ThresAntAC ACT II. JPS at Rangin SD my be availed analycit availability of 220 V V ThresAntAC ACT II. JPS at Rangin SD my be availed 220 VV Tamskia-Kathalgari 1 to be in service. SD may be availed 220 VV Tamskia-Kathalgari 1 to be in service. SD may be availed. 220 VV Tamskia-Kathalgari 1 to be in service. SD may be availed. 220 VV Tamskia-Kathalgari 1 to be in service. SD may be availed. 220 VV Agin-Robat and 220 VV Marine non-solar r be maintained within 225 MV (AGBP - Mariani (G) line, Upper Asam Pow to be maintained within 225 MV (AGBP - Mariani (G) line, Upper Asam Pow
Name of Element Unterregional/International 400kV Bongsigson - New Siligui - 1 TL along with LR 132kV Suijaminingar - Comill # 1TL 132kV Suijaminingar - Comill # 1TL 132kV Suijaminingar - Comill # 1TL 132kV Solgammingar - Comill # 1TL 132kV GOLAGHAT-MARIAN 132kV GOLAGHAT-SARUPATHAR 132kV BOKAJAN-SARUPATHAR 132kV MOKAJAN-SARUPATHAR 220kV Samaguri-Marini dk. 2 220kV Samaguri-Marini dk. 2 220kV Samaguri-Marini dk. 2 220kV Rangdri-Marini dk. 2 220kV Margdri-Margdri dkangri F	Consent required from NLDC		ited from Tripera ited from Tri						Book 0900 Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 8.00-16.00 8.00-16.00 9.00-16.00 9.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 9.00-15.00 9.00-15.00 9.00-15.00 9.00-15.00 8.00-16.00	Remarks For Buckholz trip logic modification AMP of Bay, Re-alignment of Basis Bolter, Re-installation of LA base AMP of Bay, Re-alignment of Basis Bolter, Re-installation of LA base MAP of Bay, Re-alignment of Basis Bolter, Re-installation of LA base MAP of Bay, Re-alignment of Basis Bolter, Re-installation of LA base CORRIDOR CLEANING CORRIDOR CLEANING & PREVENTIVE MAINTENANCE PREVENTIVE MAINTENANCE PREVENTIVE MAINTENANCE CORRIDOR CLEANING & PREVEN	SD may be availed. 21 kV Voltage change is expected at 400kV Buliparn SS. SD may be availed. Consent from NLDC India and SLDC Tripura may be taken before SD may be availed. Consent from NLDC India and SLDC Tripura may be taken before the dual of the state of the st
Name of Element Interregional/International 400k/ Bongiagiaon - New Siligari - 1 TL along with LR 132k/ Surjaminagar - Comilla # 1TL 132k/ DIA/MARANI 132k/ DIA/MPUB-BOKAJAN 128k/ DIA/MPUB-BOKAJAN 128k/ DIA/MPUB-BOKAJAN 128k/ Samagari-Mariani dk1_2 208k/ Namagari-Mariani dk1_2 208k/ Namagari-Mariani dk1_2 208k V Timakia-Kathalgari Feeder no 1 208k V Timakia-Kathalgari Feeder no 1 208k V Nimakia-NRPF Feeder 208k V Mida/ALANAMRUP 208k V Mida/ALANAMAUP 208k V Mida/ALANAMARUP 208k V Mida/ALANAAGAR 208k V Mida/ALANAAGAR 208k V Mida/ALANAAGAR 208k V Mida/ALANAAGAR	Consent required from NLDC		ited from Tripera ited from Tri						The 0900 Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 8.00-16.00 9.00-16.00 9.00-16.00 9.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 9.00-15.00 9.00-15.00 9.00-15.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00	Remarks For Buchholt rip Jogic modification AMP of Bay, Re-alignment of Busick lootner, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Busick Boltner, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Busick Boltner, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. CORRIDOR CLEANING CORRIDOR CLEANING & PREVENTIVE MAINTENANCE	SD may be availed. 21 kV Voltage change is expected at 400kV Balipan SS. SD may be availed. Consort from NLDC: balin and SLDC Tripura may be taken before the dutations. SD may be availed. Consort from NLDC: balin and SLDC Tripura may be taken before the dutations. SD may be availed. To start the start of the dutations. SD may be availed. To start the start of the dutations. SD may be availed. To start the start of the start of the dutations. SD may be availed. To start the start of the dutations. SD may be availed. To start the start of the start of the dutations. SD may be availed. To start the start of the
Name of Element Interregional/International 400k/ Bongiagon - New Siligari - 1 TL along with LR 132k/ Surjaminagar - Comila # 1 TL 132k/ DIA/LANS SARUPATHAR 132k/ Surgari-Mariani kt.1 20k/ Samagari-Mariani kt.2 20k/ Samagari-Mariani kt.2 20k/ Kamagari-Mariani kt.2 20k/ Kamagari-Mariani kt.2 20k/ Kamagari-Mariani kt.2 20k/ V maskia-Kathalguri Feeder no 1 20k V Tumakia-Kathalguri Feeder no 1 20k V Tumakia-NTPS Feeder 20k V MarkINA-MAGURI 20k/ MIRZA-BOKO 20k/ V MarkIA-AGUA 20k/ V MIRZA-BOKO 20k/ V MIRZA-AGIA 20k/ V MIRZA-AGIA 20k/ V MIRZA-AGIA 20k/ V MARAN-AGAR 20k/ V MARAN-AGAR 20k/ V MIRZA-AGIA	Consent required from NLDC		ited from Tripera ited from Tri						Book 0900 Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 8.00-16.00 8.00-16.00 9.00-16.00 9.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 9.00-15.00 9.00-15.00 9.00-15.00 9.00-15.00 9.00-15.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00	Remarks For Buchholt trip logic modification AMP of Bay, Re-alignment of Basis disclosther, Re-installation of LA base AMP of Bay, Re-alignment of Basis disclosther, Re-installation of LA base MAP of Bay, Re-alignment of Basis Boltoner, Re-installation AMP of Bay, Re-alignment of Basis Boltoner, Re-installation CORRIDOR CLEANING CORRIDOR CLEANING & PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE PREVENTIVE MANTENANCE CORRIDOR CLEANING & PREVENTIVE MANTENANCE CORRIDOR CLEANING & PREVENTIVE MANTENANCE CORRIDOR C	SD may be availed. 21 kV Voltage change is expected at 400kV Balipara SS. SD may be availed. Consent from NLDC India and SLDC Tripura may be taken before SD may be availed. Consent from NLDC India and SLDC Tripura may be taken before the dual of the state of the st
Name of Element Interregional/International 400k/ Bongaigaon - New Siligari - 1 TL along with LR 132k/ Surjaminagar - Comilla # 1TL 12k/ Surjaminagar - Comilla # 1TL SiluTDOWNS PROPOSED BY ASSAM 132k/ OGLAGHAT-MARIANI 132k/ DOLAGHAT-SARUPATHAR 132k/ DOLAGHAT-SARUPATHAR 132k/ DOLAGHAT-SARUPATHAR 132k/ DOKANAS-SARUPATHAR 123k/ Samagari-Sonabil dk1_2 200k/ Samagari-Sonabil dk1_2 200k/ Samagari-Mariani dk1_2 200k V Asmagari-Mariani dk1_2 200k V Tamakia-Kathalgari Feeder no 1 200k V Tamakia-Kathalgari Feeder no 1 200k V Marquet NNFUF Feeder 200k V Marquet NNFUF Feeder 200k V Marquet ANGURI 200k V Marquet AGAINAMUP 200k V Marquet AGAIA 200k V Marquet AGAINA 200k V Marquet AGAINA 200k V Marquet AGAINANAULP 200k V Marquet AGAIA 200k V MarqAAGA	Consent required from NLDC		ited from Tripera ited from Tri						The 0900 Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 0700Hrs to 1700 Hrs 8.00-16.00 9.00-16.00 9.00-16.00 9.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 9.00-15.00 9.00-15.00 9.00-15.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.00-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00 8.30-16.00	Remarks For Buchholt rip Jogic modification AMP of Bay, Re-alignment of Busick lootner, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Busick Boltner, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. AMP of Bay, Re-alignment of Busick Boltner, Re-installation of LA base imulators, SD Nature Defect Rectification of Line. CORRIDOR CLEANING CORRIDOR CLEANING & PREVENTIVE MAINTENANCE	SD may be availed. 21 kV Voltage change is expected at 400kV Balipan SS. SD may be availed. Consort from NLDC: balin and SLDC Tripura may be taken before the dutations. SD may be availed. Consort from NLDC: balin and SLDC Tripura may be taken before the dutations. SD may be availed. To start the start of the dutations. SD may be availed. To start the start of the dutations. SD may be availed. To start the start of the start of the dutations. SD may be availed. To start the start of the dutations. SD may be availed. To start the start of the start of the dutations. SD may be availed. To start the start of the

32 132	2 kV Haflong(AEGCL) – Haflong(PGCIL) line					9:00-16:00	Maintenance of line & corridor cleaning works	SD may be availed
33 132	2 KV PANCHGRAM-HAILAKANDI					9:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	SD may be availed.132 kV Badarpur-Panchgram line to be in service
34 132	2 KV HAILAKANDI-DULLAVCHERRA					9:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	SD may be availed subject to availability of 132 kV Jiribam-Pailapool.
35 132	2 KV SRIKONA-PAILAPOOL					9:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	SD may be availed subject to availability of 132 kV Jiribam-Pailapool.
36 132	2 KV PANCHGRAM-LUMSHNONG	Coment received from Meghalaya				9:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	SD may be availed. 132 kV Khliehriat - Lumshnong line to be kept in service. Internal generat
37 132	2 KV SRIKONA-PAILAPOOL					9:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	SD may be availed subject to availability of 132 kV Jiribam-Pailapool.
38 132	2 KV HAILAKANDI-DULLAVCHERRA					9:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	SD may be availed subject to availability of 132 kV Dullavcherra-Dharmanagar-PK Bari lin
39 132	2 KV DULLAVCHERRA-DHARMANAGAR	Consent received from Tripura				9:00-16:00	PREVENTIVE MAINTENANCE & INSPECTION WORK	Consent from SLDC Tripura is required. SD may be availed. 132 kV PK Bari - Dullavcherra
40 132	2 KV DULLAVCHERRA-DHARMANAGAR	Consent received from Tripura				9:00-16:00	PREVENTIVE MAINTENANCE & INSPECTION WORK	Consent from SLDC Tripura is required. SD may be availed. 132 kV PK Bari - Dullavcherra
41 220	0KV AGIA-BOKO					8:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	SD may be availed. 220 kV Mirza - Boko line and 132 kV Agia - Mirza line to be kept in ser
42 220	OKV AGIA-BOKO					8:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	SD may be availed. 220 kV Mirza - Boko line and 132 kV Agia - Mirza line to be kept in ser
43 220	0KV AGIA-BTPS-1					8:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	The SD may be availed subject to availability of 220 kV BTPS -Salakati DC and 220kV Ap
44 220	0KV AGIA-BTPS-1					8:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	The SD may be availed subject to availability of 220 kV BTPS -Salakati DC and 220kV Ag
	0KV AGIA-BTPS-2					8:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	The SD may be availed subject to availability of 520 kV BTPS -Salakati DC and 220kV Ag
46 220	0KV AGIA-BTPS-2					8:00-16:00	PREVENTIVE MAINTENANCE & CORRIDOR CLEANING WORK	The SD may be availed subject to availability of 220 kV BTPS -Salakati DC and 220kV Ap
	1 2 3 4 5 6 7 8 9 10 11 12	13 14 15 16 17 18 19	9 20 21 22 23 24 25 26	7 28 29	30 31			namo e P
-	HUTDOWNS PROPOSED BY MEGHALAYA DMVA ICT#1 at Killing				_	08:00 - 16:00	Preventive Maintenance	SD may be availed. ICT II at Killing to be kept in service
	DMVA ICT#1 at Killing					08:00 - 16:00	Preventive Maintenance	SD may be availed. ICT II at Killing to be kept in service SD may be availed. ICT II at Killing to be kept in service
	2KV Nongalbibra-Agia II feeder	Consent received from Assam				8:00 - 13:00	Disc Changing T/Loc 5	SD may be availed. 132 kV Agia - Mendipathar - Nangalbibra link to be kept in service.
	0MVA ICT#2 at Killing					08:00 - 16:00	Preventive Maintenance	SD may be availed. ICT I at Killing to be kept in service
5 160	0MVA ICT#2 at Killing					08:00 - 16:00	Preventive Maintenance	SD may be availed. ICT I at Killing to be kept in service
6 132	2KV Bus Shutdown at Khliehriat s/s					10:00-16:00	For replacement of deteriorate R Phase clamp of the BSI and maintenance work related to the bus side.	SD may be availed.Information may be given to Assam and NEEPCO regarding the shutdo
7 132	2KV Nongalbibra-Agia II feeder		Coment received from Assam			8:00 - 13:00	Disc Changing T/Loc 7	SD may be availed. 132 kV Agia - Mendipathar - Nangalbibra link to be kept in service.
8 132	2KV Mendipathar-Agia feeder		Coment received from Assam			9:00 - 15:00	Jungle clearance at T/Loc 279 to 286	SD may be availed. 132 kV Agia - Nangalbibra line and 132 kV Mendipathar - Nangalbibra
9 132	2KV Bus Shutdown at Lumshnong s/s					10:00-16:00	For isolator alignment, tightening of clamps & connectors, maintenance of 5 MVA Xer and other rectification works.	SD may be availed.
10 400	0KV Killing-Silchar line					08:00 - 16:00	Preventive Maintenance	SD may be availed.
5	1 2 3 4 5 6 7 8 9 10 11 12 SHUTDOWNS PROPOSED BY MIZORAM	13 14 15 16 17 18 19	9 20 21 22 23 24 25 26 3	7 28 29	30 31			
	2kV Aizawi(PG) - Luangmaal					08:00 - 15:00	Replacement of 132 kV incoming line ACSR conductor with HTLS conductor	The SD may be availed subject to availability of 132 kV Melriat-Zuangtui -Sartual-Serchip-Lz Melriat-Luangmual link. The loading of 132kV Melriat-Zuangtui may be limited to 65 MW at voltage issue may arise during the SD period. However, loading can be varied as per real-tim conditions.
2 132	2 kV Melriat((PG) to Aizawl(PG)					08:00 - 15:00	For reconductoring work of 132kV Aizawl(PG) - Luangmual	S/D may be availed.
	1 2 3 4 5 6 7 8 9 10 11 12 SHUTDOWNS PROPOSED BY NEEPCO 10 11 12	13 14 15 16 17 18 19	9 20 21 22 23 24 25 26	7 28 29	30 31			
	AgGBPS							
1 Stg-	r-1 at AgGBPS (AGTCCPP)	Intimation to all				CSD 00:00-23:59	Governor HMI upgradation.	SD may be availed.
2 132	2 kV Bus 1 at AgGBPS (AGTCCPP)	Consent received from Tripura				CSD 00:00-23:59	Stg 1 Bay maintenance	SD may be availed.All elements are to be connected vis Bus-2 at AGTCPP
2 1.22	2 kV Bus 2 at AgGBPS (AGTCCPP)	Consent received from Tripura				CSD 00:00-23:59	Stg 1 Bay maintenance	SD may be availed.All elements are to be connected vis Bus-1 at AGTCPP

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

Annexure B.7

SRI (ATC) Violation for June 2023



Type text here

Annexure-D

विद्युत मंत्रालय श्रम शक्ति भवन

नई दिल्ली–110001

Tele : 23710271/23711316 Fax : 23721487 E-mail : secy-power@nic.in

Annexure C.3

प्रदीप कुमार सिन्हा संचिव भारत सरकार

PRADEEP K. SINHA Secretary Government of India

D.O. No.20/6/2014-OM

Dear Shri Negi,



Ministry of Power Shram Shakti Bhawan New Delhi - 110001

05.12.2014

As you are aware, India has one of the largest A.C. Synchronous Transmission Grids in the world with more than 3 lakhs circuit kms of 220kV and above lines which form the backbone of the Indian Power System.

2. However, this huge network needs to be operated in a sustained and secure manner, particularly, during the time of natural disasters. Failure to do so leads to severe constraints not only in meeting the power demand but also poses serious problems in maintaining safety and security of the Grid. Difficult situations came to light in the wake of recent natural disasters, such as, floods in J&K and Phailin as well as Hud-Hud cyclone in Odisha and Andhra Pradesh. These disasters caused extensive damage to transmission networks resulting in wide spread disruption of many important transmission links and substations affecting power supply for long periods due to the time taken in restoration.

3. You would appreciate that under such adverse situations, the availability of an effective mechanism for emergent restoration of transmission lines in the shortest possible time is of utmost importance. Immediate and temporary restoration of transmission networks is possible by deploying the "Emergency Restoration Systems (ERS)." Grid Standards notified by the Central Electricity Authority(CEA) stipulate that every Transmission Licensee shall have an arrangement for restoration of transmission lines of at least 220kV and above through the use of ERS. However, presently the States do not possess such ERS infrastructure. Consequently, POWERGRID becomes the last resort whose ERS infrastructure is also limited.

4. Therefore, deployment of adequate ERS infrastructure with the States is necessary. In this connection, CEA had recently convened a meeting of the representatives from State Utilities, CTUs and RPCs to deliberate and review their preparedness to effectively restore transmission networks in times of emergency. Based on the inputs received, an indicative requirement of ERS for States has been assessed which is at Annex-I. Further, CEA has also formulated guidelines for planning, deployment and procurement of such ERS infrastructure (Annex-II).

5. I would, therefore, request you to please issue necessary directives to Transmission Utilities/Transmission licensees operating in your State to take stock, procure appropriate number of ERS infrastructure and place them at strategic locations. Action taken by the Utilities in this regard may be informed to the CEA and the Ministry of Power, at the earliest.

0 1

With regards,

Yours sincerely,

(Pradeep K. Sinha)

nly

Encl: as above

Shri Ramesh Negi Chief Secretary Govt of Arunachal Pradesh Itanagar

Dist: - As per list attached.

RIGHT TO INFORMATION

ANNEX-I

Availability and Proposed Plan for deployment of ERS

SI. No.	Region	State Utilities / PGCIL	Availabi lity of ERS sets	Additional t ERS set to be procured	Remark
<u> </u>			•		
I	Northern Region				
	PGCIL	NR1	. 3	1	۰.
		NR2	1	•	
	1	Haryana	· -	1	·
•	2	HP ·	· -	• 1	Hilly terrain
	3	J&K	а <u>с</u> –	1	-do-
	4	Punjab	-	2 .	·
	5	Rajsthan	-	3	
·	6	Uttar Pradesh		3	· · ·
	7	Uttarakhand		1	
	8	Chandigarh	-	-	· · · · · · · · · · · · · · · · · · ·
	9	Delhi	-	1	DTL is procuring 2 ERS sets
(100 100 100	42 R .	
	a a				
,		-			
	10	POWERLINKS	2		1 set each is located in NR and ER; each setting ^{1/2} having 1/4 towers of 400 kV
	Total		6	14	
II	Western Region				
	PGCIL	WR1	2	1	
	°. ⊥	WR2	2		•
	10	Gujarat		3	

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• •

	11	MP	1	2 -	· .
2	12	Chhattisgarh	-	6	
· ·	13	Maharashtra	2	2	
	14	Goa	-	1 -	·
	15	D&NH	-		
	16	Daman& Diu		-	
	Total		7	9	
1	Southern Region				
	PGCIL	SR1	· 1 ·	2	· ·
		SR2	1		
	17	АР	- · ·	3	(To be located at Vishakahapatnam, Vijawada, Nellore)
	18	Telengana	-	1	• • •
		Karnataka		2 ·	
	19	Kerala		1	· · · · · · · · · · · · · · · · · · ·
	20	Tamil Nadu		2	
	21	Lakshadweep			
	22	Puducherry			
	23	Fuddenerty	2	11	
	Total	PGCIL		·	
IV	Eastern Region		1		
	PGCIL	ER1	2		
		ER2	2	2	
	24	Bihar	- 4	1	
	25	Jharkhand	3	2(compris	Existing ERS located
	26	Orissa		ing of 12	at Bhubaneswar,
				nos. of 400kV towers	Chatrapur and Budhipada (each with 14 ERS towers)
	*, ,			which is	
				in the process of procurem	
			· · ·	ent).	
	27	West Bengal	-	2	

. i. .

8						
	29	A&N Island				
<u> </u>	-30	Sikkim	· · · · · ·		•	
-	Total		8 .	8.		
V ·	North Eastern Region			-		
	PGCIL	NER	1			
	31	Assam	4			-
	32	Manipur		2	e	
	33	Meghalaya				
	3,4	Nagaland]···		
	35	Tripura	-	1		· · ·
<u>.</u>	36	Ar. Pradesh	-			
	37	Mizoram .	-		•	
	Total		5	• 2		N
	Total All India		28	. 44		

Note: POWERGRID has informed that they are procuring 6 additional sets of ERS for different regions.

Strategy adopted

The primary criterion for deciding number of ERS to be arranged by a transmission utility has to be the length of transmission line (ckt-kms) at different voltage levels (e.g 220 kV, 400 kV, 765 kV and +/- 500kV HVDC). Other factors to be taken into account while deciding the number of ERS are

Importance of the line considering security of Grid

Areas prone to tower failure and failure pattern in different areas

Command area of the transmission utility and transportability across the command area

2.

1.

For any transmission utility, one set of ERS has been planned to cater to failure of towers for transmission line lengths of up to 5000 Ckt. Kms. Accordingly, two (2) sets of ERS have been planned for transmission line lengths of about 5000 to 10,000 Ckt. Kms. and three (3) sets for more than 10,000 Ckt. Kms and so on.

The transmission Utility with line length less than 500 ckt kms (of 400kV lines) may be given option either to procure ERS or have agreement with other transmission utilities for providing ERS on mutually agreed terms, when need arises.

GUIDELINES FOR PLANNING, PROCUREMENT AND DEPLOYMENT OF EMERGENCY RESTORATION SYSTEM (ERS)

- 1. One set of ERS should include all accessories [structures (Aluminum Alloy), polymer insulators & hardware, anchor assembly, guy wires, foundation plates, guy plate, other equipment & fittings, special Tools & Plants required for erection & stringing of ERS and trailer mounted detachable containers (without engine) for storage & transportation of ERS hardware / material etc.] and associated software.
- 2. One set of ERS shall be capable of restoring few numbers of suspension towers and tension towers of the transmission line corresponding to the highest transmission voltage in operation in the utility with required type of conductors. The same ERS can be used for lower voltage lines as well. The number of suspension, tension towers, insulators and associated hardware etc., to be included under one set of ERS, may be decided by the utilities at the time of procurement depending on their requirement.
- 3. Proper management of ERS and training of personnel for erection of towers on ERS and use of associated software is essential. A dedicated and specialized erection & commissioning gang, which is properly trained to execute such work, would be required.
- 4. ERS should be utilized only for emergency purposes and the line should be restored on normal towers as early as possible. It should not be a practice to run transmission line on ERS for a long time instead of shifting to normal towers. Moreover, ERS should not be used in new lines under construction. Otherwise, the very purpose of ERS will be defeated.
- 5. The deployment of ERS by any transmission utility / licensee should be reported to concerned RLDC and RPC.
- 6. The transmission utilities may approach Appropriate Commission for approval and initiate procurement process on urgent basis to comply with Grid Standards. Utilities may also approach State Disaster Management Authorities for funding.

7. The funding for procurement of ERS could be considered from PSDF for North Eastern States and a proposal be submitted by Member Secretary, NERPC.

Annex

List of Chief Secretaries of State and UTs

S. No. 1.	State Andhra Pradesh	Name and Address Shri I.Y.R. Krishna Rao Chief Secretary Government of Andhra Pradesh, Secretariat, Hyderabad-500022	Telephone/ Fax/Email Tel: 040-23453620 040-23455340 Fax: 040-040-23453700, 23451133, 23451144
2.	Arunachal Pradesh	Shri Ramesh Negi Chief Secretary & Principal Secretary (Relief & Rehabilitation & Disaster Management) Arunachal Pradesh Civil Secretariat, Government of Arunachal Pradesh, Itanagar- 791 111	Tel: 0360-2212595 Fax: 0360-2212446, 2215719 M: 9436040035
3.	Assam	Shri Jitesh Khosla Chief Secretary Government of Assam, Assam Sachivalaya, Block C, 3rd Floor, Dispur, Guwahati-781006	Tel: 0361-2261120, 2261403 Fax:-0361-2260900
4.	Bihar	Shri Anjani Kumar Singh Chief Secretary Government of Bihar Old Secretariat, Patna-800015	Tel: 0612-2215804 Fax: 0612-2217085
5.	Chattisgarh	Sh. Vivek Kumar Dhand Chief Secretary Government of Chattisgarh, DKS Bhawan, Mantralaya, Raipur-492001	Tel: 0771-2221207/8 Fax: 0771-2221206
6.	Goa	Shri R.K. Srivastava Chief Secretary Govt. of Goa Secretariat Porvorim	Tel: 0832-2419402 Fax: 0832-2415201
7.	Gujarat	Shri D.J. Pandian Chief Secretary Government of Gujarat New Sachivalaya Gandhingar-382010	Tel: 079-23220372, 079-23250301-3 Fax: 079-23250305
8.	Haryana	Shri. P.K. Gupta Chief Secretary Government of Haryana, Room No4, 4 th floor, Harayana, Civil Secretariat, Sector-1, Chandigarh-160009	Tel: 0172-2740118 Fax: 0172-2740317
9.	Himachal Pradesh	Shri P. Mitra Chief Secretary Government of Himachal Pradesh Secretariat, Shimla- 171002	Tel: 0177-2621022 Fax: 0177-2621813

10.	Jammu & Kashmir	Sh. Mohammad Iqbal Khandey Chief Secretary Government of J &K Jammu Secretariat, Jammu	Tel: 0191-2546773, 2544338 (Jammu) Fax: 0191-2546188
11.	Jharkhand	Shri Sajal Chakrabarty Chief Secretary Government of Jharkhand Secretariat, Ranchi-834004	Tel: 0651-2400240, 2400250 Fax: 0651-2400255
12.	Karnataka	Shri Kaushik Mukherjee Chief Secretary Government of Karnataka 3rd Floor, R. No. 320, Vidhan Sauda, Secretariat, Bangalore-560001	Tel: 080-22252442, 22092476 Fax: 080-22258913
13.	Kerala	Ms E K Bharat Bhushan Chief Secretary Government of Kerala Secretariat, Thiruvananthapuram-695001	Tel: 0471-2333147, 2327376 Fax: 0471-2327176
14.	Madhya Pradesh	Shri Anthony J C Desa Chief Secretary Government of Madhya Pradesh Mantralaya, Vallabh Bhawan, Bhopal-462004	Tel: 0755-2441370, 2441848 Fax: 0755-2441521
15.	Maharashtra dscsoffice @gmail.com	Shri Swadheen S Kshatriya Chief Secretary Government of Maharashtra Mantralaya, Mumbai-400032	Tel: 022-22852626 22025042,22028762 22793762 Fax: 022-22028594
16.	Manipur	Shri P.C. Lawmkunga Chief Secretary Government of Manipur Manipur Secretariat, Imphal-790001	Tel: 0385-2451144, 2450064 Fax: 0385-2452629
17.	Meghalaya	Shri P B O Warjri Chief Secretary Government of Meghalaya,Meghalaya Civil Secretariat Shillong-793001 Email: barkos.warjri@nic.in	Tel: (O)0364-2224801, 222250, Mob:-9774033922 , (R)-0364-2534629 Fax: 0364-2225978
18.	Mizoram	Shri Lalmalsawma Chief Secretary Government of Mizoram, Block C, Civil Secretariat, Aizwal- 796001	Tel: 0389-2322411 Fax: 0389-2322745
19.	Nagaland	Shri M.T. Aier Chief Secretary Government of Nagaland Nagaland Civil Secretariat, Kohima-790001	Tel: 0370-2270082, 2270076 Fax: 0370-2270057
20.	Orissa	Shri Gokul Chandra Pati Chief Secretary Government of Orissa Secretariat, Bhubaneshwar- 751001	Tel: 0674-2534300, 2536700 Fax: 0674-2536660
21.	Punjab	Shri Sarvesh Kaushal Chief Secretary Government of Punjab Punjab Secretariat, Chandigarh-160017	Tel: 0172-2740156, 2740860 Fax: 0172-2742488, 2740936

22.	Rajasthan	Shri C.S. Rajan Chief Secretary Government of Rajasthan Secretariat, Jaipur-302001	Tel: 0141-2227254 Fax: 0141-2227114
23.	Sikkim	Smt. Rinchen Ongmu Chief Secretary Government of Sikkim Secretariat, Gangtok- 737101	Tel: 03592-202315, 204323 (fax) Fax: 03592-222851 03592-204323
24.	Tamil Nadu	Shri. K. Gnanadesikan Chief Secretary Government of Tamil Nadu Secretariat, Chennai-600009	Tel: 044-25671555 Fax: 044-25672304
25.	Tripura	Shri G. Kameswara Rao Chief Secretary Government of Tripura Civil Secretariat, Agaratala-799001	Tel: 0381-2323200, 2324392 Fax: 0381-2324013
26.	Uttar Pradesh	Shri Alok Ranjan Chief Secretary Government of Uttar Pradesh Secretariat, Lucknow-226001	Tel: 0522-2621599 0522-2238212 0522-2238212 Fax: 0522-2239283
27.	Uttarankhand	Shri N. Ravi Shanker Chief Secretary Government of Uttarakhand 4, Subhash Road, Secretariat, Dehradun-248001	Tel: 0135-2712094 0135-2712100, 2712200 Fax: 0135-2712113 0135-2712500
28.	West Bengal	Shri Sanjay Mitra Government of West Bengal Secretariat, Writers Building Kolkata-700001	Tel: 033-22145858 Fax: 033-22144328
29.	Andaman & Nicobar	Sh. Anand Prakash Chief Secretary Secretariat & Administration, Government of Andaman & Nicobar Islands, Port Blair	Tel: 03192-233110, 234087 Fax: 03192-231100, 03192-232656
30.	Chandigarh	Shri K.K. Sharma Advisor to Administrator Union Territory of Chandigarh, Punjab Raj Bhawan, Sector – 6 Chandigarh-160017	Tef: 0172-2740154 Fax: 0172-2740317 0172-2740165
31.	Dadra & Nagar Havelli	Shri Ashish Kundra Administrator Government of Dadra & Nagar Havelli, Secretariat, Silvassa-396230	Tel: 0260-2230700 2642777 Fax: 0260- 2230775 0260-2642702
32.	Daman & Diu	Shri Ashish Kundra Administrator Secretariat Daman, Government of Daman & Diu, Daman & Diu	Tel: 0260-2230770, 2230700 Fax: 0260-2230775

33.	Delhi	Shri D.M. Spolia Chief Secretary Govt of NCT Delhi, Delhi Secretariat, I.P. Estate, New Delhi- 110002	Tel: 011-23392100 Fax: 011-23392102
34.	Lakshadweep	Shri H. Rajesh Prasad Administrator Union Territory of Lakshadweep, Kavaratti, Lakshadweep-682555	Tel: 04896-262255, 262279 Fax: 04896-262184
35.	Puducherry	Shri Chetan B Sanghi Chief Secretary Puducherry Administration, Chief Secretariat, 1 Beach Road, U.T. of Puducherry, Puducherry- 605001	Tel: 0413-2334145 0413-2335512 Fax: 0413-2337575
36.	Telangana	Dr. Rogiv Sharma, Chief Secretary,	

Chief Secretary, Govto of Telangana, Hyderabad.

Annexure-I

Agenda: Approval for utilization of free space of extended 220 kV switchyard owned by MeECL at 400/220kV Misa Substation(PGCIL) for construction of 02 nos of 220 kV Line bays originating from proposed 220 kV Sankardevnagar GIS(AEGCL) being constructed under AIIB Funded AISTSEP.

During 5th SCM of NER held in Aug'15, 2 nos 220kV bays viz. Mariani (PG) & Mariani (AEGCL) released at Misa upon upgradation of 400kV New Mariani - Misa section (op. at 220 kV) was approved for termination of 220kV Misa-Sankardev Nagar D/C TL at Misa by AEGCL. Subsequently, approval was also accorded in 15th NERPC in Aug'15.

Accordingly, a joint visit of AEGCL & POWERGRID was carried out on 05th July'23 at Misa S/s for exploring the feasibility for connectivity of 220 kV D/C Sankardevnagar- Misa TL at 400/220kV Misa (POWERGRID).

A) On visiting the site, it was observed that connectivity to the allotted bays is not feasible for the following reasons: -

(i)The line corridor is narrow and overcrowded (Blue box) due to the very close proximity of existing 220 kV Misa-Dimapur D/C TL & 400kV Misa-Mariani D/C TL as shown in the figure below.



(ii) The construction of tower with extension to cross the existing 220kV Dimapur TL will fall in the adjacent pond area and for which, special tower with special foundation will have to be considered.

B) In view of the constraints as stated above, exploration was carried out and it was found that space for 02 nos of bays are available in extended 220kV yard where MeECL owned Byrnihat D/C Line bays are terminated and is found to be feasible for following reasons:

(i)The said bays are spare due to upgradation of old Mariani and new Mariani feeder from 220kV to 400kV through GIS bays in June, 2021.

(ii) Further, the termination in this space is found to be hassle free as the line entry to this area is clear from any obstruction (Yellow box).



On the above backdrop, it is found that utilisation of above space for construction of two new Line bays for termination of 220kV Misa-Sankardev Nagar D/C TL at Misa seem reasonable for AEGCL.

Construction of 220 kV Sankardevnagar-Misa TL is part of Package E, being implemented by AEGCL under AIIB funded AISTSEP and M/s Godrej & Boyce is the EPC. The contract start date is 09.04.2022 and closing date is 09.04.2025.

Hence, the matter is placed in OCC for according necessary approval for utilization of free space in the extended 220 kV switchyard owned by MeECL at Misa Substation so that constructional activities for 02 nos of 220 kV line bays can be initiated by AEGCL at an early date.

Station name (As per Monthly Generation Report of
CEA):

Organisation:

Unit wise Monthly generation Program for the year 2024-25

Annex-I

1. Contact Details

Sr. no	Name	Designation	email	Phone no.	Fax. no.					
1										
2										

2. Units existing on 31.03.2023

Month	Unit No.	Capacity (MW)	Date of commissioni		2023-24 gen	eration detail	s (MU)	2024-25 generation details (MU)			Remarks
			ng	Program for 2023 24		Total Anticipated Gen for 2023-24 (MU)	Reason for low generation (if any)	Anticipated maximum Generation capability (MU)		n for	

	3. Units Commissioned during 2023-24										
Month	Unit No.	Capacity (MW)	Date of commissioni		2023-24 gen	2024-25 gen (I	Remarks				
			ng	Program for 2023- 24	Total Anticipated Gen for Aug 23 to March 24 (MU)	Total Anticipated Gen for 2023-24 (MU)	Reason for low generation (if any)	Anticipated maximum Generation capability (MU)		n for	

4. Units likely to be commisioned during 2024-25

Month	Unit No.	Capacity	Expected	Expected Generation	Remarks
		(MW)	date of	2024-25 (MU)	
			commissioni		
			ng		
			-		

5. Loss of Generation due to Grid Constraints/ Low schedules /fuel related issues during 2023-24

Transmission Constraints/ power evacuation problems/ low schedule/high fuel cost

S No.	Details of the Constraint	Loss so far	[.] (Apr'23-Jul'23)	during 2023-24		
				Anticipated Period of constraint	Anticipated loss of generation (MU)	

6. Unitwise PPA details

	1	1															
Unit	Capacit			With DISCON	И			With State Trading Cos.			v	With PTC / other trading cos.				Untied	
No.	y (MW)																(MW)
		State of	Type of	Quantum	Dura	tion of PPA	Quantum	Type of PPA(Base	b/b PPA	quantu	Duration of PPA	Quantum	Туре	b/b	quant	Duration of PPA	1
		Discom	PPA(Base	(MW)			(MW)	laod or Peak Load)	with Discom	m of		(MW)	of	PPA	um of		
			laod or						(name of	b/b			PPA(with	b/b		
			Peak						Discom)	PPA in			Base	Disco	-		
			Load)							MW			laod	m (in		
			-		From	То					From To		or	name	мw	From To	
													Peak	of			
													Load)	Disco			
														m)			
														-			
	1																

7(a)Coal Linkage for coal based plants

Month	Unit No	Domestic linkage (MT)	Source	PLF from this coal linkage during the year
				(%)

8. Cost of Generation:

Unit No	Cost	of Gen.	Rate of
	(Pais	e/kwh)	Sale of
			Power
			(Paise/k
			wh)
	Fixed	Variable	
	Charge	charge	
		_	

7(b)Gas availibility for gas based stations

	•		
Unit	Varoiu	Figures	PLF from
No.	s	in	this gas
	source	MMSCM	availibility
	s	D	during the
			year (%)

Annex-IIA

Planned maintenance Schedules including R&M activities

Station name	Unit No.	Capacity (MW)	R&M Schedule	
			From date	To date

A) R&M of Units likely to be completed during 2023-24 & 2024-25

B) Annual Overhaul/ Boiler overhaul

Station name	Unit No.	Capacity (MW)	AOH Schedule		
			From date	To date	

C) Capital Overhaul

Station name	Unit No.	Capacity (MW)	COH Schedule		
			From date	To date	

D) Other maintenance if not included above such as PG tests (new units) and Boiler inspection

Station name	Unit No.	Capacity (MW)	Sche	Reason	
			From date	To date	

Actual and Planned maintenance Schedules including R&M activities

A)

Station name	Unit No.	Capacity (MW)	From date	To date	No. of Days	Outage reason

B)

Planned Maintenance Schedule during remaining months of 2023-24

Station name	Unit No.	Capacity (MW)	From date	To date	No. of Days	Outage reason

Format for unit wise outage schedule of generating stations

Annex-III

	Outage 1				Outage 2 of same unit				Outage 3 of same unit				Outage 4 of same unit				Outage 5 of same unit								
		STATION	DECION		ORGANIZATION/			Outage_R		From Data		Outage_R				Outage_R		From_Dat		Outage_R		From_Dat		Outage_R	
STATION NAME	UNIT NO.	ТҮРЕ	REGION	STATE	UTILITY	From_Date	To_Date	eason	Remarks	From_Date	To_Date	eason	Remarks	From_Date	To_Date	eason_ID	Remarks	e	To_Date	eason_ID	Remarks	e	To_Date	eason	Remarks

Note: Please don't leave any cell blank in columns of STATION NAME, UNIT NO., STATION TYPE, REGION, STATE, UTILITY.