भारत सरकार Government of India
विद्युत मंत्रालय Ministry of Power
उत्तर पूर्वी क्षेत्रीय विद्युत समिति
North Eastern Regional Power Committee
एन ई आर पी सी कॉम्प्लेक्स, डोंग पारमाओ, लापालाङ, शिल्लोंग-७९३००६, मेघालय
NERPC Complex, Dong Parmaw, Lapalang, Shillong - 793006, Meghalaya

To
As per list attached

Sub: 88वीं संरक्षण समन्वय उप-समिति (पीसीसी) बैठक का एजेंडा/ Agenda for the 88th Protection Coordination Sub-Committee (PCC) Meeting

Sir/Madam,

Please find enclosed herewith the agenda for the 88th PCC Meeting to be held at NERPC Conference Hall, Shillong on 19th February 2026 for your kind information and necessary action. The agenda is also available on the website of NERPC: www.nerpc.gov.in.

भवदीय / Yours faithfully,

कंचन चौहान
16/02/2026
(कंचन चौहान / Kanchan Chauhan)
उप निदेशक / Dy. Director

11. GM (Transmission), TPTL, Bidyut Bhaban, Banamalipur, Agartala -799 001.
12. Chief Engineer (WE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791111
13. Chief Engineer (TP&MZ), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791111
14. Chief Engineer (Commercial) -cum- CEI, DoP, Govt. of Arunachal Pradesh, Itanagar- 791111
15. Engineer-in-Chief, P&E Department, Govt. of Mizoram, Aizawl – 796 001
16. Engineer-in-Chief, Department of Power, Govt. of Nagaland, Kohima – 797 001
17. ED (O&M), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
18. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
19. Group GM, NTPC, Bongaigoan Thermal Power Project, P.O. Salakati, Kokrajhar- 783369
20. Vice President (Plant), OTPC, Badarghat Complex, Agartala, Tripura – 799014
21. ED, PGCIL/NERTS, Dongtieh-Lower Nongrah, Lapalang, Shillong -793 006
22. AGM (BD), NVVN, Core 5, 3rd floor, Scope Complex, 7 Institutional Area, Lodhi Rd., N. Delhi-3
23. Vice President, PTCIL, 2nd Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi – 110066
24. Dy. COO, CTUIL, “Saudamini”, 1st Floor, Plot No. 2, Sector-29, Gurugram, Haryana – 122001
25. Chief Engineer, GM Division, Central Electricity Authority, New Delhi – 110066
26. Chief Engineer, NPC Division, Central Electricity Authority, New Delhi – 110066
27. ED, NERLDC, Dongtieh, Lower Nongrah, Lapalang, Shillong -793 006
28. CGM, AEGCL, Bijuli Bhawan, Guwahati – 781001
29. CGM, APGCL, Bijuli Bhawan, Guwahati – 781001
30. CGM, DISCOM, Bijuli Bhawan, Guwahati – 781001
31. Head of SLDC, Dept. of Power, Govt. of Arunachal Pradesh, Itanagar – 791111
32. CGM, (LDC), SLDC Complex, AEGCL, Kahilipara, Guwahati-781 019
33. Head of SLDC, MSPCL, Imphal – 795001
34. Head of SLDC, MePTCL, Lumjingshai, Short Round Road, Shillong – 793 001
35. Head of SLDC, P&E Deptt. Govt. of Mizoram, Aizawl – 796 001
36. Head of SLDC, Dept. of Power, Govt. of Nagaland, Dimapur – 797103
37. Head of SLDC, TSECL, Agartala – 799001
38. Chief Engineer (Elect), Loktak HEP, Vidyut Vihar, Kom Keirap, Manipur- 795124
39. DGM (O&M), OTPC, Badarghat Complex, Agartala, Tripura – 799014
40. Director, NETC, 2C, 3rdFloor, D21Corporate Park, DMRC Building Sector 21, Dwarka, Delhi-77
41. AGM Regulatory & Commercial, NER II TL, 10th Floor, Berger Tower, Noida sector 16B-201301
42. Project Head, NERPSIP/PGCIL, Pub Suraj Nagar, Nutun Bazar, Kahelipara, Guwahati- 781019
43. ED, Comprehensive Scheme (Ar. Pradesh), PGCIL, Tayeng Building, Nitivihar, Itanagar-791111

(कंचन चौहान/Kanchan Chauhan)
उप निदेशक/Deputy Director
परिचालन/ Operation

सत्यमेव जयते

Agenda for

88th PCCM

Govt. of India

Ministry of Power

North Eastern Regional Power Committee

Shillong

North Eastern Regional Power Committee

Agenda for

88th Protection Coordination Sub-Committee Meeting

Date: 19/01/2026 (Thursday)

Time: 11:00 hrs.

Venue: NERPC Conference Hall, Shillong

A. CONFIRMATION OF MINUTES

1. CONFIRMATION OF MINUTES OF THE 87th PROTECTION SUB-COMMITTEE MEETING OF NERPC.

Minutes of the 87th PCC Meeting held on 19th January, 2026 at NERPC Conference Hall, Shillong was circulated vide letter No.: CEA-GO-NE-04)42)/1/2026-NERPC dtd. 02.02.2026

No comments were received from the constituents

Sub-committee may confirm the minutes of the 87th PCCM

B. ITEMS FOR DISCUSSION

B.1 Protection Audit of NER:

As per the protection code of IEGC 2023 following roles and responsibilities, related to the subject mentioned, of constituents have been defined–

Description		Constituent	Responsibility	Timeline
Audit	Internal Audit	All users (132kV and above)	Shall conduct internal audit of protection system	Annually
			Audit report to be shared with RPC	Within 30 days of Audit
			Action plan for rectification of deficiencies to be shared with RPC	Within 30 days of Audit
	Third party Audit	All users (132kV and above)	Shall conduct audit for each SS	Once in five years
			Shall conduct audit on advice of RPC	Within three months of advice of RPC
			Audit report* to be submitted to RPC and NERLDC/SLDC	Within a month of submission of third-party audit report
			Action plan for rectification of deficiencies	Same as above
		RPC	Compliance to audit reports to be followed up regularly	Not specified
		RPC	After analysis of any event, shall identify substations where audit is required to be carried out	Conditional responsibility
	Annual	All users	Annual audit plan to be	Annual

	audit plan		submitted to RPC by ***31st October***	

Background: In 60th PCCM the following points were discussed-

Member Secretary NERPC informed that third party protection audit has to be generally conducted by the utilities on their own. However, the 3rd party audit will be carried out by team constituted by NERPC at selected substations based on the criticality, analysis and requirement. In this regard, NERPC has already circulated an audit calendar and audit formats for reference of the constituents.

The nodal officers of respective State/Power Utilities have to fill the audit formats and submit to the NERPC secretariat within 1 week. The forum decided that compliance to audit reports will be followed up regularly in PCC meeting of NERPC.

Information regarding substations that have already been audited will be provided by States to NERPC & NERLDC. **Forum agreed that all users (132 kV and above) have to conduct Internal Audit annually and submit audit report to RPC with action plan for rectification of deficiencies within 30 days of Audit.**

Regarding audit plan of utilities, the forum requested the utilities to furnish the list of substations and audit (internal as well as third party) schedule for FY 2024-25. A google spreadsheet has been circulated to the constituents by NERLDC to provide the schedule of protection audit as well as date of last audit. The forum requested the constituents to update the spreadsheet.

Status of Internal/External audit (87th PCCM)

Sr No	Utility/ Constituents	Internal Audit		External audit	
		Latest Status	**report**	**Latest Status**	**report**
1.	Ar. Pradesh	Audit of Daporijo, Khuppi and Tenga done. (Total Substation: 09)	Report for Daporijo shared. Report for Khuppi and Tenga will be shared shortly	Planning and Tendering will be done for audit of all 9 SS (3 done by NERPC). Bid document prepared	NA

				and proposal has been put up to the government for funding approval.	
2.	Assam	Done. (Total Substation: 82)	All the reports will be shared by Jan 25.	CPRI has provided the budgetary offer, which comes around 5 lakhs per substation, which may cause huge financial burden on the AEGCL. Therefore, the matter is being pursued with AERC for inclusion of the cost in the tariff. Meetings with AERC are underway.	
3.	Manipur	completed (Total Substation: 17)	Report for 8 SS submitted to NERPC	17 SS to be done, Schedule to be decided, subject to law and Order situation. MS NERPC advised MSPCL to identify the substations for which NERPC can conduct the audit. Audit of Yurembam ss, Ningthounkong ss and Imphal (PG) were done by NERPC in Aug'25	NA
4.	Meghalaya	Only 3 SS left (Total	Reports of 6 SS submitted, rest	Audit of 19 substations done, 13	Report for 5 substations

		Substation: 22)	by next week.	by CPRI and 6 by NERPC	to be submitted by this month.
5.	Mizoram	Audit of 3 substations done, rest 10 will be done by Feb'26. MRT team facing fund constraints for conducting the audits, the matter is being pursued with the higher authorities. (Total Substation: 13)		Under discussion at higher level for financial implications. Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and Luangmual were done by by NERPC in October'25.	
6.	Nagaland	9 out of 11 SS done. Rest will be conducted by Feb'26.	Reports for 9S/s has been submitted.	Audit of six Substations has been done by NERPC in Jan'26.	
7.	Tripura	9 done, rest will be done by 15 FEB'26 (Total Substation: 18)	Reports for 9 S/S has been shared.	ERDA has emerged lowest bidder for the audit. In 1st phase 9 substations will be audited. LoA is in process and also timeline of audit is being finalized.	
8.	Powergrid (NERTS)	22 Substations. Audit of 18 SS	Report for 16 S/s has been shared.	Budgetary offer will be taken after SAS upgradation of Misa	

		done		and Balipara. Audit of 9 substations have been done by NERPC so far, which includes recently conducted audit of Dimapur and Mokokchung done by NERPC.	
9.	NTL	Audit of P K Bari and S M Nagar to be done in March'26.		Feb, March'26	
10	KMTL	absent			
11	MUML/NBTL	For MUML – Jan'26 For NBTL – Dec'25 (no further update cold be taken as the utility was absent)		MUML- Planned in March'27 NBTL -done, reports to be shared by end of Dec'25 (no further update cold be taken as the utility was absent)	
12	NEEPCO (Total Substation: 10)	Completed.	Audit report of Khandong and Turial submitted. For rest, will be submitted shortly	Audit of Kameng done by PRDC on Dec'25. Turial in 1st week of Feb'26 by CPRI. AgBPS audit was done in 2023, so the next audit will be planned later. Kopili and Khandong generators have been recommissioned	Report of Kameng will be submitted as soon as it is provided by PRDC

				recently so they will be audited next year.	
13.	OTPC (Palatana)	Done in October'25	shared	Done in 2024	shared
14.	NTPC (BgTPP)	Done		Done (by CPRI) during 2024. 3 audit recommendation compliance done and report submitted to NERPC.	Complete Report shared. Action plan shared.
15.	NHPC (Loktak)	To be done in Dec'25 (no further update cold be taken as the utility was absent)		Done by PRDC in Sep'25	Report to be shared shortly. (no further update cold be taken as the utility was absent)
16.	APGCL	No representative			
17.	TPGCL				
18.	MEPGCL	All done	All reports shared	Budgetary offer received from CPRI, CBIP and PRDC. Financial approval from higher authorities pending	
19	Dikshi HEP (IPP)	Audit done in Nov'25.	Report shared report submitted to the state.	Feb'26	

B.2 Protection settings approval for REGS in NER

NER is witnessing rising number of Solar parks. Most of these plants are or planned to be connected to intra-state grid, for which FTC clearance is to be provided by respective SLDC and protection approval is to be provided by NERPC, if connection with the grid is at or above 132kV level.

Solar plant developer has to ensure compliance with NERPC protection philosophy and CEA's Technical Standard for connectivity to the Grid (Amendment) regulation 2019 with respect to HVRT and LVRT settings of Inverter.

Since, REGS developers are not members of NERPC, they remain unaware of the decisions, which affect them,taken in the sub-committee meeting of NERPC. Therefore, SLDCs are requested to sensitize the Developers about the FTC procedures in order to avoid potential violation of the CEA regulations and inordinate delays in commissioning of such projects.

Forum may deliberate

B.3 Analysis and Discussion on Grid Disturbances which occurred in NER grid in January'25 in compliance with IEGC 2023:

TABLE 8 : REPORT SUBMISSION TIMELINE

Sr. No.	Grid Event^ (Classification)	Flash report submission deadline (users/ SLDC)	Disturbance record and station event log submission deadline (users/ SLDC)	Detailed report and data submission deadline (users/ SLDC)	Draft report submission deadline (RLDC/ NLDC)	Discussion in protection committee meeting and final report submission deadline (RPC)
1	GI-1/GI-2	8 hours	24 hours	+7 days	+7 days	+60 days
2	Near miss **event**	8 hours	24 hours	+7 days	+7 days	+60 days
3	GD-1	8 hours	24 hours	+7 days	+7 days	+60 days
4	GD-2/GD-3	8 hours	24 hours	+7 days	+21 days	+60 days
5	GD-4/GD-5	8 hours	24 hours	+7 days	+30 days	+60 days

^*The classification of Grid Disturbance (GD)/Grid Incident (GI) shall be as per the* CEA Grid Standards.

The forum may deliberate upon the GD/GI/near miss events that occurred in February 2025 based on the draft report prepared by NERLDC.

B.4 Status of submission of FIR, DR & EL outputs for the Grid Events for the month of Jan'2026:

In line with regulation 12 (1) of CEA Grid Standards Regulations and IEGC-23 provision under clause 37.2 (c), FIR and DR & EL Outputs for each grid events are required to be submitted by concerned utilities to NERLDC for detailed investigation and analysis.

Status of uploading of FIR, DR & EL outputs of tripping of transmission elements in Tripping Monitoring Portal for events from 01-01-2026 to 31-01-2026 as on **10-02-2026** is given below:

Owner Name	**Total No of FIR/ DR/EL/TR to be submitted (SEND+REND)**	**FIR**		**DR**		**EL**	
		Total Furnished in 24hrs %	Total furnished %	Total Furnished in 24hrs %	Total furnished %	Total Furnished after 24hrs %	Total furnished %
AEGCL	22	18%	100%	18%	100%	27%	100%
DoP, Arunachal Pradesh	9	0%	100%	22%	100%	11%	100%
DoP, Nagaland	7	14%	100%	14%	100%	14%	100%
MePGCL	1	0%	100%	0%	100%	0%	100%
MePTCL	1	0%	100%	100%	100%	0%	100%
NEEPCO	13	31%	69%	46%	69%	38%	54%

NHPC	10	0%	40%	0%	20%	0%	30%
NTPC	1	0%	0%	0%	100%	0%	0%
OTPC	1	0%	100%	0%	100%	0%	100%
P&ED, Mizoram	1	0%	0%	0%	0%	0%	0%
POWERGRID	18	56%	94%	56%	94%	50%	94%
TSECL	4	50%	50%	25%	50%	50%	50%

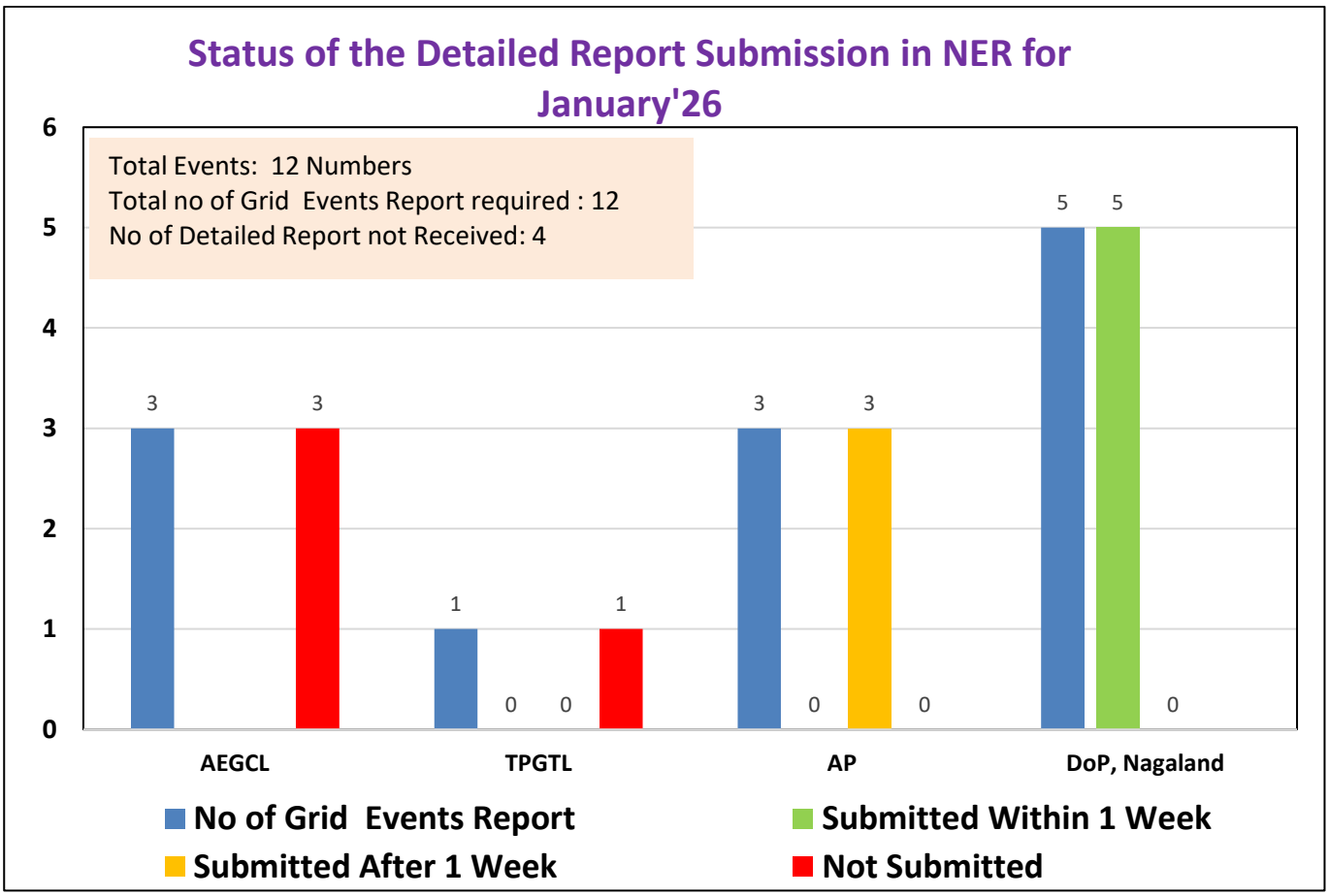
Concerned Utilities are requested to upload Disturbance Recorder (DR), Event Logger (EL) outputs for grid events along with a First Information Report (FIR) in Tripping Monitoring Portal (https://tripping.nerldc.in/Default.aspx) for analysis purpose. In light of the cybersecurity measures implemented by Grid India to safeguard sensitive information, NERLDC has created the email address nerldcso3@gmail.com . This new account has been specifically set up to facilitate the secure exchange of DR and EL files that have previously faced blockage when sent to nerldcprotection@grid-india.in.

Also, all utilities are requested to nominate a nodal officer responsible for the submission of FIR, DR & EL in Tripping Monitoring Portal (https://tripping.nerldc.in/Default.aspx)

Members may discuss.

B.5 Submission of Detailed Report by User/SLDC as per IEGC-2023:

As per IEGC-2023, all User/SLDCs are requested to prepare and share **Flash Report** and **Detailed Report** with **NERLDC** and **NERPC** following any Grid Events as per the timeline mentioned in the cl 37.2(f). Status of submission of the Detailed Report for the month of **Jan'2026** as on **10-02-2026** is shown below:



All the utilities are requested to promptly share all the necessary information such as FIR, DR, EL and Reports (Flash Report & Detailed Report) as per the specified timeline mention in the Grid Code-2023.

Members may discuss.

B.6 <u>Submission of Protection Performance Indices by Transmission Utilities for Jan'26:</u>

As per Regulation No. 15(6), Protection Code - Users shall submit the following protection performance indices of previous month to their respective RPC and RLDC on monthly basis for 220 kV and above (132 kV and above in NER) system by 12th of every month for previous month indices, which shall be reviewed by the RPC.

The submission status as on 9th Feb'2026 as tabulated below:

Sl. No.	Name of Transmission Licensee	D= (Nc/	S= (Nc/	R= (Nc/	Remarks

		Nc+Nf)	Nc+Nu)	Nc+Ni)	
1	NETC	-	-	-	Submitted (No bay owned by NETC)
2	MUML	-	-	-	Submitted (No tripping during Jan'26)
3	NBTL	-	-	-	Submitted (No tripping during Jan'26)
4	NTL	**Not Submitted**			
5	KMTL	-	-	-	Submitted (No tripping during Jan'26)
6	MePTCL	1	1	1	
7	TPTL	1	1	1	
8	DoP Nagaland	1	**0.28**	**0.28**	**5 numbers of unwanted operation**
9	DoP Arunachal Pradesh	**0.5**	1	**0.5**	**3 numbers of failed operation**
10	POWERGRID	1	1	1	
11	AEGCL	**Not Submitted**			
12	MSPCL	**Not Submitted**			
13	Mizoram	**Not Submitted**			

Sl. No.	**Name of Generating Company**	**D=**	**S=**	**R=**	**Remarks**
		(Nc/Nc+Nf)	**(Nc/Nc+Nu)**	**(Nc/Nc+Ni)**	
1	NTPC(Bgtpp)	1	1	1	-
2	OTPC(Palatana)	1	1	1	-
3	MePGCL	1	1	1	
4	NHPC (Loktak & Subansiri)	**Not Submitted**			
5	TPGCL	**Not Submitted**			
	NEEPCO				

6	Kameng	1	1	1	-
7	Panyor	-	-	-	Submitted (No tripping during Jan'26)
8	Pare	-	-	-	Submitted (No tripping during Jan'26)
9	Kopili	-	-	-	Submitted (No tripping during Jan'26)
10	Khandong	-	-	-	Submitted (No tripping during Jan'26)
11	Doyang	1	1	1	-
12	AGBPP	1	**0.5**	**0.5**	**2 numbers of unwanted operation**
13	AGTCCPP	1	1	1	-
14	Monarchak	1	1	1	Submitted (No tripping during Jan'26)
15	Tuirial	-	-	-	Submitted (No tripping during Jan'26)

Therefore, all Users are requested to furnish and ensure performance indices (Dependability-D, Security-S, Reliability-R) with regards to the tripping of elements to NERPC & NERLDC positively by **12th** of every month for previous month indices in compliance with IEGC.

B.7 Mock Testing of System Protection Scheme (SPS) for FY 2025-26:

As per Clause 16.2 of IEGC-23, for the operational SPS, RLDC or NLDC, as the case may be, in consultation with the concerned RPC(s) shall **perform mock testing** for reviewing SPS parameters & functions, **at least once in a year**. RLDC

or NLDC shall share the report of such studies and mock testing including any short comings to respective RPC(s).

The list of the remaining **ISTS scheme** need to be tested are listed below:

Sl. No.	**Name of SPS**	**Tentative date of performing mock testing**
1	**SPS/MS/001:** SPS related to reliable power supply to Arunachal Pradesh & Assam through the 132 kV Roing - Chapakhowa D/C line	SPS to be kept OFF as per system requirement. Scheme reviewed during 87th PCC Meeting & the forum opined that the mock testing of the SPS will continue to be conducted as per relevant regulations. **AEGCL to update the status of mock testing**
2	**SPS/TR/004:** Outage/tripping of 400kV Palatana -Silchar D/C Line when both modules of Palatana are in service	SPS to be kept OFF as per system requirement. Scheme reviewed during 87th PCC Meeting & the forum opined that the mock testing of the SPS will continue to be conducted as per relevant regulations. **AEGCL to update the status of mock testing**

The list of the remaining **state scheme** needs to be tested are listed below:

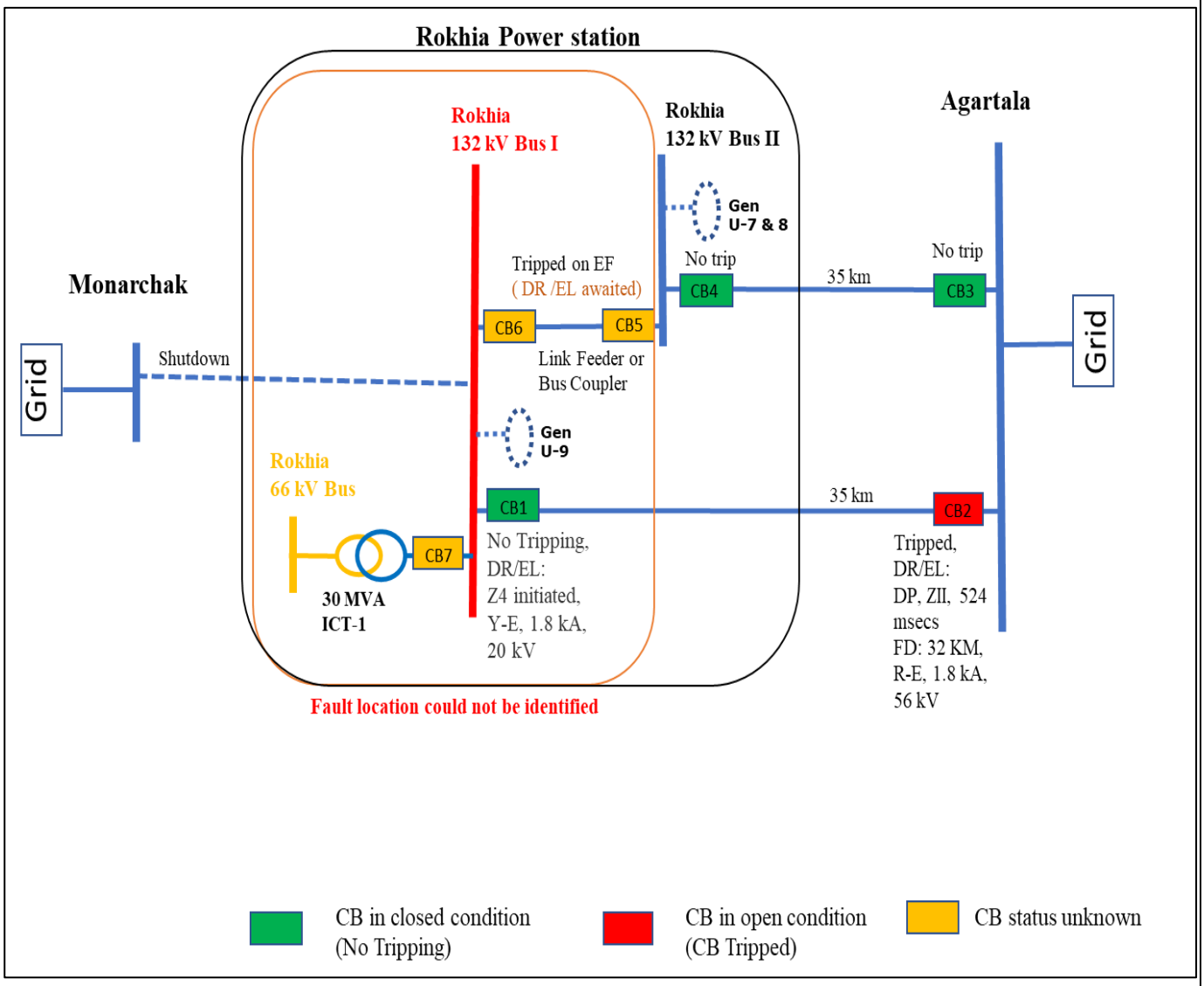
Sl. No.	**Name of SPS**	**Tentative date of performing mock testing**
1	**SPS/AS/001:** Overloading of 220 kV BTPS - Salakati D/C Line	Yet to be scheduled by AEGCL

2	**SPS/AS/004:** Outage/tripping of 220 kV Azara-Sarusajai D/C Line	During 87th PCC meeting AEGCL informed that Mock testing of tentatively scheduled in Feb'26
3	**SPS/AS/005:** SPS related to tripping of 220 kV Misa- Samaguri DC Line	Yet to be scheduled by AEGCL

It is to be noted that mock testing of the above-mentioned SPS for FY 2025–26 needs to be conducted on an urgent basis by March 2026, as mandated under IEGC 2023.

B.8 Grid Incident at the Rokhia area of Tripura dated 12th Jan'26:

132 kV Monarchak – Rokhia line (Under PSD from 07:19 Hrs of 12-01-2026). Rokhia power station was radially feeding through 132 kV Rokhia – Agartala I & 2 lines.



Rokhia Bus, I connected through 132 kV Rokhia – Agartala 2 line and Rokhia Bus II connected through 132 kV Rokhia – Agartala I line.

At 19:19 Hrs, due to Y-E fault in the system, 132 kV Rokhia – Agartala 2 line & Bus coupler at Rokhia tripped resulting into the loss of Rokhia generation & downstream loads connected to Rokhia S/S.

Exact fault location yet to be confirmed. The relay settings of the BC or the link feeder need to be reviewed for better event analysis purpose.

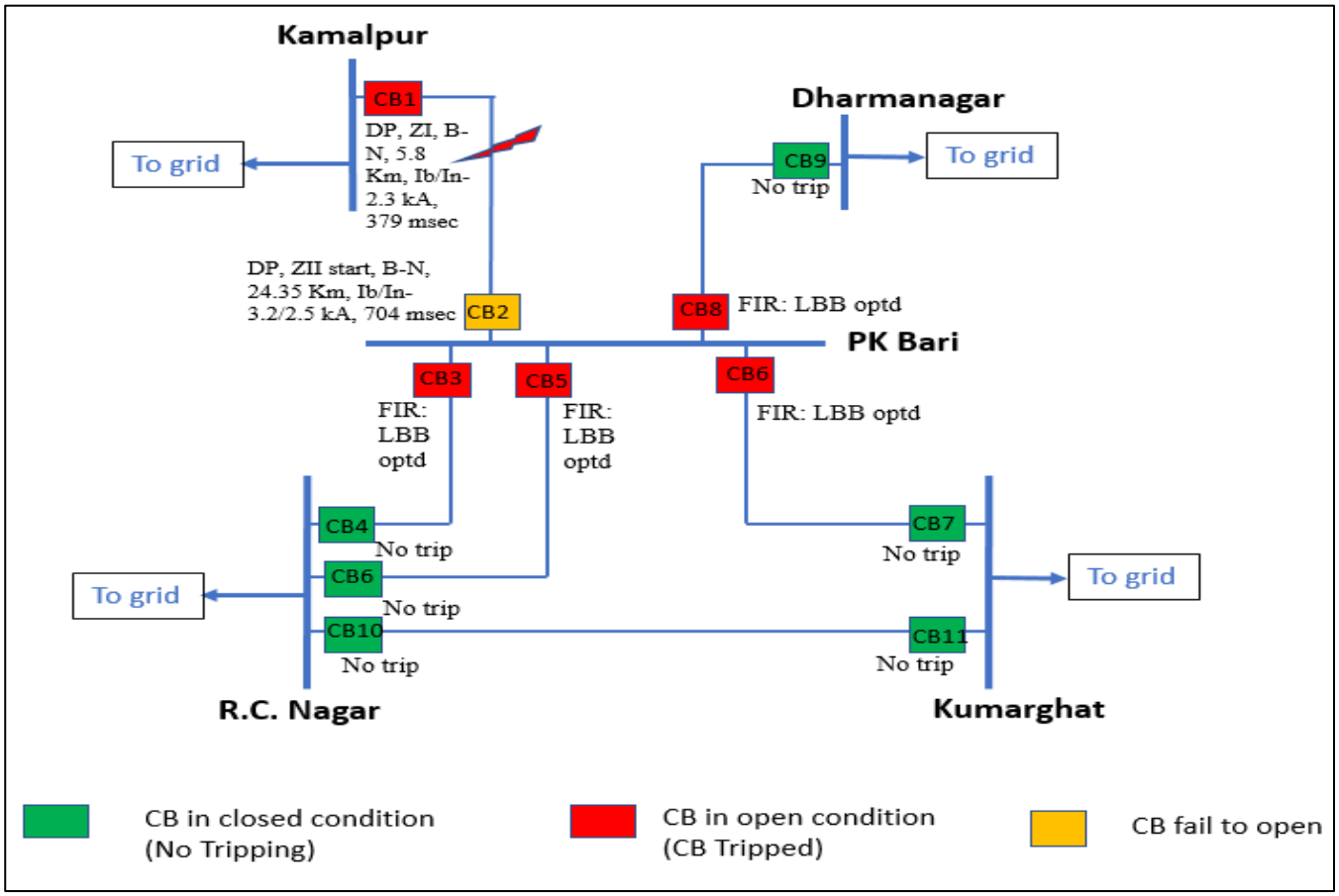
TPGCL is requested to take the following actions: -

1. Share the exact location of the fault.
2. Share the details of Relay & CB operation at the Link feeder /Bus coupler.
3. Share the Detailed Report for the Grid Events to NERLDC & NERPC as per the IEGC'23.
4. The relay settings need to be reviewed for Rokhia -Rokhia Link feeder.

Forum may deliberate

B.9 CB issue & LBB operation at P K Bari on 6th Feb'2026:

At 05:16 Hrs of 06-02-2026, all the elements connected to 132 kV PK Bari SS tripped due to operation of LBB protection at PK Bari SS.



At 05:16 Hrs on 06-02-2026, all elements connected to 132 kV P K Bari Substation tripped due to operation of **LBB protection** at P K Bari S/S, resulting in complete outage of the substation.

As per Disturbance Recorder (DR) analysis, a B–N fault occurred in the **132 kV P K Bari–Kamalpur line** at a distance of approximately 5.8 km from Kamalpur end & 24.35 KM from P K Bari caused by conductor snapping initiated at 05:13:43.362 Hrs.

The Kamalpur end detected the fault in DP and Zone-I, after 497 msecs from the initiation and issued trip command instantaneously; however, CB1 opened after a 379 msecs. This resulted into total fault clearing time at Kamalpur of 860 msecs.

The P K Bari end detected the fault in Zone-II and issued trip command after a time delay of 350 msecs, but the circuit breaker (CB2) failed to open. Subsequently, LBB protection at P K Bari S/S operated, leading to tripping of all

connected elements and blackout of 132 kV P K Bari S/S. The total fault clearance duration was 704 msecs at P K Bari SS.

TPTL is requested to take the following actions:

A. P K Bari (state)

I. Share the root cause & action taken for non-operation of CB2 at P K Bari end.

II. Provide DR/EL records of LBB relay at P K Bari S/S.

III. LBB time delay need to be done as per NER Protection Philosophy.

B. For Kamalpur

I. Share the root cause & action taken for delayed opening of CB1 at Kamalpur end.

II. Share the availability status of LBB relay at Kamalpur.

III. Correct the time drift of approximately 3 minutes observed at Kamalpur end for the concerned line and confirm compliance.

C. Share the Detailed Report for the Grid Events to NERLDC & NERPC as per the IEGC'23.

Additionally, it is pertinent to mention that similar stuck breaker conditions have been frequently observed in the Tripura power system, particularly at Dharmanagar, Agartala, Rokhia, and Budhjungnagar substations, resulting in grid events that compromise reliable grid operation. Hence, Tripura should ensure proper preventive maintenance to avoid recurrence of such issues in the future.

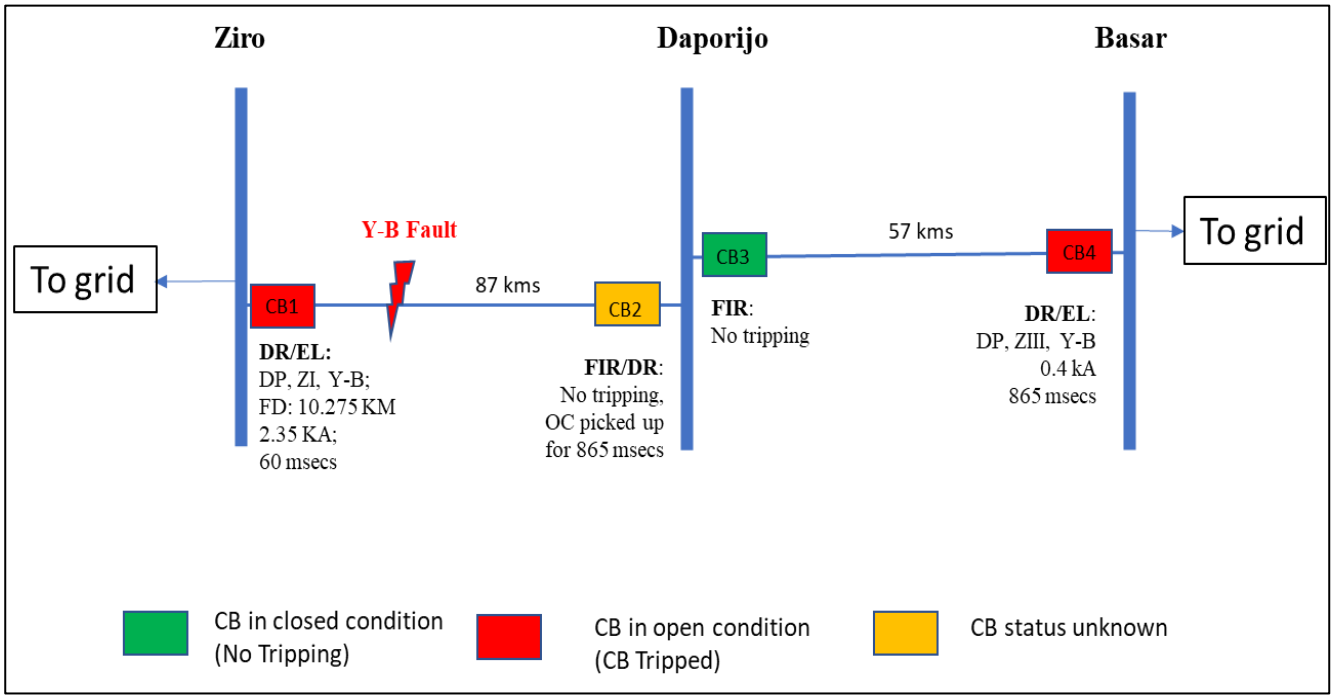
Forum may deliberate

B.10 <u>Repeated Grid Disturbances at Daporijo area of Arunachal Pradesh in January'26:</u>

At 08:43 Hrs on 27th January 2026, a Y-B fault (Iy, Ib: 2.35 kA) occurred on the 132 kV Ziro–Daporijo transmission line. The fault was detected and cleared from the Ziro end within 60 msecs through operation of DP, Zone-1 protection (Y-B), with a fault location indication of 10.275 km.

However, the protection system at the Daporijo end failed to clear the fault within the stipulated time and operated only after more than 800 msecs. Subsequently,

the Basar end protection detected the Y-B fault (Iy: 380 A, Ib: 360 A) in Zone-III and cleared the fault in 865 msecs.



A similar tripping incident was earlier highlighted under Agenda B.15 of the 87th PCC Meeting regarding grid disturbance in the Daporijo area on 4th January 2026. During the meeting, Arunachal Pradesh informed that the relay at Daporijo for the Ziro line sensed the fault in Zone-II; however, the circuit breaker did not operate for Zone-II protection. The forum opined that there might be signaling or connection issues between the relay and the circuit breaker trip coil and requested DoP, Arunachal Pradesh to rectify the issue at the earliest.

Hence, DoP, Arunachal Pradesh is requested to undertake necessary remedial measures immediately to avoid recurrence of frequent grid disturbances in the Daporijo area.

Forum may deliberate

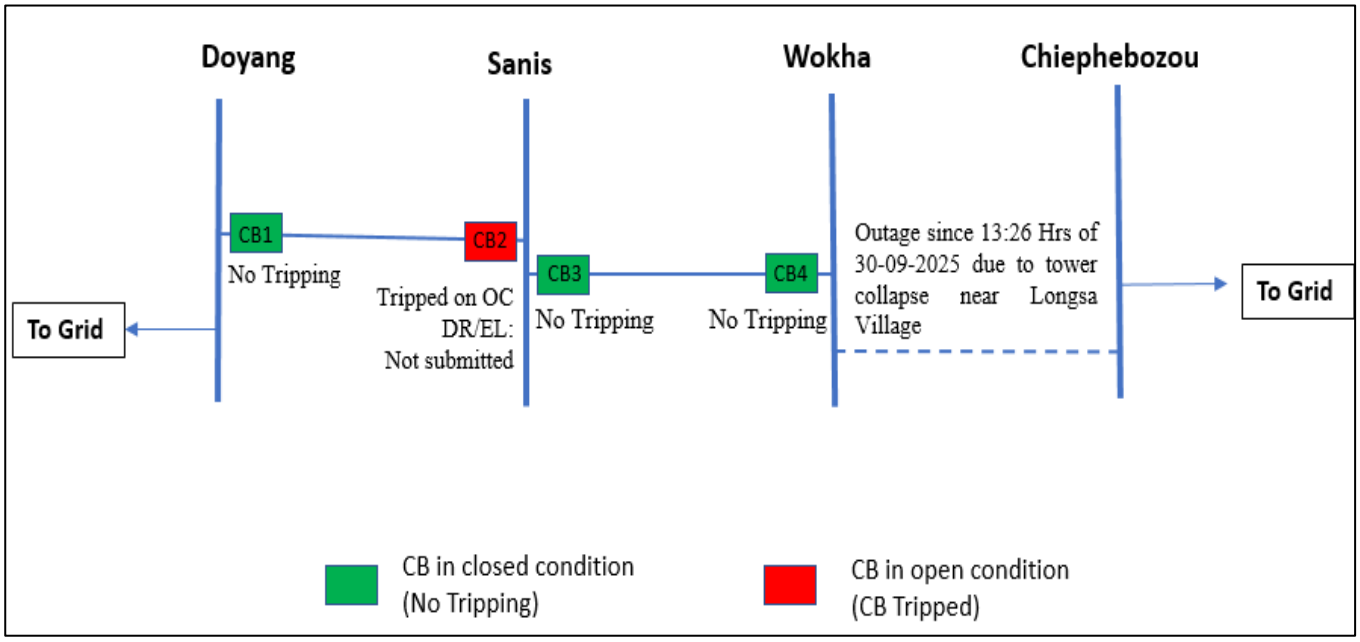
B.11 <u>Repeated Grid Disturbance in Sanis & Wokha areas of Nagaland during Jan'26:</u>

Sanis and Wokha areas of Nagaland Power System are radially connected with rest of NER Grid through 132kV Doyang-Sanis-Wokha line. 132 kV Wokha-

Chiephobozu line was under outage since 13:26 hrs of 30.09.2025 due to tower collapse near Longsa village.

NERLDC is highlighting the matter regularly in the PCC forum. The tripping of 132 kV Doyang-Sanis line tripped 5 times during Jan'26. The details of tripping are shown below:

S.No	Element Name	Owner Name	Tripping Date and Time	Relay_Doyang	Relay_Sanis
1	132 kV Doyang-Sanis Line	DoP, Nagaland	02-01-2026 16:23	No Tripping	Tripped on O/C
2	132 kV Doyang-Sanis Line	DoP, Nagaland	05-01-2026 13:10	No Tripping	Tripped on O/C
3	132 kV Doyang-Sanis Line	DoP, Nagaland	06-01-2026 14:46	No Tripping	Tripped on O/C
4	132 kV Doyang-Sanis Line	DoP, Nagaland	19-01-2026 06:15	No Tripping	Tripped on O/C
5	132 kV Doyang-Sanis Line	DoP, Nagaland	26-01-2026 12:07	No Tripping	Tripped on O/C



In the 87th PCC Meeting on 19th January 2026, NERPC informed that while conducting the protection audit of Sanis, it was suspected that the voltage signal which is fed in the BU relay might be spurious and suggested that DoP Nagaland should carry out a complete testing of the relay in coordination with OEM of Powergrid. Meanwhile, Forum directed DoP Nagaland to enable the backup relay settings in the main distance relay. Further, forum requested DoP Nagaland to test the relay at the earliest and advised to take help from Powergrid.

Hence, DoP, Nagaland is requested to take immediate action.

Forum may deliberate

C. FOLLOW–UP AGENDA ITEMS

C.1 Mapping of SPS in the SCADA Display for real time monitoring of all SPS:

(Ref: Agenda C.1 86th PCCM |11th December 2025)

NLDC has submitted the Guidelines on "Interfacing Requirements" after stakeholder consultation for approval of the Commission as mentioned in the Regulation 7.4, read with Regulation 14.2 of the Communication System for inter-State transmission of electricity) Regulations,2017. On dated 19-Jan-2024, CERC approved the guideline on "Interfacing Requirements" prepared by NLDC in consultation with the stakeholder. As per the Guideline, real time telemetered is SPS Signal need to be monitored. The digital status shall be as per IEC standard. Digital Status for circuit breaker must be double point while isolator status can be either single point or double point as per end device. All users shall comply with interface requirements as specified and shall share interface details with respective Control Centre.

Sl. No.	Description	Analog Points	Digital Points	Protection Signal
1	SPS Signal		DIGITAL STATUS: Enable/Disable, Operated/No Operated (Condition/Logic Wise)	

Present Status of SPS mapping in SCADA Display

09-Jan-2026 15:36:56 SPS STATUS

STATION	SPS	SPS ON/OFF	SPS OPTD.
BGTPP_NTPC	BGTPP U-3	ON	NRML
PALATANA_OTPC	SPS-2 Bangladesh	ON	NRML
	SPS-4 Bangladesh	ON	NRML
	SPS -2 HSR	OFF	NRML
	SPS -3 HSR	OFF	NRML
ZIRO_PG	ZIRO SPS	OFF	NRML
SARUSAJAI_AS	SARUSAJAI SPS	S OFF	S NRML
IMPHAL_PG	IMPHAL SPS	ON	NRML
SM NAGAR (ST)	SM NAGAR B/R -1 SPS	ON	NRML
SM NAGAR (ST)	SM NAGAR B/R -2 SPS	ON	NRML
PK BARI (ST)	PK BARI B/R -1 SPS	ON	NRML
PK BARI (ST)	PK BARI B/R -2 SPS	ON	NRML
TINSUKIA (AS)	TINSUKIA SPS	OFF	NRML
BONGA_AS	SPS Stage -1	ON	NRML
	SPS Stage -2		NRML
MONARCHAK	MONARCHAK	ON	NRML
KHLEIHRIAT	KHLEIHRIAT SPS	ON	NRML
LESKA	LESKA SPS	ON	NRML

Sl. No.	**SPS under operation**	**SPS mapping status in SCADA (YES/No) as per 85th PCCM**
1	SPS related to outage of 220 Misa-Samaguri D/C lines	NO AEGCL informed that the OEM supports taken for the RTU. Mapping will be done shortly
2	Related to outage of any one circuit of 220 kV Balipara-Sonabil D/C lines	NO AEGCL informed that the OEM supports taken for the RTU. Mapping will be done shortly
3	Outage of 220 kV BTPS (Salakati) – Rangia I & II Line	NO
4	Related to 132kV SM Nagar(ISTS) - SM Nagar line to prevent	NO Mapping already available at SLDC.

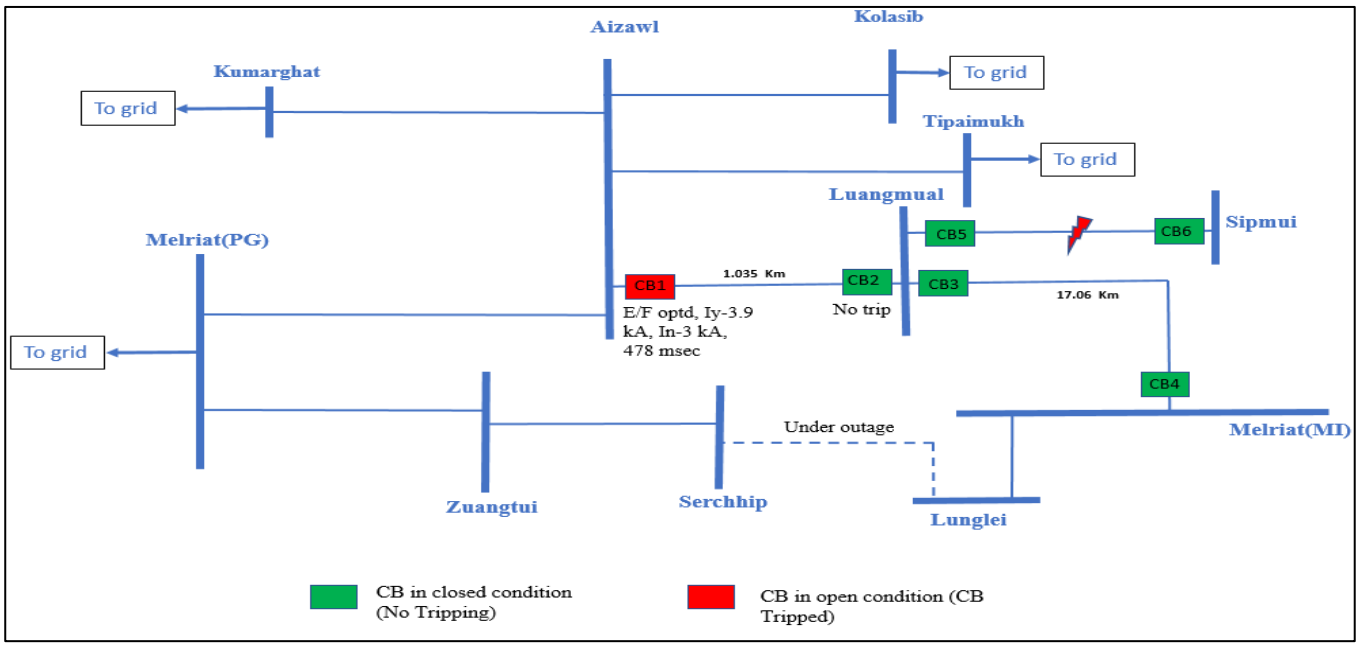
	Overloading	NERLDC to coordinate with the SLDC Tripura.
5	SPS related to generation evacuation from Loktak HEP	NO As per NHPC, SCADA system is not available at Loktak. Mapping of SPS at Loktak HEP will take time & it will be completed after renovation work at Loktak plant.

All utilities are requested to update the status of Mapping of SPS in the SCADA Display.

C.2 Grid Disturbance in Luangmual, Melriat & Lunglei areas of Mizoram Power System on 4th Dec'25:

(Ref: Agenda B.10| 87th PCCM |19th January 2026)

At 12:40 Hrs of 08-12-2025, 132 kV Aizawl - Luangmual Line tripped leading to GD at Luangmual, Melriat & Lunglei areas of Mizoram. Load loss of 39 MW occurred.



Deliberation:

Regarding tripping of CB1 of BU EF protection, Powergrid informed that the TMS of the EF protection has been set very low and the same will be increased shortly

in order to coordinate with the ZIII settings as per the NERPC protection philosophy.

Regarding non-operation of CB5, Mizoram stated that the issue will be looked into and will intimate shortly about the cause for no tripping. Forum instructed Mizoram to send the DR/EL file & relay settings for CB5 to NERPC & NERLDC for analysis.

PGCIL & P&ED, Mizoram to update the status

C.3 Grid Disturbance in Rokhia and Mohanpur S/S of Tripura Power system on 18th Sept'25:

(Ref: Agenda C.3 87th PCCM | 19th January 2026)

In 85th PCCM, Tripura informed that DCRM tests were conducted for Rokhia (Monarchak line bay) and Agartala (Rokhia Line 2 bay) and the test results show that there are some issues with the CBs. He further informed that DCRM tests will be conducted again and if the results are similar, the CBs will be replaced.

Forum also requested Tripura to rectify the LBB issue at Agartala.

Tripura informed TPTL is proving CB to Rokhia (TPGCL) for Monarchak feeder.

Also, at Agartala for Rokhia II-line CB contactor issue found. Hence, CB

In **86th PCCM**, Tripura informed TPTL is proving CB to Rokhia (TPGCL) for Monarchak feeder.

Also, at Agartala for Rokhia II-line CB contactor issue found. Hence, CB replacement planned for Rokhia & Agartala and shutdown will be rewired for 3 days for the work. Forum requested TSECL to carry out the work at the earliest.

Regarding the LBB issue at Agartala, TSECL informed that that the Bays of AGTCPP-Agartala lines belong to Powergrid and requested them to rectify the issue. Powergrid assured to look into the matter shortly.

In **87th PCCM**, Tripura updated that CB at Agartala has been replaced on 10th Jan'26 and at Rokhia end, CB replacement will be done shortly. Regarding the LBB issue at Agartala, Powergrid informed that the rectification work has been planned for Feb'26.

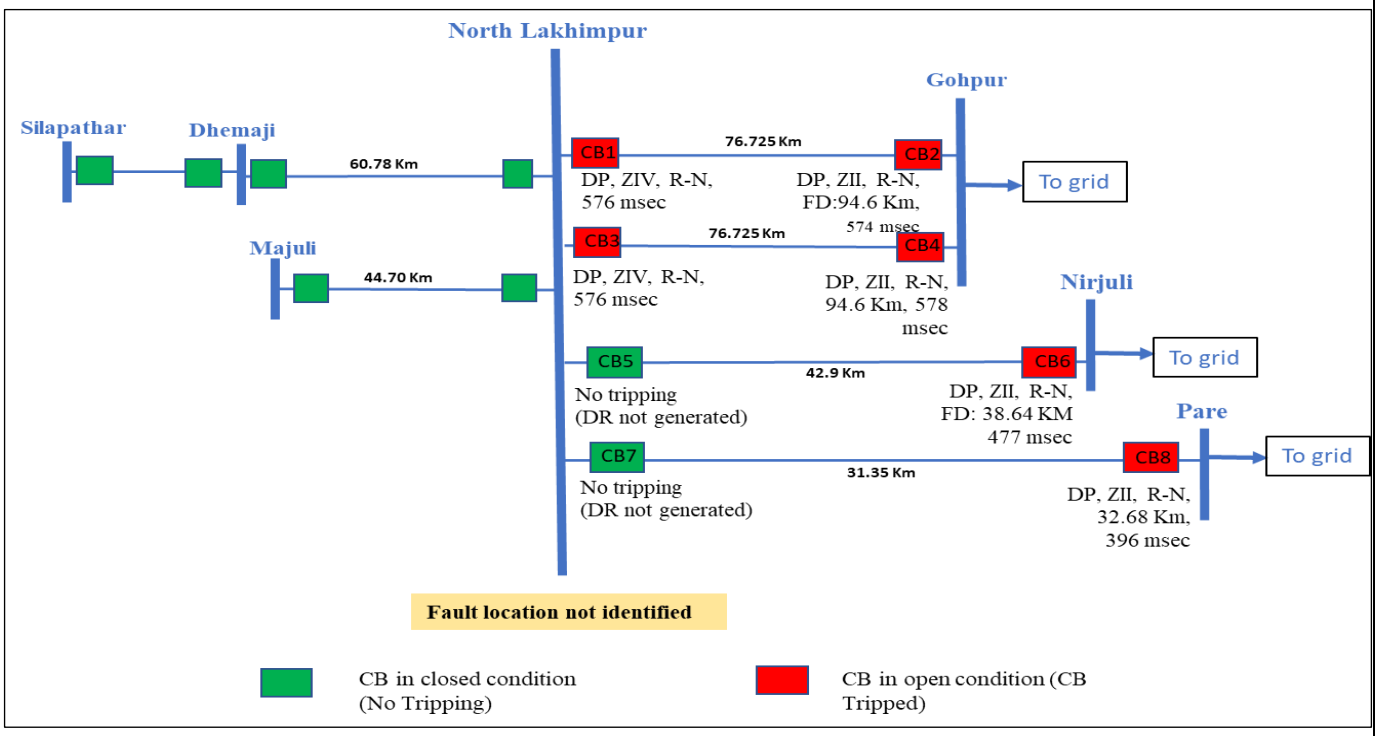
Hence, Tripura and PGCIL is requested to update the status.

C.4 Grid disturbance in North Lakhimpur, Dhemaji, Silapathar and Majuli areas of Assam on 11th Nov'25:

(Ref: Agenda B.13 86th PCCM |11th December 2025)

North Lakhimpur area of Assam power system is connected to the rest of the NER grid through the 132 kV North Lakhimpur–Gohpur D/C lines, 132 kV North Lakhimpur–Nirjuli and 132 kV North Lakhimpur–Pare lines. Majuli, Silapathar and Dhemaji areas are connected radially through the North Lakhimpur substation.

At 07:09 Hrs of 11-11-2025, 132 kV North Lakhimpur–Gohpur D/C, 132 kV North Lakhimpur–Nirjuli and 132 kV North Lakhimpur–Pare lines tripped leading to blackout in North Lakhimpur, Majuli, Dhemaji and Silapathar areas of Assam power system. Load loss of 45 MW occurred.



As per DR analysis:

- R-N fault of metallic nature.
- Gohpur end detected R-N fault (Ir-0.923 kA, In-0.634 kA) at a distance of 94.6 Km and cleared within 578 msec on operation of DP, ZII. North Lakhimpur end detected the fault in ZIV and tripped within 576 msec.
- Pare end detected the fault at a distance of 32.68 km and cleared it within 396 msec on DP, ZII which indicates that fault might be beyond the line. Nirjuli CB tripped within 477 msec on DP, ZII (ZIII started initially). No tripping from North Lakhimpur end and no DR generated.

It has been observed that fault current from Gohpur and Nirjuli abruptly increased after opening of Pare CB8 indicating that fault was still present in the system. Suspected fault in 132 kV North Lakhimpur S/S.

Hence, AEGCL is requested to share the root cause of the event.

Also, MUML is requested to address the issue of DR not generated at North Lakhimpur for 132 kV Pare & 132 kV Nirjuli lines.

In 87th PCCM, AEGCL informed that there was no fault in the Dhemaji or Majuli lines as well as the substation itself, and most probably it was in N-Lakhimpur - - Pare line of MUML. NELRDC informed that DRs were not available for CB5 and CB7 so complete analysis could not be done. NERPC intimated that as per the update provided by MUML through mail DRs were not generated as the CBs had not tripped and there might be some issues with the Zone IV settings which are being reviewed.

The forum suggested that AEGCL and MUML should carry out relay testing for CB 5 and CB-7. Additionally, it was advised that the relay settings for CB-2 and CB-4, particularly the Zone-II settings, should be reviewed.

MUML may update

C.5 Tripping of 220 kV Balipara Bus-I & II on 23rd Nov'25:

(Ref: Agenda C.3 87th PCC| 19th January 2026)

At 17:55 Hrs of 23.11.2025, 220 kV Balipara Bus-I & Bus-II tripped due to operation of Bus Bar protection as tabulated below:

Bays In BUS A	Bays in BUS B	Bays Tripped
HV 220 kV ICT#1 Bay-219	HV 220 kV ICT#2 Bay -220	All Feeders connected to Bus-A and Bus-B
LV 400 kV ICT#1 Bay- 202	LV 400 kV ICT#2 Bay-205	
Sonabil#2 Bay -204	Sonabil#1 Bay-203	

As per the Detailed report submitted by NERTS on 2nd Dec'25,

Root cause: Bus -B tripped (R-Ph) due to monkey intrusion resulting in the operation of Busbar relay (87B & 87CH) which eventually tripped all feeders (Bay 203, 220 and 205, 201) connected to Bus-B.

Along with Bus-B, the bays associated with Bus-A also got tripped due to operation of 96 A relays of respective bays

Protection Issue: As fault was in BUS B, only BUS B should have tripped. However, tripping command of 96A operation was extended to all the bays of BUS A as well. Wrong wiring and terminal connection led to continuous path between P3(zone-B trip bus) and P5(zone-A trip bus), thus shorting Zone-A and Zone-B trip Buses. The detailed report is attached as **Annexure II.**

Remedial Measures: Scheme correction was made and end-to-end continuity testing of trip buses of Zone A and B was checked to establish no looping of trip buses.

NERLDC observations related to SPS at Sonabil: Share the reason for non-operation of SPS at Sonabil during the tripping of the 220 kV Balipara-Sonabil I & II lines.

Deliberation in 86th PCC:

Regarding non-operation of SPS at Sonabil, NERTS to look into the DT transmission during BB operation from Balipara end. Also, regarding non sending of DT for 220 kV Sonabil feeder 2, matter maybe looked into by AEGCL as the CRP panels at Balipara end for ckt 2 is owned by AEGCL.

Deliberation in 87th PCC:

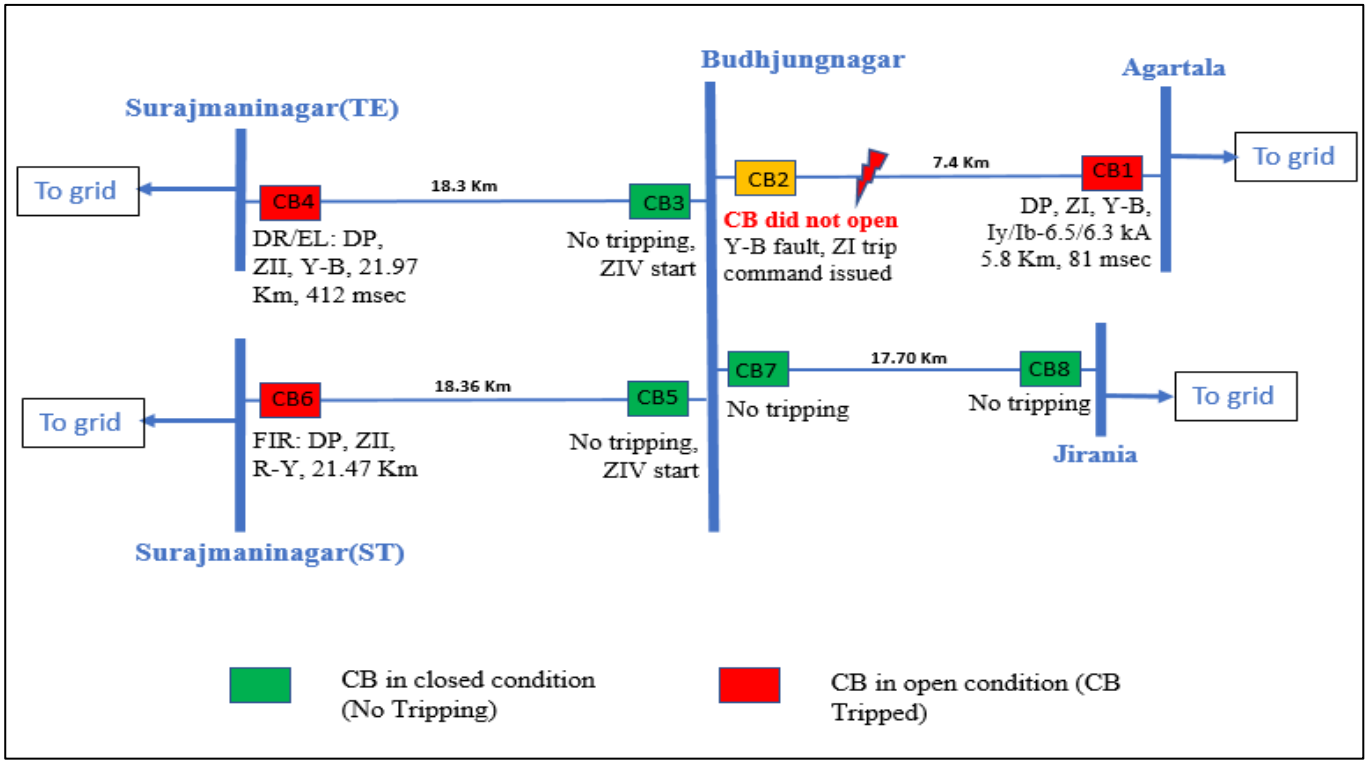
Regarding non-transmission of DT during BB operation from Balipara end, NERTS informed that SEIMENS team is looking into the matter.

AEGCL & PGCIL is requested to update the status.

C.6 Multiple tripping at Budhjungnagar area of Tripura on 7th Dec'25:

(Ref: Agenda C.3 87th PCC| 19th January 2026)

At 08:09 hrs of 07-12-2025, 132 kV Budhjungnagar-Surajmaninagar(TE), 132 kV Budhjungnagar-Surajmaninagar(ST) & 132 kV Agartala-Budhjungnagar Lines tripped.



As per DR analysis, Y-B fault (Iy-6.5 kA, Ib-6.3 kA) in 132 kV Agartala-Budhjungnagar line initiated at 08:08:21.055 hrs which was cleared within 81 msec from Agartala end on operation of DP, ZI. At Budhjungnagar end, fault was detected in ZI and trip command was issued. However, CB at Budhjungnagar end failed to open due to which fault was continuously feeding from SMnagar(TE) & SMnagar(ST) end. Consequently, fault got cleared within 432 msec by tripping of healthy 132 kV Budhjungnagar-Surajmaninagar(TE) & 132 kV Budhjungnagar-Surajmaninagar(ST) lines from remote ends on operation of DP, ZII.

Action points for TSECL & IndiGrid:

- Reason for non-opening of CB at Budhjungnagar end for Agartala line.
- Share FIR/DR/EL of Surajmaninagar(ST) end (CB) for 132 kV Budhjungnagar line.
- Time drift of 1 Hr observed at Surajmaninagar(TE) end which needs to be rectified.

Share detailed report of the event and remedial actions taken

Deliberation (87th PCC Meeting dated 19th January 2026):

Forum noted that due to delayed tripping or non-tripping of CB2, CB4 and CB6 had operated and enquired Tripura for the reason of the same.

Tripura apprised that CB2 opening was delayed due to some malfunctioning in the CB, subsequently the DCRM testing of the CB was conducted and in R & Y-phase

pole of CB. Further, he informed that the proposal for replacement of two poles has been put up to higher authorities.

Also, Time drift of 1 Hr at SMnagar(TE) has been rectified.

TSECL is requested to update the status.

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