



सत्यमेव जयते



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति

Eastern Regional Power Committee

14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033
14 Golf Club Road, Tollygunj, Kolkata-700033

सं./NO. पू.क्षे.वि.स./PROTECTION/2025/ 316

दिनांक /DATE:15.05.2025

सेवा में / To,

संलग्न सूची के अनुसार / As per list enclosed.

विषय : पू.क्षे.वि.स. की 147 वीं संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना।

Sub: Notice for 147th Protection Coordination sub-Committee (PCC) meeting of ERPC.

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स. की 147 वीं पीसीसी बैठक, 28 मई 2025 (बुधवार) को 10:30 बजे पूर्वाह्न से एम एस टीम्स (ऑनलाइन) के द्वारा वर्चुअल माध्यम से आयोजित की जाएगी। मीटिंग लिंक ई-मेल या संदेश के माध्यम से अग्रेषित किया जाएगा।

Notice is hereby given that 147th PCC meeting of ERPC will be held on 28th May 2025 (Wednesday) from 10:30 Hrs (Forenoon) through MS Teams(online) in virtual mode. The meeting link will be forwarded through e-mail or message.

चर्चा हेतु अस्थायी कार्यसूची बिन्दुएं निम्नानुसार होंगे :

The tentative agenda items for discussion will be as follows:

- 1) Confirmation of the minutes of 146th Protection sub-Committee Meeting of ERPC
- 2) Analysis of following grid disturbances of April 2025:
 - Disturbance at 400 k V PVUNL S/s on 5th April 2025 at 14:45 Hrs and on 10th April 2025 at 15:45 Hrs
 - Disturbance at 220/132 k V Fatuha (BSPTCL) S/s on 9th April 2025 at 16:20 Hrs
 - Disturbance at 220 k V Hatia (JUSNL) S/s on 15th April 2025 at 18:36 Hrs
 - Disturbance at 220 k V Begusarai (BSPTCL) S/s on 20th April 2025 at 10:00 Hrs
 - Disturbance at 220 k V BTPS on 20th April 2025 at 12:43 Hrs
 - Disturbance at 220 k V Bodhgaya (BSPTCL) S/s on 21st April 2025 at 19:42 Hrs
 - Disturbance at 220 k V Chatra (JUSNL) S/s on 27th April 2025 at 19:08 Hrs
 - Disturbance at 400 k V Dikchu HEP on 30th April 2025 at 20:34 Hrs
- 3) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 4) Single line tripping incidences of transmission elements for April 2025 as attached at Annexure 1.

आपसे निवेदन है कि बैठक के दौरान अर्थपूर्ण विश्लेषण हेतु उपरोक्त ट्रिपिंग से संबंधित समस्त दस्तावेज (SLD, SOE, DR, Relay and schematic diagram of auxiliary supply, wherever applicable) सहित विस्तृत रिपोर्ट प्रस्तुत करें। आपसे अनुरोध किया जाता है कि संरक्षण डाटाबेस प्रबंधन प्रणाली में लागू ट्रिपिंग घटना सूचना प्रणाली का विवरण ऑन-लाइन में अपलोड करें www.erpc-protectiondb.in. You are requested to kindly furnish the detail report along with all records (SLD, SOE, DR, Relay and schematic diagram of auxiliary supply, wherever applicable) related to above tripping well in advance for meaningful analysis. You are also requested to upload the details in on-line tripping incident reporting system implemented in Protection Database Management System(www.erpc-protectiondb.in.)

बैठक में आपकी उपस्थिति महत्वपूर्ण है।

Your participation in the meeting is highly solicited.

भवदीय / Yours faithfully,

[Signature]
15.5.25
10N (आई. के. मेहरा/ I. K. Mehra)
अधीक्षक अभियंता (पी.एस)/ S E (PS)

14 गोल्फ क्लब रोड, टॉलीगंज, कोलकाता - 700 033 | 14 Golf Club Road, Tollygunge, Kolkata - 700 033.

Tele: 24239657, 24239651, 24239650. Fax: 24239652, 24239653. www.erpc.gov.in, Email: mserpc-power@nic.in

LIST OF ADDRESSES:

Chief Engineer, Trans (O&M) Bihar State Power Transmission Limited, Vidyut Bhawan, Bailey Road, Patna-800021	Chief Engineer (CRITL) Bihar State Power Transmission Limited, Vidyut Bhawan, Bailey, Road, Patna-800021
Chief Engineer(System Operation), SLDC , BSPTCL, Patna-800021	
Chief Engineer (SLDC) Damodar Valley Corporation, GOMD-I Premises, P.O.- DaneshSeikh Lane, Howrah- 711109	Chief Engineer (CTC) Damodar Valley Corporation, P.O. Maithon Dam, Dist. Dhanbad,Jharkhand-828207
Chief Engineer, (CRITL) Jharkhand Urja Sancharan Nigam Limited Kusai Colony, Doranda, Ranchi-834002	Chief Engineer (CLD) Jharkhand UrjaSancharan Nigam Limited, Kusai Colony,Doranda, Ranchi-834002
Chief General Manager (O&M), OPTCL, Janpath, Bhubaneswar, Odisha – 751 022. FAX: 0674-2542932 cgm.onm@optcl.co.in	Sr. General Manager (PPA), Technical Wing, OHPCL, Orissa State Police Housing & Welfare Corpn. Bldg. VaniviharChowk, Janpath, Bhubaneswar-752022
Chief Load Dispatcher, SLDC OPTCL, P.O. Mancheswar Rly. Colony Bhubaneswar-751017	Chief Engineer (Testing), WBSETCL Central Testing Laboratory, Abhikshan, Salt Lake, Kolkata-700091 (Fax no. 2367-3578/1235)
Chief Engineer (CLD) WBSETCL, P.O.Danesh Sheikh Lane, AndulRoad, Howrah-711109	Addl. Chief Engineer (ALDC) West Bengal Electricity Distribution Company Ltd VidyutBhavan, 7 th Floor, Bidhannagar, Sector-I Salt Lake City, Kolkata-700091(Fax-033-2334-5862)
Dy. Chief Engineer (Testing)/ Sr. Manager (Testing) CESC Ltd.,4, SasiSekhar Bose Road, Kolkata-700025	General Manager (O&M) KhSTPS, NTPC Ltd., P.O. Deepti Nagar, Dist. Bhagalpur, Bihar-813203
General Manager(O&M) FSTPS, NTPC Ltd., P.O. Nabarun, Dist. Murshidabad, West Bengal-742236	Dy. General Manager (Engineering), WBPDC, OS Dept. Corporate Office, 3/C, L.A Block, Salt Lake-III, Kolkata-700098 (Fax-033-23350516)
General Manager (O&M) Barh STPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213	General Manager (OS), ERHQ-II, NTPC Ltd., 3 rd flr. OLIC Building, Plot no. N 17/2, Nayapalli, Unit-8 Bhubaneswar- 751012 (Fax No. 0674-2540919)
General Manager(O&M), TSTPS, NTPC Ltd., P.O.Kaniha, Dist. Angul, Orissa-759117	General Manager (AM), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar – 751 007
General Manager (OS), ERHQ-I, NTPC Ltd., LoknayaJaiprakashBhawan, (2 nd Floor), DakBunglowChawk, Patna-800001	Manager (Electrical), Adhunik Power & Natural Resources Ltd. “Lansdowne Towers, Kolkata-700020 (Fax No. 033-2289 0285)
Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413)	Electrical Superintending Engineer, TTPS, TenughatVidyut Nigam Ltd.,Lalpania, Dist. Bokaro, Jharkhand-829149
Dy. General Manager (Electrical) IB Thermal Power Station, OPGCL Banhapalli, Dist. Jharsuguda-768234, Orissa	General Manager (AM), ER-I Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001
Chief Engineer (Trans.) Power Deptt., Govt. of Sikkim, Gangtok-731010	Sr. Manager (CTMC) Durgapur Projects Limited,Durgapur-713201
Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033	Head –Regulatory and contracts, IndiGrid Limited , 247 Embassy, Office No 107, ‘B’ Wing, Hindustan Co. Bus Stop, Gandhi Nagar, L.B.S. Road, Vikhroli West, Mumbai – 400 079. Ph : +91 845509 96408
General Manager (AM), ER-II Power Grid Corporation of India Ltd., J-I-15, Block-EP, Sector-V,Salt Lake,Kolkata-91	The Plant Head, Maithon Power Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jharkhand State, PIN-828207
General Manager (P&O), PTC Ltd., Kanchanjunga Bldg.,18, Barakhamba Road,	

New Delhi-110001	
Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.	Managing Director, Druk Green Power Corprn. P.O. Box-1351, Thimpu, Bhutan.
Associate Director (Commercial and Regulatory) Darbhanga-Motihari Transmission Company Limited (DMTCL),503,Windsor, Off CST Road, Kalina, Santacruz(E), Mumbai-400098	The Plant Head, JITPL. (FAX:011-26139256-65)
General Manager, Sikkim Urja Limited, New Delhi (FAX:011-46529744)	President , TPTEL, Bhikaji Cama Place, New Delhi , 110066
Director (NPC), CEA, NRPC Building, KatwariaSarai, New Delhi- 110016	President, Dans Energy Pvt. Ltd, 5th Floor, DLF Building No. 8, Tower-C, Gurgaon - 722002
Director, Shiga Energy Pw. Ltd., 5th Floor, DLF Building No. 8, Tower-C, Gurgaon - 722002	DGM (E&I), HALDIA ENERGY LIMITED, BARIK BHAWAN, KOKATA-700072, FAX: 033-22360955
The Plant Head, Dikchu HEP, Sikkim	

मुख्य अभियंता, ट्रांस (ओ एंड एम), बिहार स्टेट पावर ट्रांसमिशन लिमिटेड, विद्युत भवन, बेली रोड, पटना-800021	मुख्य अभियंता (सीआरआईटीएल), बिहार स्टेट पावर ट्रांसमिशन लिमिटेड, विद्युत भवन, बेली, रोड, पटना-800021
मुख्य अभियंता (सिस्टम ऑपरेशन), एसएलडीसी, बीएसपीटीसीएल, पटना-800021	
मुख्य अभियंता (एसएलडीसी), दामोदर वैली कॉर्पोरेशन, जीओएमडी-1 परिसर, पी.ओ.- दानेशशेख लेन, हावड़ा- 711109	मुख्य अभियंता (सीटीसी), दामोदर घाटी निगम, पी.ओ. मैथन बांध, जिला। धनबाद, झारखण्ड-828207
मुख्य अभियंता (सीआरआईटीएल), झारखण्ड ऊर्जा संचरण निगम लिमिटेड कुसाई कॉलोनी, डोरंडा, रांची-834002	मुख्य अभियंता (सीएलडी), झारखंड ऊर्जा संचरण निगम लिमिटेड, कुसाई कॉलोनी, डोरंडा, रांची-834002
मुख्य महाप्रबंधक (ओ एंड एम), ओपीटीसीएल, जनपथ, भुवनेश्वर, ओडिशा – 751 022. फैक्स: 0674-2542932 cgm.onm@optcl.co.in	वरिष्ठ महाप्रबंधक (पीपीए), तकनीकी विंग, ओएचपीसीएल, उड़ीसा राज्य पुलिस आवास एवं कल्याण निगम बिल्डिंग वाणीविहार चौक, जनपथ, भुवनेश्वर-752022
मुख्य लोड डिस्पैचर, एसएलडीसी ओपीटीसीएल, पी.ओ. मंचेश्वर रेलवे कॉलोनी भुवनेश्वर-751017	मुख्य अभियंता (परीक्षण), डब्ल्यूबीएसईटीसीएल केंद्रीय परीक्षण प्रयोगशाला, अभिक्षण, साल्ट लेक, कोलकाता-700091 (फैक्स नंबर 2367-3578/1235)
मुख्य अभियंता (सीएलडी), डब्ल्यूबीएसईटीसीएल, पी.ओ. दानेश शेख लेन, अंदुलरोड, हावड़ा-711109	अतिरिक्त मुख्य अभियंता (एएलडीसी), पश्चिम बंगाल विद्युत वितरण कंपनी लिमिटेड विद्युत भवन, 7वीं मंजिल, बिधाननगर, सेक्टर-I साल्ट लेक सिटी, कोलकाता-700091 (फैक्स-033-2334-5862)
उप मुख्य अभियंता (परीक्षण)/वरिष्ठ प्रबंधक (परीक्षण) सीईएससी लिमिटेड, 4, शशि शेखर बोस रोड, कोलकाता-700025	महाप्रबंधक (ओ एंड एम), खएसटीपीएस, एनटीपीसी लिमिटेड, पी.ओ. दीप्ति नगर, जिला भागलपुर, बिहार-813203
महाप्रबंधक (ओ एंड एम) एफएसटीपीएस, एनटीपीसी लिमिटेड, पी.ओ. नबारून, जिला- मुर्शिदाबाद, पश्चिम बंगाल-742236	उप. महाप्रबंधक (इंजीनियरिंग), डब्ल्यूबीपीडीसीएल, ओएस विभाग कॉर्पोरेट कार्यालय, 3/सी, एलए ब्लॉक, साल्ट लेक-III, कोलकाता-700098 (फैक्स-033-23350516)
महाप्रबंधक (ओ एंड एम), बाढ़ एसटीपीएस, एनटीपीसी लिमिटेड, पी.ओ. एनटीपीसी बाढ़, जिला- पटना, बिहार-803213	महाप्रबंधक (ओएस), ईआरएचक्यू-II, एनटीपीसी लिमिटेड, 3 rd Floor, ओएलआईसी बिल्डिंग, प्लॉट नं. एन 17/2, नयापल्ली, यूनिट-8 भुवनेश्वर- 751012 (फैक्स नंबर 0674-2540919)
महाप्रबंधक (ओ एंड एम), टीएसटीपीएस, एनटीपीसी लिमिटेड, पी.ओ.कनिहा, जिला- अंगुल, उड़ीसा- 759117	महाप्रबंधक (एएम), पावरग्रिड, ओडिशा प्रोजेक्ट्स, साहिद नगर, भुवनेश्वर - 751 007
महाप्रबंधक (ओएस), ईआरएचक्यू-I, एनटीपीसी लिमिटेड, लोकनायक जयप्रकाश भवन, (दूसरी मंजिल), डाकबंगलाचौक, पटना-800001	प्रबंधक (इलेक्ट्रिकल), आधुनिक पावर एंड नेचुरल रिसोर्सेज लिमिटेड, लैंसडाउन टावर्स, कोलकाता-700020 (फैक्स नंबर 033-2289 0285)

कार्यकारी निदेशक (ओ एंड एम), एनएचपीसी लिमिटेड, एनएचपीसी कार्यालय परिसर, सेक्टर-33, फरीदाबाद, हरियाणा-121003 (फैक्स- 01292272413)	विद्युत अधीक्षण अभियंता, टीटीपीएस, तेनुघाट विद्युत निगम लिमिटेड, ललपनिया, जिला। बोकारो, झारखण्ड-829149
उप महाप्रबंधक (विद्युत), आईबी थर्मल पावर स्टेशन, ओपीजीसीएल बनहापल्ली, जिला। झारसुगुड़ा-768234, उड़ीसा	महाप्रबंधक (एएम), ईआर-I पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड, अलंकार प्लेस, बोरिंग रोड, पटना- 800001
मुख्य अभियंता (ट्रांस.), विद्युत विभाग, सरकार। सिक्किम, गंगटोक-731010	वरिष्ठ प्रबंधक (सीटीएमसी), दुर्गापुर प्रोजेक्ट्स लिमिटेड, दुर्गापुर-713201
कार्यकारी निदेशक, ईआरएलडीसी, पोसोको, टॉलीगंज, कोलकाता-700033	प्रमुख-नियामक और अनुबंध, इंडीग्रिड लिमिटेड, 247 दूतावास, कार्यालय संख्या 107, 'बी' विंग, हिंदुस्तान कंपनी बस स्टॉप, गांधी नगर, एल.बी.एस. रोड, विक्रोली, पश्चिम, मुंबई - 400 079 फ़ोन: +91 845509 96408
महाप्रबंधक (एएम), ईआर-II इंडिया लिमिटेड का पावर ग्रिड कॉर्पोरेशन।, जे-आई-15, ब्लॉक-ईपी, सेक्टर-वी, साल्ट लेक, कोलकाता- 91	प्लांट हेड, मैथन पावर लिमिटेड, मैथन कार्यालय, एमए 5 गोगना, जिला। धनबाद, झारखंड राज्य, पिन-828207
महाप्रबंधक (पी एंड ओ), पीटीसी लिमिटेड, कंचनजंगा बिल्डिंग, 18, बाराखंभा रोड, नई दिल्ली-110001	
प्रबंध निदेशक, भूटान पावर कॉर्पोरेशन पोस्ट बॉक्स नं. 580, थिम्पू, भूटान।	प्रबंध निदेशक, ड्रुक ग्रीन पावर कॉर्पोरेशन। पी.ओ. बॉक्स-1351, थिम्पू, भूटान।
सह निदेशक (वाणिज्यिक एवं नियामक), दरभंगा- मोतिहारी ट्रांसमिशन कंपनी लिमिटेड (डीएमटीसीएल), 503, विंडसर, ऑफ सीएसटी रोड, कलिना, सांताक्रूज़ (पूर्व), मुंबई- 400098	प्लांट हेड, जेआईटीपीएल। (फैक्स:011-26139256-65)
महाप्रबंधक, सिक्किम ऊर्जा लिमिटेड, नई दिल्ली (फैक्स:011-46529744)	अध्यक्ष, टीपीटीएल, भीकाजी कामा प्लेस, नई दिल्ली- 110066
निदेशक (एनपीसी), सीईए, एनआरपीसी बिल्डिंग, कटवारियासराय, नई दिल्ली- 110016	अध्यक्ष, डान्स एनर्जी प्रा. लिमिटेड, 5वीं मंजिल, डीएलएफ बिल्डिंग नंबर 8, टावर-सी, गुडगांव - 722002
निदेशक, शिगा एनर्जी पी.डब्ल्यू. लिमिटेड, 5वीं मंजिल, डीएलएफ बिल्डिंग नंबर 8, टावर-सी, गुडगांव - 722002	डीजीएम (ई एंड आई), हल्दिया एनर्जी लिमिटेड, बारीक भवन, कोकाता-700072, फैक्स: 033-22360955
प्लांट हेड, डिक्चु एचईपी, सिक्किम ।	

List of important transmission lines in ER which tripped in April-2025

Sl. No.	LINE NAME	TRIP DATE	TRIP TIME	RESTORATION DATE	RESTORATION TIME	Relay Indication LOCAL END	Relay Indication REMOTE END	Reason	Fault Clearance time in msec	Remarks	DR Configuration Discrepancy (Local End)	DR Configuration Discrepancy (Remote End)	DR/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END	LOCAL UTILITY	REMOTE UTILITY
1	220KV-KHAGARIA-NEW PURNEA-2	27-04-2025	11:16:00	27-04-2025	12:18	Khagaria: Zone -I, Y ph B ph, Distance - 96.47km, Ir- 109.7A, Iy- 1.330kA, Ib- 1.275kA,	Purnea: Z1, Y-B, 2.1 KM, Iy 14.7kA, Ib 14.61 kA.	Y_B	100 msec	Line tripped on phase to phase fault.			NO	NO	BSPTCL	PG ER-I
2	400KV-RAJARHAT-FSTPP-1	26-04-2025	22:37:00	26-04-2025	23:38	Rajarhat: R-Ph, 3.25KA, 110.km	FSTPP: Z-1, 215.5km,R-Ph, 2.2kA	R-Earth	100 msec	A/r failed after 1 second			NO	NO	PG ER-II	NTPC
3	400KV-NEW JEERAT-SUBHASGRAM(PG)-1	26-04-2025	22:02	28-04-2025	02:07	New Jeerat end : RN fault, 89.1 KM , 3.6 KA	Subhasgram end : R-N, Z1 , 13.54 KM , 12.99 KA,	R-Earth	100 msec	A/r failed after 1 second			NO	NO	PG ER-II	PG ER-II
4	400KV-NEW JEERAT-SUBHASGRAM(PG)-2	26-04-2025	21:57	27-04-2025	13:38	New Jeerat end: RN fault , 90 KM , 3.62 KA	Subhasgram end: R-N fault, Z1 , 1.8 KM, 17.8 KA,	R-Earth	100 msec	A/r failed after 1 second			NO	NO	PG ER-II	PG ER-II

5	400KV-MEDINIPUR-NEW CHANDITALA-1	26-04-2025	21:17	26-04-2025	21:39	Medinipur: Y-Ph, Z-I, 1, 70.07km, 3.570kA	New chanditala: Y-Ph, Z-I, 18.25km, 11kA	Y-Earth	100 msec	A/r successful from both end. Line tripped in reclaim time			NO	YES	PMJTL	WBSETC L
6	400KV-BIDHANNAGAR-NEW CHANDITALA-1	26-04-2025	20:50	26-04-2025	21:04	Bidhannagar: B-Ph, 96km,Z-1, 3.45kA,	New Chanditala: B-Ph, Z- 1,34.2km, 6.34kA	B-Earth	100 msec	A/r failed after 1 second			YES	YES	WBSETC L	WBSETC L
7	400KV-MEERAMUNDALI- MENDHASAL-1	26-04-2025	17:30	NA	NA	Main1:Y_B_N, Z1,SOTF.Ir=0.06 KA,Iy=3.98KA, Ib=5.77 KA. 34.1 Km,	Mendhasal End: Main1:Y_B_N, Z1,SOTF.Ir=0.06 KA,Iy=3.98KA, Ib=5.77 KA. 34.1 Km(Tower collapse at loc no 110)	Y_Earth	100 msec	A/r failed after 1 second			YES	NO	OPTCL	OPTCL
8	400KV-MEERAMUNDALI- MENDHASAL-II	26-04-2025	17:30	NA	NA	B_N, FC-7.4 kA, Z-1	Mendhasal End : main1: Event 1:R_E, Z1, Ir=7.86 Ka,33.5 Km Event2: z1, R_E, Ir=9.00 KA (Tower collapse at loc no 110)	R-Earth	100 msec	A/r failed after 1 second			YES	NO	OPTCL	OPTCL
9	400KV-RANCHI- RAGHUNATHPUR-3	26-04-2025	16:40	26-04-2025	18:35	Ranchi: Y-N, 3.3kA, 111 km, Z-1		Y-Earth	100 msec	A/r successful from both end. Line tripped in reclaim time			YES	NO	PG ER-I	DVC
10	400KV-RANCHI- RAGHUNATHPUR-2	26-04-2025	16:33	26-04-2025	18:32	Ranchi:R-N, 3.3 kA, 110 km, z-1	-	R-Earth	100 msec	A/r successful from both end. Line tripped in reclaim time			YES	NO	PG ER-I	DVC

11	400KV-FSTPP-KHSTPP-2	26-04-2025	13:57	26-04-2025	16:40	FSTPP :29.23km, Z-1, 8.997 KA,R-N	-	R-Earth	100 msec	Three phase tripping for phase to ground fault. NTPC may explain.			NO	YES	NTPC	NTPC
12	400KV-FSTPP-KHSTPP-1	26-04-2025	13:33	26-04-2025	20:14	Farakka: Y-N, 7.91 kA,40.39km,	Kahalgaon: Y-N, 7.24 kA, 52.5km,	Y-Earth	100 msec	A/r failed after 1 sec.			NO	YES	NTPC	NTPC
13	400KV-KHSTPP-BARH-2	26-04-2025	13:33	26-04-2025	15:03	Tripped along with 400 KV FSTPP KHSTPP -1 , Main bay not available at KHSTPP end		No Fault	-	Line tripped due to tripping of FSTPP-KHSTPP #1 as main bay of Barh #2 was under S/D.			NA	NA	NTPC	NTPC
14	220KV-TENUGHAT-BIHARSARIFF-1	26-04-2025	13:21	26-04-2025	19:09	Tenughat: E/F, Zone-2, R-N , Distance-116.1 km, Ir- 300 A, Iy- 93.99 A,Ib-108.66 A	Biharshariff: R-N, FD-90km, Z1,Ir-01KA, Iy-160A, Ib-176A.	R-Earth	350 msec	Line tripped in Z-2 protection from Tenughat end and Z-1 protection from Biharshariff end. Carrier not send from Biharshariff end. BSPTCL may explain			YES	NO	JUSNL	BSPTCL
15	400KV-KHSTPP-BARH-2	26-04-2025	12:58	26-04-2025	13:26	Tripped along with 400 KV FSTPP KHSTPP -1 , Main bay not available at KHSTPP end		No Fault	-	Line tripped due to tripping of FSTPP-KHSTPP #1 as main bay of Barh #2 was under S/D.			NA	NA	NTPC	NTPC
16	400KV-KHSTPP-BARH-1	26-04-2025	12:58			Tripped along with 400 KV FSTPP KHSTPP -1 , Main bay not available at KHSTPP end		No Fault	-	Line tripped due to tripping of FSTPP-KHSTPP #1 as main bay of Barh #2 was under S/D.			NA	NA	NTPC	NTPC

17	400KV-FSTPP-KHSTPP-1	26-04-2025	12:58	26-04-2025	13:21	Kahalgao: Y-N, 7.1 kA, 10.5km,	Farakka: Y-N, 9.293kA,36.79km,	Y-Earth	100 msec	A/r failed after 1 second			NO	YES	NTPC	NTPC
18	220KV-PUSAULI-NADHOKAR-1	26-04-2025	11:44	26-04-2025	12:11	Pusauli: B-N , Z-3,44.91 km,2.116 KA	-	B-Earth	800 msec	As per PMU line tripped from Pusauli end in Z-3 protection. BSPTCL may explain.			NO	NO	PG ER-I	BSPTCL
19	220KV-PUSAULI-NADHOKAR-2	26-04-2025	11:44	26-04-2025	12:11	Pusauli: B-N , Z-3,64.8 km,1.463 KA	-	B-Earth	800 msec	As per PMU line tripped from Pusauli end in Z-3 protection. BSPTCL may explain.			NO	NO	PG ER-I	BSPTCL
20	220KV-MUZAFFARPUR(PG)-GORAUL(BH)-2	26-04-2025	11:04	26-04-2025	12:46	Muzaffarpur: B-N, 8.8kA, 6.3km,	Goraul: B-N, 6.3 KM, 1.39 KA	B-Earth	100 msec	A/r failed after 1 sec	DR length needs to be increased.		YES	NO	PG ER-I	BSPTCL
21	220KV-HAZIPUR-MUZAFFARPUR-1	26-04-2025	10:39	26-04-2025	17:30	Hazipur : Z-1,BN Fault, FD-29.69 KM,Ib-2.614 KA	Muzaffarpur : Z-1, BN Fault, FD -33.1 km, Ib 4.116 KA	B-Earth	100 msec				YES	YES	BSPTCL	PG ER-I
22	220KV-TENUGHAT-BIHARSARIFF-1	26-04-2025	10:09	26-04-2025	11:02	Tenughat: Z-1, R-N ,FC- 0.81 KA , FD-126 KM	Biharshariff : FC: 2.4 KA , FD-57 KM	R-Earth	100 msec	Three phase tripping for phase to ground fault. JUSNL and BSPTCL may explain.			YES	NO	JUSNL	BSPTCL

23	220KV-PATNA-KHAGAU-1	26-04-2025	08:49	26-04-2025	09:44	Patna: A/R Successful,	B-N, 8.36km, 12.104 kA	B-Earth	100 msec	A/Rsuccessful from Patna end. Line tripped from Khagaul end.			YES	NO	PG ER-I	BSPTCL
24	400KV-BINAGURI-MALBASE-1	25-04-2025	20:12	25-04-2025	22:08	R/I at Binaguri : B_N, Z-2, F Current : 2.476 kA, F Dist 104.5 km; at	Malbase end: B_N, Ib=4.077kA	B-Earth	500 msec	Line tripped from Binaguri end in Z-2 protection.			NO	NO	PG ER-II	BHUTAN
25	220KV-ALIPURDUAR (PG)-SALAKATI-2	25-04-2025	18:36	25-04-2025	20:59	Alipurduar: R-N, 1.928kA, 60km	SALAKATI-R-N, 26.8KM, 4.12KA (A/R successful) ;	R-Earth	100 msec	A/r successful from Salakati end. Line tripped from Alipurduar end.					PG ER-II	NERLDC
26	220KV-ALIPURDUAR (PG)-SALAKATI-1	25-04-2025	18:36	26-04-2025	16:21	Alipurduar:R-Y, IR-2.23kA, IY-2.9kA, 61km	SALAKATI-R-Y, 32.39KM, 7.5KA;	R-Y	100 msec	Line tripped on phase to phase fault.					PG ER-II	NERLDC
27	220KV-NEW PURNEA-MADHEPURA-1	25-04-2025	17:20	27-04-2025	17:20	Zone-1 ,YB Fault, dist-23.40km , Iy-5.991KA, Ib- 4.204 KA,	Y_N, FC-3.53 kA	Y-Earth	100 msec	A/r failed after 1 second			NO	YES	PG ER-I	BSPTCL
28	220KV-PUSAULI-NADHOKAR-1	25-04-2025	13:41	25-04-2025	15:23	Sasaram: B-Ph, Z-3, 82.78 km, 1.32kA		B-Earth	800 msec	As per PMU line tripped from Pusauli end in Z-3 protection. BSPTCL may explain.			NO	NO	PG ER-I	BSPTCL

29	220KV-PUSAULI-NADHOKAR-2	25-04-2025	13:41	25-04-2025	15:23	Sasaram: B-Ph, Z-3, 0.898kA		B-Earth	800 msec	As per PMU line tripped from Pusauli end in Z-3 protection. BSPTCL may explain.			NO	NO	PG ER-I	BSPTCL
30	400KV-DURGAPUR-KAHALGAON 2	25-04-2025	11:29	25-04-2025	12:16	Durgapur: Y-Ph, 3.162kA, 85km, Z-1	KHSTPP: 122km, Y-Ph, 3kA, Z-1	Y-Earth	100 msec	A/r failed after 1 second			NO	NO	PG ER-II	NTPC
31	220KV-CHANDIL-STPS(WBPDCL)- 1	25-04-2025	10:44	25-04-2025	18:02	Chandil: Zone-1 Trip, Y&B Phase Trip, Distance- 36.4 km , Ia- 0.06 KA, Ib- 4.17 KA, Ic- 4.13 KA	Y&B Phase Trip, Zone-1, Distance-59.27km, Ib- 3.21 kA, Ic- 3.23 Ka	Y-B	100 msec	Line tripped on phase to phase fault.	DR length needs to be increased.		YES	NO	JUSNL	WBPDCL
32	400KV-MEERAMUNDALI-TSTPP- 1	24-04-2025	12:51	24-04-2025	14:21	Not tripped	DT Received	No Fault	-	Line tripped from Talcher end only due to DT send from Meramundali end. OPTCL may explain..			NA	NO	OPTCL	NTPC
33	220KV-CHANDIL-STPS(WBPDCL)- 1	24-04-2025	11:22	24-04-2025	12:12	Chandil: Ia 0.28kA, Ib 0.46kA, Ic 1.63kA, Distance 95.1km	santaldih: B-Y, Z-I, 26.8km, 2.97kA	Y-B	100 msec	Line tripped on phase to phase fault.	DR length needs to be increased.		YES	NO	JUSNL	WBPDCL
34	220KV-RANCHI-MTPS(DVC)-1	24-04-2025	11:07	24-04-2025	11:56	Ranchi: B-Ph, 1.073kA, 181.903 km	MTPS: B-Ph, F/D#37.49KM zone-1	B-Earth	100 msec	Three phase tripping for phase to ground fault. PG ER-I and DVC may explain.			YES	NO	PG ER-I	DVC

35	400KV-MEERAMUNDALI-TSTPP-1	24-04-2025	10:37	24-04-2025	11:32	Not tripped	DT Received	No Fault	-	Line tripped from Talcher end only due to DT send from Meramundali end. OPTCL may explain..			NA	NO	OPTCL	NTPC
36	400KV-MAITHON-KHSTPP-1	23-04-2025	15:07	23-04-2025	16:00	DT received.	Over Voltage	No Fault	-	Maithon#1 and Farakka#2 is in same dia at Kahalgaon. Line tripped in O/V Stg-2 protection operated at Kahalgaon during tripping of Farakka-Kahalgaon #2.			NO	NO	PG ER-II	NTPC
37	400KV-FSTPP-KHSTPP-2	23-04-2025	15:07	24-04-2025	18:23	Z-1, Y_N,	Z-1, Y_N, FC-3.1 kA	Y-Earth	100 msec	A/r failed after 1 second			NO	NO	NTPC	NTPC
38	400KV-PPSP-BIDHANNAGAR-2	23-04-2025	11:26	23-04-2025	11:47	PPSP B_N, F Dist 34 km, Z-1	Dgp: B_N, F Current 1.8 kA, Z-2, Grp A, F Dist 164.5 km;	B-Earth	100 msec	Three phase tripping for phase to ground fault. WB may explain.			NO	YES	WBSEDC L	WBSETC L
39	400KV-LAPANGA-STERLITE-2	22-04-2025	13:10	22-04-2025	13:35	R/I at Lapanga end: R_N, F Current Ir 9.56 kA, F Dist 13.1 km	-	R-Earth	100 msec	A/r failed after 1 second					OPTCL	OPTCL
40	400KV-LAPANGA-OPGC (IB THERMAL)-2	22-04-2025	13:10	22-04-2025	13:39	Not tripped	Tripped at OPGC end, R/I at OPGC end : B_N, F Current Ib - 6.2 kA, F Dist 26km	B-Earth	100 msec	B-Earth fault occurred in 400kV Lapanga-Sterlite and same fault was sensed by OPGC and line tripped in Z-3 protection. OPTCL may explain.					OPTCL	OPTCL

41	400KV-LAPANGA-OPGC (IB THERMAL)-1	22-04-2025	13:10	22-04-2025	13:39	Not tripped	Tripped only at OPGC end , R/I at OPGC R_Y, F Current : Ir 6.25 kA, Iy 6.2 kA, F Dist 42 km	R_Y	100 msec	B-Earth fault occurred in 400kV Lapanga-Sterlite and same fault was sensed by OPGC and line tripped in Z-1 protection. OPTCL may explain.					OPTCL	OPTCL
42	220KV-RANCHI-RAMGARH-1	22-04-2025	08:40	22-04-2025	16:47	Ranchi end: Y-N, fd- 4.11 KM, fc-2.337 kA	Ramgarh end: Y-E, Zone - 1, F/C 9.75 kA; CT burst at Ramgarh end reported	Y-Earth	100 msec	A/r successful from Ranchi end. Line tripped from Ramgarh end.			YES	NO	PG ER-I	JUSNL
43	220KV-GAYA-BODHGAYA-2	21-04-2025	19:30	21-04-2025	20:06	Not tripped	Tripped on overcurrent	No Fault	-	As per SCADA power flow in each ckt was around 202 MW, Line tripped from Bodhgaya end on over current. BSPTCL may explain			NA	NO	PG ER-I	BSPTCL
44	220KV-GAYA-BODHGAYA-1	21-04-2025	19:30	21-04-2025	20:06	Not tripped	Tripped due to overcurrent	No Fault	-	As per SCADA power flow in each ckt was around 202 MW, Line tripped from Bodhgaya end on over current. BSPTCL may explain			NA	NO	PG ER-I	BSPTCL
45	220KV-BUDHIPADAR-RAIGARH-1	21-04-2025	13:01	21-04-2025	13:31	Raigarh: B-N, 32 km, 2.94 kA	A/r successful from Budipadar end.	B-Earth	100 msec	A/r successful from Budipadar end. Line tripped from Raigarh end.			YES	NO	OPTCL	WRLDC
46	400KV-BARIPADA-TISCO-1	20-04-2025	17:34	20-04-2025	19:37	A/R successful at Baripada end [R/I at Baripada end : B_N, F Current 3.808 kA, F Distance 115.3 km; B-N fault Zone-1 Ib- 8.77kA Fault distance: 2.08 KM, A/R unsuccessful]	Tripped at TISCO end,	B-Earth	100 msec	A/r successful from Baripada end. Line tripped from TISCO end due to unsuccessful A/r operation.			YES	NO	PG ODISHA	DVC

47	220KV-KHAGARIA-NEW PURNEA 2	20-04-2025	13:10	20-04-2025	16:23	Khagaria end: Zone - 1, B ph, Distance - 42.38km, FC- 2.376kA,	Purnea end: B_N, FD: 62.7 km, FC: 2.1 kA, Zone-1	B-Earth	100 msec	A/r successful from N Purnea end. Line tripped from Khagaria end. BSPTCL may explain.			NO	YES	BSPTCL	PG ER-I
48	220KV-RANCHI-HATIA-1	20-04-2025	12:57	20-04-2025	16:44	Ranchi end: YBN, Zone-1, FC: 6.3 kA, FD: 37.41 km.	Hatia end: B_N, Zone-1, FC: 12.36 kA, FD: 2.16 KM	B-Earth	500 msec	Phase to ground fault converted into phase to phase fault and three phase tripping occurred.			YES	YES	PG ER-I	JUSNL
49	400KV-BOLANGIR (PG)-ANGUL-1	19-04-2025	10:54	19-04-2025	11:35	; Bolangir: B-n, 77.26 km, 1.9 KA	Angul : B-N, 118.7 km, 3.03 KA	B-Earth	100 msec	A/r successful from both end. Line tripped in reclaim time			YES	YES	PG ODISHA	PG ODISHA
50	220KV-PATNA-KHAGAIL-1	19-04-2025	10:42	19-04-2025	13:13	Patna: B-N, 13kA, 8.3km	khagail: Z-1 , 5.369 KA, 17.45 KM	B-Earth	100 msec	A/r failed after 1 second			YES	NO	PG ER-I	BSPTCL
51	400KV-PPSP-BIDHANNAGAR-1	19-04-2025	04:12	19-04-2025	04:55	PPSP:Zone-1,Active Gr1,21M2- Zone -1, R ph, Distance - 115.7K	DGP: Rph , Zone -1,fault current -5.396KA.fault Distance-50.17KM	R-Earth	100 msec	R-N fault seen in PMU;3 ph trip for single ph fault.WBSETCL may explain			NO	YES	WBSEDC L	WBSETC L
52	400KV-MEERAMUNDALI- MENDHASAL-1	18-04-2025	20:56	19-04-2025	10:01	Meramundali: Z1,B_N,Ib=3.83KA, Dist=64.1KM	FC-4.6 Ka, B_N, Z-1	B-Earth	100 msec	A/r failed after 1 second			YES	YES	OPTCL	OPTCL

53	400KV-NEW DUBURI-MEERAMUNDALI-2	18-04-2025	20:00	19-04-2025	09:18	Meramundali: R Ph , 6.98KA, 37.4KM	New Duburi: Zone-I, Fault distance-56.4 KM, IL1- 4.75KA	R-Earth	100 msec	A/r failed after 1 second from Baripada end.			YES	YES	OPTCL	OPTCL
54	220KV-BARIPADA-BALASORE-2	18-04-2025	16:43	20-04-2025	17:40	Baripada End : FAULT TYPE: B Phase to Ground Fault FAULT CURRENT: 2.343 kA LOCATION: 76.270km	-	B-Earth	100 msec	A/r failed after 1 second from Baripada end.			YES	NO	PG ODISHA	OPTCL
55	765KV-NEW RANCHI-DHARAMJAIGARH-2	18-04-2025	16:00	18-04-2025	16:59	NEW RANCHI SITE DETAILS:M1: FD- 289.5 Km, FC(B-Ph) - 1.9 kA.	-	B-Earth	100 msec	A/r successful from both end. Line tripped in reclaim time			NO	NO	PG ER-I	WRLDC
56	765KV-JHARSUGUDA-RAIPUR PS (DURG)-2	18-04-2025	15:43	18-04-2025	22:28	Jharsuguda End: R- Y, Z-2, FD:274 Km, Fcr:5.38 kA, Fcy:4.16 kA	-	R-Y	100 msec	Line tripped on phase to phase fault.			YES	NO	PG ODISHA	WRLDC
57	400KV-KHARAGPUR-KOLAGHAT-1	18-04-2025	11:28	18-04-2025	11:59	KGP: Z1, R PH, 19.84 KM, 7.896 kA, A/R Successful	KTPP : Z1, R PH, 56.31 KM, 4.2 kA, A/R Lock out	R-Earth	100 msec	A/r successful from Kharagpur end. Line tripped from Kolaghat end. WB may explain.			YES	NO	WBSETC L	WBSETC L
58	400KV-KHSTPP-BARH-2	18-04-2025	11:13	18-04-2025	11:44	-	-	No Fault	-	Main bay at Kahalgaoon was under S/D and line charged through Tie bay. Due to tripping of Farakka #1, line got tripped.(Farakka #1 & Barh#2 is in same Dia)			NA	NA	NTPC	NTPC

59	400KV-KHSTPP-BANKA (PG)-1	18-04-2025	11:13	18-04-2025	11:41	-	-	No Fault	-	Main bay at Banka#1 was under S/D and line charged through Tie bay. Due to tripping of Barh #1, line got tripped.(Banka #1 & Barh#1 is in same Dia)			NA	NA	NTPC	PG ER-I
60	400KV-KHSTPP-BARH-1	18-04-2025	11:13	18-04-2025	11:39	KHSTPP: FD:-2.6 Km, Y-ph, FC:28.99 kA, Z-4		Y-Earth	100 msec	Fault in Farakka-Kahalgaon #1 near Kahalgaon end sensed in Z-4 protection and line tripped within 100 msec in Z-4 protection. Kahalgaon may explain.			NO	YES	NTPC	NTPC
61	400KV-FSTPP-KHSTPP-1	18-04-2025	11:13	18-04-2025	20:05	Y_E Fault	Y_N, FC-42.1 kA	Y-Earth	500 msec	Y-phase to ground sensed by Kahalgaon end and three phase tripped in Z-1 protection and from remote end fault was cleared after 500 msec. A/r failed after 1 sec from Kahalgaon end.			NO	YES	NTPC	NTPC
62	220KV-PATNA-KHAGAU-3	18-04-2025	07:05	18-04-2025	07:52	A/R successful at Patna, R/I at Patna: R_N, F Dist 20.24 km, F Current 7.049 kA,	Tripped at Khagaul end; Tripped due to (R-N) phase fault distance 4.5km from Khagaul end , fault current-(Ir) -12.67kA	R-Earth	100 msec	A/r successful from Patna end and three phase tripping from Khagaul end. BSPTCL may explain.			NO	NO	PG ER-I	BSPTCL
63	400KV-BIHARSARIFF(PG)-BANKA(PG)-1	18-04-2025	05:45	18-04-2025	17:16	R/I at Biহারsariff : R_N, F Dist 101.4 km, F Current 3.59 kA,	Banka R_N, F Dist 88.2 km, F Current 3.9 Ka	R-Earth	100 msec	A/r failed after 1 second			YES	YES	PG ER-I	PG ER-I
64	400KV-BIHARSARIFF(PG)-BANKA(PG)-1	18-04-2025	03:46	18-04-2025	05:49	R/I at Patna, B_N, F Dist 27.6 km, F Current 4.49 kA	-	B-Earth	350 msec	Line tripped in Z-2 protection from Patna end.			YES	NO	PG ER-I	BSPTCL

65	400KV-NEW PURNEA-BIHARSARIFF(PG)-1	17-04-2025	21:28	17-04-2025	22:54	R/I New Purnea : R_N, F Current : 2.1 kA, F Dist - 168.1 km;	Biharsariff end: R_N, F Current : 2.59 kA, F Dist - 117.11 km	R-Earth	100 msec	A/r successful from both end. Line tripped in reclaim time			YES	YES	PG ER-I	PG ER-I
66	400KV-MERAMUNDALI-LAPANGA-1	17-04-2025	13:04	17-04-2025	16:35	Meramundali : Z1,R_B,ph,Ir=9.35KA,Iy=0.57KA,Ib=8.69KA,dist=42.3KM	Lapanga: FAULT LOOP R-B,DIST-151.1KM,R-PH CURRENT = 3.082KA,Y-PH CURRENT = 0.560KA,B-PH CURRENT = 3.720A,Fault Duration = 49.9mSec	R-B	100 msec	Line tripped on phase to phase fault.			YES	YES	OPTCL	OPTCL
67	220KV-RANCHI-HATIA-2	15-04-2025	18:36	15-04-2025	19:36	Ranchi end : Ranchi Hatia Z-2: R_N,FC=3.74 kA, FD=36.3 KM	Hatia end: :- Ia= 0.01 kA, Ib=0.01 kA,	R-Earth	350 msec	Line tripped from Ranchi end in Z-2 protection, no zone picked up from Hatia end and line tripped after 5 sec from Hatia end in over voltage protection. JUSNL may explain.			YES	YES	PG ER-I	JUSNL
68	220KV-RANCHI-HATIA-3	15-04-2025	18:36	15-04-2025	19:28	Ranchi: R-Ph, Z-2, 4.46kA, 40.1km	Hatia : Ia=3.97kA,Ib=0.59kA,Ic=0.74 kA, fault location 1.93km	R-Earth	500 msec	Line tripped from Ranchi end in Z-2 protection and Z-4 protection from Hatia end.			YES	YES	PG ER-I	JUSNL
69	400KV-SAGARDIGHI-FSTPP-1	15-04-2025	17:52	15-04-2025	18:30	Tripped during SD of 400 kV FSTPP_Rajarhat	No tripping at Sagardighi	Maloperation	NA	No fault in the line.Hand trip of rajarhat farakka line led to DT sending to rajarhat end and Farakka end for Sagardighi line.Receiving PLCC frequency of the line for DT is to be kept different for			NO	NO	WBDCL	NTPC
70	400KV-DSTPS(ANDAL)-RAGHUNATHPUR-1	14-04-2025	17:07	15-04-2025	00:28	DSTPS: Fault Current IC(B-ph)=4.697 kA Fault Distance= 72 km. Zone2	RTPS: RTPS end: B-E, zone 1, 15.19 kA, 4.17 km	Y-B	100 msec	Y-B phase fault from PMU			NO	NO	DVC	DVC

71	400KV-DSTPS(ANDAL)- RAGHUNATHPUR-2	14-04-2025	17:07	15-04-2025	00:43	DSTPS: Fault Current IC(B- ph)=6.249 kA Fault Distance= 62.96 km. Zone2	RTPS: RTPS end: B-E, zone 1, 15.19 kA, 4.17 km	Y-B	100 msec	Y-B phase fault from PMU			NO	NO	DVC	DVC
72	765KV-FATEHPUR-PUSAULI-1	14-04-2025	15:46	14-04-2025	18:07	SASARAM (AFAS):M2-FD- 5.125KM, FC- 3.921KA, M1-FD- 5.216KM, FC- 3.966KA.		R-B	100 msec	R-B fault seen in PMU;R-B fault,Z-1 operated			Yes	NO	NR	PG ER-I
73	400KV-NEW PURNEA- BIHARSARIFF(PG)-1	14-04-2025	14:39	15-04-2025	15:48	Biharshariff: Y- Ph,4.6km,16.18kA,	New Purnea: Y-Ph, 186.4km,2.8kA,	Y-Earth	200 msec	Y-N fault;A/r lockout			Yes	Yes	PG ER-I	PG ER-I
74	220KV-MAITHON-DHANBAD-1	13-04-2025	15:43	13-04-2025	19:29	R/I at Dhanbad end: DEF trip,52.3km;	at Maithon end: B_N, Z-1	B-N	1.1 sec	DEF operated for B- N fault			Yes	NO	PG ER-II	DVC
75	400KV-BINAGURI-MALBASE-1	13-04-2025	11:30	13-04-2025	13:23	Binaguri: Z-2, B ph, 116.13 km, 1.57 kA		Y-B	100 msec	Y-B ph seen in PMU,Zone 2 trip ;So A/R lockout			Yes	NO	PG ER-II	BHUTAN
76	220KV-PUSAULI-NADHOKAR-1	13-04-2025	08:56	13-04-2025	10:31	Pusaui: R-N, 1.3 km, 12.5 kA,	Nadhokhar: R_N, Zone-1, Fc: 7 kA, FD: 2km	R-N	100 msec	R-N ;A/R Lockout			NO	NO	PG ER-I	PG ER-I

77	220KV-KHAGARIA-NEW PURNEA 1	13-04-2025	01:45	dumra	02:52	Khagaria: B-N , Iy- 168.3A, Ib- 1.242kA, Dist- 59.73km:	Purnea :B-N fault , 2.6 KA, 70.3km	Y-B fault	100 msec	Line tripped on Y-B fault from both sides on Z-1.. Carrier sent from New Purnea			YES	YES	BSPTCL	PG ER-I
78	220KV-KHAGARIA-NEW PURNEA 2	13-04-2025	01:45	13-04-2025	02:52	Khagaria:Y B, Iy- 3.363kA, Ib- 1.835kA, Dist- 61.34km	Purnea: Y-B Fault, Iy 5.8 KA, 3.91 KA 35 Km	Y-B fault	100 msec	Line tripped on Y-B fault from both sides on Z-1.. Carrier sent from New Purnea			YES	YES	BSPTCL	PG ER-I
79	220KV-SAHARSA-BEGUSARAI-1	13-04-2025	00:33	13-04-2025	02:59	Begusarai: Z-1, R phase FD - 60 KM IR - 2.36KA:	Saharsa :R-N , 25.5km, 4.95 KA	R-Earth	100 msec	R-n fault ;A/R lockou after 1 sec			YES	YES	PG ER-I	BSPTCL
80	220KV-DARBHANGA (DMTCL)- SAMASTIPUR-1	13-04-2025	00:19	13-04-2025	00:43	Darbhanga: B- ph , 793 A, 35 km	Samastipur:IB-1.73KA Z 1,Fd -24.6KM	B-Earth	100 msec	B-N fault		DR length is 0.7 sec after fault not allowin g to see whether A/R attempt occurs	NO	YES	DMTCL	BSPTCL
81	220KV-SAHARSA(PMTL)- BEGUSARAI-2	12-04-2025	23:45	13-04-2025	03:00	Begusarai :- Z-1,FD 20.93 KM IB - 2.83KA;	Saharsa :- B-N, 93.3km, 1.7 KA	R-B	100 msec	Z-1 operated at Saharsha forR_B fault Hence a/r attempt not seen			YES	YES	,PMTL	BSPTCL
82	400KV-BIHARSARIFF(PG)-BALIA- 2	12-04-2025	22:47	12-04-2025	23:37	Biharshariff: B-N, FD:1.48 KM, FC:1.38 KA	Balia: FC: 2.52 KA. FD:241.8 KM	B-Earth	100 msec	B-N fault,A/R fail after dead time at iharshariff,A/r lockout and carrier sent to remote end			YES	NO	PG ER-I	PGCIL NR

83	400KV-KHARAGPUR-KOLAGHAT-1	12-04-2025	21:01	12-04-2025	21:22	KTPP end: R/I Z-1, B Ph, Distance 2.488 KM, IB 15.98 KA;	AR successfully operated at KGP 400 KV with R/I B Ph, Z-2, Distance 73.41 KM, IB 3.208 KA	B-Earth	100 msec	A/R successful from KGP on B-N fault.possible tripping for opposite end.			YES	NO	WBSETC L	WBSETC L
84	400KV-MEERAMUNDALI-TSTPP-1	11-04-2025	18:07	11-04-2025	19:11	TSTPP end: Zone-1, 38 Km, R phase, fault current: 3.2 KAm.	Meeramundali end: A/r successful	R-Earth	100 msec	No tripping at Meramandali,Tripping from Talchr end			NO	NO	OPTCL,	NTPC
85	400KV-MEERAMUNDALI-NEW DUBURI-2	10-04-2025	21:56	10-04-2025	22:36	Meramundali: Z-I, R-Ph,7.06kA, 37.3km	New Duburi: Z-i. 69.3km,R-Ph, 4.78 km	R-Earth	100 msec	R-N fault,A/r successful from Meramandali.Also A/r successful from New duburi at 21:56,then at 21:59 possible trip on reclaim time			YES	YES	OPTCL	,OPTCL,
86	220KV-MAITHON(PG)-DUMKA-2	10-04-2025	21:35	10-04-2025	22:52	Maithon end: B-n, 2.679 kA, 19.047 km from Maithon		B-Earth	100 msec	Tripped in Z1 from maithon end;A/r successful from Dumka			YES	YES	PGCIL	JUSNL
87	400KV-GOKARNA-SAGARDIGHI-1	10-04-2025	19:42	10-04-2025	21:47	Gokarno end: B Phase, Zone 1, Distt. 17.28 km, current - 9.44 kA	Sagardighi end: Zone-1, B-Phase, Distance-29.41KM Fault Current-11.17KA	B-Earth	100 msec	Tripped on reclaim time after successful A/r 4 sec prior.BAR signal ON,A/R lockout signal seen			YES	YES	WBSETC	WBPDC
88	400KV-PPSP-BIDHANNAGAR-2	10-04-2025	19:30	10-04-2025	20:33	Bidhannagar end: Rph, Z1, 86.41m, 18.02kA	. PPSP end: Rph-N (no distance/zone shown as reported by site)	R-Earth	100 msec	R-N fault seen.A/R blocked at Bidhannagar due to DEF/SOTF signal			YES	NO	WBSETC L	WBSEDC L

89	400KV-GOKARNA-NEW CHANDITALA-1	10-04-2025	18:42	10-04-2025	19:43	New Chanditala end: A/R successful.	Gokarna end: B-N, Z1, 38.15km, 6.731kA	B-Earth	100 msec	A/R successful at New Chanditala;Gokarno end R and Y phase tripped on A/r failure but B phase tripped 1 sec later with a BAR signal			YES	YES	WBSETC L	WBSETC L
90	400KV-KHSTPP-BARH-2	10-04-2025	16:53	10-04-2025	17:32	Fault distance- 74.64km Ia-6.321kA Ib-539.8A Ic-292.2A		R-Earth	100 msec	Barh end A/r successful			NO	YES	NTPC	NTPC
91	400KV-LAKHISARAI-KHSTPP-2	10-04-2025	16:52	11-04-2025	02:31	Y ph LA damage at Lakhisarai end		Y-Earth	100 msec	A/R successful at Lakhisarai end and then trip in reclaim time after 4 sec due Y ph LA damage			YES	NO	PGCIL	NTPC
92	400KV-BIHARSARIEFF(PG)- BANKA(PG)-1	10-04-2025	16:19	10-04-2025	16:37	Banka: R ph, 2.5 kA, 147 km		R-Earth	100 msec	R ph Z1,Fault in reclaim time			YES	YES	PGCIL	PGCIL
93	400KV-BIHARSARIEFF(PG)- BANKA(PG)-2	10-04-2025	16:19	10-04-2025	16:55	Banka end: Y_N, FC: 2.6 kA, FD: 160 km		Y-Earth	100 msec	Tee protection,O/V stage 1 protection and bus bar protection signal appearing at Biharsharif end.A/R fail	11 unidentified signals bi 19 to bin 28 at Biharsharif		YES	YES	PGCIL	PGCIL
94	400KV-KODERMA- BIHARSARIEFF(PG)-1	10-04-2025	15:52	10-04-2025	17:26	Biharshariff Y ph, 8.7 km, 8.1 kA		Y-Earth	100 msec	A/r lockout/SOTF after fault in Y ph	some spare signals at Biharsahriff end		NO	YES	DVC	PGCIL

95	400KV-BIHARSARIFF(PG)-MUZAFFARPUR(PG)-2	10-04-2025	15:52	10-04-2025	17:41	MUZAFFARPUR(PG): B-N, FC:2.79kA, FD: 124.9 km		B-Earth	100 msec	Initial fault R-N,A/r lockout in B-N		Muzaffarpur end DR is 1 sec after fault, it should be 2.5 sec	YES	YES	PGCIL ER 1	PGCIL ER 2
96	400KV-BIHARSARIFF(PG)-BALIA-1	10-04-2025	15:47	10-04-2025	17:01		BALIA END: R-N FAULT FC-2.650KA,FD-241.5KM	B-Earth	100 msec	A/r successful at Biharsharif			YES	NO	PGCIL ER 1	PGCIL NR
97	220KV-TENUGHAT-BIHARSARIFF-1	10-04-2025	15:47	10-04-2025	17:51	Handtripped from Biharsharif end due to sparking	NO tripping at Tenughat end	No fault	-	Handtripping			NO	NO	JUSNL	BSPTCL
98	400KV-BIHARSARIFF(PG)-BALIA-2	10-04-2025	15:47	11-04-2025	15:45		BALIA END: B-N FAULT, FC-3.242KA, FD-241.8KM	B-Earth	100 msec	B-N fault ;Tripped in reclaim time after 6 sec			YES	NO	PGCIL ER 1	PGCIL NR
99	400KV-BIHARSARIFF(PG)-SAHUPURI(CHANDAULI)-1	10-04-2025	15:45	10-04-2025	18:09	BIHARSHARIF END: B-N FAULT FC-11.67KA, FD-8.124KM		B-Earth	100 msec	B-N;A/R failure after 1 sec			YES	NO	PGCIL ER 1	PGCIL NR
100	400KV-BIHARSARIFF(PG)-PUSAULI-1	10-04-2025	15:45	10-04-2025	16:24	Sasaram: B ph, 2.5 kA, 178 km;	Biharsharif: B ph, 11.8 kA, 10.27 km	B-Earth	100 msec	B-N fault;A/r lockout after 1 sec			YES	YES	PGCIL ER 1	PGCIL ER 2

101	220KV-MUZAFFARPUR(PG)-HAZIPUR-2	10-04-2025	15:40	10-04-2025	17:24	Busbar protection operated at bus 2 at Hazipur zone-2, 1b-diff. 8KA		B-Earth	100 msec	Bus bar differential protection operated for B-N dault. Due to heavy wind, Handle lock of earth switch of Bus-2 found damaged due to which earth switch came to induction range of isolator. Due to this 220KV		At Hazipur one DR is showing B-N fault while other is showing Y-N	NO	YES	PGCIL ER 2	BSPTCL
102	400KV-PATNA-SAHARSA-2	10-04-2025	15:36	10-04-2025	16:47	Patna end: Y-N FC- 22.7 kA FD-6.2km		Y-Earth	100 msec	Initially B-N fault seen, after 1 sec Y-N fault seen and carried aided trip occurred in Saharsha and probably TOR trip in Patna. Patna 2nd event Dr is pending			YES	YES	PGCIL ER 1	PMTL
103	400KV-BIHARSARIFF(PG)-SAHUPURI(CHANDAULI)-2	10-04-2025	15:27	10-04-2025	17:07	Biharsharif: Y ph, 9.7 kA, 23 km		Y-Earth	100 msec	Y-N fault followed by R_N fault within 1 sec			YES	NO	PGCIL ER 1	PGCIL NR
104	220KV-PATNA-FATUHA-1	10-04-2025	15:24	10-04-2025	17:03	Fatuha end: Zone-1, FC: 10.5 kA, FD: 2.662 km R-N	a/r successful in Patna	R-Earth	100 msec	Patna side DR is showing successful A/r in R-N fault; R-N fault in stormy weather, Tripping in fatuha; a/r successful in Patna			YES	NO	PGCIL ER 1	BSPTCL
105	220KV-GAYA-KHIZERSARAI-2	10-04-2025	15:24	10-04-2025	19:26	KHIZERSARAI end: R_N, FD: 0.5 km, FC: 12.42 kA		R-Earth	100 msec	3 ph trip observed for R-N fault ; PG may explain	Virtual outpur 4 and 5 in gaya DR is unidentified		YES	NO	PGCIL ER 1	BSPTCL
106	400KV-MAITHON-GAYA-1	10-04-2025	15:13	11-04-2025	14:39	Gaya: R ph, 3.5 kA, 62 km :	Maithon: R ph, 207 km, 1.96 kA	R-Earth	100 msec	R-N fault ; A/R Lockout			YES	YES	PGCIL ER 2	PGCIL ER 1

107	220KV-PATNA-KHAGAIL-1	10-04-2025	15:12	10-04-2025	19:04	Patna: Y-B fault, IY,IB= 9.6 kA, 14.5 km		Y-B fault	100 msec	Y-B fault,3 ph trip			YES	NO	PGCIL ER 1	BSPTCL
108	220KV-HAZIPUR-MUZAFFARPUR-1	10-04-2025	14:40	10-04-2025	16:03	Hazipur: Rph, 9 km, A/R successful		R-Earth	100 msec		Wrong DR uploaded at Hazipur 15:40 in place of 14:40)		NO	NO	BSPTCL	PGCIL ER 1
109	220KV-MUZAFFARPUR(PG)-GORAIL(BH)-1	10-04-2025	14:20	11-04-2025	14:58	At Muzaffarpur(PG) end:- Fault distance-12.5 KM, Zone-1 Ia-9.16 KA, Ib-344 A, Ic-455 A, Van-75 KV, Vbn-134 KV, Vcn-132 KV,	At GSS Gorail end:- zone-1, Fault distance-4.7 KM Ia-5.6 KA, Ib-313 A, Ic-355 A, Van-6.7 KV, Vbn-148 KV, Vcn-143 KV	R-Earth	100 msec	Three phase trip for R_N fault at Gorail;R ph remaining open for less than 0.05 sec thus less than required deionisation time		Few signals in DR are unidentified	YES	NO	PG -ER1	,BSPTCL
110	220KV-DEHRI-GAYA-2	10-04-2025	14:18	10-04-2025	18:24	DEHRI end: Zone-1, FD: 20.46KM Fc-3. 878KA		B-Earth	100 msec	B-N fault.A/r lockout after dead time			NO	YES	BSPTCL	PGCIL,
111	220KV-ALIPURDUAR (PG)-SALAKATI-2	10-04-2025	09:41	10-04-2025	10:56	Alipurduar: B-N, 88.29KM, 2.28kA	:SALAKATI-M1:B-N ,10.5 KA , 11.67 KM, Z1 trip	B-Earth	100 msec	B-N fault,VT fuse fail and A/R block signals are high			YES	NO	PGCIL ER2 ,	PGCIL NER
112	400KV-BINAGURI-MALBASE-1	10-04-2025	08:07	10-04-2025	08:34	Binaguri: Z-1, Y-Earth, FC-3.4 kA	-	Y-Earth	100 msec	Ar/ successful from Binaguri end. Three phase tripping occurred on phase to ground fault (Transient) from Malbase end. Bhutan may review A/r scheme.			YES	NO	PGCIL ER2 ,	BHUTAN

113	220KV-SAHARSA(PMTL)-KHAGARIA(NEW)-1	10-04-2025	05:55	10-04-2025	06:37	Tripped only at Khagaria end, R/I :Zone-1, B_N, F Current : 2.864kA, F Dist : 56.63km		B-Earth	100 msec	A/R successful at Saharsha end;DR at Khagaria also showing A/r successful.SO next DR at Khagaria may be pending			YES	YES	PMTL	,BSPTCL
114	400KV-SAHARSA-DARBHANGA (DMTCL)-2	09-04-2025	08:22	09-04-2025	08:53	A/r successful from Saharsa end	Line Tripped from Darbhanga End only: Y-Ph,7.58kA,25.2km	Y-Earth	100 msec	A/r successful from Saharsa end and three phase tripping from DMTCL end. DMTCL may explain.			YES	NO	PG ER-I	DMTCL
115	220KV-DARBHANGA (DMTCL)-DARBHANGA-1	09-04-2025	05:48	09-04-2025	08:25	DMTCL END: B_N, F Current -10.35kA, F Dist-2.23 KM;	DARBHANGA (BSEB): B_N, F Current : 7.49 kA	B-Earth	100 msec	Three phase tripping for phase to ground fault. DMTCL and PG ER-I may explain.			YES	YES	DMTCL	PG ER-I
116	400KV-SUBHASGRAM-HALDIA-2	06-04-2025	14:25	06-04-2025	21:47	Subhasgram: B-N 49.6 KM ,5.06 KA	HEL: Fault in B phase,Fault Current 4.41 KA, Fault Distance 28.42 KM from HEL.	B-Earth	100 msec	B-N fault with a/r failure;Tripped within reclaim time as seen in PMI.Z1 operated with A/r lockout and carrier receipt.			YES	NO	PGCIL	CESC
117	400KV-SUBHASGRAM-HALDIA-2	06-04-2025	14:00:00	06-04-2025	14:24	at Subhasgram : B_N, Ib -5.2 kA, F Dist 53 KM	R/I at Haldia end: B_N, Z1 Dist 25.1 km , Ib2.92 kA;	B-Earth	100 msec	B-N fault,A/R lockout after 1 second,Z1 operated			YES	NO	PGCIL	CESC
118	220KV-DARBHANGA (DMTCL)-MOTIPUR-2	06-04-2025	12:10	06-04-2025	16:30	R/I at Darbhanga :Y_B, Iy 3.61 kA, Ib3 .63 kA, F Dist 57.7 km from Darbhanga;	at Motipur end : Y_B, Iy 3.944kA, Ib 3.917kA, F Dist 49.50 km	Y-B	100 msec	Line tripped on phase to phase fault.			YES	YES	DMTCL	BSPTCL

119	220KV-CHANDAUTI (PMTL)- SONENAGAR-2	06-04-2025	11:58	06-04-2025	18:24	R/I at Chandaوتي : Y_B, Iy 5.8 kA, Ib- 5.5 kA, Z-1 F Dist 31 km from Chandaوتي	, at Sonenagar: Y_B, Iy 2.599 KA Ib 2.679KA, F Dist 42.57 km from Sonenagar	Y-B	100 msec	Line tripped on phase to phase fault.		DR at Sonena gar is not time Synchro nized.	YES	YES	PMTL,	BSPTCL,
120	220KV-TENUGHAT- BIHARSARIFF-1	06-04-2025	11:21	06-04-2025	17:46	Tenughat end: R-E, F/C 0.5kA, 95.5 km;	Biharsariff end: Main 2 protection operated: R-E, 109.33km, F/C 1.05 kA	R-Earth	100 msec	Three phase tripping for phase to ground fault. BSPTCL and JUSNL may explain.			NO	YES	JUSNL,T VNL	BSPTCL,
121	400KV-KHSTPP-BARH-2	05-04-2025	18:37	06-04-2025	10:38	Barh - Zone-1 (R-N fault) FC - : 22.38kA FD - 14.54km ,	KHSTPP - R_N fault zone - 2	R-Earth	100 msec	A/r successful from Barh end. Three phase tripping occurred at Kahalgaon end on phase to ground fault. Kahalgaon may explain.			NO	YES	NTPC	NTPC
122	400KV-ARAMBAGH-PPSP-1	05-04-2025	13:48	05-04-2025	14:41	Arambagh end:- C Ph, Zone-1, FD: 132.7 km, FC- 1.638 KA.	PPSP end:- C Ph, Z-1, 50 km. Ic- 4.33 KA.	B-Earth	100 msec	Three phase tripping for phase to ground fault. WB may explain.			YES	NO	WBSETC L	WBSETC L
123	400KV-PPSP-BIDHANNAGAR-2	05-04-2025	13:48	06-04-2025	05:03	B- ph, Zone-1, FD: 11.85 km, FC- 11.7 KA. PPSP	end:-B-N, FC: 80 A, FD: 174 km	B-Earth	100 msec	Three phase tripping for phase to ground fault. WB may explain.			NO	YES	WBSETC L	WBSETC L
124	400KV-BINAGURI-MALBASE-1	05-04-2025	06:10	05-04-2025	07:08	Binaguri End: Z2,FD=103KM ,FC=1.423kA	,Malbase End: Z-1, Ia= 383.8A, Ib= 341.2A, Ic= 2937A & In= 3382A	B-Earth	500 msec.	Due to fault in Bhutan Jurisdiction, Line tripped from Binaguri end in Z-2 protection.			YES	NO	PG-ER-II	BHUTAN

125	400KV-MEDINIPUR-KHARAGPUR 2	02-04-2025	18:50	NA	NA	Tripped on DP. Tower Collapsed		R_Y_B	100 msec	As per PMU three phase fault observed due to Tower Collapsed.			NO	NO	PG-ER-II	WBSETCL
126	400KV-MEDINIPUR-KHARAGPUR 1	02-04-2025	18:45	NA	NA	Tripped on DP. Tower Collapsed		R_Y_B	100 msec	As per PMU three phase fault observed due to Tower Collapsed.			NO	NO	PG-ER-II	WBSETCL
127	220KV-SAHARSA(PMTL)- BEGUSARAI-2	02-04-2025	10:15	02-04-2025	12:43	Saharsa: R-Y Fault, 33.86km, Ir 5.57 KA, Iy 5.57 KA;	Begusarai: Dist- 56.3Km, IR=3.62kA, IY=3.57kA	R-Y	100 msec	Line tripped on phase to phase fault.			YES	YES	PMJTL	BSPTCL