



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/ 837

दिनांक /DATE:14.08.2024

सेवा में / To,

संलग्न सूची के अनुसार / As per list enclosed.

विषय : पू.क्षे.वि.स. की 138 वीं संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना।

**Sub: Notice for 138<sup>th</sup> Protection Coordination sub-Committee (PCC) meeting of ERPC.**

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स की 138 वीं पीसीसी बैठक, 28 अगस्त 2024 ( बुधवार ) को 10:30 बजे पूर्वहिन 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 138<sup>th</sup> PCC meeting of ERPC will be held on 28<sup>th</sup> August 2024 (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 137<sup>th</sup> Protection sub-Committee Meeting of ERPC
- 2) Analysis of following grid disturbances of July 2024:
  - Total Power Failure at 220 kV Chatra (JUSNL) S/s on 08.07.2024 at 13:10 Hrs.
  - Disturbance at 220 kV Bokaro (DVC) S/s on 20.07.2024 at 19:38 Hrs
- 3) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 4) Single line tripping incidences of transmission elements for July 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](http://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](http://www.erpc-protectiondb.in).)

बैठक में आपकी उपस्थिति महत्वपूर्ण है।

Your participation in the meeting is highly solicited.

भवदीय / Yours faithfully,

*I. K. Mehra*  
14/8/2024

(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](http://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 <sup>th</sup> 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 <sup>rd</sup> 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 <sup>nd</sup> 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 , 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-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 <sup>rd</sup> 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, ड्रक 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 July-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	LOCAL UTILITY	REMOTE UTILITY
1	220KV-BUDHIPADAR-KORBA-3	01-07-2024	03:45	01-07-2024	14:54	Budhipadar : Didn't trip		No fault	NA	Tripped from Korba end only. No fault observed from PMU.			No	No	OPTCL	WR

2	765KV-DHARAMJAI GARH-JHARSUGUDA-1	01-07-2024	10:34	01-07-2024	11:28	Dharamjaigarh :B_N, 15.249 KA, 15.644 Km	Jharsuguda : B_N, 5.982 KA, 135.856 Km	B-Earth	100	A/r failed after 1 second			No	No	WR	PG Odisha
3	400KV-BAHARAMPUR-BHERAMARA-3	01-07-2024	12:18	02-07-2024	10:05	Baharampur: R_N, 92.3 Km, 3.606 kA	Bheramara: R-N	R-Earth	100	A/r failed after 1 second			Yes	NA	PG ER-2	Bangladesh

4	220KV-BOLANGIR(PG)-SADEIPALLI-1	02-07-2024	11:11	02-07-2024	11:47	Bolangir: DT received	Sadeipalli: Pole discrepancy	No fault	NA	No fault observed from PMU. OPTCL may explain.			No	No	PG Odis ha	OPTCL
5	220KV-NEW MELLI-TASHIDING-1	02-07-2024	14:03	02-07-2024	14:52	New Melli: B-N, 15.06 km, 1.963 kA	Tashiding: DT received	B-Earth	300	Initially fault in Zone-2 from New Melli. Later fault was sensed in Zone-1 and A/r attempted after 1 second which failed.			Yes	No	PG ER-2	THEP



6	220KV-BOLANGIR(PG)-BOLANGIR(GRIDCO)-1	02-07-2024	16:48	02-07-2024	17:12		Sadeipali: Pole discrepancy	No fault	NA	No fault observed from PMU. OPTCL may explain.			No	No	PG Odis ha	OPTCL
7	400KV-NEW JEERAT-SUBHASGRAM(PG)-1	03-07-2024	00:40	08-07-2024	22:36	New Jeerat : R-N, 113.30 Km, 2.971 kA	Subhasgram: R_N, 1.578 Km, 19.06 kA	R-Earth	100	A/r failed after 1 second			Yes	Yes	PG ER-2	PG ER-2

8	220KV-KHAGARIA-NEW PURNEA-2	03-07-2024	19:11	03-07-2024	19:56	Khagaria:-Y-B, Iy-1.982kA, Ib-1.946 kA, 89.31 km	New Purnea:-Y-B, Iy-12.9 kA, Ib-7.84 kA	Y-B	400	Phase to phase fault. Tripped in Zone-2 time from Khagaria	DR length less and not time synchronized at New Purn	Yes	Yes	BSPT CL	PG ER-1
9	400KV-LAPANGA-STERLITE-2	04-07-2024	02:39	04-07-2024	03:13		Sterlite: Y-N, IY-22.9 KA, 2.9Km.	Y-Earth	100	A/r successful from Lapanga. No A/r attempted at Sterlite and other two phase tripped after seconds. PD time may be checked. Sterlite may explain.		Yes	No	OPTCL	VEDANTA

10	400KV- CHANDAUTI (PMTL)- NABINAGAR (NPGC)-1	04-07-2024	14:22	04-07-2024	15:13	Chandauti: Y_N, 9.31 kA	NPGC: Y-N, 24km	Y- Ear th	100	3 phase tripping for single phase fault from chandauti while A/R successful from NPGC			Yes	No	PMTL	NTPC
11	400KV- GOKARNA-NEW CHANDITALA-1	04-07-2024	18:16	04-07-2024	18:28	New Chanditala: Y_N, 136 Km, 2.383 KA.		Y- Ear th	100	DT received at New Chanditala and all three phase tripped for single phase fault. A/r successful from Gokarna.			Yes	Yes	WBSE TCL	WBSE TCL

12	400KV-LAPANGA-STERLITE-2	05-07-2024	15:51	05-07-2024	18:30		Sterlite: Y-N, 23.5 kA, 3 km	Y-Earth	100	A/r failed after 1 second			Yes	No	OPTCL	VEDANTA
13	400KV-BINAGURI-TALA-1	06-07-2024	01:30	06-07-2024	02:31	Binaguri : B_N, 3.77 KA, 11.86 km	Tala: B_N Ib: 4.76 kA, 55.7 km	B-Earth	100	A/r successful at Binaguri. However after 1.5 second DT received from Tala and all three phase tripped.			Yes	No	PGER-2	Bhutan

14	400KV- ALIPURDUAR (PG)- PUNASANGCHU N-2	06-07-2024	02:45	06-07-2024	08:11	Alipurduar : B-N, 121 km, 4.14 kA		B- Ear th	200	Evolving resistive fault. A/r failed after 1 second			Yes	No	PG ER-2	Bhutan
15	400KV- GORAKHPUR- MOTIHARI-2	09-07-2024	05:40	09-07-2024	18:33		Motihari : R_N, 10.2 kA, 7.9 km	R- Ear th	100	A/r failed after 1 second from Motihari. Main bay at Gorakhpur didn't attempt A/r, its tie bay attempted A/r after 2			No	Yes	NR	DMTC L

16	400KV-BIHARSARIFF(PG)-SAHUPURI(CHANDLAULI)-2	09-07-2024	14:37	09-07-2024	15:49	Biharshariff: B-N, 185.1km, 2.21kA	Sahupuri: B_N, 112.66 Km	B-Earth	100	A/R successful from Biharshariff while tripped from sahapuri end			Yes	NA	PG ER-1	NR
17	220KV-RANCHI-MTPS(DVC)-1	10-07-2024	12:22	10-07-2024	12:50	Ranchi: B_N, 20.229 km, 6.8 kA	MTPS: B-N, 191.30 km, 0.94 3 kA	B-Earth	100	A/r succesful from Ranchi. A/r kept disabled at Mejia			Yes	No	PG ER-1	DVC

18	400KV-BIHARSARIFF(PG)-SAHUPURI(CHANDAU LI)-1	10-07-2024	15:54	10-07-2024	17:53	Biharsharif: Didn't trip	Sahupuri: Y-N	Y-Earth	500			NA	No	PGER-1	NR
19	400KV-BIHARSARIFF(PG)-SAHUPURI(CHANDAU LI)-2	10-07-2024	15:54	10-07-2024	17:54	Biharsharif: Didn't trip	Sahupuri: Y-N	Y-Earth	500	Disturbance at Sahupuri S/s. Zone-2 picked at Biharsharif but line		NA	No	PGER-1	NR

20	400KV-BIHARSARIFF(PG)-SAHUPURI(CHANDDAULI)-2	10-07-2024	18:37	10-07-2024	23:03	Biharsharif: Didn't trip	Sahupuri: Y_N, 86 L/O trip relay	Y-Earth	500	but line tripped from remote end after around 480 msec			NA	No	PG ER-1	NR
21	400KV-BIHARSARIFF(PG)-SAHUPURI(CHANDDAULI)-1	10-07-2024	18:37	10-07-2024	23:02	Biharsharif: Didn't trip	Sahupuri: Y_N, 86 L/O trip relay	Y-Earth	500				NA	No	PG ER-1	NR



22	220KV-DARBHANGA(DMTCL)-LAUKAHI-1	11-07-2024	04:13	11-07-2024	05:32	DMTCL: R_N, 2.1 KA, 68.8 Km	Laukhai: R_N, 14.15 Km, IA: 4.522 KA	R-Earth	100	Three phase tripping for single phase fault. DMTCL & BSPTCL may explain			No	No	DMTCL	BSPTCL
23	220KV-SAHARSA(PMTL)-BEGUSARAI-1	11-07-2024	13:50	11-07-2024	14:38	Saharsa: R-N, 24.8 km, 5.2 kA	Begusarai: R-N, 61.4 Km, 2.5 KA	R-Earth	100	A/R successful. Line tripped again within reclaim time			Yes	No	PMTL	BSPTCL

24	220KV-GAYA-KHIZERSARAI-2	11-07-2024	17:53	11-07-2024	19:12	Gaya: R-N, 21.8 km, 5.0 8kA	Khizersarai: R-N, 36km, 2.15kA	R-Earth	100	3 phase tripping for 1 phase fault , POWERGRID /BSPTCL may explain			Yes	No	PG ER-1	BSPTCL
25	400KV-BAHARAMPUR-BHERAMARA-2	11-07-2024	19:12	11-07-2024	22:20	Baharampur: R-N, 51km, 5.8 kA		R-Earth	100	3 phase tripping for 1 phase fault. DT received at Baharampur end			Yes	No	PG ER-2	Bangladesh

26	220KV-DALTONGUNJ-GARWAH (NEW)-1	11-07-2024	20:15	12-07-2024	16:01	Daltongunj: R-N, 5.6km, , 6.36 kA		R-Earth	100	A/R failed affter 1 sec from Daltongunj end but Y & B poles remained charged from Garwah end. PD time may be checked.			Yes	No	PG ER-1	JUSNL
27	220KV-RANCHI-CHANDIL-2	12-07-2024	20:21	12-07-2024	20:49	Ranchi :Y_N,23.56 Km, 6.229 kA		Y-Earth	100	A/R Sucessful from Chandil only , while Y phase tripped from Ranchi end and other 2 phases tripped after 2.5 seconds on Pole Discrepancy. PG ER-1 may explain.	DR is not time sync hroni zed and chan nels are not prop	Yes	Yes	PG ER-1	JUSNL	

28	220KV-RANCHI-MTPS(DVC)-1	12-07-2024	21:54	12-07-2024	22:32	Ranchi: Y-N, 20.4km, 5.71 kA	MTPS: Y_N, 203.6 Km	Y-Earth	100	A/r succesful from Ranchi. A/r kept disabled at Mejia			Yes	No	PG ER-1	DVC
29	400KV-LAPANGA-STERLITE-2	13-07-2024	09:04	13-07-2024	09:53	Lapanga: Y-N, 9 kA, 10.78 km	Sterlite: Y_N, Y-KA, 26.8 3Km.	Y-Earth	100	A/R sucessful from Lapnaga while no A/r attempted at Sterlite and other two phase tripped after 5 seconds. PD time may be checked. Sterlite may explain.			Yes	No	OPTCL	VEDANTA

30	400KV-LAPANGA-STERLITE-2	13-07-2024	11:01	13-07-2024	20:15		Sterlite : Y_N, 2.9 Km, 25.3 kA	Y-Earth	100	A/r attempted from Lapanga after 1 second. However, this time line tripped in 400 msec despite fseen in Zone-1 and SOTF also picked up. No LBB operated. At sterlite, no A/r			Yes	No	OPTCL	VEDANTA
31	220KV-SAHARSA-BEGUSARAI-1	13-07-2024	13:43	13-07-2024	14:23	Saharsa:B_N, 75.8 Km,1.098 kA	Begusarai : B_N	B-Earth	500	Tripped in zone 2 from saharsa. Carrier sent from Begusarai but not received at remote end. A/r successful from Begusarai.			Yes	Yes	PGER-1	BSPTCL

32	220KV- BUDHIPADAR- KORBA-1	13-07-2024	18:39	13-07-2024	23:03	Budhipadar : R_N,Ir-3.03 kA, 55.04 km		R- Ear th	100	Three phase tripping for single phase fault. OPTCL may explain.			Yes	NA	OPTC L	WR
33	220KV- BUDHIPADAR- RAIGARH-1	13-07-2024	19:01	14-07-2024	16:19	Budhipadar :R_N, 1.878 Km, 21.09 KA		R- Ear th	500	3 phase tripping for single phase fault at Budhipadar while tripped in zone-2 from Raigarh.			Yes	NA	OPTC L	WR

34	400KV-IBEUL-OPGC-1	13-07-2024	20:43	13-07-2024	21:39	IBEUL: R_N	OPGC: R_N	R-Earth	100	A/r attempt could not be ascertained from PMU. OPGC/IBEUL may explain.			No	No	IND-Bharat	OPGC
35	400KV-NEW PPSP-ARAMBAGH-1	14-07-2024	11:26	14-07-2024	11:47	NEW PPSP :R_N, 141.2 km	Arambagh: R-N, Ir:11.11 KA, 11.45 km.	R-Earth	100	A/R Successful at Arambagh end , while momentarily R_ph breaker at New PPSP closed after 1 second and tripped again. After 1.5 seconds all three phase at New PPSP			Yes	Yes	WBSE TCL	WBSE TCL

36	220KV-PATNA-KHAGAU-1	14-07-2024	13:35	15-07-2024	19:57	Patna: B_N, 8.7 km, 12.35 kA	Khagaul : B_N, Ib:8.735 KA, 16.56 km	B-Earth	100	A/r attempt failed after 1 second			Yes	No	PG ER-1	BSPTCL
37	400KV-JEERAT-SAGARDIGHI-1	14-07-2024	16:53	14-07-2024	17:51	Jeerat: Didn't trip	Sagardighi: DT received	No fault	NA	Tripped only from sagardighi on DT receipt. No fault observed from PMU.			No	No	WBSE TCL	WBPD CL



38	400KV-JEERAT-SAGARDIGHI-1	15-07-2024	01:10	15-07-2024	01:54	Jeerat: Didn't trip	Sagardighi: DT received	No fault	NA	Tripped only from sagardighi on DT receipt. No fault observed from PMU.			No	No	WBSE TCL	WBPD CL
39	400KV-MOTIHARI-GORAKHPUR-1	15-07-2024	04:30	15-07-2024	15:55	Motihari : B_N, IB= 9.54 KA, 8.2 km		B-Earth	100	A/R failed after 1 sec			Yes	NA	PG ER-1	NR

40	400KV-JEERAT-NEW CHANDITALA-1	16-07-2024	17:36	16-07-2024	18:03	Jeerat :- B-N, IB- 5.1 kA 59 Km.	New Chanditala : B-N, IB :6.38 kA 16.68 Km	B-Earth	100	3 phase tripping for single phase fault. A/r kept in non-auto mode for OPGW work.			Yes	Yes	WBSE TCL	WBSE TCL
41	400KV-NEW JEERAT-SUBHASGRAM(PG)-2	17-07-2024	01:54	17-07-2024	18:51	New Jeerat: R-N, IR=5.418 kA, 52.4 km	Subhasgram: R-N, IR=6.2 kA, 47 km	R-Earth	100	A/R failed after 1 sec	DR not time synchronized		Yes	Yes	PMJTL	PG ER-2

42	400KV- MEERAMUNDA LI-MENDHASAL- 1	17-07-2024	03:04	17-07-2024	19:20	Meramundali : Main-2 Protection Operated, Over Voltage Trip (Vbn= 386.5 )		O/ V St. 2	NA	B_ph voltage at Meramundali shot up to 386.5 kV gradually and O/V St.2 operated. OPTCL may explain.			Yes	Yes	OPTC L	OPTCL
43	220KV- MAITHON(PG)- DUMKA-1	18-07-2024	04:26	18-07-2024	14:43	Maithon: R- N, 6.164kA, 19.6km	Dumka: B-N, 1.45 kA, 49.41 km	R- Ear th	100	Three phase tripping at Maithon. Other two phase at Dumka tripped later on PD.	DR leng th less and not time syn chr oniz ed		Yes	Yes	PG ER- 1	JUSNL

44	400KV-JEERAT-NEW JEERAT-2	18-07-2024	13:29	18-07-2024	19:04	Jeerat: B_N, 6.16 kA, 19.6km,	New Jeerat: B_N, 4.40 Km, 17.2 2 KA	B-Earth	100	A/R failed after 1 sec		Unable to open DR due to some form at issue .	Yes	Yes	WBSE TCL	PMJTL
45	400KV-MEDINIPUR-NEW CHANDITALA-1	20-07-2024	11:59	20-07-2024	18:33	Medinipur: Y-N, 11.688kA, 10.20km	New Chanditala: Y_N, 2.6 KA, 79.3 Km	Y-Earth	100	A/R failed after 1 sec			Yes	Yes	PMJTL	WBSE TCL

46	400KV-MEDINIPUR-NEW CHANDITALA-2	20-07-2024	12:12	20-07-2024	22:19	Medinipur: Y-N, 3.077 KA, 71.5km,	New Chanditala: Y_N, 12.18 KA, 16.66 Km,	Y-Earth	100	A/R failed after 1 sec			Yes	Yes	PMJTL	WBSE TCL
47	220KV-NEW PURNEA-MADHEPURA-1	20-07-2024	15:07	20-07-2024	16:12		Madhepura: B-N, IB=0.5 kA, 77 km	B-Earth	100	A/R Successful from New Purnea end while line tripped in Zone-2 from Madepura End			Yes	No	PG ER-1	BSPTCL

48	220KV- PANDIABILI- PRATAPSASAN- 2	23-07-2024	00:19	23-07-2024	01:38		Pratapsa san- Bus PT burst	B- Ear th	100	Bus PT burst at Pratapsasan and bus bar protection operated.			No	Yes	PG Odis ha	OPTCL
49	220KV- PANDIABILI- PRATAPSASAN- 1	23-07-2024	00:19	23-07-2024	01:35		Pratapsa san- Bus PT burst	B- Ear th	100	Bus PT burst at PRATAPSAS AN,led to bus bar operation.			No	Yes	PG Odis ha	OPTCL

50	400KV- KOLAGHAT- NEW CHANDITALA-1	23-07-2024	12:25	23-07-2024	13:03	Kolaghat: Y- N, 11.31 KA, 13.9 Km	New Chandit ala: Y_N, 5.25 KA, 52.40 Km,	Y- Ear th	100	A/R failed after 1 second			No	Yes	WBP DCL	WBSE TCL
51	220KV- MAITHON- DHANBAD-1	23-07-2024	22:34	23-07-2024	23:13	Maithon: R- N,17.026 kA,5.873 km		R- Ear th	100	A/r successful from Dhanbad. Three phase tripping at Maithon.			Yes	No	PG ER- 2	DVC

52	400KV- ALIPURDUAR (PG)- JIGMELLING-2	24-07-2024	09:00	24-07-2024	09:28	Alipurduar: Didn't trip		No fault	NA	Line Tripped from Jigmelling end only due to some fault in Generator at Mangdechu. No fault in line.			NA	No	PG ER- 2	Bhutan
53	400KV- MALBASE- BINAGURI-1	25-07-2024	04:16	25-07-2024	14:43	Malbase: B- N, 171.2 km, IB-2.213 kA		B- Ear th	100	A/R failed after 1 second			Yes	Yes	Bhuta n	PG ER- 2



54	220KV-CHANDIL-RANCHI-1	25-07-2024	17:36	25-07-2024	18:44	Chandil: B_N, IB:1.25 kA, 61.2 km	Ranchi: B_N, 2.788 kA, 35.249 km	B-Earth	100	Three phase tripping at Chandil. A/r attempt failed after 1 second from Ranchi.	DR is not time synchronized, proper configuration		Yes	Yes	JUSNL	PG ER-1
55	220KV-RANCHI-MTPS(DVC)-1	25-07-2024	21:47	25-07-2024	23:00	Ranchi: R_N, 1.44 kA	Mejia: R_N, 1.46 kA, 118.37 km	R-Earth	100	A/r successful from Ranchi. A/r kept disabled at Mejia			Yes	No	PG ER-1	DVC

56	400KV- ALIPURDUAR (PG)- JIGMELLING-2	26-07-2024	11:36	26-07-2024	12:33		Jigmelli ng: R_N, R:4.28 KA,36.1 Km	R- Ear th	100	Zone-3 picked at Alipurduar and later DT received. Bhutan may explain.			Yes	Yes	PG ER- 2	Bhutan
57	220KV- MAITHON- DHANBAD-1	26-07-2024	17:47	26-07-2024	18:44	Maithon: R_N, 11 Km	Dhanba d: R_N , IR- 3.56 KA, 28.7 Km	R- Ear th	100	3 phase tripping for 1 phase fault			Yes	No	PG ER- 2	DVC

58	220KV- MAITHON- DHANBAD-1	27-07-2024	12:34	27-07-2024	13:13	Maithon:Y- N, 1.969 KA,41.84km	Dhanba d: B- N,5.04 kA, 5.5 km	B- Ear th	400	Tripped from Maithon End in zone 2 , Successful A/R from Dhanbad end			Yes	No	PG ER- 2	DVC
59	220KV- DARBHANGA (DMTCL)- MOTIPUR-2	27-07-2024	17:09	27-07-2024	18:04	Darbhang: Y- B, IY-3.2 kA, IB- 3.18 kA, 65 km		Y- B- Ear th	100	phase to phase fault			No	Yes	DMT CL	BSPTC L

60	220KV-KATAPALLI-BOLANGIR(PG)-1	28-07-2024	21:55	28-07-2024	22:31		Bolangir : R-N, 1.9 KA, 67 Km	R-Earth	100	A/r couldn't be ascertained from PMU. OPTCL/PG Odisha may explain.			No	No	OPTCL	PG Odisha
61	400KV-MEERAMUNDALI-JSPL-1	29-07-2024	09:41	29-07-2024	17:17	Meeramundali: B-N, 6.3 kA, 45.8km	JSPL: B-N	B-Earth	100	A/r failed after 1 second	The Time need to increase to 3 sec in DR		Yes	No	OPTCL	Jindal Steel

62	220KV-CHUKHA-BIRPARA-2	29-07-2024	16:00	29-07-2024	17:35	Chukha: Y-B, IY-3.85 kA, IB-2.78 kA, 18.31 km	Birpara: Y-B, Iy-2.68 kA, Ib-2.37 kA, 51.4 km	Y-B-Earth	100	phase to phase fault			Yes	Yes	Bhutan	PG ER-2
63	220KV-CHUKHA-BIRPARA-1	29-07-2024	16:00	29-07-2024	17:33	Chukha:Y-B, IY-3.39 kA, IB-2.89 kA, 18.595km	Birpara: Y-B, IY-2.72 kA, IB-2.36 kA, 51.71 km	Y-B-Earth	100	phase to phase fault			Yes	Yes	Bhutan	PG ER-2

64	400KV- ARAMBAGH- NEW CHANDITALA-1	29-07-2024	17:41	29-07-2024	18:27	Arambagh:B- N, 8.49 KA, 18.219 Km	New. Chandit ala : B- N,8.161 KA 30:17 Km,	R- Ear th	100	A/r kept in non- auto mode for OPGW work			Yes	Yes	WBSE TCL	WBSET CL
65	400KV- MOTIHARI- BARH-2	30-07-2024	17:44	30-07-2024	17:55	Motihari: DT received	Barh: Didn't trip	No faul t	NA	DT received at Motihari end. NTPC may explain.			Yes	Yes	DMTC L	NTPC

66	220KV-DALTONGUNJ-GARWAH (NEW)-2	31-07-2024	10:24	31-07-2024	12:09	Daltonganj: R-N, 2.94 kA, 31.4 Km	Garwah New: R_N, 55.43 km	R-Earth	100	A/R Successful , Tripped in reclaim time			Yes	Yes	JUSNL	PG ER-1
67	220KV-RANCHI-MTPS(DVC)-1	31-07-2024	13:07	31-07-2024	13:54		Mejia: R-N, 1.25 kA, 135.3 km	R-Earth	100	A/r succesful from Ranchi. A/r kept disabled at Mejia			Yes	No	PG ER-1	DVC

68	220KV-PUSAULI-NADHOKAR-1	31-07-2024	14:22	31-07-2024	15:23	Pusauli: Dt received	Nadokhar: Didn't trip	No fault	NA	Tripped only at Pusauli (PG) end upon receipt of DT from Nadhokar end . BSPTCL and Powergrid may explain			Yes	No	PG ER-1	BSPTCL
69	220KV-PATNA-FATUHA-1	31-07-2024	16:12	31-07-2024	16:40	Patna: R-N, 8.33 kA, 15.877 Km		R-Earth	100	Three phase tripping at Fatuah. A/r successful from both ends. However, during A/r at Fatuah Y_ph breaker didn't close.			Yes	No	PG ER-1	BSPTCL



