



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/2024/ 996

दिनांक /DATE:13.09.2024

सेवा में / To,

संलग्न सूची के अनुसार / As per list enclosed.

विषय : पू.क्षे.वि.स. की 139 वीं संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना।

Sub: Notice for 139th Protection Coordination sub-Committee (PCC) meeting of ERPC.

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स की 139 वीं पीसीसी बैठक, 26 सितम्बर 2024 (गुरुवार) 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 139th PCC meeting of ERPC will be held on 26th September 2024 (Thursday) 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 138th Protection sub-Committee Meeting of ERPC
- 2) Analysis of following grid disturbances of Aug 2024:
 - Total Power failure at 220/132 kV Purnea (PG) S/s on 01.08.2024 at 15:50 Hrs
 - Total Power failure at 220 kV Darbhanga (BSPTCL) S/s on 01.08.2024 at 17:59 Hrs
 - Total Power failure at 220 kV Arrah (PG) S/s on 09.08.2024 at 19:51 Hrs
 - Total Power failure at 220/132 kV Katapalli (OPTCL) S/s on 29.08.2024 at 06:52 Hrs
- 3) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 4) Single line tripping incidences of transmission elements for Aug 2024 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,

(आई. के.मेहरा/ I. K. Mehra)

अधीक्षण अभियंता (पी.एस)

Superintending Engineer (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 Corp. 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., LoknayakJaiprakashBhawan, (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, Jhankand 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 , TPTL, 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-1 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 फोन: +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, डुक 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, डिक्यु एचईपी, सिक्किम ।	

List of important transmission lines in ER which tripped in August-2024														
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 END -1	DR Configuration Discrepancy - END -2	DR/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END
1	220KV-RANGPO-NEW MELLI-1	01-08-2024	08:52	03-08-2024	20:25	Rangpo end- Y_N, Z-1, FD-19.9 km, FC-9.86 kA ,	New Melli: Y_N, Z-1, FD-1.69 km, FC-2.19 kA. Conductor snapping reported between Loc 43-44	R_N	100 msec	No A/R attempt taken at Rangpo end while A/R failed at New melli end , Powergrid may explain			DR of New melli uploaded	YES
2	220KV-NEW PURNEA-MADHEPURA-2	01-08-2024	11:34	01-08-2024	13:09	New Purnea: B_N, 5.16 kA, 7.1 Km	Madhepura - B_N	B_N	400 msec	Tripped in Zone -2 at Madhepura end while A/R successful at New Purnea , , BSPTCL may explain		DR is not Time Synchronized & The Time need to increase to 3 sec in DR	NO	YES
3	220KV-PATNA-KHAGAUL-2	01-08-2024	13:19	01-08-2024	14:23	Patna: R_N, 25.24 kA, 5.69 Km		R_N	100 msec	A/R successful from Patna end but 3 phase tripped from Khagaul end for single phase fault , BSPTCL may explain .			YES	NO
4	400KV-KODERMA-BOKARO-1	01-08-2024	14:03	01-08-2024	15:24	Koderma: B_N, 3.47 kA ,91.9 Km		B_N	100 msec	A/R Successful from Bokaro end , while A/R attempt not taken at Koderma end and other 2 phases tripped from koderma on PD. DVC may explain		The Time need to increase to 3 sec in DR	YES	NO

5	400KV-BINAGURI-BONGAIGAON-2	01-08-2024	14:31	01-08-2024	18:20	Binaguri : B-N, 4.4 kA, 77 km	Bongaigaon: B-N, 176.4 Km.	B_N	100 msec	A/R Successful Tripped again within recalarm time at Binaguri. At Bongaigaon end, A.r not attempted and other 2 phases tripped after 3 sec on PD			YES	-
6	400KV-BINAGURI-TALA-1	01-08-2024	14:44	01-08-2024	15:28	Binaguri: DT Received	Tala: B_N, 2.4 kA, 30.4km	B_N	400 msec	At Binaguri, Zone-3 picked up, however DT received from remote and all three phase tripped .	DR is not Time Synchroni zed		YES	-
7	400KV-RANCHI-RAGHUNATHPUR-1	01-08-2024	15:25	01-08-2024	16:46	Ranchi: Y_B_N , Y-9.3 kA, B- 8.7 kA, 54.8 Km	Raghunathpur: Y_B_N, Y: 4.41 kA, B: 4.40 kA 104.33 Km	Y_B_N	100 msec	Phase to phase fault			YES	YES
8	220KV-MUZAFFARPUR-HAJIPUR-1	01-08-2024	18:44	01-08-2024	19:51	Muzaffarpur: Y-B, 10.36 kA, 11.6 Km	Hajipur: Y-B, Ib: 2.7 kA, 36 Km	Y_B_N	100 msec	Phase to phase fault			NO	NO
9	220KV-RAJARHAT-BARASAT-1	02-08-2024	13:01	02-08-2024	13:23	Rajarhat: B_N, 8.61 kA, 5.29 Km	Barasat: B_N, 6.33 kA, 16.92 Km	B_N	100 msec	After B_ph tripping from Rajarhat DT was sent to remote end resulting in three phase tripping from both ends. Powergrid may explain			YES	NO
10	220KV-DARBHANGA(DMTCL)-LAUKAHI-1	02-08-2024	20:40	04-08-2024	21:04	Darbhangha (DMTCL): Y-B, Iy: 3.26 kA, Ib: 3.24kA, 63.5 Km	Laukahi : Y_B, Iy-4.405, kA, Ib- 4.427 kA, 22.02 Km	Y_B	100 msec	Phase to phase fault		DR is not Time Synchroni zed	YES	YES

11	220KV-MAITHON-DHANBAD-1	03-08-2024	18:36	03-08-2024	19:03	Maithon: R_N, 5.3 kA, 26.5 km		R_N	100 msec	A/r successful from Dhanbad only while 3 phase tripped from maithon end. PG ER-2 may explain.	DR is not Synchronized		YES	YES
12	400KV-FSTPP-KHSTPP-2	04-08-2024	01:16	10-08-2024	19:08	DT Received at Farakka end		No fault	NA	No fault observed in Line. NTPC may explain			NO	NO
13	400KV-DURGAPUR-KAHALGAON-1	05-08-2024	10:23	05-08-2024	11:24	DT Received at Durgapur end		No fault	NA	No fault observed in Line Powergrid & NTPC may explain			NO	NO
14	400KV-BINAGURI-TALA-4	05-08-2024	12:56	08-08-2024	18:42	Binaguri: B_N, 3.04 kA, 128.39 km	Tala: B_N, 49.2 km	B_N	100 msec	A/R Failed after 1 sec			YES	YES
15	400KV-PPSP-BIDHANNAGAR-2	05-08-2024	23:15	06-08-2024	00:29	PPSP : Y-N, 134.5 Km	Durgapur : Y-N, 7.087 kA, 32.75 Km	Y_N	100 msec	A/r kept disabled as per OEM advise			NO	NO
16	220KV-DARBHANGA (DMTCL)-MOTIPUR-2	06-08-2024	03:30	06-08-2024	09:04		Tripped from Motipur End	No fault	NA	No fault observed in line. Line tripped from motipur only. BSPTCL may explain			NO	NO

17	400KV-PPSP-BIDHANNAGAR-1	06-08-2024	12:32	06-08-2024	12:47	PPSP: B-N, 32.8 Km	Bidhannagar: B-N, 2.97 kA, 112.3 Km	B_N	100 msec	A/r kept disabled as per OEM advise			NO	NO
18	400KV-RANCHI-RAGHUNATHPUR-3	06-08-2024	16:06	06-08-2024	19:35	Ranchi:Y-N, 3.8 kA, 164 Km	Raghunathpur: Y_N, 1.62 kA, 10.89 Km	Y_N	100 msec	A/R successful at Ranchi end while 3 phase tripped at Raghunathpur end		The Time need to increase to 3 sec in DR	YES	YES
19	220KV-SAHARSA(PMTL)-KHAGARIA(NEW)-2	06-08-2024	17:53	06-08-2024	19:51	Saharsa: R-N, 2.28 kA, 73.1 km		R_N	400 msec	Tripped in zone 2 - PMTL /BSPTCL may explain			wrong DR updated	NO
20	400KV-JEERAT-SAGARDIGHI-1	07-08-2024	01:29	07-08-2024	02:29	Jeerat - Line did not tripped	Sagardighi - Master trip operated	No fault	NA	No fault observed in PMU. WBPDCL may explain			NO	NO
21	400KV-JHARSUGUDA-RAIGARH-3	07-08-2024	08:45	08-08-2024	16:01	Jharsuguda : Y-N, 14 kA, 15.6 Km		Y_N	100 msec	A/R failed after 1 sec			NO	-
22	220KV-DARBHANGA(DMTCL)-MOTIPUR-1	07-08-2024	16:51	07-08-2024	17:39	Darbhanga: Y_B, Iy-2.92kA, Ib-2.93 kA, 71.3 Km	Motipur: Y_B, Iy -5.034 kA, Ib-5.007 kA, 34.53 km	Y_B	100 msec	Phase to phase fault			NO	YES

23	400KV-MEERAMUNDALI-JSPL-2	08-08-2024	10:07	08-08-2024	16:46	Meeramundali: B_N, 16.83 kA		B_N	400 MSEC	Line Tripped in Zone 2 from JSPL end while B phase tripped in zone 1 from meeramundali end , OPTCL / JSPL may explain	The Time need to increase to 3 sec in DR		YES	NO
24	220KV-JSPL-JAMSHEDPUR(DVC)-1	09-08-2024	12:47	09-08-2024	13:50	JSPL :Y_N, 151.8 Km	Jamshedpur :Y_N, 3.632 kA, 11 km	Y_N	100 msec	At Jamshedpur end Initial fault in Y phase but R & Y phase both tripped , even after that A/R attempt taken at jamshedpur end , DVC may explain			NO	YES
25	400KV-JEERAT-SAGARDIGHI-1	09-08-2024	12:48	09-08-2024	13:30	Jeerat - Line did not tripped	Tripped only from Sagardighi end, 86A,86B operated	No fault	NA	No fault observed in line WBPDCCL may explain			NO	NO
26	220KV-TENUGHAT-BIHARSARIFF-1	09-08-2024	21:46	09-08-2024	22:37	TENUGHAT : R_N, 1.103 kA	Biharsariff : R_N, 1.8 kA	R_N	100 msec	3 Phase tripping for single phase fault , BSPTCL & TVNL may explain	DR is not time synchronized at Biharsariff end		NO	YES
27	400KV-MEERAMUNDALI-JSPL-2	10-08-2024	11:20	10-08-2024	15:39	Meramundali: B-N, Ib: 17.4 kA	JSPL : B-N, Ib: 0.14 kA	B_N	100 msec	Tripped in zone - 2 from JSPL end while auto recloser fail after 1 sec from meramundali end . OPTCL/JSPL may explain	The Time need to increase to 3 sec in DR		YES	NO
28	220KV-SUBHASGRAM(PG)-NEW TOWN-1	10-08-2024	11:25	10-08-2024	11:49	Subhasgram: Y_N, 10.97 kA, 1.26 Km		Y_N	100 msec	3 phase tripping for single phase fault powergrid and wbsctel may explain			COULD NOT BE DOWNLQA	NO

29	220KV-KHAGARIA-NEW PURNEA-1	11-08-2024	01:14	11-08-2024	01:38		New Purnea: B-N, IB :2.53 kA, 83.7 km	B_N	400 msec	Tripped in zone 2 from New Purnea end , BSPTCL & powergrid may explain		The Time need to increase to 3 sec in DR	NO	YES
30	400KV-PUSAULI(PG)-NABINAGAR(BRBCL)-2	11-08-2024	06:34	11-08-2024	07:41	Pusauli: DT received	BRBCL: R_N	No fault	NA	No fault observed in PMU DT receipt at Pusauli , NTPC may explain			YES	NO
31	400KV-GORAKHPUR-MOTIHARI-2	11-08-2024	07:39	11-08-2024	17:24	Gorakhpur : Y-N, 4.423 kA, 25.961 Km	Motihari : Y_N, 3.72 kA, 85.2 Km	Y_N	100 msec	A/R Failed after 1 sec			-	YES
32	220KV-DARBHANGA (DMTCL)-MOTIPUR-1	11-08-2024	09:51	11-08-2024	10:34	Darbhangha: B_N, 1.82 kA, 87.8 Km	Motipur : B_N, 0.38 kA	B_N	100 msec	A/R Successful from Motipur end , DMTCL may explain whether A/R was failed from there end or no attempt was taken at Darbhanga end as the same can not be determined due to short duration of DR	The Time need to increase to 3 sec in DR		YES	YES
33	220KV-MAITHON(PG)-DUMKA-2	11-08-2024	23:43	12-08-2024	00:05		Tripped from Dumka end only	No fault	NA	No fault observed in line , tripped from dumka end only , JUSNL may explain		DR is not time synchronized at Dumka end	NO	YES
34	220KV-NEW TOWN(AA-III)-SUBHASGRAM(PG)-1	13-08-2024	11:10	13-08-2024	19:12	New Town: R-N, 8.5 kA, 8.85 km	Subhasgram: R-N, 9.7 km, 12.17 kA	R_N	100 msec	A/R failed after 1 second		DR is not time synchronized at New town end	COULD NOT BE DOWNLQA	YES

35	220KV-RANCHI-MTPS(DVC)-1	13-08-2024	21:44	13-08-2024	22:40	Ranchi : Y-N, 1.88 kA, 80.52 km	Mejia: Y_N, 0.83 kA, 221.38 Km	Y_N	100 msec	A/r Successful at ranchi end while A/r kept disabled at mejia end			YES	NO
36	220KV-BIHARSARIFF-TTPS-1	14-08-2024	14:18	14-08-2024	14:50	Biharsariff: B-N, 127 km	TTPS: B-N, 590 A, 34 km	B_N	500 msec	O/C , Earh fault operated at Biharsariff end and DT send to Tenughat end			YES	NO
37	400KV-ALIPURDUAR (PG)-PUNASANGCHUN-JIGMELING-2	14-08-2024	15:09	14-08-2024	15:50		Jigmelling: B_N, 1.34 kA, 96.2 km	B_N	400 msec	High Resistive fault , Line trip from Alipurduar on DT receipt			YES	-
38	220KV-TENUGHAT-BIHARSARIFF-1	15-08-2024	10:39	15-08-2024	11:13	Tenughat: B_N, 119.4 km, 373.3 A	Biharshariff : B_N, 1.766 kA, 58.7 km	B_N	100 msec	3 Phase tripping for single phase fault , BSPTCL & TVNL may explain		DR is not time synchronized at Biharsariff end	NO	YES
39	220KV-KHAGARIA-NEW PURNEA-1	15-08-2024	12:56	15-08-2024	13:21	New Purnea: B-N, 2.31 kA, 85.9 Km	Khagaria: A/R SUCCESSFUL	B_N	100 msec	Tripped in zone 2 from New Purnea end , BSPTCL & powergrid may explain		The Time need to increase to 3 sec in DR	NO	YES
40	400KV-NEW PPSP-NEW RANCHI-1	15-08-2024	15:11	15-08-2024	15:52	New PPSP : B-N, 1.966 kA, 96.82 km	New Ranchi: B_N, 6.15kA, 36.7 Km	B_N	100 msec	A/R failed at PPSP end while A/r was Successful at ranchi end , WBSETCL may explain			NO	YES

41	220KV-CHAIBASA(PG)-CHAIBASA(JUSNL)-1	15-08-2024	16:51	15-08-2024	19:24	Chaibasa (PG): DT received, Maloperation of SF6 CT at Chaibasa (JUSNL) end		No fault	NA	NO Fault observed in PMU , DT received at Chaibasa (PG) JUSNL may explain	DR is not time synchronized at Biharsariff end	NO	YES
42	220KV-SAHARSA(PMTL)-KHAGARIA(NEW)-1	16-08-2024	05:05	17-08-2024	01:52	Saharsa: R-N, 41.1 km	Khagaria: R_N, 3.027 kA, 26 km	R_N	100 msec	A/R Failed after 1 sec		NO	NO
43	220KV-DALTONGANJ-CHATRA-1	16-08-2024	13:28	16-08-2024	14:22	Z-1, 37.13 km, B-N fault, IB=0.252 kA	B-N fault, IB=0.108 kA	B_N	100 msec	No A/R attempt taken at chatra end and remaining phases trip on PD after 2.5 sec , while A/r Successful at Daltongunj end . JUSNL may explain	DR is not time synchronized at Chatra end	NO	YES
44	220KV-SAHARSA(PMTL)-KHAGARIA(NEW)-1	17-08-2024	01:53	18-08-2024	19:23	Saharsa: B-N,4.1km, 12.9kA	Khagaria: B-N, 1.93kA, 66 km	B_N	100 msec	A/R Failed after 1 sec		YES	NO
45	400KV-NEW JEERAT-SUBHASGRAM(PG)-1	17-08-2024	03:51	17-08-2024	17:34	New Jeerat : B-N, 3.6 kA, 6.3 km	Subhasgram : B-N, 12.16 kA, 13km	B_N	100 msec	A/R Failed after 1 sec		YES	YES
46	220KV-MAITHON(PG)-DUMKA-1	17-08-2024	10:52	17-08-2024	11:30	Maithon : B_N, 4.29 kA ,8.8 Km	Dumka : B_N, 1.16 kA, 58.32 Km	B_N	100 msec	3 phase tripping from Maithon end for single phase fault. A/R Failed after 1 sec at Dumka. JUSNL & powergrid may explain		YES	YES

47	220KV-BIDHANNAGAR-WARIA-2	17-08-2024	12:59	17-08-2024	16:39	Waria : B_N, 7.73 kA, 5.41 Km,		B_N	100 msec	A/R Failed after 1 sec			NO	NO
48	400KV-ALIPURDUAR (PG)-PUNASANGCHUN-2	17-08-2024	14:58	17-08-2024	15:45	Alipurduar: DT received		B_N	100 msec	Initially on B_N fault B phase tripped from both end subsequent remaining 2 phases also tripped from both end . At Alipurduar end R & Y phase was tripped on DT receipt while at Punasangchun end after tripping of all phases 3			YES	-
49	400KV-MEERAMUNDALI-NEW DUBURI-2	17-08-2024	15:05	17-08-2024	17:50	Meramunduli: R_N, 6.86 kA, 2460 Km	New Duburi: R_N, 4.72 kA, 58.6 Km	R_N	100 msec	A/R Failed after 1 sec	The Time need to increase to 3 sec in DR		YES	NO
50	400KV-SAHARSA-DARBHANGA (DMTCL)-1	18-08-2024	01:34	18-08-2024	01:43	Saharsa: A/R successful	DMTCL: Y-N, Iy: 10.42 kA, 12.1 km	Y_N	100 msec	3 Phase tripping for single phase fault at Darbhanga end while A/r Successful at Saharsa end . DMTCL may explain			YES	NO
51	220KV-DARBHANGA (DMTCL)-MOTIPUR-1	18-08-2024	10:06	18-08-2024	11:05	Darbhanga(DMTC L): Y_B, Iy-2.91 kA, Ib-2.89 kA, 72 Km	Motipur : Y_B, Iy : 5.228 kA, Ib: 5.217 kA, 34.55 Km	Y_B	100 msec	Phase to phase fault			NO	YES
52	220KV-CHUKHA-BIRPARA-1	19-08-2024	21:13	21-08-2024	18:05		Birpara : Y_N, 2.30 kA, 52.4 Km (A/r Successful 4 times at 20:52 Hrs, 20:53 Hrs, 20:54 Hrs and 20:56 Hrs)	Y_N	100 msec	3 Phase tripping for single phase fault at Birpara end while A/r Successful at Chuka end . Powergrid may explain			YES	YES

53	765KV-JHARSUGUDA-RAIPUR PS (DURG)-2	20-08-2024	03:12	20-08-2024	05:26	Jharsuguda: Y_N, 11.69 kA, 55.7 km	Raipur: Y_N, 3.8 kA, 248.3 Km	Y_N	100 msec	A/R Failed after 1 sec			NO	-
54	400KV-NEW PPSP-ARAMBAGH-1	21-08-2024	12:30	21-08-2024	13:02	PPSP : Y_N , 118.3 km, 2.596 kA	Arambagh: Y_N, 3.19 kA, 94.4 Km	Y_N	100 msec	A/r Successful , Tripped in reclaim time			NO	YES
55	765KV-JHARSUGUDA-RAIPUR PS (DURG)-2	22-08-2024	01:46	22-08-2024	03:22	Jharsuguda : B_N, 118.41 km, 6.115 kA	Raipur : B_N, 167.44 km, 4.26 kA	B_N	100 msec	A/R Failed after 1 sec			NO	-
56	400KV-GOKARNA-NEW CHANDITALA-1	22-08-2024	10:38	22-08-2024	10:53	Gokarna : Y_N, 114 km	New Chanditala: Y_N, 2.8 kA, 61.7 km	Y_N	100 msec	A/R Failed after 1 sec			YES	YES
57	220KV-DARBHANGA (DMTCL)-MOTIPUR-2	22-08-2024	13:23	22-08-2024	14:04	Darbhanga: Y-B, Iy=4.73 kA, IB=4.73 kA, 40km	Motipur:Y-B, Iy-3.092 kA	Y_B	100 msec	Phase to phase fault			NO	YES
58	220KV-RAXAUL-SITAMARHI-2	22-08-2024	14:30	22-08-2024	16:00		Sitamarhi: Y_B, 6 kA, 34.3 km	Y_B	100 msec	Phase to phase fault			YES	NO

59	220KV-MAITHON(PG)-DUMKA-1	22-08-2024	20:16	22-08-2024	20:57	Maithon: R_N, 2.3 kA, 56km (A/R Successful)	Dumka: R_N, 3.32 km, Ir= 4.37 kA	R_N	100 msec	3 phase tripping from Dumka end for single phase fault ,A/R successful at maithon end , JUSNL may explain	DR is not time synchronized at Maithon end end		YES	YES
60	220KV-CHUKHA-BIRPARA-1	23-08-2024	09:42	25-08-2024	17:49	Chukha: Y_B	Birpara: Y_B, Ib- 2.71 kA, Iy-2.66 kA, 56.7 Km	Y_B_N	100 msec	Phase to phase fault			YES	NO
61	220KV-ARRAH (PG)-Dumraon New-2	23-08-2024	12:09	23-08-2024	17:15	Tripped due to Main Bus #2 tripping		Y_N	100 msec	Trip on Bus bar protection , Rason for bus bar protection operation may be share by powergrid			YES	NO
62	220KV-ARRAH (PG)-NAUBATPUR(BH)-2	23-08-2024	12:09	23-08-2024	16:46	Tripped due to Main Bus #2 tripping		Y_N	100 msec	Trip on Bus bar protection , Rason for bus bar protection operation may be share by powergrid			YES	YES
63	400KV-BAHARAMPUR-BHERAMARA-2	23-08-2024	13:53	23-08-2024	17:52		DT receive (channel-1) from the remote end. Only the Bheramara end circuit breaker tripped.	NO FAULT	NA	Trip only at Bheramara end on DT			NO	NO
64	220KV-DEHRI-GAYA-2	24-08-2024	11:34	24-08-2024	16:51	Dehri : B_N, 1.290 kA, 60.6 Km	Gaya: B_N, 4.4 kA, 31 Km	B_N	100 msec	A/R Failed after 1 sec			YES	NO

65	220KV-RAJARHAT-BARASAT-2	24-08-2024	23:49	25-08-2024	17:13	Rajarhat : Y-N, 7.70 kA, 11.706 km	Barasat: Y_N, 8.75 kA, 6.2 Km	Y_N	100 msec	A/R Failed after 1 sec at Rajarhat while No A/R attempt taken at Barasat end , WBSETCL may explain			YES	NO
66	220KV-MAITHON(PG)- DUMKA-2	25-08-2024	00:26	25-08-2024	10:06	MAITHON: B-N, 2.96 kA, 69.2km	DUMKA:-B-N, 1b-5.2 kA, 1.77 Km	B_N	500 msec	Tripped in Zone 2 from Maithon end , JUSNL & powergrid may explain	The Time need to increase to 3 sec in DR		YES	YES
67	220KV-MAITHON- DHANBAD-1	25-08-2024	11:47	25-08-2024	12:17	Maithon : B_N, 3.12 kA, 46.6 km		B_N	100 msec	3 phase tripping for single phase fault at Maithon end while A/r Successful at Dhanbad end , power grid may explain			YES	NO
68	400KV-KHSTPP- LAKHISARAI-1	26-08-2024	12:07	26-08-2024	16:51		Lakhisarai : 50 MVAr kAhalgaon Line Reactor-1 along with Line got tripped on REF.	NO FAULT	NA	No fault observed as per PMU , powergrid may explain			NO	YES
69	400KV-JEYPORE- GAJUWAKA-2	27-08-2024	13:37	27-08-2024	15:05	Jeypore: Y_N, 1.98 kA, 161 Km		Y_N	100 msec	A/R Failed after 1 sec			NO	NO
70	220KV- KARAMNASHA (NEW)-SAHUPURI-1	28-08-2024	05:16	28-08-2024	07:54			Karamnasha : Zone-3, Master trip 86	500 MSEC	Tripped in Zone 2 from Karamnasha end			NO	NO

71	220KV-CHUKHA-BIRPARA-1	28-08-2024	07:45	30-08-2024	16:11		Birpara: Y-B, Iy-2.87 kA, Ib-2.9 kA, 57 km	Y_B_N	100 msec	Phase to phase fault	DR is not time synchronized at Chuka end		YES	NO
72	400KV-BIDHANNAGAR-NEW CHANDITALA-1	28-08-2024	10:35	28-08-2024	10:59	Bidhannagar: R-N, 6.38 kA, 28.8 km	New Chanditala: R_N, 3.116 kA, 105.57 km	R_N	100 msec	A/r kept in non-auto mode for OPGW work			NO	YES
73	220KV-RENGALI(PH)-TSTPP-1	29-08-2024	12:57	29-08-2024	16:39	Rengali (PH):- R-N, IR: 4.06 kA, 28.41 km	TSTPP:- R-N, IR-16.87 kA, 0.9 km	R_N	400 msec	Tripped in zone 2 from Rengali end OHPC may explain			NO	NO
74	400KV-MERAMUNDALI-LAPANGA-2	29-08-2024	14:03	29-08-2024	16:59	Meeramundali : Y-N, Iy= 5.12 kA, 40.9 Km	Lapanga: Y_N, Iy= 3.04 kA, 131.1 Km	Y_N	100 msec	A/R Failed after 1 sec			YES	YES
75	400KV-ANGUL-JITPL-1	29-08-2024	14:23	29-08-2024	15:14	Angul: R-Y, 10 kA, 26.5 km	JITPL: R_Y, Ir-5.12 kA, Iy-4.31 kA, 38.6 km	R_Y_N	100 msec	Phase to phase fault			NO	NO
76	400KV-JEERAT-BAKRESWAR-1	30-08-2024	10:19	30-08-2024	10:45	Jeerat: R-N, 2.67kA, 148 km	Bakreswar: R-N, 5.34 kA, 29.89 km	R_N	500 msec	Tripped in Zone 2 from Jeerat end , WBSETCL & WBPDCCL may explain			NO	NO

77	220KV-DARBHANGA (DMTCL)-MOTIPUR-1	30-08-2024	13:27	30-08-2024	13:51	Darbhanga: B-N, 1.74 kA, 68.3 km	Motipur: B-N, 8.7km (A/R successful)	B_N	100 msec	3 phase tripping for single phase fault , BSPTCL & DMTCL may explain	The Time need to increase to 3 sec in DR		YES	NO
78	220KV-DARBHANGA(DMTCL)-LAUKAHI-1	30-08-2024	15:07	30-08-2024	17:55	Darbhanga: Y-B, Iy=7.59 kA, Ib=7.42 kA, 20.7 km		Y_B_N	100 msec	Phase to phase fault			NO	NO
79	220KV-CHUKHA-BIRPARA-1	30-08-2024	16:31	01-09-2024	18:11		BIRPARA : R-Y, Ir=2.97 kA, IY=3.54 kA, 58.2 Km	R_Y_N	100 msec	Initial R_N fault which evolves as phase to phase fault during A/R			NO	YES
80	400KV-BINAGURI-TALA-1	31-08-2024	15:59				Tala: B_N, Ib: 5.0 kA, 6.7 km	B_N	100 msec	A/R Failed after 1 sec			YES	NO