

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





## Eastern Regional Power Committee

14, गोल्फ क्लब रोड, टालीगंज, कोलकाता-700033

Tel. No.: 033-24239651,24239659 FAX No.:033-24239652, 24239653 Web: www.erpc.gov.in

सं./NO. पू.क्षे.वि.स./PROTECTION/2022/ | 5 € 4

दिनांक /DATE: 03.03.2022

सेवा में / To,

संलग्न सूची के अनुसार / As per list enclosed.

विषय : पू.क्षे.वि.स. की 112 वीं संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना ।

Sub: Notice for 112th Protection Coordination sub-Committee (PCC) meeting of ERPC.

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स की 112वीं पीसीसी बैठक 11 मार्च2022 (शुक्रवार) को 10:30 बजे से ऑनलाइन माइक्रोसॉफ्ट टीम्स मीटिंग प्लेटफॉर्म के माध्यम से आयोजित की जाएगी। मीटिंग लिंक ई-मेल या संदेश के माध्यम से अग्रेषित किया जाएगा।

Notice is hereby given that 112<sup>th</sup> PCC meeting of ERPC will be held on 11<sup>th</sup> March, 2022 (Friday) from 10:30 hrs through online Microsoft Teams meeting platform. The meeting link will be forwarded through e-mail or message.

चर्चा हेत् अस्थायी कार्यसूची बिन्दुएं निम्नानुसार होंगे :

The tentative agenda items for discussion will be as follows:

- 1) Confirmation of the minutes of 111th Protection sub-Committee Meeting of ERPC
- 2) Analysis of following grid disturbances of February, 2022:
- ➤ Disturbance at 220 kV Tenughat (TVNL) S/s on 04.02.2022 at 05:53 Hrs
- > Tripping of 220 kV Dumka-Godda line on 03.02.2022 at 07:37 hrs and 04.02.2022 at 02:30 hrs
- ➤ Disturbance at 220 kV Jayanagar(OPTCL) S/s on 27.02.2022 at 12:21 hrs.
- ➤ Disturbance at Teesta-V(NHPC) S/s on 02.02.2022 at 19:02 Hrs.
- Disturbance at 220 kV Rongnichu S/s on 09.02.2022 at 17:48 hrs.
- > Total Power failure at Teesta-III S/s on 25.02.2022 at 13:27 Hrs.
- 3) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 4) Single line tripping incidences of transmission elements for February 2022 as enclosed at **Annexure-I.**

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,

(पी.पी.जेना / P.P.Jena) Executive Engineer (PS)

कार्यपालक अभियंता(पी.एस)

## **LIST OF ADDRESSES:**

Chief Engineer (System Operation), SLDC, BSPTCL, Patna-800021 Chief Engineer (System Operation), SLDC, BSPTCL, Patna-800021 Chief Engineer (System Operation), SLDC, BSPTCL, Patna-800021 Chief Engineer (SLDC) Damodar Valley Corporation, GOMD-I Premises, P.ODaneshSchkl Lane, Howrah- 711109 Chief Engineer (CRITL) Bharkhand UrjaSancharan Nigam Limited Kusai Colony, Doranda, Ranchi-834002 Chief General Manager (O&M) OPTCL, Janpahs, Bhubbaneswar, Odisha – 751 022. FAX: 0674-2542932 cemonn@eoptle.coin Chief Load Dispatcher, SLDC OPTCL, P.O. Mancheswar Rly. Colony Bhubaneswar-751017 Chief Engineer (Testing) Chief Load Dispatcher, SLDC OPTCL, P.O. Mancheswar Rly. Colony Bhubaneswar-751017 Chief Engineer (Testing) WSESTCL, P.O. Danesh Sheikh Lane, AndulRoad, Howrah-711109  Chief Engineer (Testing) Sr. Manager (Testing) WSESTCL, P.O. Danesh Sheikh Lane, AndulRoad, Howrah-711109  Chief Engineer (Testing) Sr. Manager (Testing) WSESTCL A, SasiSekhar Bose Road, Kolkata-700091 (Fax no. 2367-3378/1235) Dy. Chief Engineer (Testing) Sr. Manager (Testing) WSESTCL LA, SasiSekhar Bose Road, Kolkata-700091 (Fax no. 2367-3378/1235) General Manager (O&M)  SSTPS, NTPC Lid., P.O. Naburun, PSTPS, NTPC Lid., P.O. Naburun, PSTPS, NTPC Lid., P.O. NTPC Barh, Bist, Parna, Bihar-803213 General Manager (O&M), STPS, NTPC Lid., P.O. NTPC Barh, Dist, Parna, Bihar-803213 General Manager (O&M), TSTPS, NTPC Lid., Chonyaklaiprakashbawan, (2w Floor), DakBunglowChawk, Patna-800001 Executive Director (O&M)  NHPC Lid., NHPC Office Complex, Sector-33, Faridabad, Haryana 121003 (Fax 01292772413) Dy. General Manager (OS), ERHQ-I, NTPC Lid., Chanapalli, Dist, Janarugudar-Roed, Alankar Place, Boring Engineer, TTPS, Tenughar Vidyu Nigam Lud.Lalpania, Dist. Bokaro, Janakhand Scilation, Power Corporation of India Ltd., Jells, Block-PP, Sector V.Salt Lake, Kolkata-9003 General Manager (OS), ERI Opewer Ord Corporation of India Ltd., Jells, Block-PP, Sector V.Salt Lake, Kolkata-910 General Manager (OS), ERI Opewer Ord Corporation of India Ltd., Jells, Block-PP, Sec		
VidyutBhawan, Bailey Road, Patna-800021	Chief Engineer, Trans (O&M)	Electrical Supeeerintending Engineer (CRITL)
Chief Engineer (SJ.DC)	Bihar State Power Transmission Limited,	Bihar State Power Transmission Limited,
BSPTCL, Patna-800021   Chief Engineer (SLDC)   Damodar Valley Corporation, GOMD-I Premises, P.O DameshSeikh Lane, Howrah-711109   Chief Engineer, (CRTL)   Dharkhand UrjaSancharan Nigam Limited Kusai Colony, Doranda, Ranchi-834002   Chief General Manager (O&M), OPTCL, Janpath, Bhubaneswar, Odisha – 751 022. FAX. 0674-2542932   cgm.omm@optel.co.in	VidyutBhawan, Bailey Road, Patna-800021	VidyutBhawan,Bailey Road, Patna-800021
Chief Engineer (CTC)   Damodar Valley Corporation, GOMD-I Premises, P.O DaneshSeikh Lane, Howrah 711109   Damodar Valley Corporation, P.O. Maithon Dam, Dist. Dhanbad, Jharkhand Jrakancharan Nigam Limited Hurshand UrjaSancharan Nigam Limited Hurshand UrjaSancharan Nigam Limited Hurshand UrjaSancharan Nigam Limited, Kusai Colony, Doranda, Ranchi-834002   Electrical Superintending Engineer (CLD)   Harkhand UrjaSancharan Nigam Limited, Kusai Colony, Doranda, Ranchi-834002   Chief General Manager (O&M), OPTCL, Janpath, Bhubaneswar, Odisha – 751 022. FAX: 0674-2542932   Egmonnm@ornel.co.in   Chief Load Dispatcher, SLDC   OPTCL, P.O. Mancheswar Rly, Colony   Chief Engineer (Testing), WBSETCL   Chief Engineer (Testing), WBSETCL   Chief Engineer (Testing)   WBSETCL, P.O.Danesh Sheikh Lane, AndulRoad, Howrah-711109   Addl. Chief Engineer (ALDC)   West Bengal Electricity Distribution Company Ltd VidyutBhavan, 7* Floor, Bidhannagar, Sector-1-Salt Lake City, Kolkata-700091 (Fax no. 2367-3578/1235)   Chief Engineer (Testing) / Sr. Manager (Testing)   West Bengal Electricity Distribution Company Ltd VidyutBhavan, 7* Floor, Bidhannagar, Sector-1-Salt Lake City, Kolkata-700091 (Fax no. 2367-3578/1235)   Chief Engineer (Testing) / Sr. Manager (Testing)   West Bengal Electricity Distribution Company Ltd VidyutBhavan, 7* Floor, Bidhannagar, Sector-1-Salt Lake City, Kolkata-700091 (Fax no. 2367-3578/1235)   Chief Engineer (Testing) / Sr. Manager (Testing)   West Bengal Pat-2236   General Manager (O&M)   Chief Complex, Sector-33, Braidabad, Haryana-121003 (Fax-0192272413)   Dy. General Manager (Electrical)   General Manager (Electrical)   General Manager (Fox) ERROL, NIPC Ltd., LoknayaklajnrakashBhawan (2"6 Floor)   General Manager (Electrical)   General Manager (Fox) ERROL, NIPC Ltd., LoknayaklajnrakashBhawan (2"6 Floor)   General Manager (Fox) ERROL, NIPC Ltd., LoknayaklajnrakashBhawan (2"6 Floor)   General Manager (Fox) ERROL, NIPC	Chief Engineer( System Operation), SLDC,	
Damodar Valley Corporation, GOMD-1 Premises, P.O DaneshSeikh Lane, Howrah-711109	BSPTCL, Patna-800021	
Damodar Valley Corporation, GOMD-1 Premises, P.O DaneshSeikh Lane, Howrah-711109	Chief Engineer (SLDC)	Chief Engineer (CTC)
P.O. DaneshScikh Lane, Howrah-711109 Chief Engineer, (CRITL) Jharkhand UrjaSancharan Nigam Limited Kusai Colony, Doranda, Ranchi-834002 Chief General Manager (O&M), OPTCL, Janpath, Bhubaneswar, Odisha −351 022. FAX: 0674-2542932 egm.onm@optel.co.in Chief Load Dispatcher, SLDC Chief Engineer (CLD) WBSETCL, P.O. Danesh Sheikh Lane, AndulRoad, Howrah-711109 WBSETCL, P.O. Danesh Sheikh Lane, AndulRoad, Howrah-711109 WSSETCL, P.O. Danesh Sheikh Lane, AndulRoad, Howrah-711109 VidyutBhavan, 7th Floor, Bidhanager, Coloxy Dy. Chief Engineer (Testing) Sr. Manager (Testing) CESC Ltd., 4, SasiSckhar Bose Road, Kolkata-700025 General Manager (O&M) FSTPS, NTPC Ltd., P.O. Nabarun, Dist. Murshidabad, West Bengal-742236 General Manager (O&M) Salt Lake-Ill, Kolkata-700091 (Fax o33-2334-5862) General Manager (O&M) General Manager (O&M) Barh STPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213 General Manager (O&M), TSTPS, NTPC Ltd., P.O. Kamiba, Dist. Angul, Orissa-759117 General Manager (O&M), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar −751007 General Manager (O&M), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar −751007 Eeneral Manager (O&M), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar −751007 Eeneral Manager (O&M), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar −751007 Eeneral Manager (O&M), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar −751007 Eeneral Manager (OS), ER-II Power Opelt, Govt. of Sikkim, Gangtok-731010 Executive Director (O&M) BT Termal Power Station, OPCCL Banhapalli, Dist. Harsuguda-768234, Orissa Chief Engineer (Trans.) Power Grid Corporation of India Ltd., J-1-15, Block-EP, Sector-V, Salt Lake, Kolkata-700033 General Manager (ECC, Dr.) CPC Ld., Kanchanjunga Bidg., 18, Barakhamba Road, New Delhi-110001 Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.  Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.		
Electrical Superintending Engineer (CLD)	* *	· ·
Bharkhand UrjaSancharan Nigam Limited   Kusai Colony, Doranda, Ranchi-834002		
Kusai Colony, Doranda, Ranchi-834002   Chief General Manager (O&M), OFTCL, Janpath, Bhubaneswar, Odisha – 751 022, FAX: 0674-2542932   Cgm.onm@optel.eo.in   Chief Load Dispatcher, SLDC   OPTCL, P.O. Mancheswar Rly. Colony   Bldg. VaniviharChowk, Janpath, Bhubaneswar-752022   Chief Engineer (CLD)   Kolkata-700091 (Fax no. 2367-3578/1235)   Addl. Chief Engineer (CLD)   WSEFTCL, P.O. Danesh Sheikh Lane, AndulRoad, Howrah-711109   Addl. Chief Engineer (ALDC)   West Bengal Electricity Distribution Company Ltd VidyutBhavan, 7th Toor, Bidhannagar, Sector-1   Salt Lake City, Kolkata-700091 (Fax-033-2334-5862)   Ceneral Manager (O&M)   St. Manshidabad, West Bengal-742236   Salt Lake City, Kolkata-700091 (Fax-033-2334-5862)   Ceneral Manager (D&M)   Dy. General Manager (D&M)   Dy. General Manager (D&M)   Dy. General Manager (D&M)   General Manager (D&M)   General Manager (D&M)   General Manager (D&M)   General Manager (D&M), TSTPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213   General Manager (O&M), TSTPS, NTPC Ltd., P.O. NTPC Barh, Dist. Mushladabad, West Bengal-742236   General Manager (D&M), TSTPS, NTPC Ltd., P.O. NTPC Barh, Dist. Mushladabad, West Bengal-742236   General Manager (D&M), TSTPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213   General Manager (D&M), TSTPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213   General Manager (O&M), TSTPS, NTPC Ltd., P.O. Kamiha, Dist. Angul, Orissa-759117   General Manager (D&M), TSTPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213   General Manager (D&M), TSTPS, NTPC Ltd., P.O. NTPC Barh, Dist. Mushladabad, West Bengal-742236   General Manager (D&M), TSTPS, NTPC Ltd., P.O. NTPC Barh, Dist. Mushladabad, Haryana-121003 (Fax-01292272413)   General Manager (D&M), TSTPS, NTPC Ltd., P.O. NTPC Barh, Dist. Mushladabad, Haryana-121003 (Fax-01292272413)   General Manager (Bectricia)   Brhermal Power Station, OPGCL Banhapalli, Dist. Jharsuguda-768234, Orissa   General Manager (D&M), TSTPS, NTPC Ltd., Poly Projects, Saith Nagar, Bribusnit S Ghosh Maithon P		
Chief General Manager (O&M), OPTCL, Janpath, Bhubaneswar, Odisha − 751 022. FAX: 0674-2542932  sgm.onm@optcl.co.in Chief Load Dispatcher, SLDC OPTCL, P.O. Mancheswar Rly. Colony Bhubaneswar-751017 Chief Engineer (CLD) WBSETCL, P.O. Danesh Sheikh Lane, AndulRoad, Howrah-711109 WBSETCL, P.O. Danesh Sheikh Lane, AndulRoad, Howrah-711109 Dy. Chief Engineer (Testing)/ Sr. Manager (Testing) CESC Ltd., 4, SasiSekhar Bose Road, Kolkata-700025 General Manager (O&M) SFSTPS, NTPC Ltd., P.O. Nabarun, Dist. Murshidabad, West Bengal-742236 General Manager (O&M) Bryth Strys, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bibar-803213 General Manager (O&M) Salt Lake. III, Kolkata-700098 (Fax-033-23350516) General Manager (O&M) General Manager (O&M) Salt Lake. III, Kolkata-700098 (Fax-033-23350516) General Manager (O&M) General Manager (O&M) Sharh STPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bibar-803213 General Manager (O&M) Sharh STPS, NTPC Ltd., P.O. NTPC Ltd., P.O.Kaniha, Dist. Angul, Orissa-759117 General Manager (OS, ERH] Central Manager (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-0129272413) Dy. General Manager (Trans.) Oy. General Manager (Trans.) Oy. General Manager (OS, ER-II B Thermal Power Station, OPGCI. Banhapalli, Dist. Jharsuguda-768234, Orissa Chief Engineer (Trans.) Oy. General Manager (OS, ER-II Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001 Sr. Manager (CT, Dr. Waspar) Sr. Manager (CT, Dr. Waspar) Manager (OS), ER-II Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001 Sr. Manager (P&O, PTC Ltd., Kanchanjunga Bldg., 18, Barakhamba Road, New Delhi-110001 Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.  Swociate Director (Commercial and Regulatory) ShriBrajesh Kumar Pande, Plant Head, JTTPL.		
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OPTCL, P.O. Mancheswar Rly, Colony Bhubaneswar-751017		Chief Engineer (Testing) WRSETCI
Bhubaneswar-751017	_	
Chief Engineer (CLD) WBSETCL, P.O.Danesh Sheikh Lane, AndulRoad, Howrah-711109 West Bengal Electricity Distribution Company Ltd VidyulBavan, 7th Floor, Bidhannagar, Sector-1 Salt Lake City, Kolkata-700091 (Fax-033-2334-5862) Dy. Chief Engineer (Testing) CFSC Ltd., 4, SasiSekhar Bose Road, Kolkata-700025 General Manager (O&M) STPS, NTPC Ltd., P.O. Deepti Nagar, Dist. Bhagalpur, Bihar-813203 Dy. General Manager (Engineering), Salt Lake-III, Kolkata-700098 (Fax-033-23350516) General Manager (O&M) General Manager (O&M) General Manager (O&M), TSTPS, NTPC Ltd., P.O. Kaniha, Dist. Angul, Orissa-759117 General Manager (O&M), TSTPS, NTPC Ltd., LoknayakJaiprakashBhawan, (2nd Floor), DakBunglowChawk, Patna-800001 Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413) Dy. General Manager (Electrical) B Thermal Power Station, OPGCL Banhapalli, Dist. Jharsuguda-768234, Orissa Chief Engineer (Trans.) Power Deptt., Govt. of Sikkim, Gangtok-731010 Executive Director, Exchanger (Trans.) Power Opett., Govt. of Sikkim, Gangtok-731010 Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033 General Manager (OS), ER-II Power Grid Corporation of India Ltd., J-1-15, Block-EP, Sector-V, Salt Lake, Kolkata-91 General Manager (DS), ER-II Power Grid Corporation of India Ltd., J-1-15, Block-EP, Sector-V, Salt Lake, Kolkata-91 Associate Director (Commercial and Regulatory) ShriBrajesh Kumar Pande, Plant Head, JTPL.		
WBSETČL, P.O.Danesh Sheikh Lane, AndulRoad, Howrah-711109  West Bengal Electricity Distribution Company Lid VidyutBhavan, 7th Floor, Bidhannagar, Sector-1 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) FSTPS, NTPC Ltd., P.O. Nabarun, Dist. Murshidabad, West Bengal-742236  General Manager (C&M) Barh STPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213  General Manager (OS), ERHQ-II, NTPC Ltd., 3th Clare Bhubaneswar - 751 007  General Manager (O&M), TSTPS, NTPC Ltd., P.O. Kaniha, Dist. Angul, Orissa-759117  General Manager (O&M), TSTPS, NTPC Ltd., LoknayakJaiprakashBhawan, (2th Floor), DakBunglowChawk, Patna-800001  Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413) Dy. General Manager (Electrical) B Thermal Power Station, OPGCL Banhapalli, Dist. Jharsuguda-768234, Orissa Chief Engineer (Trans.) Dy. General Manager (OS), ER-I Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001  Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033  Bridakad, Haryana-121003 (Fax-01292272413) Dy. General Manager (OS), ER-I Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001  Executive Director, Str. Manager (CTMC) Durgapur Projects Limited, Durgapur-713201  Executive Director, Str. Manager (CTMC) Durgapur Projects Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207  General Manager (OS), ER-II Head –Regulatory and contracts, IndiGrid Limited Power Grid Corporation of India Ltd., 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  Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.  Associate Director (Commercial and Regulatory)  ShriBarajesh Kumar Pande, Plant Head, JTPL.		· · · · · · · · · · · · · · · · · · ·
AndulRoad, Howrah-711109  VidyutBhavan, 7th Floor, Bidhannagar, Sector-I Salt Lake City, Kolkata-70091(Fax-033-2334-5862)  Dy. Chief Engineer (Testing)/ Sr. Manager (Testing)  CESC Ltd., 4, SasiSekhar Bose Road, Kolkata-700025  General Manager (O&M)  FSTPS, NTPC Ltd., P.O. Nabarun, Dist. Bhagalpur, Bihar-813203  General Manager (Deminager (O&M)  Barh STPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213  General Manager (O&M), TSTPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213  General Manager (O&M), TSTPS, NTPC Ltd., P.O. Nabarun, Dist. Angul, Orissa-759117  General Manager (OS), ERHQ-I, NTPC Ltd., LoknayakJaiprakashBhawan, (2nd Floor), DakBunglowChawk, Patna-800001  Executive Director (O&M)  NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413)  Dy. General Manager (Electrical)  B Thermal Power Station, OPGCL  Banhapalli, Dist. Jharsuguda-768234, Orissa  Chief Engineer (Trans.)  Ower Deptt., Govt. of Sikkim, Gangtok-731010  Executive Director, Eglacy, Follow, Patna-800001  Exeloctive Director, Eglacy, Follow, Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001  Excutive Director, Tellow, Follow, Power Cimplex, Schibiton Power Limited, Maiton Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207  General Manager (P&O), PTC Ltd., P.O. Box-1351, Thimpu, Bhutan.  Associate Director, Commercial and Regulatory)  ShiriBrajesh Kumar Pande, Plant Head, JITPL.		
Salt Lake City, Kolkata-700091 (Fax-033-2334-5862)  Dy. Chief Engineer (Testing)		
Dy. Chief Engineer (Testing)/ Sr. Manager (Testing) CESC Ltd., 4, SasiSckhar Bose Road, Kolkata-700025  General Manager (O&M) FSTFS, NTPC Ltd., P.O. Nabarun, Dist. Murshidabad, West Bengal-742236 General Manager (O&M) Barh STPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213 General Manager (O&M) Barh STPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213 General Manager (O&M) Barh STPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213 General Manager (O&M) General Manager (O&M), TSTPS, NTPC Ltd., P.O. Kaniha, Dist. Angul, Orissa-759117 General Manager (OS), ERHQ-I, NTPC Ltd., LoknayakJaiprakashBhawan, (2nd Floor), DakBunglowChawk, Patna-800001 Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413) Dy. General Manager (Electrical) B Thermal Power Station, OPGCL Banhapalli, Dist. Jharsuguda-768234, Orissa Chief Engineer (Trans.) Power Deptt., Govt. of Sikkim, Gangtok-731010 Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033 General Manager (P&O), PTC Ltd., Dower Grid Corporation of India Ltd., J-1-15, Block-EP, Sector-V, Salt Lake, Kolkata-91 General Manager (P&O), PTC Ltd., Asnchanjunga Bldg., 18, Barakhamba Road, New Delhi-110001 Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan. Associate Director (Commercial and Regulatory)  Director (Commercial and Regulatory)  General Manager (Paco, Pric Ltd., Alankar Place, Boring Road, Patna-800001 Sr. Managing Director, Druk Green Power Corpora. P.O. Box-1351, Thimpu, Bhutan. Associate Director (Commercial and Regulatory)	Andunixuau, muwrall-/11109	
CESC Ltd. 4, SasiSekhar Bose Road, Kokata-700025	Dy Chief Engineer (Testing) / Sr. Manager (Testing)	
Solkata-700025   Dist. Bhagalpur, Bihar-813203     General Manager (O&M)   FSTPS, NTPC Ltd., P.O. Nabarun, Dist. Murshidabad, West Bengal-742236   Salt Lake-III, Kolkata-700098 (Fax-033-23350516)     General Manager (O&M)   General Manager (O&M)   General Manager (O&M), TSTPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213   Bhubaneswar-751012 (Fax No. 0674-2540919)     General Manager (O&M), TSTPS, NTPC Ltd., P.O.Kaniha, Dist. Angul, Orissa-759117   General Manager (O&M), TSTPS, NTPC Ltd., LoknayakJaiprakashBhawan, (2nd Floor), DakBunglowChawk, Patna-800001   Fax No. 033-2289 0285)     Executive Director (O&M)   Electrical Number of Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413)   Dy. General Manager (Electrical)   General Manager (Electrical)   General Manager (Electrical)   General Manager (OS), ER-I   Power Grid Corporation, OPGCL   Banhapalli, Dist. Jharsuguda-768234, Orissa   Chief Engineer (Trans.)   General Manager (OS), ER-I   Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001   Sr. Manager (CTMC)   Durgapur Projects Limited, Durgapur-713201   Sr. Manager (CTMC)   Durgapur Projects Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207   Head -Regulatory and contracts, IndiGrid Limited		
General Manager (O&M) FSTPS, NTPC Ltd., P.O. Nabarun, Dist, Murshidabad, West Bengal-742236 General Manager (O&M) Barh STPS, NTPC Ltd., P.O. NTPC Barh, Dist, Patna, Bihar-803213 General Manager (O&M), TSTPS, NTPC Ltd., P.O. Kaniha, Dist. Angul, Orissa-759117 General Manager (OS), ERHQ-I, NTPC Ltd., LoknayakJaiprakashBhawan, (2nd Floor), DakBunglowChawk, Patna-800001 Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413) Dy. General Manager (Engineering), WBPDCL, OS Dept. Corporate Office, 3/C, LA Block, Salt Lake-III, Kolkata-700098 (Fax-033-23350516) General Manager (OS), ERHQ-I, NTPC Ltd., Dknanger (D&M), TSTPS, NTPC Ltd., P.O. Kaniha, Dist. Angul, Orissa-759117 General Manager (OS), ERHQ-I, NTPC Ltd., LoknayakJaiprakashBhawan, (2nd Floor), DakBunglowChawk, Patna-800001 Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413) General Manager (OS), ER-I Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-80001 Shri A.K. Nayak/ShriSumit S Ghosh Maithon Power Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207 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  Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.  Associate Director (Commercial and Regulatory)  Salt Lake-III, Kolkata-700098 (Fax-033-22350516) General Manager (O&M), POPC Ltd., Alankar-Blace-III, Kolkata-70009, FTC Ltd., Alankar Place, Boring Road, Patna-800001  Shri A.K. Nayak/ShriSumit S Ghosh Maithon Power Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207  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  Managing Director, Bhutan Power Corporation P.O.		1
FSTPS, NTPC Ltd., P.O. Nabarun, Dist. Murshidabad, West Bengal-742236   Salt Lake-III, Kolkata-700098 (Fax-033-23350516)   General Manager (O&M)   General Manager (O&M, P.O. NTPC Barh, Dist. Patna, Bihar-803213   Bhubaneswar-751012 (Fax No. 0674-2540919)   General Manager (O&M), FSTPS, NTPC Ltd., P.O. Kaniha, Dist. Angul, Orissa-759117   General Manager (O&M), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar - 751 007   General Manager (O&M), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar - 751 007   Manager (Electrical), Adhunik Power & Natural Resources Ltd. "Lansdowne Towers, Kolkata-700020 (Fax No. 033-2289 0285)   Electrical Superintending Engineer, TTPS, TenughatVidyut Nigam Ltd., Lalpania, Dist. Bokaro, Jharkhand-829149   General Manager (OS), ER-I Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001   Sr. Manager (CTMC)   Durgapur Projects Limited, Durgapur-713201   Sr. Manager (CTMC)   Durgapur Projects Limited, Durgapur-713201   Shria. K. Nayak/ShriSumit S Ghosh Maithon Power Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207   Head -Regulatory and contracts, IndiGrid Limited . 247 Embassy, Office No 107; 'B' Wing, Hindustan Co. J-I-15, Block-EP, Sector-V, Salt Lake, Kolkata-91   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.   Associate Director (Commercial and Regulatory)   ShriBrajesh Kumar Pande, Plant Head, JITPL.		
Dist. Murshidabad, West Bengal-742236 General Manager (O&M) Barh STPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213 General Manager(O&M), TSTPS, NTPC Ltd., P.O. Kaniha, Dist. Angul, Orissa-759117 General Manager (OS), ERHQ-I, NTPC Ltd., LoknayakJaiprakashBhawan, (2nd Floor), DakBunglowChawk, Patna-800001 Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413) Dy. General Manager (Electrical) BT Hermal Power Station, OPGCL Banhapalli, Dist. Jharsuguda-768234, Orissa Chief Engineer (Trans.) Power Deptt., Govt. of Sikkim, Gangtok-731010 Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033 General Manager (OS), ERIG. Down Corporation of India Ltd., Jenshard-829149 Durgapur Projects Limited, Durgapur-713201 Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033 General Manager (OS), ERIG. Down Corporation of India Ltd., Jenshard-829149 Durgapur Projects Limited, Durgapur-713201 Executive Director, Durgapur Projects Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207 General Manager (OS), ER-II Power Grid Corporation of India Ltd., Jenshard-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  Salt Lake-III, Kolkata-70003, 'ERHC-II, NTPC Ltd., Albura Power (OS), PTC Ltd., Managing Director, Bhutan Power Corporation Projects, Sahid Nagar, LB.S. Road, Vikhroli West, Mumbai – 400 079. Ph: +91 845509 96408  Salt Lake-III, Kolkata-700, CIC Bhubanes and Park Plant Head, JITPL.		
General Manager (O&M) Barh STPS, NTPC Ltd., P.O. NTPC Barh, Dist. Patna, Bihar-803213 General Manager (O&M), TSTPS, NTPC Ltd., P.O.Kaniha, Dist. Angul, Orissa-759117 General Manager (O&M), TSTPS, NTPC Ltd., LoknayakJaiprakashBhawan, (2nd Floor), DakBunglowChawk, Patna-800001 Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413) Dy. General Manager (Electrical) By General Manager (Electrical) Dy. General Manager (Electrical) Chief Engineer (Trans.) Power Deptt., Govt. of Sikkim, Gangtok-731010 Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033 General Manager (OS), ERHQ-II, NTPC Ltd., Alankar Place, Boring Road, Patna-80001 Sr. Manager (Electrical) Jharkhand-829149 General Manager (OS), ER-I Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001 Sr. Manager (CTMC) Durgapur Projects Limited, Durgapur-713201 ShriA.K.Nayak/ShriSumit S Ghosh 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.  Associate Director (Commercial and Regulatory)  General Manager (OS), ERHQ-II, N17PC Ltd., CLC Building, Plot no. N 17/2, Nayapallit, Unit-8 Bhubaneswar-751012 (Fax No. 037-2540919) General Manager (D&M), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar -751 007  Manager (Electrical), Adhunik Power & Natural Resources Ltd. "Lansdowne Towers, Kolkata-700020  (Fax No. 033-2289 0285)  Electrical Superintending Engineer, TTPS, TenughatVidyut Nigam Ltd., Lalpania, Dist. Bokaro, Jharkhand-829149  General Manager (OS), ER-I Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001  Sr. Manager (CTMC) Durgapur Projects Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207  General Manager (OS), FR-II Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001  Martin Pro		
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Dist. Patna, Bihar-803213  General Manager(O&M), TSTPS, NTPC Ltd., P.O.Kaniha, Dist. Angul, Orissa-759117  General Manager (OS), ERHQ-I, NTPC Ltd., LoknayakJaiprakashBhawan, (2nd Floor), DakBunglowChawk, Patna-800001  Executive Director (O&M)  NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413)  Dy. General Manager (Electrical) B Thermal Power Station, OPGCL Banhapalli, Dist. Jharsuguda-768234, Orissa  Chief Engineer (Trans.) Power Deptt., Govt. of Sikkim, Gangtok-731010  Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033  General Manager (OS), ER-II Power Grid Corporation of India Ltd., J-1-15, Block-EP, Sector-V,Salt Lake, Kolkata-91  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.  Bhubaneswar-751012 (Fax No. 0674-2540919)  General Manager (O&M), POWERGRID, Odisha Projects, Sahid Nagar, Co.MM), POWERGRID, Odisha Projects, Sahid Nagar, Post David Nagar, L.B.s. Road, Vikhroli West, Mumbai – 400 079. Ph: +91 845509 96408  Bhubaneswar-751012 (Fax No. 0674-2540919)  General Manager (O&M), POWERGRID, Odisha Projects, Sahid Nagar, Co.MM), Power & Natural Resources Ltd. "Lansdowne Towers & Natural Resources Ltd. "Lansdowne Towers, Kolkata-70020  (Fax No. 033-2289 0285)  Electrical Superintending Engineer, TTPS, TenughatVidyut Nigam Ltd., Lalpania, Dist. Bokaro, Jharkhand-829149  General Manager (OS), ER-I Power Grid Corporation of India Ltd., Jankar Place, Boring Road, Patna-800001  Sr. Manager (CTMC) Durgapur Projects Limited, Durgapur-713201  Spri Ak.K.nyak/Shrisumit S Ghosh Maithon Power Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207  General Manager (OS), ER-II Head –Regulatory and contracts, IndiGrid Limited  Head –Regulatory and contracts, IndiGrid Limited  Bus Stop, Gandhi Nagar, L.B.S. Road, Vikhroli West, Mumbai – 400 079. Ph: +91 845509 96408  Managing Director, Druk Green Power Corporation  Managing Director,		
General Manager (O&M), TSTPS, NTPC Ltd., P.O.Kaniha, Dist. Angul, Orissa-759117  General Manager (OS), ERHQ-I, NTPC Ltd., LoknayakJaiprakashBhawan, (2nd Floor), DakBunglowChawk, Patna-800001  Executive Director (O&M)  NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413)  Dy. General Manager (Electrical) B Thermal Power Station, OPGCL Banhapalli, Dist. Jharsuguda-768234, Orissa Chief Engineer (Trans.) Power Deptt., Govt. of Sikkim, Gangtok-731010  Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033  General Manager (OS), ER-II Power Grid Corporation of India Ltd., J-I-15, Block-EP, Sector-V,Salt Lake,Kolkata-91 General Manager (P&O), PTC Ltd., Kanchanjunga Bldg.,18, Barakhamba Road, New Delhi-110001  Associate Director (Commercial and Regulatory)  General Manager (O&M), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar - 751 007  Managing Director, Adhunik Power & Natural Resources Ltd. "Landowne Towers, Kolkata-700020 (Fax No. 033-2289 0285)  Bectrical Superintending Engineer, TTPS, TenughatVidyut Nigam Ltd.,Lalpania, Dist. Bokaro, Jharkhand-829149  General Manager (OS), ER-I Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001  Shrila, K.Nayak/ShriSumit S Ghosh Maithon Power Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207  Head –Regulatory and contracts, IndiGrid Limited 2, 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  Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.  Associate Director (Commercial and Regulatory)  ShriBrajesh Kumar Pande, Plant Head, JITPL.		
P.O.Kaniha, Dist. Angul, Orissa-759117  General Manager (OS), ERHQ-I, NTPC Ltd., LoknayakJaiprakashBhawan, (2nd Floor), DakBunglowChawk, Patna-800001  Executive Director (O&M)  NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413)  Dy. General Manager (Electrical)  B Thermal Power Station, OPGCL Banhapalli, Dist. Jharsuguda-768234, Orissa  Chief Engineer (Trans.)  Power Deptt., Govt. of Sikkim, Gangtok-731010  Executive Director, Coy, Ser. II  Power Grid Corporation of India Ltd., J-1-15, Block-EP, Sector-V, Salt Lake, Kolkata-91  General Manager (OS), ER-II  Power Grid Corporation of India Ltd., J-1-15, Block-EP, Sector-V, Salt Lake, Kolkata-91  Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.  Associate Director (Commercial and Regulatory)  Projects, Sahid Nagar, Bhubaneswar - 751 007  Manager (Electrical), Adhunik Power & Natural Resources Ltd. "Lansdowne Towers, Kolkata-700020 (Fax No. 033-2289 0285)  Electrical Superintending Engineer, TTPS, TenughatVidyut Nigam Ltd., Lalpania, Dist. Bokaro, Jharkand-829149  General Manager (OS), ER-I Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001  Sr. Manager (CTMC) Durgapur Projects Limited, Durgapur-713201  ShriA.K.Nayak/ShriSumit S Ghosh Maithon Power Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207  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  Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.  Associate Director (Commercial and Regulatory)  ShriBrajesh Kumar Pande, Plant Head, JITPL.		
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110066	

## List of important transmission lines in ER which tripped in February-2022

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/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END	LOCAL END UTILITY	REMOTE END UTILITY
1	220 KV BOALNGIR(PG)-BOLANGIR(NEW)	01-02-2022	12:22	01-02-2022	13:23	-	Bolangir (New): PD relay operated	No fault	NA	Details may be shared by OPTCL		No	PG Odisha Projects	OPTCL
										Loose contact in C&R panel			PG ER-1	JUSNL
2	220 KV CHAIBASA(PG)-CHAIBASA-1	01-02-2022	12:24	01-02-2022	13:56	PG: Didn't trip	CT SF6 relay operated	No fault	NA	Loose contact in C&R panel	NA	Yes	PG ER-1	JUSNL
3	221 KV CHAIBASA(PG)-CHAIBASA-1	01-02-2022	15:31	01-02-2022	15:57	PG: Didn't trip	CT SF6 relay operated	No fault	NA		NA	Yes		
4	400 KV DSTPS-JAMSHEDPUR-1	02-02-2022	00:08	02-02-2022	00:28	DSTPS: Didn't trip	Jamshedpur: DT received	No fault	NA	Details may be shared by PG and DVC	No	No	DVC	PG ER-1
5	400 KV MOTIHARI-GORAKHPUR-2	03-02-2022	22:54	04-02-2022	00:27	Motihari: Y_N, Zone-2 153 km, 2. 02 kA	-	Y-Earth	100	As per PMU, A/r successful. Tripped again within reclaim time	No	NA	DMTCL	NR
_	220 KV DARBHANGA (DMTCL)-MOTIPUR-I	03-02-2022	23:11	04-02-2022	16:41		Motipur: B_N, 2.33 kA, 86.4 km	B-Earth	100	No A/r attempt. DMTCL/BSPTCL may explain	No	No	DMTCL	BSPTCL
0	220 KV DAKBHANDA (DMTCL)-MOTIFOK-1	03-02-2022	23.11	04-02-2022	10.41	Gaya: Y_B, Iy:12.18 kA, Ib: 12.13 kA, 39		B-Eatti	100	схрын	140	NO	PG ER-1	DVC
7	400 KV GAYA-KODERMA-1	04-02-2022	03:57	04-02-2022	18:58	km	Ib: 5.59 kA, 89 km	Y_B	100	Phase to phase fault	Yes	No	PG ER-1	PG ER-2
8	400 KV GAYA-MAITHON-2	04-02-2022	03:58	04-02-2022	19:17	Gaya: R_Y, Zone 1, Ir: 14.7 kA, Iy: 14.4 kA 29.9 km	Maithon: R_Y, Zone-1, Ir=Iy=2.14 kA, 254.4 km	R_Y	100	Phase to phase fault	Yes	Yes	PG Odisha	
9	400 KV JHARSUGUDA-STERLITE-2	04-02-2022	04:11	04-02-2022	04:50	Jharsuguda: Didn't trip	Sterlite: B_N, 139 km, 1.9 kA, Zone-3	No fault	NA	Fault in adjacent line. Zone-3 time delay was set at 60 msec at Sterlite. Rectified now.	NA	No	Projects	Sterlite
10	400 KV NEW PURNEA-BIHARSHARIF-1	04-02-2022	05:10	04-02-2022	05:28	New Purnea: B_N, Zone-1, 97.4 km, 6.0 kA A/r successful	Biharsharif: B_N, Zone-1, 56.06 km, 5.97 kA	B-Earth	100	No A/r attempt at Biharsharif	Yes	Yes	PG ER-1	PG ER-1
11	400 KV BINAGURI-RANGPO-1	04-02-2022	10:18	04-02-2022	14:30	Binaguri: B_N, 56.7 km, 8.38 kA, A/r successful	Rangpo: B_N, 3.09 kA	B-Earth	600	tie bay opened at Binaguri during first instance of tripping. A/r successful from both ends. Tripped again within reclaim time.	Yes	Yes	PG ER-2	PG ER-2
		04-02-2022	11:06	04-02-2022	20.12		Sagardighi: B_N, 22.27 kA, 7.35 km	B-Earth	400		,		PG ER-2	WBPDCL
12	400 KV BAHARAMPUR-SAGARDIGHI-2				20:12	Baharampur: B_N, 7.07 kA, 15.44 km	7.33 KIII		100	A/r attempt failed from both ends  Other two phase at Muzaffarpur tripped	Yes	Yes	PG ER-1	NR
13	400 KV MUZAFFARPUR-GORAKHPUR-1	04-02-2022	11:44	04-02-2022	13:12	Muzaffarpur: R_N, 62.77 km, 5.65 kA	-	R-Earth	100	after 1.5 seconds. PG may explain  Damaged cable in cable trench. Voltage not availbale in relay. Distance relay	No	No	OPTCL	OPTCL
14	400 KV MERAMUNDALI-MENDHASAL-2	04-02-2022	22:59	05-02-2022	01:08	Tripped from Meramundali end only	-	No fault	NA	picked up and all three phase tripped  Damaged cable in cable trench. Voltage	Yes	No	OPTCL	OPTCL
15	400 KV NEW DUBURI-MERAMUNDALI-1	04-02-2022	23:18	05-02-2022	00:43	Tripped from Meramundali end only	-	No fault	NA	not availbale in relay. Distance relay picked up and all three phase tripped	No	Yes		
16	220 KV TENUGHAT-BIHARSHARIF-1	05-02-2022	13:44	05-02-2022	14:46	-	Main Bus-2 PT fuse failed at Biharsharif	No fault	NA	Incident maybe explained by Biharsharif	Yes	Yes	TVNL	BSPTCL
17	400 KV TEESTA 3 -DIKCHU-1	05-02-2022	15:25	05-02-2022	16:01	DT received at Teesta 3		No fault	NA	Tie breaker at Dikchu was closed to charge Rangpo line. Dikchu may explair	Yes	No	TUL	Dikchu
18	220 KV CHANDIL-SANTALDIH-1	06-02-2022	04:42	06-02-2022	05:17	Chandil: B_N, 89.3 km, 1.8 kA	Santaldih: B_N, 19.54 km, 5.01 kA	B-Earth	100	A/r attempt not taken. Three phase tripping for single phase fault	Yes	No	JUSNL	WBPDCL

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/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END	LOCAL END UTILITY	REMOTE END UTILITY
19	400 KV KOLAGHAT-KHARAGPUR-2	06-02-2022	21:40	06-02-2022	22:43	Kolaghat: DT received	Kharagpur: Didn't trip	No fault	NA	Carrier channel failure reported. WBPDCL may explain	No	NA	WBPDCL	WBSETCL
20	400 KV ALIPURDUAR-JIGMELLING-1	08-02-2022	14:04	08-02-2022	15:08	Alipurduar: Didn't trip	DT received at Jigmelling	No fault	NA	DT received at Jigmelling but not sent from Alipurduar.	NA	No	PG ER-2	Bhutan
21	400 KV ALIPURDUAR-JIGMELLING-1	08-02-2022	16:36	25-02-2022	17:36	Alipurduar: Didn't trip	DT received at Jigmelling	No fault	NA	DT received at Jigmelling but not sent from Alipurduar.	NA	No	PG ER-2	Bhutan
22	400/200 KV ICT-2 AT BOKARO A (BTPS A)	08-02-2022	19:48	08-02-2022	21:14	WHILE DC CHECKING OF 220KV RAM TRIPPED ON MASTER TRIP FR	GARH-BOKARO D/C THE ICT OM BOKARO-A END	No fault	NA	DVC may explain	No	NA	DVC	NA
23	220 KV PATNA-KHAGAUL-3	09-02-2022	16:04	09-02-2022	19:15	_	DT received at Khagaul	No fault	NA	Details may be shared by BSPTCL/PG ER	t- NA	No	PG ER-1	BSPTCL
	220 KV CHANDIL-SANTALDIH-1	10-02-2022	01:07	10-02-2022	01:30	Chandil: Y_N, 1.19 kA, 86.9 km	Santaldih: Y_N, 19.31 km,	Y-Earth	100	A/r attempt not taken. Three phase tripping for single phase fault		Yes	JUSNL	WBPDCL
25	220 KV JSPL-JAMSHEDPUR (DVC)-I	14-02-2022	03:44	14-02-2022	04:44	Jindal: O/C E/F, /1.2 kA	Jamshedpur: R_N, 20.1 km, 3.598 kA	R-Earth	100	A/r status may be confirmed by DVC/JSPL. Carrier protection scheme no available		N.	OPTCL	DVC
26	400 KV NEW PPSP-NEW RANCHI-2		16:02		16:30	Tripped from New PPSP only. DT received		No fault		WBSETCL/PG may explain	No	NA NA	WBSETCL	PG ER-1
		14-02-2022	18:04	14-02-2022		Gaya: Didn't trip	Bodhgaya: DT received		NA	BSPTCL/PG may explain			PG ER-1	BSPTCL
	220 KV GAYA-BODHGAYA-2	14-02-2022	23:44	14-02-2022	18:20	Chandauti: A/r successful	Soneragar: R_N, 2.43 kA, 20.96 km	No fault	NA	Three phase tripping for single phase fault at Sonengar. A/r not in service at Sonenagar	NA No	No Yes	PMTL	BSPTCL
28	220 KV CHANDAUTI-SONENAGAR-1	14-02-2022	02:00	15-02-2022	00:50	Chandauti: A/r successful	Sonenagar: R_N, 2.3 kA, 20 km	R-Earth	100	Three phase tripping for single phase fault at Sonengar. A/r not in service at Sonengar			PMTL	BSPTCL
	221 KV CHANDAUTI-SONENAGAR-1	15-02-2022	13:52	15-02-2022	10:53	Teesta 3: R_N, 33.5 km, 0.97 kA	Rangpo: R_N, 12.35 km, 7.7 kA	R-Earth	100	A/r under shutdown	No	Yes	TUL	PG ER-2
30	400 KV TEESTA 3-RANGPO-1	15-02-2022	13:52	15-02-2022	15:02	Kishanganj: R_N, Zone-3	Didn't trip	R-Earth	100	Zone-3 settings left to instantaneous in main-2 relay inadvertently	Yes	Yes NA	PG ER-1	PG ER-2
31	400 KV KISHANGANJ-RANGPO-I	15-02-2022	13:52	15-02-2022	14:42	Kishanganj: R_N, Zone-3	Didn't trip	No fault	NA	Zone-3 settings left to instantaneous in main-2 relay inadvertently	Yes	NA	PG ER-1	PG ER-2
32	400 KV KISHANGANJ-RANGPO-2	15-02-2022	14:46	15-02-2022	14:42	Jeerat: B_N, 104.43 km, 3.03 kA	Bakreshwar: B_N, 41 km, 4.309 kA	No fault	NA	A/r attempt failed after 1 second	Yes	No	WBSETCL	WBPDCL
33	400 KV JEERAT-BAKRESWAR-I	15-02-2022	20:01	15-02-2022	15:50	Alipurduar: Didn't trip	Jigmelling: DT received	B-Earth	100	DT received at Home Wine but not a	NA	No	PG ER-2	Bhutan
34	400 KV ALIPURDUAR-JIGMELLING-2	16-02-2022	12:59	16-02-2022	20:37	Alipurduar: Didn't trip	Jigmelling: DT received	No fault	NA	DT received at Jigmelling but not sent from Alipurduar.	NA	No	PG ER-2	Bhutan
35	400 KV ALIPURDUAR-JIGMELLING-2	17-02-2022	18:17	25-02-2022	15:55	Durgapur: Didn't trip	Kahalgaon: DT received	No fault	NA	DT received at Jigmelling but not sent from Alipurduar.	NA	Yes	PG ER-2	NTPC KhSTPP
36	400 KV DURGAPUR-KAHALGAON-1	17-02-2022	21:34	17-02-2022	19:28	Medinipur: R_N, 0.3 km, Ir: 9.316 kA	New Jeerat: R_N, 169 km,	No fault	NA	DT received at Kahalgaon. NTPC/PG marexplain  R_pjh LA burst at Medinipur. A/r attempt	Yes	Yes	PMJTL	PMJTL
37	765 KV MEDINIPUR-NEW JEERAT-2	19-02-2022		20-02-2022	22:10		Zone-2, Ir: 4.23 kA	R-Earth	100	failed after 1 second				

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38	400 KV KOLAGHAT-KHARAGPUR-1	22-02-2022	09:09	22-02-2022	11:25	-	Kharagpur: DT received	No fault	NA	Details may be shared by WBPDCL/WBSETCL. Tripped during diversion to TBC at Kolaghat	NA	Yes	WBPDCL	WBSETCL
39	400 KV JHARSUGUDA-ROURKELA-3	23-02-2022	16:44	23-02-2022	17:19	Jharsuguda: DT received		No fault	NA	Details may be shared by PG	No		PG Odisha Projects	PG Odisha Projects
40	400 KV DHANBAD-MAITHON RB-2	24-02-2022	17:21	24-02-2022	17:35	Dhanbad: A/r successful	Maithon RB: Y_N, 13 km	Y-Earth	100	No A/r attempt at Maithon RB. Other two phase tripped after 1.5 seconds	No	No	NKTL	MPL
41	220 KV PUSAULI-KARAMNASHA (NEW)-1	24-02-2022	12:28	24-02-2022	14:20	Pusauli: B_N, 29 km, 1.57 kA		B-Earth	1000	As per PMU, Fault cleared from Pusauli within 100 msec. Remote end cleared fault after 1 second. BSPTCL may explain	No	No	PG ER-1	BSPTCL
	400 KV BIHARSHARIF-VARANASI-2	24-02-2022	19:53	24-02-2022	21:06	Biharsharif: B_N, 142 km, 2.8 kA, A/r successful		B-Earth	100	A/r attempt after 2 seconds from Biharsharif. No A/r attempt at Varanasi.	No	No	PG ER-1	NR
43	400 KV NEW PPSP-ARAMBAGH-1	24-02-2022	20:22	24-02-2022	21:29	Arambagh: R_N, Zone 1, 42 km, Ir: 5 kA	New PPSP: R_N, 184 km, 1.65 kA, A/r successful	R-Earth	100	As per PMU, no A/r attempt at Arambagh	No	No	WBSETCL	WBSETCL
	220 KV GAYA-KHIZERSARAI-2	24-02-2022	22:58	24-02-2022	23:33	Gaya: R_N, 49.22 km, 4.219 kA	Khizersarai: R_N, 10.12 km, 7.612 kA, A/r successful	R-Earth	100	As per PMU, no A/r attempt at Gaya.	No	No	PG ER-1	BSPTCL
	220 KV SITAMARHI-RAXAUL (NEW)-1	25-02-2022	07:03	25-02-2022		Sitamarhi: R_N, 33.5 km, 4.5 kA		R-Earth	100	A/r attempt couldn't be ascertained. PMTL/BSPTCL may explain	No	No	PMTL	BSPTCL
	400 KV ALIPURDUAR-PUNATSANGCHUN-2	25-02-2022	07:31	25-02-2022	08:41	Alipurduar: DT received	-	No fault	NA NA	Details may be shared by PG/Bhutan	Yes	NA	PG ER-2	Bhutan
47	400 KV RANCHI-ROURKELA-2	25-02-2022	17:18	25-02-2022	23:04	Ranchi: R_B_N, 5.24 km, Ir: 27.6 kA, Ib: 29.9 kA	Rourkela: R_B_N, 142 km. Ir:3.44 kA, Ib: 3.63 kA	R B-Earth	100	Phase to phase fault	No	No	PG ER-1	PG Odisha Projects
48	400 KV JHARSUGUDA-ROURKELA-3	25-02-2022	17:18	25-02-2022	18:18	Jharsuguda: Didn't trip	-	No fault	NA NA	Main bay of Jharsuguda-3 at Rourkela was under shutdown. Tripped due to tripping of dia element	No	No	PG Odisha Projects	PG Odisha Projects
	400 KV KODERMA-BOKARO-2		14:20	27-02-2022		Koderma: B_N, 16 km, 14.43 kA	Bokaro: B_N, 66.15 km, 2.3 kA		100	A/r attempt failed after 1 second	No	No	DVC	DVC
49	765 KV ANGUL-JHARSUGUDA-2	27-02-2022	14:31		15:28	Angul: Y_N, Zone 1, 59.7 km, 6.9 kA	Jharsuguda: Y_N, 232 km, 3.36 kA	B-Earth Y-Earth	100	A/r attempt failed after 1 second	No	No	PG Odisha Projects	PG Odisha Projects
50	765 KV ANGUL-JHARSUGUDA-2 400 KV DSTPS (ANDAL)-JAMSHEDPIUR-1	27-02-2022	16:02	27-02-2022	15:38	DSTPS: Didn't trip	Jamshedpur: DT received	Y-Earth No fault	NA	Details may be shared by DVC/PG	NA	No	DVC	PG ER-1