



भारत सरकार Government of India विद्युत मंत्रालय Ministry of Power उत्तर पूर्वी क्षेत्रीय विद्युत समिति b. Fastern Pegional Power Com

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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

No.: No. NERPC/SE (O)/PCC/2025/302-343

July 01, 2025

To As per list attached

Sub: 80वीं संरक्षण समन्वय उप-समिति (पीसीसी) बैठक का कार्यवृत/ Minutes of 80th Protection Coordination Sub-Committee (PCC) Meeting

महोदय/महोदया,

कृपया 19 जून 2025 को शिलांग के एनईआरपीसी कॉन्फ्रेंस हॉल में आयोजित 80वीं पीसीसी बैठक के कार्यवृत्त को अपनी जानकारी और आवश्यक कार्रवाई के लिए प्राप्त करें। कार्यवृत्त एनईआरपीसी की वेबसाइट www.nerpc.gov.in पर भी उपलब्ध है।

कृपया कोई भी टिप्पणी जल्द से जल्द NERPC सचिवालय को सूचित करें।

Sir/Madam,

Please find enclosed herewith the minutes of the 80th PCC Meeting held at NERPC conference Hall, Shillong on 19th June 2025 for your kind information and necessary action. The minutes is also available on the website of NERPC: www.nerpc.gov.in.

Any comments/observations may kindly be communicated to NERPC Secretariat at the earliest.

भवदीय / Yours faithfully,

(वीरेंद्रनाथ मुंचा/ Keerendranath Muncha)

निदेशक / Director

Encl: As above

Distribution List:

- 1. Managing Director, AEGCL, Bijuli Bhawan, Guwahati 781 001
- 2. Managing Director, APGCL, Bijuli Bhawan, Guwahati 781 001
- 3. Managing Director, APDCL, Bijuli Bhawan, Guwahati 781 001
- 4. Managing Director, MSPCL, Electricity Complex, Keishampat, Imphal 795 001
- 5. Managing Director, MSPDCL, Secure Office Bldg. Complex, South Block, Imphal 795 001
- 6. Director (Transmission), MePTCL, Lumjingshai, Short Round Road, Shillong 793 001
- 7. Director (Generation), MePGCL, Lumjingshai, Short Round Road, Shillong 793 001
- 8. Director (Distribution), MePDCL, Lumjingshai, Short Round Road, Shillong 793 001
- 9. Director (Tech.), TSECL, Banamalipur, Agartala -799 001.
- 10. Director (Generation), TPGCL, Banamalipur, Agartala -799 001.
- 11. GM (Transmission), TPTL, 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. Head & VP, (R&C), ENICL, IndiGrid, Windsor Building, Kalina, Santacruz (East), Mumbai- 98
- 28. ED, NERLDC, Dongtieh, Lower Nongrah, Lapalang, Shillong -793 006
- 29. CGM, AEGCL, Bijuli Bhawan, Guwahati 781001
- 30. CGM, APGCL, Bijuli Bhawan, Guwahati 781001
- 31. CGM, DISCOM, Bijuli Bhawan, Guwahati 781001
- 32. Head of SLDC, Dept. of Power, Govt. of Arunachal Pradesh, Itanagar 791111
- 33. CGM, (LDC), SLDC Complex, AEGCL, Kahilipara, Guwahati-781 019
- 34. Head of SLDC, MSPCL, Imphal 795001
- 35. Head of SLDC, MePTCL, Lumjingshai, Short Round Road, Shillong 793 001
- 36. Head of SLDC, P&E Deptt. Govt. of Mizoram, Aizawl 796 001
- 37. Head of SLDC, Dept. of Power, Govt. of Nagaland, Dimapur 797103
- 38. Head of SLDC, TSECL, Agartala 799001
- 39. Chief Engineer (Elect), Loktak HEP, Vidyut Vihar, Kom Keirap, Manipur- 795124
- 40. DGM (O&M), OTPC, Badarghat Complex, Agartala, Tripura 799014
- 41. AGM Regulatory & Commercial, NER II TL, 10th Floor, Berger Tower, Noida sector 16B-201301
- 42. Director, NETC, 2C, 3rdFloor, D21Corporate Park, DMRC Building Sector 21, Dwarka, Delhi-77.

(वीरेंद्रनाथ मुंचा/ Veerendranath Muncha)

निदेशक / Director



Minutes of 80th PCCM

Govt. of India

Ministry of Power

North Eastern Regional Power Committee

Shillong

North Eastern Regional Power Committee

Minutes of

80th Protection Coordination Sub-Committee Meeting

Date: 19/06/2025 (Thursday)

Time: 11:00 hrs.

Venue: NERPC conference Hall, Shillong

A. CONFIRMATION OF MINUTES

1. <u>CONFIRMATION OF MINUTES OF THE 79th PROTECTION SUB-</u> <u>COMMITTEE MEETING OF NERPC.</u>

Minutes of the 79th PCC Meeting held on 19th May, 2025 at NERPC Conference Hall, Shillong was circulated vide letter No.: NERPC/SE (O)/PCC/2025/1023-1064 dated 3rd June 2025.

No comments were received from the constituents

Sub-committee may confirm the minutes of the 79th 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—

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

Annual	All users	Annual audit plan to be	Annual
audit plan		submitted to RPC by 31 st	
		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 (79th PCCM)

Sr	Utility/	Interna	al Audit	External au	dit
No	Constituents				
		Latest Status	report	Latest Status	report
1.	Ar. Pradesh	Lekhi SS next	Report of	Planning and	NA
		month	Chimpu shared	Tendering will be	
		(Total	for FY 2024-25.	done for audit of all 9	
		Substation: 09)		SS	

2.	Assam	For FY 2025-2026, audits to start from July'25. (Total Substation: 75)	Planning to be done for 2025-26 Submitted for FY 2024-25. Planning to be done for 2025-26	External agency being finalized for carrying out the audit	for phase
3.	Manipur	To be planned for FY 2025-26. (Total Substation: 08)	Submitted for FY 2024-25. Planning to be done for 2025-26	8 SS to be done, Schedule to be decided, subject to law and Order situation. Audit of Yurembam ss and Ningthounkong ss may be done by NERPC team in May/June'25	NA
4.	Meghalaya	Internal audit of 132kV Subtations completed for FY 2024-25. For FY 2025-26, audits will start from July'25 (Total Substation: 22)	Reports shared for FY 2024-25. Planning to be done for 2025-26	Audit of 6 SS (Killing, EPIP I, EPIP II, NEHU, Mawlai and Mawphlang) done. For other substations, Offer received from PRDC (Cost Rs. 67 Lakh for 13 S/S). Offer awaited from CPRI (estimated cost Rs. 35 Lakh for 13 S/S). External party will be finalized	-

financial aspect. 3rd party audit of Lumshnong may be done by NERPC in May/June'25. 5. Mizoram For FY 2025- Report shared 26, audits to for FY 2024-25. agencies awaited. start from Planning to be June'25. Tentative plan shared with NERPC and financial aspect. 3rd party audit of Lumshnong may be done by NERPC in May/June'25. Searching for external NA agencies awaited. Searching for parties to conduct audit. Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and	financial aspect. 3rd party audit of Lumshnong may be done by NERPC in May/June'25. 5. Mizoram For FY 2025- Report shared 26, audits to start from June'25. Planning to be June'25. Tentative plan shared with financial aspect. 3rd party audit of Lumshnong may be done by NERPC in May/June'25. Searching for external Searching for parties to conduct audit. Audit of Kolasib, Aizawl, Melriat (PG),					considering the	
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the plan Action plan to be shared. For rest, to be planned later. 7. Tripura No Shared for 13 representative (Total Substation: 18) SS for FY 2024- (Incomplete as all the formats have not been provided. TSECL to NERPC. For rest, to be planned later. No representative NA No representative NA Total SS for FY 2024- Substation: 18)	(Total Substation: 10) 6. Nagaland For FY 2025- Report shared 26, will update for FY 2024-25. the plan Action plan to shortly Planning to be done in June'25 by NERPC. Tripura No Shared for 13 No representative (Total 25. But, NERPC Substation: 18) Substation: 18) Luangmual may be done in June'25 by NERPC. For rest, to be planned later. No representative SS for FY 2024- (Total 25. But, NERPC Substation: 18) informed that the report is incomplete as all the formats have not been provided. TSECL to			26, will update the plan shortly No representative (Total	for FY 2024-25. Action plan to be shared. Planning to be done for 2025-26 Shared for 13 SS for FY 2024-25. But, NERPC informed that the report is incomplete as all the formats have not been provided. TSECL to	done in June'25 by NERPC. For rest, to be planned later.	
the plan Action plan to be shared. Planning to be done for 2025-26 7. Tripura No Shared for 13 No representative (Total Substation: 18) SS for FY 2024-(Total the report is incomplete as all the formats have not been provided.	(Total Substation: 10) Contain Substation: 10 Contain Substation: 18 Contain Substation			26, will update the plan shortly No representative (Total	for FY 2024-25. Action plan to be shared. Planning to be done for 2025-26 Shared for 13 SS for FY 2024-25. But, NERPC informed that the report is incomplete as all the formats have not been provided. TSECL to provide	done in June'25 by NERPC. For rest, to be planned later.	
Substation: 10) NERPC.	(Total Luangmual may be			Substation: 10)			
Zuangtui and	NERPC and					, ,	
NERPC and Zuangtui and	Alzawl, Melriat (PG),			shared with		•	
shared with NERPC and Zuangtui and	shared with Aizawl, Melriat (PG),			Tentative plan	26	Andit of 17-1:1	
shared with NERPC and Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and	shared with Audit of Kolasib, Aizawl, Melriat (PG),			June'25.	done for 2025-	to conduct audit.	
Tentative plan shared with NERPC and Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and	Tentative plan shared with 26 Audit of Kolasib, Aizawl, Melriat (PG),			start from	Planning to be	Searching for parties	
June'25. Tentative plan shared with NERPC and Conduct audit. June'25. done for 2025- to conduct audit. Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and	June'25. done for 2025- to conduct audit. Tentative plan shared with Aizawl, Melriat (PG),			26, audits to	for FY 2024-25.	agencies awaited.	
start from June'25. Tentative plan shared with NERPC and Planning to be done for 2025- to conduct audit. Planning to be Searching for parties to conduct audit. Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and	start from Planning to be Searching for parties June'25. done for 2025- to conduct audit. Tentative plan shared with Aizawl, Melriat (PG),	5.	Mizoram		_	List of external	NA
26, audits to for FY 2024-25. agencies awaited. Start from June'25. Planning to be done for 2025- to conduct audit. Tentative plan shared with NERPC and Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and	26, audits to for FY 2024-25. agencies awaited. start from Planning to be June'25. done for 2025- to conduct audit. Tentative plan shared with Aizawl, Melriat (PG),						
For FY 2025- Report shared List of external NA 26, audits to for FY 2024-25. agencies awaited. Start from Planning to be Searching for parties done for 2025- to conduct audit. Tentative plan shared with NERPC and NA Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and	5. Mizoram For FY 2025- Report shared List of external NA 26, audits to for FY 2024-25. agencies awaited. start from Planning to be Searching for parties June'25. done for 2025- to conduct audit. Tentative plan shared with Audit of Kolasib, Aizawl, Melriat (PG),					done by NERPC in	
May/June'25. 5. Mizoram For FY 2025- Report shared List of external NA 26, audits to for FY 2024-25. agencies awaited. start from Planning to be Searching for parties June'25. done for 2025- to conduct audit. Tentative plan shared with NERPC and May/June'25. Audit of external NA Searching for parties to conduct audit. Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and	5. Mizoram For FY 2025- Report shared List of external NA 26, audits to for FY 2024-25. agencies awaited. start from Planning to be Searching for parties June'25. done for 2025- to conduct audit. Tentative plan shared with Aizawl, Melriat (PG),					Lumshnong may be	
done by NERPC in May/June'25. 5. Mizoram For FY 2025- Report shared List of external NA 26, audits to for FY 2024-25. agencies awaited. start from Planning to be Searching for parties June'25. done for 2025- to conduct audit. Tentative plan shared with NERPC and NA Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and	done by NERPC in May/June'25. 5. Mizoram For FY 2025- Report shared List of external NA 26, audits to for FY 2024-25. agencies awaited. start from Planning to be Searching for parties done for 2025- to conduct audit. Tentative plan shared with Aizawl, Melriat (PG),					party audit of	
Lumshnong may be done by NERPC in May/June'25. 5. Mizoram For FY 2025- Report shared List of external NA 26, audits to for FY 2024-25. agencies awaited. start from Planning to be Searching for parties to conduct audit. Tentative plan shared with NERPC and NA Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and	Lumshnong may be done by NERPC in May/June'25. 5. Mizoram For FY 2025- Report shared List of external NA 26, audits to for FY 2024-25. agencies awaited. start from Planning to be Searching for parties June'25. done for 2025- to conduct audit. Tentative plan shared with Aizawl, Melriat (PG),					financial aspect. 3rd	
party audit of Lumshnong may be done by NERPC in May/June'25. Mizoram For FY 2025- Report shared List of external NA 26, audits to for FY 2024-25. agencies awaited. Start from June'25. Tentative plan shared with NERPC and Audit of Kolasib, Aizawl, Melriat (PG), Zuangtui and	party audit of Lumshnong may be done by NERPC in May/June'25. 5. Mizoram For FY 2025- Report shared List of external NA 26, audits to for FY 2024-25. agencies awaited. start from Planning to be Searching for parties June'25. Tentative plan shared with Audit of Kolasib, Aizawl, Melriat (PG),						

			formats by		
			April'25.		
			Planning to be		
			done for 2025-		
			26		
				D	
8.	Powergrid	Internal audit	Shared for FY		
	(NERTS)	plan for FY	2024-25.	for Misa & Salakati	
		2025-26 has	Planning to be	s/s by NERPC.	
		been shared.	done for 2025-	For 2 substations,	
			26	audit is being	
				planned to be done by	
				government agencies	
				like CBIP and CPRI.	
				Matter is under	
				process.	
				3 rd party audit plan	
				for all S/S will be	
				shared shortly.	
9.	NTL	No	To be shared	No representative	
1		representative	soon		
10	KMTL	representative completed the	soon	Requested forum to	
10	KMTL	_	soon	Requested forum to suggest the External	
10	KMTL	completed the	soon	_	
10	KMTL	completed the internal audit	soon	suggest the External	
10	KMTL	completed the internal audit for 400/220 KV	soon	suggest the External	
10	KMTL	completed the internal audit for 400/220 KV	soon	suggest the External	
10	KMTL	completed the internal audit for 400/220 KV GIS Substation,	soon	suggest the External	
10	KMTL	completed the internal audit for 400/220 KV GIS Substation, New Kohima in	soon	suggest the External	
10	KMTL	completed the internal audit for 400/220 KV GIS Substation, New Kohima in July 2024.	soon	suggest the External	
10	KMTL	completed the internal audit for 400/220 KV GIS Substation, New Kohima in July 2024. Internal audit	soon	suggest the External	
10	KMTL	completed the internal audit for 400/220 KV GIS Substation, New Kohima in July 2024. Internal audit for FY 2025-26	soon	suggest the External	
10	KMTL	completed the internal audit for 400/220 KV GIS Substation, New Kohima in July 2024. Internal audit for FY 2025-26 will be	soon	suggest the External	
10	KMTL	completed the internal audit for 400/220 KV GIS Substation, New Kohima in July 2024. Internal audit for FY 2025-26 will be conducted	soon	suggest the External	
10	KMTL MUML/NBTL	completed the internal audit for 400/220 KV GIS Substation, New Kohima in July 2024. Internal audit for FY 2025-26 will be conducted tentatively	Internal Audit	suggest the External	
		completed the internal audit for 400/220 KV GIS Substation, New Kohima in July 2024. Internal audit for FY 2025-26 will be conducted tentatively during July'25. Internal audit		suggest the External audit panel members.	
		completed the internal audit for 400/220 KV GIS Substation, New Kohima in July 2024. Internal audit for FY 2025-26 will be conducted tentatively during July'25.	Internal Audit	suggest the External audit panel members. Forum advised to	

shared done for 2025- 26 12 NEEPCO Internal audit All shared for FY AGTCCPP done (by (Total plan for FY 2024-25. M/s ERDA Gujrat),	
12 NEEPCO Internal audit All shared for FY AGTCCPP done (by	
(Total plan for FY 2024-25. M/s ERDA Gujrat),	
Substation: 2025-26 has Planning to be report shared RC	
been shared done for 2025- nagar done.ameng	
being planned,	
discussion with CPRI	
underway. Doyang in	
May 2025. Waiting for	
price offer.	
13 OTPC For FY 2025- Shared for FY Done	shared
. (Palatana) 26, to be 2024-25.	
planned Planning to be	
done for 2025-	
26	
14 NTPC For FY 2025- Shared for FY Done (by CPRI)	Complete
. (BgTPP) 26, to be 2024-25.	Report
planned Planning to be	shared.
done for 2025-	Action plan
26	shared.
15 NHPC Protection Internal audit to To be done after R&M	
. (Loktak) team informed, be done before of the plant. Order	
to be done at June 2025 Placed.	
the earliest for	
FY 2025-26	
16 APGCL Utilities to update status	
17 TPGCL	
18 MEPGCL Audit of Stg III Submitted for st External audits of all	
and stg IV to be I and stg II for generating stations	
done by FY 2024-25. were done in 2021.	
Nov'25. Planning to be	

				Internal aud	lit	done	for	2025-	Audit	of	Umiam	
				plan for all S/	'S	26			Stg-I	&	Stg-IV	
				for FY 2025-2	26				planne	d	during	
				to be shared					Nov'25	. Fo	or other	
									S/S, p	lanni	ng being	
									done.			
1	9	Dikshi	HEP	*		*			*			*
		(IPP)										

Further deliberations of 79th PCCM

MS NERPC instructed that -

- the external audit reports of the utilities to be studied by PSAG sub-group and list of recommended actions to be finalised and presented in PCC meetings so that the regular update may be taken on work progress.
- He also instructed that inspections of UFRs (used in AUFLS scheme or islanding scheme) shall be carried out along with protection audit.
- Compliance of audit reports to be regularly monitored in the PCC meeting and to be put up as an agenda item.

Deliberation

Status of Internal/External audit (80th PCCM)

Sr	Utility/	Interna	al Audit	External au	dit
No	Constituents				
		Latest Status	report	Latest Status	report
1.	Ar. Pradesh	Lekhi SS next	Report of	Planning and	NA
		month.	Chimpu shared	Tendering will be	
		Manpower	for FY 2024-25.	done for audit of all 9	
		shortage issue	Planning to be	SS. Bid document	
		hampering the	done for 2025-	being prepared.	
		internal audit	26	NERPC conducted	
		(Total		audit of Along and	
		Substation: 09)		Pashighat on 4 th and	
				5 th June'25	

2.	Assam	For FY 2025-	Submitted for	Proposing a team of	Submitted
		2026, audits to	FY 2024-25.	protection experts	for phase
		start from	Planning to be	from NER utilities to	2017-2022.
		July'25.	done for 2025-	carry out the audits.	External
		(Total	26.		audit of only
		Substation: 75)	To be done and	Assam and	Karimganj
			by July 2026	PowerGrid have sent	S/s is left
				the list of protection	
				experts. Others are	
				requested to end the	
				list.	
				Other states raised	
				the issue of	
				manpower shortage.	
				MS NERPC suggested	
				that the state can	
				carry out the audit by	
				hiring reputed	
				external agencies.	
3.	Manipur	For FY 2025-	Submitted for	8 SS to be done,	NA
		26, audit to be	FY 2024-25.	Schedule to be	
		done in Aug-	Planning to be	decided, subject to	
		Sept'25	done for 2025-	law and Order	
			26.	situation.	
		(Total	To be done	Audit of Yurembam	
		Substation: 08)	august 2026	ss, Ningthounkong ss	
				and Imphal(PG) may	
				be done by NERPC	
				team in July'25	
4.	Meghalaya	Internal audit	Reports shared	Audit of 6 SS (Killing,	Report
		of 132kV	for FY 2024-25.	EPIP I, EPIP II, NEHU,	shared
		Subtations	Planning to be	Mawlai and	
		completed for	done for 2025-	Mawphlang) done.	
		FY 2024-25.	26 (July 25)	For other	
		For FY 2025-		substations, lowest	
		26, audits will			
			10		

		start from		Offer received from	
		July'25		CPRI. Proposal	
		(Total		submitted to Board	
		Substation: 22)			
				for approval.	
5.	Mizoram	For FY 2025-26, audits to start from July'25 subject to rainfall condition. Tentative plan shared with NERPC and NERLDC. (Total Substation: 10)	Report shared for FY 2024-25. Planning to be done for 2025-26(July2025)		NA
6.	Nagaland	For FY 2025-	Report shared	Audit of 5 SS to be	NA
		26, audit will	for FY 2024-25.	done in Aug'25 by	
		start next	Action plan to	NERPC.	
		month(Total 11	be shared.	For rest, to be	
		S/s)	Planning to be	planned later.	
			done for 2025-		
			26(July2025)		
7.	Tripura	Will start audit	Shared for 13	List of external	NA
		from Nov.25	SS for FY 2024-	agencies awaited.	
		(Total	25. But, NERPC	Facing financial	
		Substation: 18)	informed that	constraints.	
			the report is	Requesting NERPC to	
			incomplete as	conduct the audits.	
			all the formats	MS NERPC stated	
			have not been	that audit of Udaipur,	
			provided.	Rokhia and Agartala	
			TSECL to	may be conducted in	
			provide	Sept'25 by NERPC.	
			complete		
			11		

			formats by		
			3		
			April'25.		
			Planning to be		
			done for 2025-		
			26		
8.	Powergrid	22 Substations	Report shared.	Planning for external	
	(NERTS)		Internal audit	agencies. Matter is	
			plan for FY	under process.	
			2025-26 has	Audit of Roing and	
			been shared.	Tezu was conducted	
			Audit of 2 SS are	by NERPC on 4th and	
			done very	5 th June'25	
			month. 2 done		
			in June'25		
9.	NTL	No	To be shared	No representative.	
		representative	soon		
10	KMTL	completed the	Internal audit	Requested forum to	
		internal audit	for FY 2025-26	suggest the External	
		for 400/220 KV	will be	audit panel members.	
		GIS	conducted		
		Substation,	tentatively		
		New Kohima in	during July'25		
		July 2024			
11	MUML/NBTL	Internal audit	Internal Audit	Forum advised to	
		plan for 2025-	done for FY	Plan for March'26	
		26 has been	2024-25.		
		shared	Planning to be		
			done for 2025-		
			26		
12	NEEPCO	Internal audit	All shared for FY	Discussion with CPRI	
	(Total	plan for FY	2024-25.	underway. Doyang in	
	Substation:	2025-26 has	Planning to be	May 2025. Waiting for	
	10)	been shared.	done for 2025-	price offer.	
		Will start in	26		
		Nov.25			
		1100,40			
L	<u> </u>				

13	OTPC	For FY 2025-	Shared for FY	Done	shared
	(Palatana)	26, to be done I	2024-25.		
		Aug-Sept25	Planning to be		
			done for 2025-		
			26		
14	NTPC	For FY 2025-	Shared for FY	Done (by CPRI)	Complete
	(BgTPP)	26, to be in	2024-25.		Report
		Nov.25	Planning to be		shared.
			done for 2025-		Action plan
			26(November		shared.
			25)		
15	NHPC	To be done in	Internal audit to	To be done in July'25	
	(Loktak)	July'25	be done before		
			June		
			2025(July/Aug		
			ust 2025)		
16	APGCL	Utilities to update	te status		
17	TPGCL				
18	MEPGCL	Audit of Stg III	Report shared	External audits of all	
		and stg IV to be		generating stations	
		done by		were done in 2021.	
		Nov'25.		Audit of Umiam	
		Internal audit		Stg-I & Stg-IV	
		plan for all S/S		planned during	
		for FY 2025-26		Nov'25. For other	
		to be shared.		S/S, planning being	
		Leshka and		done.	
		Umiam stgIV			
		done last			
		month			
19	Dikshi HEP	DoP Ar.		DoP Ar. Pradesh	
	(IPP)	Pradesh		transmission division	
		transmission		has written a letter to	

divisio	n has	the plant, reply still	
writter	n a letter	awaited.	
to th	e plant,		
reply	still		
awaite	d.		

Further deliberations of 80th PCCM

MS NERPC advised that -

- 1. Captive power plants connected with the grid can also conduct the internal and external audits and requested SLDCs to coordinate with them.
- 2. the external audit reports of the utilities to be studied by a team comprising of member from NERPC, NERLDC and PowerGrid and list of recommended actions to be finalised and presented in PCC meetings so that the regular update may be taken on work progress.
- 3. He also suggested audit team to inspect UFR during audit.
- 4. NERLDC requested all utilities to submit the tentative date for Internal & External audit for FY 2025-26

Sub-committee noted as above

B.2 Analysis and Discussion on Grid Disturbances which occurred in NER grid in May'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 May 2025 based on the draft report prepared by NERLDC.

Deliberation

NERLDC representative apprised that total of 18 GDs occurred in May'25, out of which 11 were radial in nature. Further she stated that the GDs have been put up for discussion in further agenda items.

B.3 Status of submission of FIR, DR & EL outputs for the Grid Events for the month of May'2025:

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 01-05- 2025 to 31-05-2025 as on **11-06-2025** is given below:

			FIR			DR			EL		
Owner Name	No of tripping	Total Furnished in 24hrs %	Total Furnished after 24hrs %	Total furnished %	Total Furnished in 24hrs %	Total Furnished after 24hrs %	Total furnished %	Total Furnished in 24hrs %	Total Furnished after 24hrs %	Total furnished %	
AEGCL	27	0.00%	50.00%	50.00%	3.85%	88.46%	92.31%	11.54%	80.77%	92.31%	
APGCL	0				No t	ripping during N	1ay'25				
DoP, Arunachal Pradesh	18	46.67%	53.33%	100.00%	60.00%	36.67%	96.67%	63.33%	30.00%	93.33%	
DoP, Nagaland	10	0.00%	100.00%	100.00%	0.00%	100.00%	100.00%	12.50%	87.50%	100.00%	
MePTCL	28	85.71%	10.71%	96.43%	82.14%	14.29%	96.43%	67.86%	28.57%	96.43%	
MePGCL	11	9.09%	72.73%	81.82%	27.27%	54.55%	81.82%	9.09%	72.73%	81.82%	
MSPCL	8	20.00%	60.00%	80.00%	50.00%	20.00%	70.00%	50.00%	20.00%	70.00%	
P&ED, Mizoram	2	0.00%	100.00%	100.00%	100.00%	0.00%	100.00%	100.00%	0.00%	100.00%	
TSECL	30	0.00%	63.33%	63.33%	36.67%	53.33%	90.00%	16.67%	73.33%	90.00%	
NBTL	3	25.00%	25.00%	50.00%	50.00%	0.00%	50.00%	50.00%	0.00%	50.00%	
MUML	0				No t	ripping during N	1ay'25				
KMTL	0				No t	ripping during N	1ay'25				
NEEPCO	4	-	-	100.00%	-	-	100.00%	-	-	100.00%	
NHPC	3	66.67%	33.33%	100.00%	66.67%	33.33%	100.00%	66.67%	33.33%	100.00%	
NTL	6	16.67%	83.33%	100.00%	5.56%	77.78%	83.33%	11.11%	72.22%	83.33%	
OTPC	9	44.44%	55.56%	100.00%	100.00%	0.00%	100.00%	77.78%	0.00%	77.78%	
POWERGRID	73	63.01%	28.77%	91.78%	71.23%	23.29%	94.52%	65.75%	31.51%	97.26%	

FIR/DR/EL submission status of utilities having tripping of Generating Units as on 11-06-2025:

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		FIR		DR			EL			
Owner Name	No of tripping	Total Furnished in 24hrs %	Total Furnished after 24hrs %	Total furnished %	Total Furnished in 24hrs %	Total Furnished after 24hrs %	Total furnished %	Total Furnished in 24hrs %	Total Furnished after 24hrs %	Total furnished %
NEEPCO	13	-	-	100.00%	-	-	92.30%	-	-	100.00%
NTPC	1	0.00%	0.00%	0.00%	100.00%	0.00%	100.00%	100.00%	0.00%	100.00%
ОТРС	0		No Unit tripping during May'25							
NHPC	0		No Unit tripping during May'25							

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)

All the utilities are requested to submit details of tripping of downstream feeder on monthly basis in the google spreadsheet prepared by NERLDC.

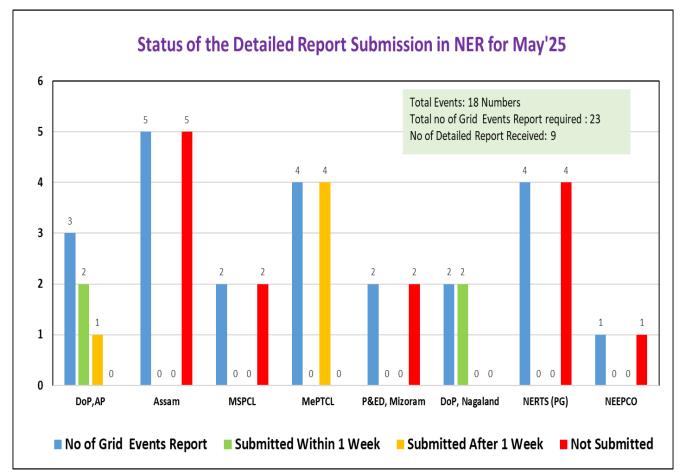
https://docs.google.com/spreadsheets/d/1rlksf6KO9LgQQ6bwMRDmbwm906We 1ysfR7KjrTxhG34/edit?gid=0#gid=0

Deliberation

Forum noted that DR submission rate in most cases is almost 100 percentage.MS NERPC appreciated the utilities for the same and requested that the practice should continue.

B.4 <u>Submission of Flash Report and Detailed Report by User/SLDC as per IEGC-2023:</u>

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 same for the month of **May, 2025** as on **11-06-2025** is shown below:



AEGCL, MSPCL, P&ED Mizoram, NERTS and NEEPCO have not submitted the detailed report of grid disturbance. Also, we have received 4 reports within one week of time and 5 reports after one week.

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.

Deliberation:

MSPCL: 2 GD report of Rengpang not submitted. To be shared shortly.

P&ED Mizoram: 2 GD report of Kolasib & Sihhmui not submitted. To be shared shortly.

NEEPCO: Not submitted for grid event at Tuirial HEP. To be shared shortly.

Forum appreciated DoP Arunachal Pradesh, AEGCL, MePTCL, DoP Nagaland & POWERGRID for submission of detailed report.

Forum urged all utilities for timely submission of detailed report as per grid code.

B.5 Non-operation of auto recloser in Important Grid Elements for transient faults in May 2025:

S1.		Tripping			Auto-	
No	Element	Date and	RELAY_A	RELAY_B	Recloser	Remarks
NO	Name	Time	KEDAI_A	KEDAI_B	not	from Utility
•		Time			Operated	
1	132 kV Dimapur - Doyang 1 Line	05-05- 2025 09:57	DP, ZI, Y-B, FD: 15.24km, A/R Successful	DP, ZI, Y-B, FD:72.4 kms, A/R Not operated	Doyang(NE EPCO)	CB issue. Procurement underway. Order placed, to be delivered within 5 months.
2	132 kV Pare - Itanagar Line	05-05- 2025 12:22	DP, ZI, Y-B, FD: 5.26 kms, A/R Not operated	DP, ZI, Y-B, FD: 22.674 kms, A/R Operated Sucessfully	Pare(NEEP CO)	Analysis yet to be done. Will inform in next PCC meeting. To be investigated. End-to-end testing will be conducted.
3	132 kV Badarpur - Karimganj Line	08-05- 2025 03:34	DP, ZI, Y-E, FD: 26.97kms, A/R Successful	DP, ZI, B-E, A/R Not operated	Karimganj(AEGCL)	Fault reoccurred, tripped in reclaim time.
4	400 kV Misa -	08-05- 2025 06:09	DP,ZI, B- E,FD: 130.85	DP, ZI, R- E,FD: 2.638	Silchar(PO WERGRID)	D60 relay issue. Planning to replace.

S1. No	Element Name Silchar 1 Line	Tripping Date and Time	RELAY_A KM, A/R Successful	RELAY_B Kms, A/R Not operated	Auto- Recloser not Operated	Remarks from Utility
5	132 kV Hailakandi - Panchgram Line	10-05- 2025 05:35	DP, ZI,R-E, A/R Successful	DP, ZII,R- E,FD: 19.8 KM, A/R Not operated	Panchgra m(AEGCL); Carrier aided tripping absent in the line	Carrier faulty, so no carrier aided tripping, so no AR. S/D to be taken for AR testing.
6	132 kV AGTCCPP - Kumarghat Line	12-05- 2025 05:20	DP, ZI, R-E, FD: 76.95 Kms, A/R Not operated	DP, ZI, R-E, FD: 76.95 Kms , A/R Operated Successfully	AGTCCPP(NEEPCO)	PLCC wiring issue, to be rectified in shutdown in June 25.
7	220KV- MAWNGAP - BYRNIHAT (KILLING)- 2	13-05- 2025 11:36	DP, ZI, R-E, FD: 90.14 kms, A/R Not operated	DP, ZI, R-E, FD: 7.34 kms, A/R Not operated	Both ends (MePTCL)	Single phase fault was identified as 3 phase fault by the relay. so No AR. Issue in BCU. S/D to be taken for its rectification by end of June'25.
8	220 kV Misa - Samaguri 1 Line	13-05- 2025 12:37	DP, ZI, R- E,FD: 9.55 KM, A/R Successful	DP, ZI, R-E, A/R Not operated	Samaguri(AEGCL)	AEGCL informed that Samaguri end bay owned by POWERGRID.

S1. No	Element Name	Tripping Date and Time	RELAY_A	RELAY_B	Auto- Recloser not Operated	Remarks from Utility The issue will be checked jointly and S/D will be taken for its rectification
9	132 kV Ranganadi -Itanagar line	16-05- 2025 19:39	DP, ZI, Y-E, FD: 25.11 km, A/R Operated Unsuccessful ly (due to persistent fault)	DP, ZI, R-Y- E, FD: 31.9 km, A/R Not Operated	Itanagar (DoP, Arunachal Pradesh)	To be investigated. End-to-end testing will be conducted.
10	132 kV AGTCCPP - PK Bari (TSECL) 1 Line	25-05- 2025 16:17	DP, ZI, R-B, FD: 0.608 Kms, A/R Not operated	DP, ZI, R-B, FD: 84.60 Kms, A/R Successful	AGTCCPP(NEEPCO)	Same as point no. 6
11	400 kV Biswanath Chariali - Ranganadi 1 Line	27-05- 2025 10:32	DP, ZI, Y-E, FD: 58.9KM, A/R Successful	DP, ZI, Y-E, FD: 175.6KM, A/R Not Operated	Ranganadi (NEEPCO)	Aided DEF was enabled, which blocked the AR. DEF is not enabled at the other end. Forum asked to disable the DEF
12	132 kV Dimapur (PG) - Kohima Line	31-05- 2025 00:24	DP, ZI, B-E, FD: 18.174KM, A/R Not operated	DP, ZI, B-E, FD: 25.75KM, A/R Not Operated	Dimapur (PG), Kohima(Do P, Nagaland)	DoP Nagaland informed that AR unsuccessful

S1. No	Element Name	Tripping Date and Time	RELAY_A	RELAY_B	Auto- Recloser not Operated	Remarks from Utility
						due to persisting fault

Sub-committee noted as above

B.6 Submission of Protection Performance Indices by Transmission Utilities:

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.

As on 11.06.2025, NETC, NTPC, OTPC, KMTL, DoP Nagaland, NEEPCO (Khandong, Doyang, Pare, Kameng), POWERGRID, MePTCL, MUML, NBTL and DoP Arunachal Pradesh has submitted protection performance indices for the month of May'25.

S1. No.	Name of Transmission Licencee	D= (Nc/Nc+Nf)	S= (Nc/Nc+Nu)	R= (Nc/Nc+Ni)	Remarks
1	NETC	-	-	-	No bay owned by NETC
2	KMTL	1	1	1	
3	DoP Nagaland	0.917	0.846	0.786	
	Sanis	1	0.67	0.67	Unwanted tripping of 132 kV Doyang-Sanis line on 31.05.2025
	Wokha	1	1	1	
	Chiephebozou	0.67	0.67	0.5	Failed operation of 132 kV Chiephebozou-

					Zadhima line on
					31.05.2025
	Zadhima	1	0.67	0.67	Unwanted tripping of 132 kV Zadhima- Chiephebozou line on 22.05.2025
	Kohima	1	1	1	
4	POWERGRID	1	1	1	
5	MePTCL	1	0.94	0.94	Unwanted tripping of 132 kV Lumshnong- Amrit line on 08.05.2025
6	MUML	-	-	-	No tripping during May'25
7	NBTL	1	1	1	
8	DoP Arunachal Pradesh	0.9	1	0.9	
	Along	0.5	0.67	0.4	Failed CB opening at Along end for 132 kV Basar line on 15.05.2025 & 23.05.2025
	Pasighat	1	1	1	
	Itanagar	1	1	1	
	Lekhi	1	1	1	
	Yachuli	1	1	1	
	Basar	1	1	1	
	Daporijo	1	1	1	
9	AEGCL	-	-	-	Not Submitted

10	NTL	-	-	-	Not Submitted
11	MSPCL	-	-	-	Not Submitted
12	P&ED Mizoram	-	-	-	Not Submitted
13	TSECL	-	-	-	Not Submitted

S1.	Name of Generating Company	D= (Nc/Nc+Nf)	S= (Nc/Nc+Nu)	R= (Nc/Nc+Ni)	Remarks
1	NTPC	1	1	1	
					Unwanted Bus bar
					operation in 132 kV
					Bus-I at Palatana
					at 13:08 Hrs of
2	OTPC	1	0.75	0.75	29.05.2025 (Fault
					was in 132 kV
					Surajmaninagar-
					Budhjungnagar
					line)
3	NEEPCO	1	0.73	0.73	
					Unwanted tripping
					of 132 kV
	Khandong	1	0.4	0.4	Khandong-
	Kilandong	1	0.4	0.4	Umrangshu line on
					04.05.2025 &
					06.05.2025
	Doyang	1	1	1	
	Pare	1	1	1	
	Kameng	1	1	1	

	NEEPCO(AGBPP,				Not Submitted
4	AGTCCPP,	-	-	-	
	Monarchak)				
5	MePGCL	-	-	-	Not Submitted
6	NHPC	-	-	-	Not Submitted

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.

Deliberation

Report submitted by NETC, NTPC, OTPC, KMTL, DoP Nagaland, NEEPCO (Khandong, Doyang, Pare, Kameng), POWERGRID, MePTCL, MUML, NBTL, DoP Arunachal Pradesh, AEGCL, Monarchak & NHPC.

Report not submitted by transmission utilities such as NTL, MSPCL, P&ED Mizoram & TSECL and Generating companies such as MePGCL and NEEPCO (AGBPP, AGTCCPP). MS NERPC advised that utilities which are finding any difficulty in submitting report, they may contact with NERPC/NERLDC team.

B.7 Time Drift issue of submitted Disturbance recorder during May 2025:

As per Regulation No. 17(1) of IEGC 2023- All users shall keep the recording instruments (disturbance recorder and event logger) in proper working condition. As per Regulation No. 17(3) of IEGC 2023, the time synchronization of the disturbance recorders shall be corroborated with the PMU data or SCADA event loggers by the respective RLDC. Disturbance recorders which are non-compliant shall be listed out for discussion at RPC.

List of elements with time drift issue in the submitted DRs for May 2025 are as follows:

SL No	Element Name	Tripping Date and Time	SENDOWNER	RENDOWNER	Time synch
1	132 kV Ningthoukhong - Churachandpur 2 Line	27-05- 2025 12:00	MSPCL	MSPCL	Ningthoukhong: 1 Hr 50 mins time lead (13:50 Hrs)
2	132 kV Baramura - Jirania Line	29-05- 2025 00:10	TSECL	TSECL	Baramura: 1 Hr 2 mins time lag (23:08 Hrs) Jirania: 1 Hr 2 mins time lag (23:08 Hrs)
3	132 kV Khliehriat - Mustem Line	11-05- 2025 11:48	MePTCL	MePTCL	Khliehriat: 1 Hr time lead (12:48 Hrs)
4	132 kV South Comilla (Bangladesh) - Surajmani Nagar 1 Line	29-05- 2025 06:42	BANGLADESH	POWERGRID	Surajmani Nagar: 59 mins time lead (07:41 Hrs)
5	132 kV Palatana- Surajmaninagar Line	29-05- 2025 13:08	OTPC	POWERGRID	Palatana: 59 mins time lead (14:07 Hrs)
6	132 kV South Comilla (Bangladesh) - Surajmani Nagar 2 Line	29-05- 2025 06:42	BANGLADESH	POWERGRID	Surajmani Nagar: 58 mins time lead (07:40 Hrs)
7	132 kV South Comilla (Bangladesh) - Surajmani Nagar 1 Line	28-05- 2025 16:20	BANGLADESH	POWERGRID	Surajmani Nagar: 57 mins time lead (17:17 Hrs)

CI		Tripping			
SL	Element Name	Date and	SENDOWNER	RENDOWNER	Time synch
No		Time			
	132 kV South				
	Comilla	28-05-			Surajmani Nagar:
8	(Bangladesh) -	2025	BANGLADESH	POWERGRID	57 mins time lead
	Surajmani Nagar	16:20			(17:17 Hrs)
	2 Line				
	132 kV Sarusajai	10-05-			Umtru: 44 mins
9	- Umtru 1 Line	2025	AEGCL	MePGCL	time lead (20:04
	omara i bine	19:20			Hrs)
	132 kV	22-05-			Chiephobozou: 33
10	Chiephobozou-	2025	DoP, Nagaland	DoP, Nagaland	mins time lag
	Wokha Line	16:42			(16:09 Hrs)
	132 kV Sarusajai - Umtru 2 Line	30-05-	AEGCL	MePGCL	Umtru: 29 mins
11		2025			time lag (08:07
		08:36			Hrs)
	132 kV Sarusajai - Umtru 2 Line	30-05-		MePGCL	Umtru: 16 mins
12		2025	AEGCL		time lag (13:34
		13:50			Hrs)
	132 kV Kohima- Zadhima Line	31-05-			Zadhima: 16 mins
13		2025	DoP, Nagaland	DoP, Nagaland	time lead (01:48
		01:32			Hrs)
	132 kV Pailapool - Srikona Line	10-05-			Srikona: 15 mins
14		2025	AEGCL	AEGCL	time lead (03:30
		03:15			Hrs)
	132 kV	11-05-		TSECL	Dharmanagar: 15
15	Dharmanagar - P K Bari Line	2025	TSECL		mins time lag
		10:50			(10:35 Hrs)
	132 kV Roing - Pasighat Line	23-05-			Pasighat: 13 mins
16		2025	POWERGRID	POWERGRID	time lag (13:48
		14:01			Hrs)
	132 kV Sarusajai	10-05-			Umtru: 12 mins
17	- Umtru 2 Line	2025	AEGCL	MePGCL	time lag (18:47
		19:14			Hrs)

SL No	Element Name	Tripping Date and Time	SENDOWNER	RENDOWNER	Time synch
18	132 kV Budhjangnagar (TSECL) - Surjamaninagar (TSECL) Line	05-05- 2025 10:26	TSECL	TSECL	Budhjangnagar (TSECL): 2 mins time lag (10:24 Hrs) Surjamaninagar (TSECL): 9 mins time lag (10:17 Hrs)
19	132 kV Panchgram - Lumshnong Line	08-05- 2025 02:42	AEGCL	MePTCL	Panchgram: 2 mins time lag (02:40 Hrs) Lumshnong: 8 mins time lag(02:34 Hrs)
20	132 kV Palatana - Udaipur Line	29-05- 2025 13:08	OTPC	TSECL	Palatana: 8 mins time lag (13:00 Hrs)
21	132 kV Badarpur - Kolasib Line	12-05- 2025 06:50	POWERGRID	POWERGRID	Kolasib: 6 mins time lead (06:56 Hrs)
22	132 kV Badarpur - Kolasib Line	16-05- 2025 19:38	POWERGRID	POWERGRID	Kolasib: 6 mins time lead (19:44 Hrs)
23	132 kV Dharmanagar - P K Bari Line	31-05- 2025 11:08	TSECL	TSECL	P K Bari: 6 mins time lag (10:08 Hrs)
24	132 kV AGTCCPP - Kumarghat Line	12-05- 2025 05:20	NEEPCO	POWERGRID	Kumarghat: 5 mins time lag (05:15 Hrs)
25	132 kV Badarpur - Kolasib Line	12-05- 2025 05:52	POWERGRID	POWERGRID	Kolasib: 5 mins time lead (05:57 Hrs)

SL No	Element Name	Tripping Date and Time	SENDOWNER	RENDOWNER	Time synch
26	132 kV Panchgram - Lumshnong Line	11-05- 2025 05:39	AEGCL	MePTCL	Panchgram: 4 mins time lag (05:35 Hrs)
27	132 kV Agartala - Rokhia 1 Line	11-05- 2025 15:40	TSECL	TSECL	Agartala: 4 mins time lag (15:36 Hrs) Rokhia: 4 mins time lag (15:36 Hrs)
28	132 kV Imphal (MSPCL) - Yaingangpokpi 2 Line	24-05- 2025 12:43	MSPCL	MSPCL	Imphal (MSPCL): 4 mins time lag (12:39 Hrs)
29	132 kV Panchgram - Lumshnong Line	30-05- 2025 08:16	AEGCL	MePTCL	Lumshnong: 4 mins time lead (08:20 Hrs)
30	132 kV Panchgram - Lumshnong Line	10-05- 2025 01:35	AEGCL	MePTCL	Panchgram: 3 mins time lag (02:32 Hrs)
31	132 kV Panchgram - Lumshnong Line	30-05- 2025 13:31	AEGCL	MePTCL	Lumshnong: 3 mins time lead (13:34 Hrs)

Utilities should ensure that the submitted DR and EL files have correct time synchronisation for proper analysis purposes. Healthiness of GPS may be checked and time to be adjusted as per grid code.

Deliberation

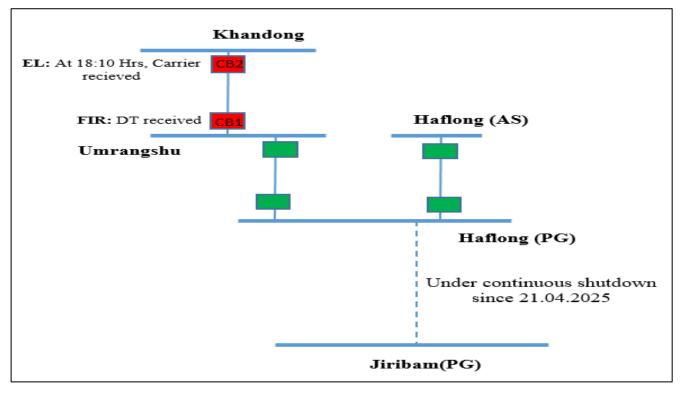
Forum urged that utilities should ensure that the submitted DR and EL files have corrected time synchronization for proper analysis purposes. MS NERPC Utilities to ensure healthiness of GPS in all substations and expedite installation of GPS wherever GPS is not present.

B.8 Frequent tripping of 132 kV Khandong - Umranshu Line and Grid Disturbance in Umrangsho and Haflong Areas of Assam Power System on 4th May'25 & 6th May'25:

132 kV Haflong (PG)–Jiribam line has been under continuous shutdown since 21.04.2025. Consequently, the Umrangso, Haflong(PG) and Haflong (AEGCL) areas are currently being catered to solely through the 132 kV Khandong–Umrangsu line. On 04.05.2025 & 06.05.2025, 132 kV Khandong - Umranshu Line tripped leading to blackout at radially connected Umrangso, Haflong(PG) and Haflong (AEGCL) areas. Load loss of 11 MW observed for both events.

Following Observations:

For tripping on 04.05.2025



- As per the FIR from Umranshu, the first tripping was recorded at 17:40 hrs
 due to a DT (Direct Trip) signal sent from the Khandong end to Umrangshu
 end.
- A second tripping occurred at 18:10 hrs, during an attempted line charging, due to a carrier signal received at Khandong from the Umrangso end.
- No DR files submitted from both ends which is a violation of Clause 37.2 (c) of IEGC-23.

For tripping on 06.05.2025

- As per the information shared with the NERLDC Control Room, the 132 kV Khandong–Umrangso line was hand-tripped at the Khandong end.
- NEEPCO is requested to clarify the reason for this operational action.

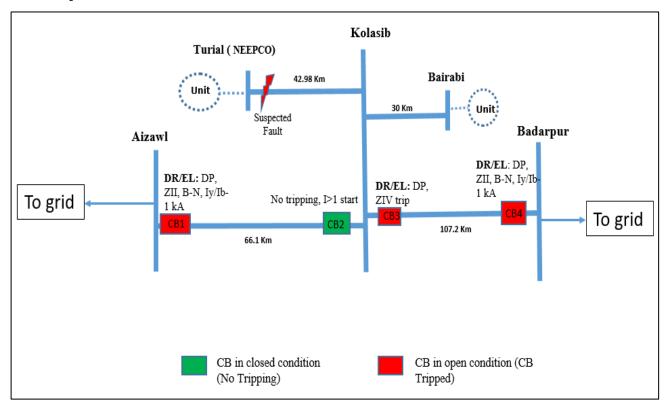
AEGCL & NEEPCO may update the root cause and actions taken on the abovementioned issues.

Deliberation

NEEPCO informed that it was an inadvertent human error on the part of the maintenance team and assured that such incident will not be repeated in future. Forum urged and advised NEEPCO to strictly follow the Standard Operating Procedure (SoP) for O&M practices. The matter was also discussed in agenda 2.6 of 226th OCCM

B.9 Grid disturbance in Kolasib, Turial and Bairabi area of Mizoram Power system on 12.05.2025:

At 05:52 Hrs of 12-05-2025, 132 kV Aizawl-Kolasib and 132 kV Badarpur-Kolasib lines tripped leading to loss of power in Kolasib, Turial and Bairabi area of Mizoram Power system.



As per DR analysis, B-N fault (Ib-1.1 kA, In-1 kA) initiated at 05:52:05.174 hrs which was cleared within 412 msec from Aizawl end on operation of DP, ZII. There was no tripping from Kolasib end.

For 132 kV Badarpur-Kolasib line, fault cleared within 511 msec from Badarpur end on operation of DP, ZII. ZIV operated from Kolaisb end within 513 msec.

Following observations:

- Disturbance Recorder (DR) analysis confirms the fault was either in 132 kV Tuirial-Kolasib line or 132 kV Kolasib-Bairabi line or downstream of Kolasib substation.
- Protection system failed to isolate the fault due to which fault was cleared by tripping of healthy 132 kV Aizawl-Kolasib & 132 kV Badarpur-Kolasib lines.
 P&ED Mizoram needs to ensure healthiness of protection system of all elements including downstream elements.
- DR time drift at Kolasib end: 6 min for 132 kV Badarpur Line & 2 min for 132 kV Aizawl line which needs to be rectified.
- Non-submission of Flash report and detailed report by P&ED Mizoram which is a violation of Clause 37.2 (b) & 37.2 (e) of IEGC regulation 2023.
- In 79th PCC meeting, Forum asked P&ED Mizoram to provide relay setting of all the elements connected to Kolasib including downstream elements. Also, Mizoram to conduct relay testing for checking the healthiness for 132 kV Kolasib – Tuirial and 132 kV Kolasib-Bairabi Line. Mizoram informed that relay testing will be done by May-June'25 during internal audit.

Similar incident occurred at 15:33 hrs of 05.05.2024, 15:28 hrs of 13.08.2024 and 14:24 Hrs of 20-03-2025 & 07.04.2025.

P&ED Mizoram may update the root cause of the event and update the actions taken on the above-mentioned issues.

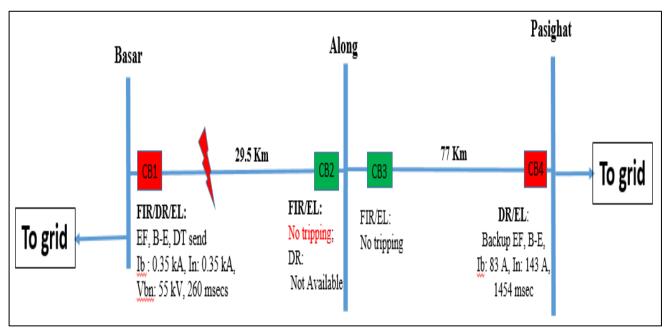
Deliberation

Mizoram informed that due to adverse weather condition, Kolasib relay is inaccessible so relay testing can't be done and also relay settings could not be sent to NERPC. NERPC stated that once Mizoram provides all the required settings, comprehensive settings review will be done.

MS NERPC strongly urged Mizoram to check the relay and provide the settings at the earliest.

B.10 Grid Disturbance in Along area of Arunachal Pradesh Power system on 15-05-2025:

At 04:31 hrs & 04:32 hrs of 15-05-2025, 132 kV Basar-Along & 132 kV Along-Pasighat line tripped respectively resulting in grid disturbance in Along area of Arunachal Pradesh power system. Load loss of 2.5 MW.



As per DR/EL analysis, high resistive B-N fault (Ib- 325 A, In-325 A) initiated at 04:31:35.760 Hrs in 132 kV Along-Basar line which was cleared within 260 msec from Basar end on operation of E/F protection (DT send). There was no tripping from Along end due to which fault was continuously feeding from Pasighat end of 132 kV Along line which was cleared within 1.45 sec on operation of B/U E/F from Pasighat end (IN>2 trip observed at 04:31:22.552 hrs)

Following observations:

- Vegetation fault occurred in 132 kV Basar-Along line.
- Relay at Along for 132 kV Basar line (CB2) failed to detect the fault in the line (DR not available) resulting in clearing of fault by tripping of healthy 132 kV Along-Pasighat line from Pasighat end.
- B/U E/F protection at Basar end for 132 kV Along line needs to be reviewed.

- Both 67/67N operated & IN>2 trip operated at Pasighat end for 132 kV Along line. The same needs to be checked. IN>2 Trip command seems unwanted and the same needs to be disabled as per NERPC protection philosophy.
- Time drift of 1-2 minutes observed at Along for both the lines.

DoP Arunachal Pradesh may update the actions taken on the above-mentioned issues.

Deliberation

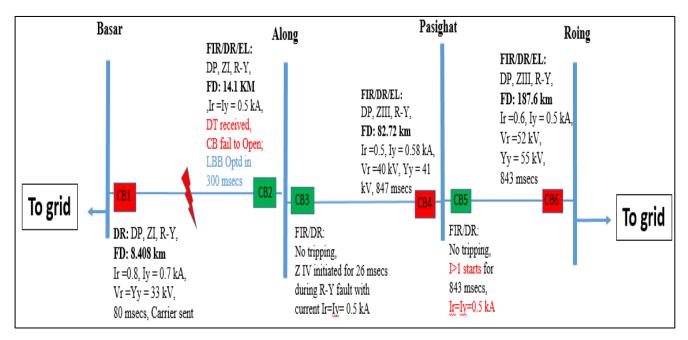
Regarding non-operation of Along CB, DoP Ar. Pradesh informed that new CB has come to the site and they will be installed shortly during shutdown.

Regarding tripping at Basar end, NERPC stated that EF tripping occurred very fast and TMS may been set a very less value. NERPCsuggested to increase the TMS sothat the tripping time becomes 800 msec for the same fault current. Also, NERPC asked DoP submit the settings of DOC/DEF relay as both relays operated for the fault.

Regarding tripping at Pashighat end, NERLDC informed that the IN>2 was enabled. NERPC advised Arunachal Pradesh to disable the IN>2 function.

B.11 Grid Disturbance in Along, Pasighat, Napit & Niglol areas of Arunachal Pradesh Power system on 23-05-2025:

At 14:01 Hrs of 23-05-2025, 132 kV Basar-Along & 132 kV Roing-Pasighat lines tripped resulting in grid disturbance in Along, Pasighat, Napit & Niglok areas of Arunachal Pradesh Power system. Load loss of 11 MW occurred.



A dry tree fallen/ came in contact with R-Y phase of the 132 kV Basar-Along line resulted into operation of DP, ZI, R-Y, FD: 8.4 Km at Basar end within 80 msecs. However, CB fails to opens at Along end after issuance of trip command by distance protection relay in ZI and the fault continued to feed from Roing side till 843 msecs. The fault cleared from Roing end of 132 kV Pasighat - Roing line after 843 msecs on operation of DP, ZIII, R-Y, FD: 187.6 Km.

Following observations:

- **Non operation of CB (CB2) at Along:** The distance protection at Along end issued the trip command. However, CB fails to open which is undesirable for the protection system at Along end. DoP, Arunachal Pradesh is requested to share the root cause for the CB failure & take corrective action to avoid reoccurrence in future.
- **LBB protection at Along SS:** The DR of 132 kV Basar Along line at Along showing LBB Operation after 300 msecs. DoP, Arunachal is requested to confirm the non-operation LBB at Along SS during the CB stuck condition.
- **DT received at CB (CB2) at Along:** DR of Main relay showing DT received at Along end. However, no DT sent from the Basar end. DoP, Arunachal to check the possible interchange in Carrier & DT received signal at Along.
- Non Directionality of OC protection at Pasighat (CB5): Initiation of backup OC (I>1 Start) protection in the Main Relay at Pasighat end of 132 kV Roing line during fault in 132 kV Basar- Along line seems unwanted. The same

should be made Forward directional as per PROTECTION PROTOCOL OF NORTH EAST REGION.

- **DR time drift at Pasighat (CB5):** DR for main relay at Pasighat showing fault initiation time of 13:48:23.077 which indicates DR time drift of 12-13 minutes. The same need to be corrected by NERTS.
- Review of ZIII reach of DPR at Roing (CB6): Roing end showing ZIII tripping with fault distance of 187.6 Km which seems correct as per the PROTECTION PROTOCOL OF NORTH EAST REGION which says ZIII Reach 120% of (the protected line + of the longest line at remote bus). The line length of 132 kV Pasighat Roing line & 132 kV Along Pasighat is 102.8 Km & 77 Km respectively. However the reach may be relooked for providing Pasighat end of 132 kV Along Pasighat line preference to clear the fault in ZIII to avoid Grid Disturbance at Pasighat substation in future.

Similar incident occurred on 07.04.2024, 17.04.2024, 13.06.2024, 08.12.2024, 23.01.2025, 05.02.2025, 15.02.2025.

DoP Arunachal Pradesh & NERTS may update the actions taken on the abovementioned issues.

Deliberation

Issues and updates as provided by respective utility -

SN	Issue	Utiltiy concerned	update
1.	Non operation of CB	DoP Ar. Pradesh	New CB has reached site,
	(CB2) at Along		will be installed shortly
2.	LBB protection at Along SS	DoP Ar. Pradesh	Integartion of CB3 in LBB
			is pending
3.	DT received at CB (CB2) at	DoP Ar. Pradesh	Root cause will be looked
	Along		into shortly
4.	Non-Directionality of OC	NERTS, Powergrid	To check directioanlaity.
	protection at Pasighat		NERTS informed that relay
	(CB5		Is of former version, it just
			picks up the faut but does
			not trip

5.	Review of ZIII reach of DPR	Powergrid	It	was	don	e but
	at Roing (CB6):		inadv	vertantly	old	settigns
			was	uploade	ed.	Resolved
			now.			

B.12 Maloperation of SPS related to Bangladesh on 28th May'25:

At 16:20 Hrs of 28-05-2025, 132 kV Surajmaninagar-Comilla D/C lines tripped resulting in disconnection of Comilla load of 36 MW.

As per PMU signal at 400 kV SMnagar (ST) for Palatana line, there was no fault observed in the system.

As per DR received from Surajmaninagar end, Carrier was received and no fault observed in the system.

Tripping of 132 kV Surajmaninagar-Comilla D/C lines at Surajmaninagar on receipt of SPS signal generated from Palatana is inferred unwanted/maloperation.

OTPC may furnish the reason of such maloperation of SPS and remedial measures taken.

Deliberation

OTPC informed that during the maintenance work of 220 V DC charger, spurious signal was generated inadvertently which caused tripping of SPS. Issue resolved now.

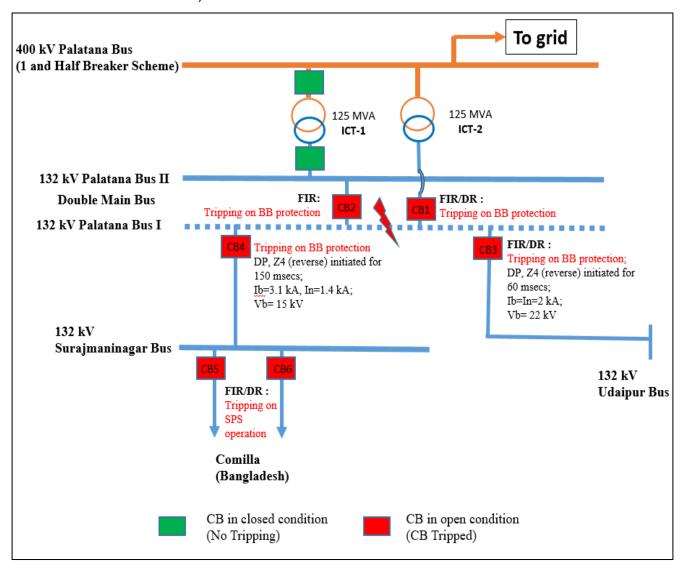
It was brought to the notice of the forum in the 80th PCCM, by Powergrid, that Auto Reclosure function of 132kV SMNagar-Palatana feeder owned by POWERGRID is kept in OFF condition since the implementation of the SPS at SMNagar for tripping of the 132kV SMNagar-Comilla feeders in case of tripping of 132kV SMNagar-Palatana feeder. It was done to avoid grid disturbance in the 132kV Tripura grid. Forum noted the same.

B.13 Repeated tripping of 132 kV Palatana Bus-I on 29th May'25:

Event 1: At 06:42 Hrs of 29.05.2025

At 06:42 Hrs of 29-May-25, 132 kV Palatana Bus-I tripped resulting in tripping of all elements connected to Bus-I namely., 132 kV Palatana-Surajmaninagar, 132 kV Palatana-Udaipur lines & 400/132 kV ICT-II at Palatana. SPS related to Bangladesh

operated due to tripping of 132 kV Palatana-Surajmaninagar Line leading to disconnection of 132 kV Surajmaninagar-Comilla D/C lines. (Comilla load disconnection of 28 MW)



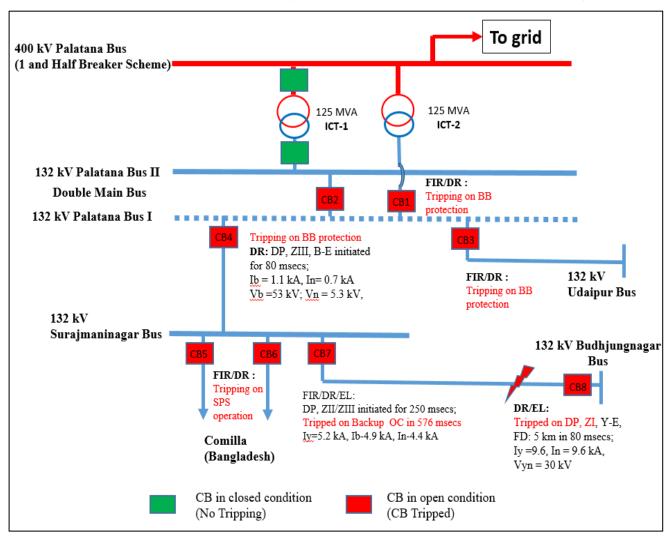
As per DR analysis, B-N fault of metallic nature initiated likely in the 132 kV Surajmaninagar Bus I which was cleared on operation Bus bar protection of 132 kV Main Bus I in 70-80 msecs.

The same fault was detected by the main protection of 132 kV Palatana – Surajmaninagar line & 132 kV Palatana – Udaipur line in ZIV i.e. reverse direction. DR time drift of 1 Hr observed at Palatana end for Surajmaninagar line & 8 min for Udaipur line.

OTPC may share the root cause of the event and remedial measures taken.

Event 2: At 13:08 Hrs of 29.05.2025

At 13:08 Hrs of 29-May-25, 132 kV Palatana Bus-I tripped resulting in tripping of all elements connected to Bus-I. SPS related to Bangladesh operated due to tripping of 132 kV Palatana-Surajmaninagar Line leading to disconnection of 132 kV Surajmaninagar-Comilla D/C lines (Comilla load disconnection of 28 MW)



As per DR analysis, Y-N fault of metallic nature initiated at 13:08:01.059 Hrs in 132 kV Surajmaninagar – Budhjungnagar line which was cleared from Budhjangnagar in 80 msecs on DP, ZI & Surajmaninagar in 576 msecs on operation of B/U O/C protection (ZII/ZIII started and deactivated after 250 msec)

The same fault was detected by main protection of 132 kV Palatana – Surajmaninagar line in ZIII. However, Bus bar protection of 132 kV Main Bus I sensed the fault & immediately issued trip command to all the feeder connected to the Bus I.

Protection issues:

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- Operation of Bus Bar protection due to external fault seems unwanted.
 Healthiness of BB protection need to be ensured to avoid such misoperation in future.
- DP, ZII/ZIII deactivated at Surajmaninagar for Budhjungnagar line after 250 msecs during forward fault of metallic nature seems unwanted.
- DR time drift of around 10 min observed at Surajmaninagar end for 132 kV Budhjungnagar line. DR time drift of 1 Hr observed at Palatana end for 132 kV Surajmaninagar Line and 8 min for 132 kV Udaipur line.

OTPC & TSECL may update share the root cause and provide update on the above mentioned issues.

Deliberation

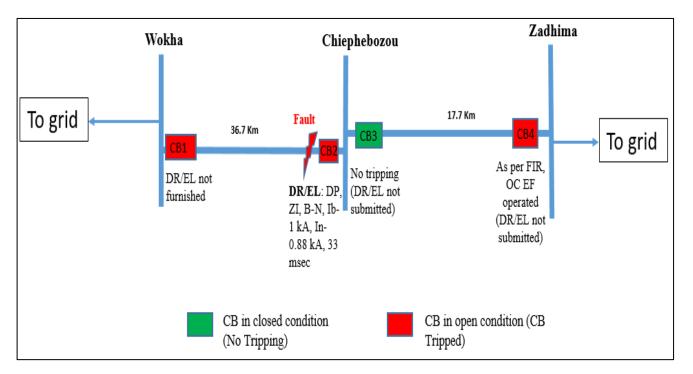
OTPC informed regarding both the events that they looked into the root cause of the fault but no issue was found. Hitachi engineer(OEM) will come on 26th June to look into the issue.

Forum suggested to check the CT polarity and conduct the Bus Bar stability test during the Hitachi visit.

B.14 Grid disturbance in Nagaland Power System during May'25:

Event 1: Grid disturbance in Chiephebozou area of Nagaland on 22-05-2025

At 16:42 Hrs of 22-05-2025, 132 kV Wokha - Chiephobozou and 132 kV Zhadima - Chiephobozou lines tripped resulting in grid disturbance of Chiepebozou area of Nagaland. Load loss of 1.2 MW occurred.



As per DR analysis of 132 kV Wokha-Chiephebozou line, solid B-N fault (Ib-1 kA, In-0.88 kA) initiated at 16:09:08.490 Hrs and cleared within 33 msec from Chiephebozou end on operation of DP, ZI. As per FIR, OC EF operated at Zadhima end for 132 kV Chiephebozou line.

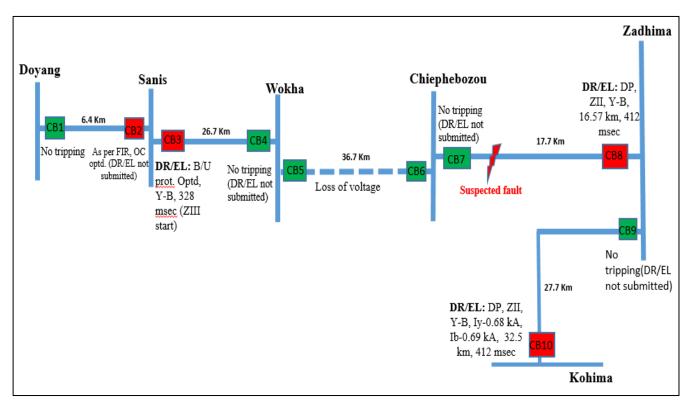
Following observations:

- Tripping of 132 kV Zadhima-Chiephebozou line on operation of OC EF for fault beyond the line is inferred unwanted.
- DR/EL not submitted for tripping of 132 kV Zadhima-Kohima line & Wokha end for Chiephebozou line which is a violation of Clause 37.2 (c) of IEGC-23.

DoP Nagaland may share the root cause of the event and provide update on the above-mentioned issues.

Event 2: Grid disturbance in Sanis, Wokha, Chiephebozou & Zadhima areas of Nagaland on 31-05-2025

At 01:32 Hrs of 31-05-2025, 132 kV Zadhima-Kohima, 132 kV Doyang-Sanis & 132 kV Sanis-Wokha lines tripped resulting in grid disturbance of Sanis, Wokha, Chiephebozou & Zadhima areas of Nagaland. Load loss of 2 MW occurred.



As per DR analysis, Y-B fault (Iy-0.68 kA, Ib-0.69 kA) initiated at 01:48:31.562 Hrs which was cleared within 412 msec from Kohima end on operation of DP, ZII. No tripping from Zadhima end.

132 kV Chiephebozou-Zadhima line tripped on ZII from Zadhima end within 412 msec. No tripping from Chiephebozou end.

132 kV Sanis-Wokha line likely tripped on B/U protection (ZIII start in main relay) within 328 msec. No tripping from Wokha end.

Following observations:

- Suspected fault in 132 kV Zadhima-Chiephebozou line at a distance of 16.57
 Km (as per FIR)
- Non-opening of CB7 is a matter of concern.
- 132 kV Sanis-Wokha line tripped within 328 msec on B/U protection. B/U protection setting needs to be reviewed.
- Tripping of 132 kV Doyang-Sanis line on OC protection from Sanis end for fault in reverse direction seems unwanted. Directonality of B/U protection needs to be checked and kept forward direction.
- DR/EL not submitted for CB1, CB2, CB3(B/U protection), CB4, CB5, CB7 & CB9 which is a violation of Clause 37.2 (c) of IEGC-23.

• DR time drift of 16 min observed at Kohima end for Zadhima line, 26 min at Zadhima end for 132 kV Chiepebozou line, 13 min at Sanis end for Wokha line.

Similar incident occurred on 27.06.2024.

DoP Nagaland may share the root cause of the event and provide update on the above-mentioned issues.

Deliberation

OTPC-DoP Nagland informed that there are multiple relay setting issues along the Doyang-Sanis-Wokha-Chiephebozou-Zadima-Kohima link and requested NERPC to help coordinate the settings. MS NERPC instructed to resolve the issue in coordination with NERPC and NERLDC at the earliest.

MS NERPC informed that a protection(relay) setting review committee to be formed to review the relay setting in NER. This committee members will impart training between 10 to 11:30 Hrs to all stakeholder before start of monthly PCC meeting.

All States/Utilities to bring relay setting at Substations including Nagaland. PRDC and State to check setting in data base and verify as per NER protection philosophy.

C. FOLLOW-UP AGENDA ITEMS

C.1 Submission of monthly and quarterly progress report by respondents of NERLDC's Petition:

As per the Direction of Hon'ble commission related to the Petition No 198/MP/2020, 259/MP/2020, 535/MP/2020, 539/MP/2020 and 540/MP/2020, respective respondents have to submit the **monthly/quarterly progress report** of the action plan prepared by the respective respondents in consultation with the Petitioner (i.e. NERLDC) to NERPC.

Order dated	Petition No	Respondent
	198/MP/2020	DoP, Arunachal Pradesh
08-Nov-2023	259/MP/2020	DoP, Nagaland
	539/MP/2020	MSPCL
27-Oct-2023	535/MP/2020	TPTL/TSECL
	540/MP/2020	P&ED, Mizoram

In 63rd PCCM, MS, NERPC stated that Hon'ble CERC (in above mentioned Petition) has directed the following:

NERPC shall monitor the work of the implementation of the Protection system by the Department of Power, Arunachal Pradesh; Department of Power, Nagaland, MSPCL, TPTL/TSECL, P&ED, Mizoram and shall submit a quarterly progress report to the Commission till the establishment of the Protection system at the substations identified by the NERLDC.

NERPC shall validate relay settings and conduct the Protection Audit of the associated transmission system at the substation and transmission lines, as and when required. Any issue faced during the implementation of Protection system or observed during the protection audit shall be discussed in the Protection Sub-Committee meeting at the RPC forum and sorted out. Concerned Power department /State shall identify one person from their top management as a nodal officer, who shall submit a monthly progress report on the implementation of the protection

system to the NERPC and NERLDC, till the establishment of the Protection system at the substations identified by the NERLDC.

In this regard, Member Secretary stated that the monthly progress reports will be monitored at PCC forum. He requested the States to send monthly progress report and action plan accordingly.

In 79th PCCM, NERLDC informed that only Nagaland has not yet submitted the progress report of April. Forum urged Nagaland to submit the same at the earliest. Further, NERPC stated that the quarterly report for Jan'25-March'25 quarter will be submitted to CERC next week.

Deliberation

NERPC informed that the quarterly work progress report for Jan-March'25 will be sent next week to CERC.

Forum requested all utilities for timely submission of monthly progress report.

C.2 Status on remedial measures actions on non-operation of auto recloser in Important Grid Elements for transient faults occurred in last few months:

Utilities updated in 80th PCCM as provided in the table below:

S1		Trippin				Remarks from
N	Element	g date	Relay	Relay	A/R not	Utility (80th
	Name	and	End1	End2	Operated	PCCM)
0		time				
1	132 kV Agartala - Surajmaninaga r 2 Line	17-11- 2023 15:10	DP,ZI,Y- B,FD:5.81 km, AR successful	DP,ZI,R- Y,FD:11.98 KM	Surajmani nagar	Implemented last month, to be switched on.
2	132 kV Dimapur - Doyang 2	29-03- 2024 13:10		DP, Z1, R- Y	Doyang	CB procurement underway. Order placed, CB will be supplied in 5 months.

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						the site by end of June'25. After that 1 week required for installing the CBs.
7	132 kV Daporijo - Ziro Line	13-01- 2025 15:00:00	DP, ZI, B-E, AR Not Operated	DP, ZI, B-E, FD: 67.724Km s, A/R Operated Successful ly	Daporijo (DoP AP)	Relay logic issues, will be checked by experts from outside state after rainy season. Issue with pneumatic CBs. Procurement of new CBs underway.
8	132 kV AGTCCPP - Kumarghat Line	16-03- 2025 20:32:00	DP, ZI, B-E, FD: 22.08 Kms, A/R Not Operated	DP, ZI, B-E, FD: 76.656 Kms, A/R Operated Successful ly	AGTCCPP (NEEPCO)	Powergrid has provided the solution, to be implemented shortly.
9	132 kV Basar- Daporijo Line	19-03- 2025 08:44:00	DP, ZI, R-Y, FD: 33.15 km, A/R Not Operated	DP, ZI, R-Y, A/R Operated Successful ly	Basar (DoP, Arunachal Pradesh)	To be resolved by end of July'25
10	132 kV Jiribam - Tipaimukh Line	05-04- 2025 20:05:00	DP, ZI, R-E, FD: 48.14 Kms , AR Operated Sucessfully	DP, R- E,16.7 KM, Ir-0.81 KA	Tipaimukh (MSPCL)	MSPCL to look into the issue as Law and order situation improves.

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11	132 kV Lekhi - Nirjuli Line	05-04- 2025 20:56	DP, ZI, Y-E, FD: 0.489 km	DP, ZI, Y-E, FD: 5.9 Kms, AR Operated Unsucessf ully	Lekhi (AP)	rectified
12	132 kV Loktak - Rengpang Line	05-04- 2025 21:12:00	DP, ZI, B-E, FD: 15.44 Kms	Loss of Voltage	Loktak(NH PC)	Checked but found nothing. To be revied in next tripping.
13	132 kV Pare - Itanagar Line	05-04- 2025 22:30:00	DP, ZI, R-E	DP, ZII, R- E, FD: 29.9 KM	Both Ends	Carrier aided AR logic needs to be checked and end-to-end testing to be done. By Sep'25
14	132 kV Khandong - Khliehriat 2 Line	06-04- 2025 16:35:00	M1:B-N ,Z- 1, 4.129 KA, 2.057 KM, AR Operated Successfully	M1:B-N ,Z- 1, 4.129 KA, 2.057 KM	Khliehriat (POWERG RID)	Issue resolved.
15	220 kV Sarusajai- Sonapur Line	10-04- 2025 12:44	DP, ZI, R-E, FD: 6.9 Kms; AR Not Operated	DP, ZI, Y-E, FD: 36.9Kms; AR Operated Successfull y	Sarusajai (AEGCL)	Fault reoccurred in reclaim time
16	220 kV Mariani (AEGCL) - Samaguri Line	13-04- 2025 10:04	DP, ZI, Y-E, FD: 146.7 Kms; AR Operated Sucessfully	DP, ZI, Y- E, FD:2.4 kms; AR Not Operated	Samaguri (AEGCL)	Issue with breaker status, will check in next shutdown.

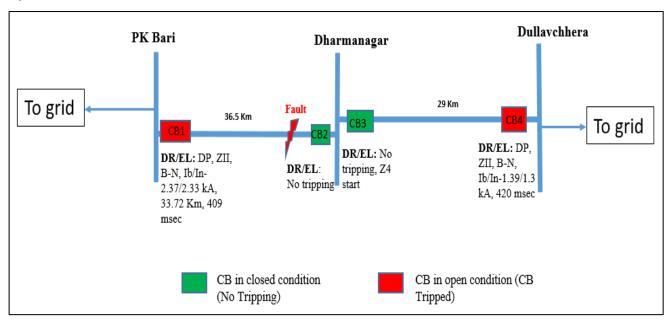
17	220 kV Kopili - Misa 2 Line	16-04- 2025 11:25	DP, ZI, R-E, FD: 1.050 kms; AR Not Operated	AR Operated Successfull y	Kopili (NEEPCO)	No issues found. To be relooked in next event.
18	400 kV Misa - Silchar 2 Line	16-04- 2025 11:55	DP, ZI, R-E, FD: 78Kms; AR Not Operated	DP, ZI, Y-E, FD: 157.682K ms; AR Operated Successful ly	Misa (POWERG RID)	Issue resolved
19	132 kV AGTCCPP - Kumarghat Line	21-04- 2025 05:51	DP, ZI, B-E, FD: 22.69kms; AR Not Operated	DP, ZI, B-E, FD: 77.191km s; AR Operated Successfull y	AGTCCPP (NEEPCO)	Same as point no.8
20	132 kV Gohpur- Itanagar Line	28-04- 2025 10:15	DP, ZII, B-N, 40.3 Km, AR not operated	DP, ZI, B- N, 0.89 Km, AR successful	Gohpur (AEGCL)	Carrier healthy signal wire loose. Applied for Shutdown to rectify the issue.

Sub-committee noted as above

C.3 Grid Disturbance in Dharmanagar area of Tripura Power system on 28-04-2025:

Dharmanagar area of Tripura power system was connected to rest of NER grid through 13 2kV Dharmanagar –Dullavcherra and 132 kV P K Bari – Dharmanagar lines.

At 09:07 Hrs of 28-04-2025, 132 kV Dharmanagar –Dullavcherra line and 132 kV P K Bari –Dharmanagar line tripped resulting in grid disturbance in Dharmanagar S/S. Load loss of 9 MW occurred.



As per DR analysis, solid B-N fault (Ib-2.37 kA, In-2.33 kA) in 132 kV PK Bari-Dharmanagar Line initiated at 09:03:35.099 Hrs which was cleared within 409 msec from PK Bari end on operation of DP, ZII.

For 132 kV Dharmanagar-Dullavchhera Line, fault cleared from Dullavchhera end within 420 msec on operation of ZII. Z4 started at 09:05:46.628 Hrs. Fault current disappears after 420 msec.

Following observations:

- Suspected fault in 132 kV PK Bari-Dharmanagar line as fault distance is 33.72 Km from PK Bari end. Also, Z4 started at Dharmanagar end for 132 kV Dullavchhera line indicating fault in reverse direction.
- Protection system at Dharmanagar end for 132 kV PK Bari Line failed to isolate the fault in line resulting in clearance of fault by tripping of healthy 132 kV Dharmanagar-Dullavchhera Line from Dullavchhera end on ZII.
- DR time drift of 4 min observed at PK Bari end for 132 kV Dharmanagar Line.
- Non-submission of flash report and detailed report by TSECL which is a violation of Clause 37.2 (b) & 37.2 (e) of IEGC regulation 2023.

Similar incident occurred on 10.03.2024, 16.03.2024 and 22.04.2024.

TSECL to share the root cause and provide update on the above mentioned issues.

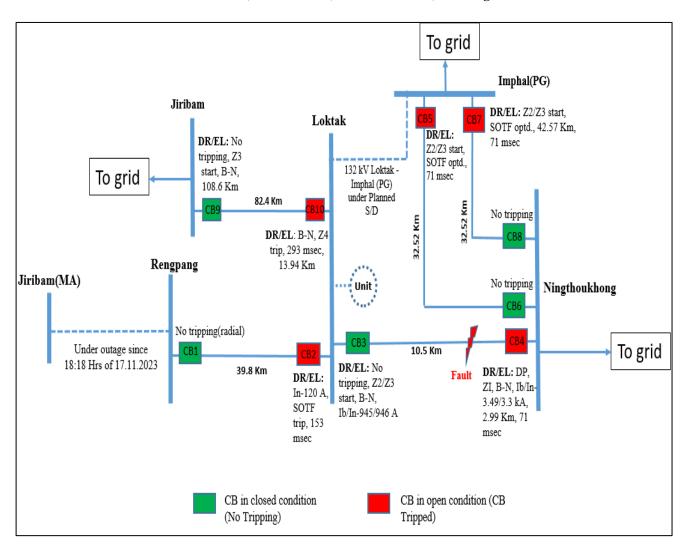
Deliberation

Regarding failure of Dhrmanagar to clear the fault, TSECL informed that there was settings issue, which has been rectified now.

C.4 Grid Disturbance in Loktak HEP of NHPC & Rengpang area of Manipur Power system on 24-03-2025

Loktak HEP of NHPC and Rengpang area of Manipur power system were connected with rest of NER grid through 132 kV Loktak-Jiribam, 132 kV Loktak-Imphal(PG), 132 kV Loktak-Ningthoukhong and 132 kV Loktak-Rengpang lines. Prior to the event, 132 kV Loktak-Imphal(PG) line was under planned shutdown and all units of Loktak were withdrawn as per schedule. Also, 132 kV Jiribam(MA)-Rengpang line was under outage since 17-11-2023.

At 11:38 Hrs of 24.03.2025, 132 kV Loktak-Jiribam, 132 kV Loktak-Ningthoukhong and 132 kV Loktak-Rengpang lines tripped resulting in blackout of Loktak HEP & Rengpang. Load loss of 1 MW occurred.



As per DR analysis, resistive B-N fault (Ib-3.49 kA, In-3.3 kA) in 132 kV Loktak-Ningthoukhong line at a distance of 2.99 Km initiated at 11:38:07.129 Hrs which was cleared within 71 msec from Ningthoukhong end on operation of DP, ZI. ZII started at Loktak end (no tripping) and fault current disappeared within 293 msec. 132 kV Loktak-Jiribam line tripped from Loktak end on Z4 within 293 msec (FD: 13.94 Km). Z3 start from Jiribam end and no tripping.

132 kV Imphal(PG)-Ningthoukhong II & III lines tripped on SOTF within 71 msec (Z2/Z3 started and FD: 42.57 Km).

Suspected fault is in 132 kV Loktak-Ningthoukhong line. Tripping of 132 kV Loktak-Jiribam line at Loktak end prior to CB opening at Loktak for 132 kV Ningthoukhong line led to blackout in Loktak HEP and Rengpang S/S.

Following observations:

 Tripping of 132 kV Loktak-Jiribam line on Z4 from Loktak within 293 msec seems misoperation. Z4 time delay setting needs to be reviewed and set as per NER protection philosophy.

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- Tripping of 132 kV Imphal (PG)-Ninghtoukhong II & III lines on SOTF operated from Imphal (PG) for fault beyond the line is inferred unwanted.
- 132 kV Loktak-Rengpang line tripped on SOTF within 153 msec. The same needs to be checked by NHPC.
- Time drift of 7 min observed at Ningthoukhong end for 132 kV Loktak-Ningthoukhong line which need to be sync with GPS.
- Non-submission of flash report and detailed report by NHPC & MSPCL which is a violation of Clause 37.2 (b) & 37.2 (e) of IEGC regulation 2023.

Deliberation of the 78th PCC

PowerGrid informed, regarding tripping of Imhpal-Ningthounkong lines on SOTF, that there was some configuration issue and same has been rectified.

NHPC informed that there is no LBB protection at Loktak S/S and Z4 time delay was kept at 200-250 msec at Loktak for 132 kV Jiribam Line.

Forum directed NHPC to -

- 1. Implement PLCC and Line differential protection on the Loktak Ningthounkong (10.5 Km) line
- 2. Review and rectify the Z4 timing and reach at Loktak end for the Jiribam line
- 3. Rectify the SOTF issue at Loktak end for Rengpang line.

Submit detailed report of the grid event at Loktak

In 79th PCCM, NHPC updated as follow -

- Implement PLCC and Line differential protection on the Loktak Ningthounkong (10.5 Km) line – Going to purchase PLCC or may be DTPC. LDR matter has been escalated to higher authority.
- 2. Review and rectify the Z4 timing and reach at Loktak end for the Jiribam line to be done within a week
- 3. Rectify the SOTF issue at Loktak end for Rengpang line. to be done within a week

Deliberation

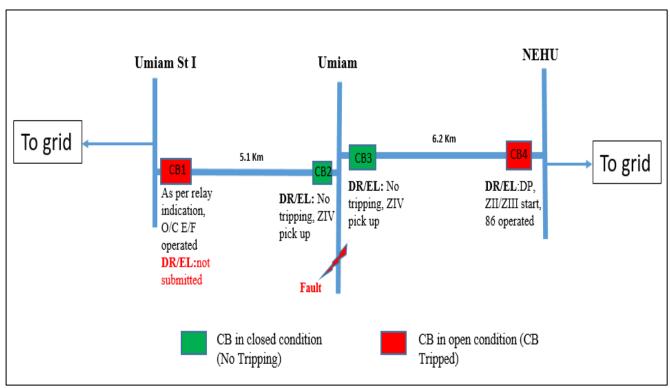
Update has been tabulated below -

S.N	Issue	Update

1.	Implementation of LDP on the	MSPCL is the owner of the line, so
	Loktak-Ningthounkong line	MSPCL have to install the LDP. Forum
		advised Manipur to include the same in
		their DPR on LDP
2.	Reviewing the z4 timing and	To be done
	reach at Loktak end	
3.	Rectifying the SOTF issue	Will apply for shutdown

C.5 Grid disturbance in 132 kV Umiam S/S of Meghalaya Power system on 01-04-2025:

At 01:55 Hrs of 01-04-2025, 132 kV Umiam-Umiam Stg I and 132 kV NEHU-Umiam Lines tripped resulting in blackout of 132 kV Umiam S/S of Meghalaya Power system.



As per DR analysis, R-N fault (Ir-3.1 kA, In-2.9 kA) initiated at 01:55:31.117 Hrs which was cleared within 121 msec from NEHU end. ZII/ZIII start and 86 operated at 01:55:31.202 Hrs. Z4 pickup at Umiam end (no tripping).

For 132 kV Umiam St I-Umiam line, Z4 started at Umiam end and fault current disappears after 255 msec. FIR/DR/EL of Umiam Stg I end not submitted by MePGCL.

Z4 pickup at Umiam end for tripping of 132 kV NEHU-Umiam and 132 kV Umiam-Umiam St I line indicates that fault is in 132 kV Umiam Switchyard.

As per FIR, R-phase CT blast at 132 kV Umiam S/S.

Following observations:

- It is not clear which protection system operated at NEHU end for 132 kV Umiam line and cleared the fault.
- FIR/DR/EL at Umiam St I end for 132 kV Umiam St I-Umiam Line not submitted by MePGCL which is a violation of Clause 37.2 (c) of IEGC-23.
- Time drift of 1 Hour observed at Umiam end for 132 kV Umiam St I Line.
- Flash report and detailed report not submitted by MePTCL Clause 37.2 (b) & 37.2 (e) of IEGC regulation 2023.

Deliberation of the 78th PCC

MePGCL updated that fault occurred at Umiam substations due to blasting of R-phase CT blast at 132 kV Umiam S/S for 132 kV Umiam – NEHU line. The same line tripped on LDP protection at NEHU end & CB opening delayed at Umiam end. However, 132 kV Umiam St-I – Umiam Line tripped early from Umiam Stg-I.

MePTCL informed that unwanted tripped occurred at Umiam St I due to OC Highset enabled resulted into early clearance from Umaim St I.

Further, he informed that there is no distance protection at the Umiam stg I end for the Umiam line and also there are no LDP for the lines due to non-availability of the OPGW links.

Forum suggested MePGCL that High set to be disabled at Umiam St I.

Forum requested MePGCL to install the Distance protection at Umiam stg I at the earliest and install OPGW on the lines and enable the LDP.

In 79th PCCM, MePGCL updated as follow -

- 1. Distance protection on the line- to be enabled by June'25.
- 2. OPGW on the line DPR sent to PSDF last year, under discussion in TESG. TESG raised some query which is being replied to.
- 3. MePGCL informed that High set will be disabled at Umiam St I by June'25.

Deliberation

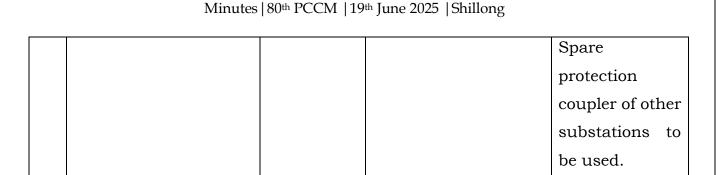
MePGCL updated as below -

S.N	Issue	Update
1.	Distance protection on the line	done
2.	OPGW and LDP on the line	Under discussion in TESG
3.		done
	Umiam I	

C.6 Status on resolution of protection issues as discussed in $79^{\rm th}$ and $78^{\rm th}$ PCCM

SN	Protection issues to	Concerned	Previous status	Latest status
	be resolved as	Utility		(80th PCCM)
	decided in previous			
	PCC metings			
1.	LDP on Rokhia-	TSECL	RoW issue resolved.	Commissioning
	N.Rokhia link		Work to be completed	team will come
			by next PCC	on 27 th June'25
2.	BB protection stability	NEEPCO	Hitachi provided the	July'25
	test at Doyang		offer, but there is	
			issue with terms of	
			payment, will be	
			resolved by end of	
			May'25	
3.	Modification of SPS	MePTCL	Matter has been	Configuration
	Scheme related to the		taken up with	done, cable
	outage of 132 kV		NERPSIP. Also,	termination
	Leshka –Khliehriat		Protection coupler is	done, SPS
	D/C after LILO at 132		not present there, in	implementation
	kV Mynkre S/S		talk with ABB	and testing to
				be done after
				high hydro
				season

4. Grid Disturbance in	MIzoram	Mizoram to conduct	Relay testing to
Tuirial S/S of		relay testing for	be done as
NEEPCO & Kolasib		checking the	weather
and Bairabi areas of		healthiness for 132	improves and
Mizoram Power		kV Kolasib – Tuirial	settings
System on 20-03-		and 132 kV Kolasib –	coordination
2025:		Bairabi line.	will be done
Protection system of			before next
132 kV Kolasib-Turial			PCC.
line failed to isolate the			
fault. P&ED Mizoram			
needs to ensure			
healthiness of			
protection system of			
132 kV Kolasib-Tuirial			
line.			
5. Grid Disturbance in	MePTCL	NERLDC highlighted	Protection
		TIBITED O INSTITUTO	11000001
Mawlyndep area of		in 78th PCCM that	
Mawlyndep area of Meghalaya Power			coupler at
		in 78th PCCM that	coupler at Mustem is
Meghalaya Power		in 78th PCCM that there was no carrier aided tripping at	coupler at Mustem is
Meghalaya Power system on 23-03-		in 78th PCCM that there was no carrier aided tripping at	coupler at Mustem is defective due to which carrier
Meghalaya Power system on 23-03-2025:		in 78th PCCM that there was no carrier aided tripping at Mustem despite	coupler at Mustem is defective due to which carrier aided tripping
Meghalaya Power system on 23-03-2025: "Carrier send" signal		in 78th PCCM that there was no carrier aided tripping at Mustem despite carrier received from	coupler at Mustem is defective due to which carrier aided tripping did not occur at
Meghalaya Power system on 23-03-2025: "Carrier send" signal high at Mawlyndep		in 78th PCCM that there was no carrier aided tripping at Mustem despite carrier received from Mawlyndep end.	coupler at Mustem is defective due to which carrier aided tripping did not occur at Mustem. that
Meghalaya Power system on 23-03-2025: "Carrier send" signal high at Mawlyndep end. However, 132 kV		in 78th PCCM that there was no carrier aided tripping at Mustem despite carrier received from Mawlyndep end. Forum directed MePTCL to look into	coupler at Mustem is defective due to which carrier aided tripping did not occur at Mustem. that
Meghalaya Power system on 23-03-2025: "Carrier send" signal high at Mawlyndep end. However, 132 kV Mustem-Mawlyndep		in 78th PCCM that there was no carrier aided tripping at Mustem despite carrier received from Mawlyndep end. Forum directed MePTCL to look into	coupler at Mustem is defective due to which carrier aided tripping did not occur at Mustem. that communication team is trying
Meghalaya Power system on 23-03- 2025: "Carrier send" signal high at Mawlyndep end. However, 132 kV Mustem-Mawlyndep line tripped after ZII		in 78th PCCM that there was no carrier aided tripping at Mustem despite carrier received from Mawlyndep end. Forum directed MePTCL to look into and resolve the	coupler at Mustem is defective due to which carrier aided tripping did not occur at Mustem. that communication team is trying
Meghalaya Power system on 23-03- 2025: "Carrier send" signal high at Mawlyndep end. However, 132 kV Mustem-Mawlyndep line tripped after ZII time delay. The same		in 78th PCCM that there was no carrier aided tripping at Mustem despite carrier received from Mawlyndep end. Forum directed MePTCL to look into and resolve the matter at the earliest	coupler at Mustem is defective due to which carrier aided tripping did not occur at Mustem. that communication team is trying to replace the
Meghalaya Power system on 23-03-2025: "Carrier send" signal high at Mawlyndep end. However, 132 kV Mustem-Mawlyndep line tripped after ZII time delay. The same needs to be checked by		in 78th PCCM that there was no carrier aided tripping at Mustem despite carrier received from Mawlyndep end. Forum directed MePTCL to look into and resolve the matter at the earliest	coupler at Mustem is defective due to which carrier aided tripping did not occur at Mustem. that communication team is trying to replace the defective
Meghalaya Power system on 23-03-2025: "Carrier send" signal high at Mawlyndep end. However, 132 kV Mustem-Mawlyndep line tripped after ZII time delay. The same needs to be checked by		in 78th PCCM that there was no carrier aided tripping at Mustem despite carrier received from Mawlyndep end. Forum directed MePTCL to look into and resolve the matter at the earliest	coupler at Mustem is defective due to which carrier aided tripping did not occur at Mustem. that communication team is trying to replace the defective coupler.



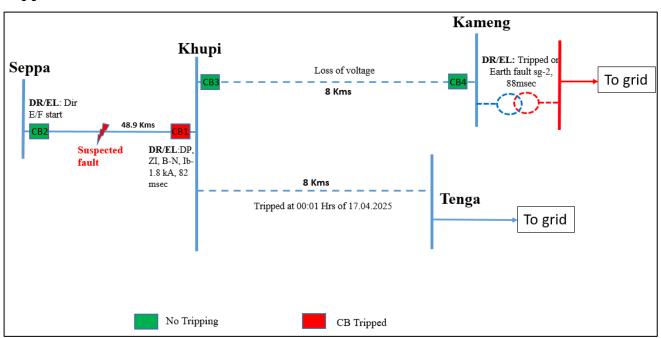
Utilities may further update

C.7 Frequent tripping of 400/132 kV Kameng ICT and Grid disturbances in Tenga, Khupi and Seppa areas of Arunachal Pradesh during April, 2025:

400/132 kV Kameng ICT tripped twice during Apr'2025 causing grid disturbance in Tenga, Khupi & Seppa areas of Arunachal Pradesh which is a matter of serious concern.

Event 1: At 13:58 Hrs of 17th April'25

Prior to the event, 132 kV Tenga-Khupi Line tripped at 00:01 Hrs of 17-04-2025. At 13:58 Hrs of 17.04.2025, 400/132 kV ICT at Kameng and 132 kV Khupi-Seppa line tripped resulting in grid disturbance in 132 kV Kameng S/S of NEEPCO, Khupi and Seppa areas of Arunachal Pradesh. Load loss of 1 MW occurred.



As per DR analysis, B-N fault with Ib-1.8 kA initiated at 14:01:22.820 Hrs which was cleared within 82 msec from Khupi end on operation of DP, ZI. Directional E/F started at 13:58:54.479 Hrs and no tripping from Seppa end.

As intimated by DoP Arunachal Pradesh, vegetation B-N fault in 132 kV Khupi-Seppa Line at a distance of 28.3 Km from Khupi end.

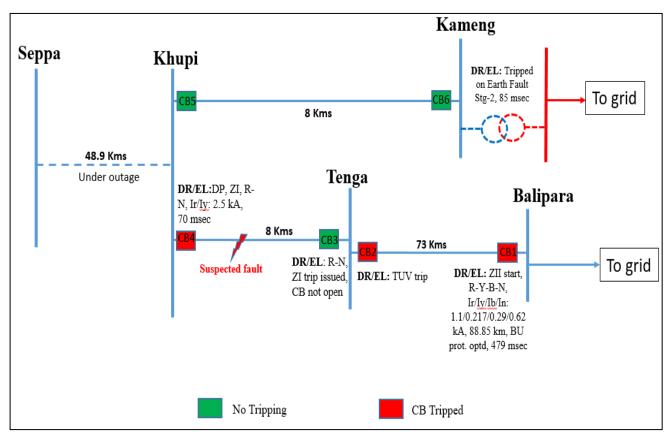
At 13:58:52.814 Hrs, Kameng ICT tripped on E/F Stg-II within 88 msec which seems to be unwanted.

Following observations:

- Instantaneous tripping of Kameng ICT on E/F Stg-II during fault in downstream lines is unwanted. Maloperation of the ICT HV side protection is likely due to very low current pick up settings for High set B/U E/F protection. High set Backup E/F setting needs to be reviewed and coordinated to prevent unwanted tripping for the fault beyond protected zone.
- DR analog and digital channel of Kameng ICT & 132 kV Khupi-Seppa Line needs to be standardized as per recommendations in FOLD working group.
- Non-submission of flash report and detailed report by DoP Arunachal Pradesh & NEEPCO which is a violation of Clause 37.2 (b) & 37.2 (e) of IEGC regulation 2023.

Event 2: At 18:15 Hrs of 24th April'25

Prior to the event, 132 kV Khupi-Seppa line was under outage. At 18:15 Hrs of 24.04.2025, 400/132 kV ICT at Kameng, 132 kV Balipara-Tenga line and 132 kV Tenga-Khupi line tripped resulting in grid disturbance in 132 kV Kameng S/S of NEEPCO and Tenga, Khupi and Dikshi areas of Arunachal Pradesh. Load loss of 13 MW occurred.



As per DR analysis, R-N fault (Ir-2.5 kA, In-2.5 kA) initiated at 18:15:35.763 Hrs in 132 kV Tenga-Khupi Line which was cleared within 70 msec from Khupi end on operation of DP, ZI. From Tenga end, DEF start & ZI trip command issued. However, Tenga CB did not open.

Due to non-opening of CB at Tenga, fault was continuously feeding through 132 kV Balipara-Tenga line which was cleared by tripping of Balipara CB within 479 msec on operation of BU E/F O/C (Z2 started).

At 18:15:49.699 Hrs, Kameng ICT tripped on E/F Stg-II within 85 msec which seems to be unwanted.

Following observations:

- Non-opening of CB at Tenga end for 132 kV Khupi Line despite issuance of ZI
 trip is a matter of concern. The same needs to be checked by DoP Arunachal
 Pradesh.
- Instantaneous tripping of Kameng ICT on E/F Stg-II during fault in downstream lines is unwanted. Maloperation of the ICT HV side protection is likely due to very low current pick up settings for High set B/U E/F protection. High set Backup E/F setting needs to be reviewed and coordinated to prevent unwanted tripping for the fault beyond protected zone.

- DR analog and digital channel of Kameng ICT needs to be standardized as per recommendations in FOLD working group.
- The back-up protection settings at Kameng, Khupi and Tenga needs to be reviewed and coordinated as per NER protection philosophy.
- Non-submission of flash report and detailed report by DoP Arunachal Pradesh
 & NEEPCO which is a violation of Clause 37.2 (b) & 37.2 (e) of IEGC regulation
 2023.

Frequent tripping of 400/132 kV Kameng ICT was intimated to NEEPCO vide email dated 28th April'25.

Similar incident occurred on 05.05.2024, 09.07.2024, 11.07.2024, 19.07.2024, 12.08.2024 & 18.08.2024.

As per 79th PCC minutes,

Regarding non-opening of CB at Tenga end for 132 kV Khupi Line despite issuance of ZI trip, DoP AR. Pradesh informed that 33 kV line fell on DC supply due to which trip coil at Tenga end got burnt. Issue has been resolved now. Regarding instantaneous tripping of Kameng ICT on EF, MS NERPC instructed that the settings to be reviewed in a joint meeting between NERPC, NERLDC, DoP AR. Pradsh, NEEPCO and Powergrid.

Deliberation

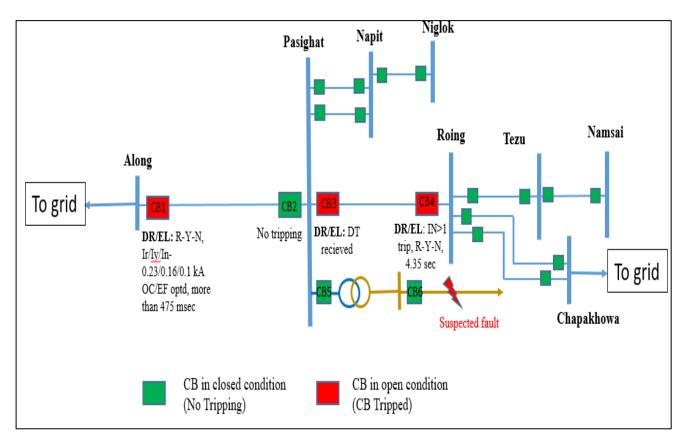
NERPC informed that the settings were reviewed in joint meetign held among NERPC, NERLDC, DoP AR. Pradsh, NEEPCO and Powergrid on 17.06.2025 and NEEPCO were instructed to impemt the following points –

- i. to use bay CT with CTR:500/1 for measuring the neutral current.
- ii. to revise the High set E/F relay pickup setting to 4618.8 A at 132 kV side of ICT with fault clearing time of 50msec.

NEEPCO updated that both the actions have been taken.

C.8 Grid Disturbance in Pasighat and radially connected Napit & Niglok areas of Arunachal Pradesh on 22-04-2025:

At 00:37 Hrs of 22-04-2025, 132 kV Along-Pasighat & 132 kV Roing - Pasighat lines tripped resulting in grid disturbance in Pasighat and radially connected Napit & Niglok areas of Arunachal Pradesh. Load loss of 22 MW occurred.



As per DR analysis, R-Y-N fault with Ir-237 A, Iy-167 A, In-107 A observed which was cleared in more than 475 msec from Along end on operation of OC/EF protection. No tripping from Pasighat end as per submitted DR. Fault duration recorded at Pasighat EL - 3.726 sec.

For 132 kV Roing-Pasighat Line, R-Y-N fault initiated at 00:37:16.786 Hrs and cleared within 4.35 sec on operation of E/F from Roing end and DT recieved at Pasighat end.

Following observations:

- Protection system of downstream feeder and HV side of transformer failed to isolate the fault resulting in clearing of fault by tripping of healthy 132 kV Along-Pasighat and 132 kV Roing-Pasighat Lines.
- For DR submitted for 132 kV Along-Pasighat & 132 kV Roing-Pasighat lines, pre-fault data is not visible which is the cause of concern. As per DR Standardisation report of FOLD Working Group 3, pre-fault data of 500 msec and post fault data of 2500 msec should be visible in the DR window.
- DR Time drift of 2 min observed at Pasighat for 132 kV Along Line and 13 min for 132 kV Roing Line.

• Non-submission of detailed report by DoP Arunachal Pradesh which is a violation of Clause 37.2 (e) of IEGC regulation 2023.

Similar kind of event occurred at 16:01 Hrs of 03-05-2025 in which tripping of 132 kV Along-Pasighat & 132 kV Roing - Pasighat lines led to loss of power in Pasighat, Napit & Niglok areas of Arunachal Pradesh. Such repeated grid disturbances are the cause of concern.

During 2024, similar incident occurred on 24.09.2024, 25.09.2024, 16.11.2024 and 08.12.2024.

As per 79th PCC minutes,

DoP Ar. Pradesh apprised that the fault was in downstream 33kV line and HV side of ICT at Pasighat which was not cleared by HV side Transformer due to faulty trip coil. The same has been replaced. Other 132/33 kV Transformer trip coil is faulty. The same will be kept isolated till the issue is rectified. NERLDC informed that such incident reoccurred on 3rd May'25. Forum opined that the downstream fault should have been cleared by 33 kV feeder itself or the HV side of the ICT and exhorted DoP Ar. Pradesh to resolve the issues at the earliest.

Deliberation

DoP AR. Pradesh informed that 33kV Vacuum CB of the downstream line will be replaced shortly. Forum also instructed to check the protection settings of the downstream line and the 132/33kV ICT.

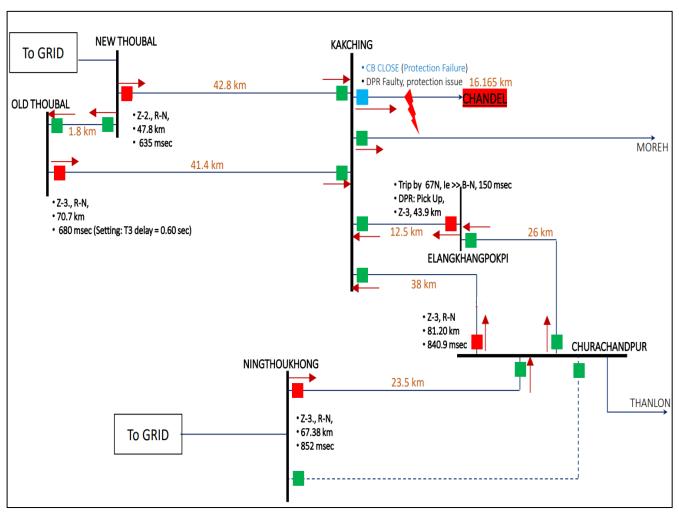
ED, NERLDC raised the concern that the protection protocol for 33kV feeders is not covered under NER protection protocol and therefore the settings of 33kV feeders are not standardized. Forum noted that protection protocol for 33kV feeders may be included in NER protection protocol. Assam informed that they follow a standard settings protocol for distribution feeders. Forum requested Assam to share the same with NERPC and NERLDC.

C.9 Grid disturbance in Churachandpur, Elangkankpokpi, Thanlon, Kakching, Chandel and Morey areas of Manipur and Tamu area Myanmar Power system on 28-04-2025:

Churachandpur, Elangkankpokpi, Thanlon, Kakching, Chandel and Morey areas of Manipur and Tamu area Myanmar Power system were connected to rest of NER grid through 132 kV Ningthoukhong-Churachandpur II, 132 kV Old Thoubal-Kakching

& 132 kV New Thoubal-Kakching Lines. Prior to the event, 132 kV Ningthoukhong-Churachandpur I line is under outage since13:48 Hrs of 04.08.2024.

At 13:43 Hrs of 28-04-2025, 132 kV Ningthoukhong-Churachandpur II, 132 kV Old Thoubal-Kakching, 132 kV New Thoubal-Kakching & 132 kV Churachandpur-Kakching Lines tripped. Load loss of 30 MW occurred.



As per DR analysis of 132 kV Ningthoukhong-Churachandpur II Line, R-N fault (Ir-1.26 kA, In-1 kA) initiated at 13:42:32.292 Hrs which was cleared within 852 msec from Ningthoukhong end on operation of DP, ZIII.

At 13:42:20.911 Hrs, 132 kV Old Thoubal-Kakching Line tripped from Old Thoubal end (as per EL, DR file not opening)

Suspected fault is beyond Churachandpur and Kakching Substations as fault distance of 67.38 Km from Ningthoukhong end.

Following observations:

• Exact location of fault could not be concluded as DR/EL not submitted by MSPCL.

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- It is unclear which protection system operated and cleared the fault from Old Thoubal end for 132 kV Kakching Line.
- SOE not recorded for tripping of 132 kV Churachandpur-Kakching Line & 132 kV Old Thoubal-Kakching Line. The same needs attention from MSPCL/SLDC Manipur team.
- Non-submission of flash report and detailed report by MSPCL which is a violation of Clause 37.2 (b) & 37.2 (e) of IEGC regulation 2023.

Similar incident ocurred on 05.07.2024.

As per 79th PCC minutes,

S1.	Observations	Remarks
No.		
1	Exact location of fault could not be	Vegetation fault was in 132
	concluded.	kV Kakching-Chandel Line
2	Protection system of 132 kV Kakching-	Protection Circuit checked
	Chandel line failed to isolate the fault.	and distance relay replaced,
		settings and PSL tested.
3	132 kV New Thoubal-Kakching line	Settings reviewed, will be
	tripped on ZII from New Thoubal end	updated once approved.
	within 635 msec. ZII time delay needs to	
	be revised as per protection philosophy.	
4	132 kV Old Thoubal-Kakching Line on	Settings reviewed, will be
	ZIII from Old Thoubal end within 680	updated once approved.
	msec. ZIII time delay needs to revised as	
	per protection philosophy.	
5	132 kV Elangkankpokpi-Kakching line	Settings reviewed, settings
	tripped on E/F from Elangkaknkpokpi	changed as per standard
	end within 150 msec. B/U E/F protection	template, testing yet to be
	needs to be coordinated with ZIII time	done.
	delay as per protection philosophy.	
	Phase sequence issue observed	

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6	132 kV Churachandpur-Kakching line	Setting review yet to be done
	tripped on ZIII from Churachandpur end	
	within 841 msec which is inferred	
	unwanted. ZIII reach needs to be reviewed	
	and set as per protection philosophy.	
7	132 kV Ningthoukhong-Churachandpur II	Forum urged MSPCL to
	line tripped on ZIII from Ningthoukhong	review the ZIII reach at
	end within 852 msec	Ningthoukhong end.
8	DR/EL not submitted for tripping of 132	Forum asked MSPCL to
	kV New Thoubal-Kakching, 132 kV Old	submit all the DR/EL files
	Thoubal-Kakching, 132 kV	
	Churachandpur-Elangkankpokpi & 132	
	kV Elangkankpokpi-Kakching Lines	

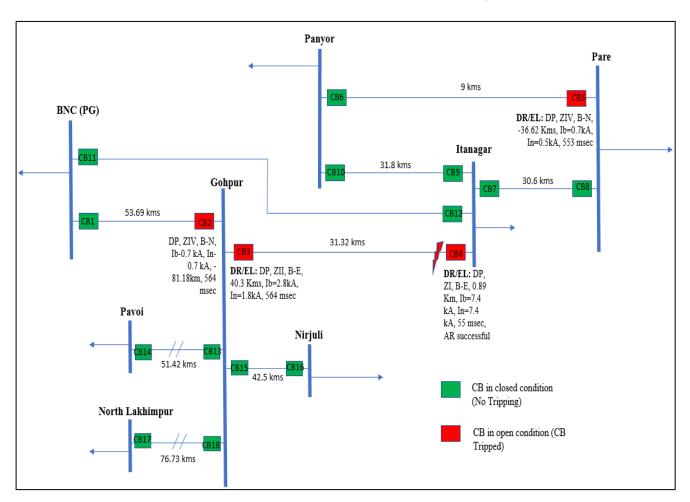
NERPC highlighted that ZIII should not have operated at Ningthounkong end for Churanchandpur line and instructed Mizoram to check the reach of ZIII and limit it to the 100% of Main line + 100% of the longest line at remote end.

Deliberation

MSPCL stated that the update on all the points will be provided within this month. MS NERPC instructed to discuss the agenda in next PCC meeting.

C.10 Multiple tripping on 28-04-2025:

At 10:15 Hrs of 28-04-2025, 132 kV Gohpur-Itanagar, 132 kV Panyor-Pare & 132 kV BNC-Gohpur Lines tripped.



As per DR analysis, B-N fault (Ib-7.4 kA, In-7.4 kA) in 132 kV Gohpur-Itanagar Line initiated at 10:15:15.920 Hrs which was cleared within 55 msec from Itanagar end on operation of DP, ZI (Carrier Send). B-N fault converted into R-Y-N fault (Ir-0.36 kA, Iy-0.56 kA, In-0.9 kA). Fault was cleared within 564 msec from Gohpur end on DP, ZII. Autorecloser operated successfully from Itanagar end.

132 kV BNC (PG)-Gohpur Line tripped on Z4 within 564 msec from Gohpur end. There was no tripping from BNC (PG) end.

At 10:15:24.880 Hrs, 132 kV Panyor-Pare Line tripped on Z4 within 553 msec from Pare end. There was no tripping from Panyor end.

Following observations:

- Carrier was send from Itanagar end to Gohpur end. However, 132 kV Gohpur-Itanagar Line tripped after ZII time delay. AEGCL needs to check the carrier aided tripping scheme at Gohpur.
- AR operated successfully from Itanagar end for 132 kV Gohpur Line.
 However, AR not attempted at Gohpur end.
- ZII time delay at Gohpur end for 132 kV Itanagar Line needs to be reviewed and set as per NERPC Protection philosophy.

• Tripping of 132 kV Panyor-Pare Line on Z4 from Pare end for fault in 132 kV Gohpur-Itanagar Line seems unwanted. Z4 reach needs to be reviewed.

Similar event occurred on 16.05.2024.

As per 79th PCC minutes,

Regarding tripping of 132 kV Gohpur-Itanagar line at Gohpur end on ZII, forum noted that ZII should have operated in 350 msec and carrier aided tripping should have occurred. AEGCL informed that, regarding carrier aided protection, testing for carrier will be conducted during May'25 and the time delay setting will be revised shortly. Regarding tripping of 132 kV Gohpur-BNC line at Gohpur on ZIV, Forum requested AEGCL to revise the reach of ZIV as it should not be more than 50% of the shortest line as per NERPC protection protocol. Regarding tripping at Pare end, NEEPCO acknowledged that there is reach issue of ZIV and stated that the same will be revised shortly. Forum, in general noted that protection settings of NEEPCO stations are deviating from NERPC protection protocol and instructed NEEPCO to modify the settings at all of their stations as per the protocol.

Deliberation

AEGCL informed that the ZII timing has been revised. Regarding carrier aided tripping, AEGCL informed that shutdown has been applied and the issue will be checked during the shutdown.

Forum asked AEGCL to implement the ZIV philosophy as per the NERPC protection protocol.

NEEPCO informed that the ZIV settings will be revised shortly.

C.11 Frequent tripping of 132 kV Agartala-Rokhia D/C lines during April, 2025:

132 kV Agartala - Rokhia D/C Lines have tripped eight (8) times in the month of April 2025 which is a matter of serious concern. As per DR analysis, all the faults are solid in nature.

The details of tripping are tabulated as below:

Sl. No.	Element Name	Owner	Tripping Date and Time	DR analysis (End A)	DR analysis (End B)
1	132 kV Agartala - Rokhia 2 Line	TSECL	10-04-2025 20:10	DP, ZI, B-N, Ib-3.3 kA, In-2.6 kA, 61 msec	DP, ZI, R-N, Ir-3.3 kA, In-3.9 kA, 61 msec
2	132 kV Agartala - Rokhia 2 Line	TSECL	11-04-2025 19:05	DP, ZI, B-N, Ib-3.3 kA, In-2.6 kA, 60 msec	DP, ZI, R-N, Ir-3.1 kA, In-3.9 kA, 61 msec
3	132 kV Agartala - Rokhia 2 Line	TSECL	13-04-2025 05:21	DP, ZI, B-N, Ib-3.8 kA, In-2.8 kA, 61 msec	DP, ZI, R-N, Ir-3.8 kA, In-3.8 kA, 60 msec
4	132 kV Agartala - Rokhia 2 Line	TSECL	15-04-2025 17:59	DP, ZI, B-N, Ib-3.8 kA, In-2.8 kA, 60 msec	DP, ZI, Y-N, Iy-3 kA, In-3.6 kA, 60 msec
5	132 kV Agartala - Rokhia 2 Line	TSECL	17-04-2025 08:44	DP, ZI, B-N, Ib-3.4 kA, In-2.7 kA, 59 msec	DP, ZI, R-N, Ib-3.5 kA, In-4.2 kA, 59 msec
6	132 kV Agartala - Rokhia 1 Line	TSECL	17-04-2025 12:47	DP, ZI, R-N, Ir-3 kA, In-2.5 kA, 72 msec	DP, ZI, Y-N, Iy-3.1 kA, In-3.5 kA, 60 msec
7	132 kV Agartala - Rokhia 1 Line	TSECL	28-04-2025 10:34	DP, ZI, Y-N, Iy-10 kA, In-9.9 kA, 72 msec	DP, ZI, R-N, Ir-1.8 kA, In-2.3 kA, 60 msec
8	132 kV Agartala - Rokhia 2 Line	TSECL	28-04-2025 10:35	DP, ZI, B-N, Ib-5.8 kA, In-5.2 kA, 70 msec	DP, ZI, R-N, Ir-1.9 kA, In-2.5 kA, 58 msec

Such repeated tripping is a cause of concern as it threatens the reliability of the Tripura Power System.

Therefore, TSECL is requested to carry out regular patrolling of these lines and carry out measurement of tower footing resistance of all towers to know whether the values are within permissible limit.

Also, phase sequence issue is observed in 132 kV Agartala - Rokhia D/C Lines which needs to be rectified by TSECL.

As per 79th PCC minutes,

The matter could not be discussed as Tripura was not present in the meeting. Forum suggested to carry out measurement of Tower footing resistance and ensure values are within permissible limit. TFR data to be submitted by Tripura within 15 days. Follow up to be done through mail. Forum also suggested for TLSA installation in lightning prone areas.

Deliberation

Tripura informed that most of the tripping occurred due to lightening faults. He added that TFR have been checked and it lies between 10-20ohm at all the locations. Further he stated that TLSAs have been proposed for installation and put up for state government's approval.

Forum advised that where ever TFR is more than 10ohms, do the counterpoise earthling, bentonite treatment etc. to reduce the TFR.

C.12 Mapping of UFR in the SCADA Display for real time monitoring:

As per Clause 29(13)(d) of IEGC-23, SLDC shall ensure that telemetered data of feeders (MW power flow in real time and circuit breaker status) on which UFR and df/dt relays are installed is available at its control centre.

At present, mapping of UFR in SCADA display is available for 4 states namely, Assam, Meghalaya, Nagaland & Tripura.

Arunachal Pradesh, Manipur & Mizoram are requested to map UFR data in SCADA display in compliance with IEGC-23.

As per 79th PCC minutes,

Arunachal Pradesh: To be discussed in OCC meeting. (Latest update not provided)

Manipur: Payment issues with GE. By June-July'25

Mizoram: GE & Alstom updated the database. However, hardware work is pending.

By June-July'25.

C.13 Status Update on Parameter standardization of Disturbance Recorder (DR):

The parameter standardization of Disturbance Recorder (DR) was approved during the 59th PCCM (B.30 Standardization of Disturbance Recorder (DR) Channels). Subsequently, it has been incorporated into the Protection Protocol of the North Eastern Region by NERPC (62nd PCCM 20th December 2023). As per the Uniform Protection Protocol, DR parameters are to be standardized in line with the recommendations of the FOLD working group-3.

NERLDC has prepared a google sheet with substation wise and feeder wise details of each state for maintaining a database of DR parameter standardization.

https://docs.google.com/spreadsheets/d/1ddce-tJov-

<u>G_EUCx_ansmfo1W3VN0F5yLec8SyT3l3U/edit?gid=1889122402#gid=1889122402</u>

Status as on 11.06.2025:

S1.	Name of Utilities	DR parameter	Domostra
No.	Name of Othlities	standardization	Remarks

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1	KMTL	Not updated	
2	NETC	No bay owned	
3	NEEPCO	Partially updated	
4	NHPC	Not updated	
5	NTPC	Standardized	
6	OTPC	Standardized	
7	POWERGRID	Standardized	
8	IndiGrid	Standardized	
9	NBTL	Standardized	
10	MUML	Standardized	
11	DoP Arunachal Pradesh	Not updated	
12	TSECL	Partially updated	
13	TPGCL	Not updated	
14	DoP Nagaland	Standardized	
15	MePTCL	Partially completed	
16	MePGCL	Standardized	
17	MSPCL	Yet to be standardized	
18	P&ED Mizoram	Standardized (limited to available facility)	
19	AEGCL	Standardized	

All utilities are requested to update status of DR standardization as per recommendation in FOLD working group-3.

Deliberation:

Forum urged all the utilities to update the google spreadsheet.

C.14 Relay Setting Database for 66 kV and Above Substations:

Maintaining a comprehensive relay setting database is essential for effective protection analysis and ensuring accurate coordination of the protection system. A well-maintained database benefits all stakeholders by enhancing the accuracy and reliability of these records. All utilities are requested to share the substation-wise

relay setting status on the PDMS portal of NERPC in comparison with the actual settings implemented at site.

NERLDC has prepared a google spreadsheet containing substations of each state.

https://docs.google.com/spreadsheets/d/1TcBdI5acaD_yXrGzXbM6VYRirhU3j2ut-8y1IChN1HwU/edit?gid=0#gid=0

Status as on 13.05.2025:

Sl. No.	Name of Utilities	Relay setting details	Remarks
1	KMTL	Updated	
2	NEEPCO	Updated except Doyang S/S & AGBPP	
3	NHPC	Not updated	
4	NTPC	Updated	
5	OTPC	Updated	
6	POWERGRID	Updated	
7	IndiGrid	Updated	
8	NBTL	Updated	
9	DoP Arunachal Pradesh	Not updated	
10	TSECL	Updated	
11	TPGCL	Not updated	
12	DoP Nagaland	Updated	
13	MePTCL	Updated	
14	MePGCL	Updated	
15	MSPCL	Partially updated	
16	P&ED Mizoram	Updated	
17	AEGCL	Partially updated	
18	APGCL	Not updated	

All utilities are requested to review and update relay settings in the google spreadsheet.

C.15 18. Insulator details pertaining to the important transmission lines of NER Power System:

Due to the upcoming monsoon season, it is of upmost importance to ensure healthiness of insulators pertaining to the important transmission lines of NER Power System.

In view of this, NERLDC has prepared a Google spreadsheet detailing the list of Important transmission lines in NER, tabulated by voltage level.

https://docs.google.com/spreadsheets/d/1e01XwENPs9axtT-XlNpEOTEjM6x9vwpq6-AoJBWH_E/edit?usp=sharing

All the utilities are requested to furnish the insulator type along with date of installation.

C.16 Mapping of SPS in the SCADA Display for real time monitoring of all SPS:

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.

S1.	Description	Analog	Digital Points	Protection
No.		Points		Signal
1	SPS Signal		DIGITAL STATUS:	
			Enable/Disable,	
			Operated/No Operated	
			(Condition/Logic Wise)	

Display of SPS SCADA Mapping

12JuJ-111-20	025 09:00:0	0 SPS	STATU	JS &	OPERATION
STATION	SPS	SPS ON/OFF	SPS OPTD.		
BGTPP_NTPC	BGTPP U-3	ON	NRML		
	SPS-2 Bangladesh	ON	NRML		
	SPS-4 Bangladesh	ON	NRML		
PALATANA_OTPC	SPS -2 HSR	OFF	NRML		
	SPS -3 HSR	OFF	NRML		
ZIRO_PG	ZIRO SPS	ON	NRML		
sarusajai_as	SARUSAJAI SPS	OFF	FNRML		
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	ON	NRML		
BONGA AS	SPS Stage -1	ON	NRML		
BONGA_RD	SPS Stage -2	ON	NRML		
MONARCHAK	MONARCHAK	ON	NRML		

S1. No.	SPS under operation	Long term measures	SPS mapping status in SCADA (YES/No) as per 79 th PCCM
1	SPS related to outage of 220 Misa-Samaguri DC: On tripping of 220 kV Misa- Samaguri DC: Load reduction of 50-60 MW at Samaguri area	Commissioning of 400 kV Sonapur Substation. LILO of 400 kV Bongaigaon- Byrnihat Line at Sonapur.	By June'25

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		Reconductoring of 220 kV	
		Balipara-Sonabil D/C	
	Related to outage of any one circuit	lines with higher	
2	of 220 kV Balipara - Sonabil D/C	ampacity and Utilisation	
		of 2 X 160 MVA ICTs at	By June'25
		Balipara	
			Done as
			per
			Meghalaya.
			Yet to be
			done as per
	Related to the outage of any one	Reconductoring of 132 KV	NERLDC.
3	circuit of the 132 KV Khliehriat	Khliehriat (PG)-Khliehriat	Meghalaya
	(PG)- Khliehriat D/C line	D/C line	to
			coordinate
			with
			NERLDC
			SCADA
			team
			Done as
			per
			Meghalaya.
			Yet to be
			done as per
	Related to outage of any one circuit	Reconductoring of 132 kV	NERLDC.
4	of 132 kV Leshka – Khliehriat D/C	Khliehriat – Leshka D/C	Meghalaya
			to
			coordinate
			with
			NERLDC
			SCADA
			team

		i) Commissiong of 132kV	
		Monarchak - SM Nagar	
		D/C ii)HTLS	As per
		Reconductoring of 132kV	NERLDC
	Related to 132kV SM Nagar(ISTS) -	SM Nagar(ISTS) - SM	SCADA
5	SM Nagar line to prevent	Nagar, 132kV SM	team, data
	Overloading	Nagar(ISTS) -	point yet to
		Budhjungnanagar, 132kV	be mapped
		PK Bari(ISTS) - Ambasa	first at
		and 132kV PK Bari(ISTS)	SLDC then
		- PK Bari	RLDC.

Utilities may further update

C.17 Installation of line differential protection for short lines:

As per sub-regulation3 of Regulation 48 of Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022-

"For short line (less than 10 km) or cable or combination of overhead line and cable, line differential protection shall be used with built-in backup distance protection." As per discussion in 61st PCC meeting the status for different STUs/ISTS licensees are as follows:

Status as updated in 80th PCCM -

Name of utility	Last updated status	Status as per
	(79th/78th /77th PCCM)	80th PCCM
AEGCL	AEGCL updated that PSDF	Under discussion in
	monitoring group has suspended	TESG, TESG asked for
	funding for LDP for 1 year. AEGCL	some inputs, replied on
	requested MS, NERPC to take up	26 th May'25 but no
	with NPC, CEA to provide funding	communication since
	for the same considering the	then.
	special case of NER.	

	MS, NERPC stated that funding		
	for the LDP considering the		
	special case of NER has been		
	taken up as resolution by RPC		
	forum		
MSPCL	DPR under preparation, to be	DPR to be revised. State	
	submitted within one month.	funding being explored.	
MePTCL	LDP operation for 9 feeders.	Discussed in last TESG	
	For Neighrims-NEHU line, waiting	meeting, some queries	
	for dark fiber.	raised, being replied to.	
	For other lines, OPGW not available commissioned after OPGW link is established. 7 Feeder operational for rest OPGW work is pending OPGW to be installed on 16 lines. LDP will be enabled after that.	For NEHU-NEighrims line, NERPSIP informed the forum that fiber for this line is not under the scope of NERPSIP. Therefore, forum suggested MePTCL to cover this in any other scheme.	
P&ED Mizoram	Lines identified 132kV Khamzawl	DPR prepared and	
	- Khawiva.	planning to do under	
	Mizoram stated that DPR in final	SASCI (Special Assistance	
	stage. Price offer has been	to States Capital	
	received from one vendor and	investment. Process	
	awaited form other vendors. The	underway	
	DPR would be prepared by end of		
	Sept.'24.		
TSECL	132kV 79 Tilla-	ADB proposal rejected, will	
	Budhjungnagar. DPR to be	try for PSDF funding.	
	prepared. Cost estimate		
	submitted to TIDC to arrange for		
	ADB funding.		
	TIDC approval is still waited for		
	fund.		

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Approved for ADB funding. E-tendering underway.

Regarding Rokhia-N.Rokhia link, he updated that the breaker has been received.

MS, NERPC suggested to apply under PSDF

Utilities may further update

Annexure-I List of Participants in the 80th PCC Meeting held on 19.06.2025

SN	Name & Designation	Organization	Contact No.
1	Sh. Tarik Mize,E.E (E)	Ar. Pradesh	09436059758
2	Sh. Abhishek Kalita, Dy.Mgr, AEGCL	Assam	08486213068
3	Sh. Ridip Dutta, AM, AEGCL,	Assam	08876640042
4	Sh. Shialloa G.Aimol, Mgr, MSPCL	Manipur	09863823912
5	Sh. Samuel Lalhriatzuala, SDO (Power Store)	Mizoram	08729982857
6	Sh.Lalramchhunga, AE, SLDC	Mizoram	09774251677
7	Sh. Lalsangliana, JE, SLDC	Mizoram	06009605706
8	Sh. A.Shullai,AEE,GSPSD, MePGCL	Meghalaya	07005379616
9	Sh. A.G.Tham, AEE, MRT, MePTCL	Meghalaya	09774664034
10	Sh. C.T.Sangtam, SDO (Trans.)	Nagaland	09862692378
11	Sh. Alex E.Ngullie, JE, SLDC	Nagaland	08837080321
12	Sh. Anil Debbarma, DGM, SLDC, TSECL	Tripura	09612559250
13	Sh. Krishnadhan Biswas, Sr.Mgr, TPTL	Tripura	09862478930
14	Sh. Tarak Lal Saha, Mgr, SLDC, TSECL	Tripura	09436925958
15	Sh. Amaresh Mallick, ED	NERLDC	09436302720
16	Sh. Neeraj Kumar, GM	NERLDC	09910907949
17	Sh. Subhra Ghosh, Asst.Mgr	NERLDC	08415857079
18	Sh. Manash Jyoti Baishya, Ch.Manager	PGCIL	09435555740
19	Smti. M.Talukdar, GM	NEEPCO	09435339690
20	Sh. Manas Pratim Sharma, Sr.Mgr	NEEPCO	08729901871
21	Sh. Soubhik Choudhury, Head-Operation	OTPC	08837008091
22	Sh. Sanjoy Das, Mgr (E), LOKTAK	NHPC	07044056097
23	Sh. G.Sonowal, DGM	NTPC	08269609797
24	Sh.Basab Maity, Engineer	PRDC	09732416233
25	Sh. K.B.Jagtap, Member Secretary	NERPC	-
26	Sh. Veerandranath Muncha, Director	NERPC	07358529099
27	Sh.Lenin B, Dy.Director	NERPC	08335905973
28	Smti Maya Kumari, Dy.Director	NERPC	09024334279
29	Sh. Vikash Shankar, Asst.Director	NERPC	09455331756