



सत्यमेव जयते

भारत सरकार

Government Of India

विद्युत मंत्रालय

Ministry Of Power

पूर्वी क्षेत्रीय विद्युत समिति

Eastern Regional Power Committee

14 Golf Club Road, Tollygunje-70033 Website: [www.erpc.gov.in](http://www.erpc.gov.in)

सं./NO. पू.क्षे.वि.स./PROTECTION/2024/1714

दिनांक /DATE: 05.03.2024

सेवा में / To,  
संलग्न सूची के अनुसार / As per list enclosed.

विषय : पू.क्षे.वि.स. की 133<sup>rd</sup> संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना।  
Sub: Notice for 133<sup>rd</sup> Protection Coordination sub-Committee (PCC) meeting of ERPC.

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स. की 133<sup>rd</sup> पीसीसी बैठक 12 मार्च 2024 (मंगलवार) को 10:30 बजे से ऑनलाइन माइक्रोसॉफ्ट टीमस 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 132<sup>nd</sup> PCC meeting of ERPC will be held on 12<sup>th</sup> March 2024 (Tuesday) from 10:30 hrs through online Microsoft Teams meeting platform. 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 132<sup>nd</sup> Protection sub-Committee Meeting of ERPC
- 2) Analysis of following grid disturbances of February-2024:
  - Grid Disturbance at 220 kV Dhanbad(DVC) S/s on 16.02.2024 at 09:15 Hrs.
- 3) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 4) Single line tripping incidences of transmission elements for January-2023 as enclosed 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,

(पी.पी.जेना / P.P.Jena)  
Executive Engineer (PS)  
कार्यपालक अभियंता(पी.एस)

## **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., LoknayaJaiprakashBhawan, (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, Jharkhand State, PIN-828207
General Manager (P&O), PTC Ltd., Kanchanjunga Bldg.,18, Barakhamba Road,	

New Delhi-110001	
Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.	Managing Director, Druk Green Power Corprn. P.O. Box-1351, Thimpu, Bhutan.
Chief Operating Officer Darbhanga-Motihari Transmission Company Limited (DMTCL),504,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	

## List of important transmission lines in ER which tripped in February-2024

Sl. No.	LINE NAME	TRIP DATE	TRIP 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	400 KV PPSP-BIDHANNAGAR-2	01-02-2024	18:11	PPSP: B-N, 41 km	Bidhannagar; B_N, 135 km, 2.335 kA	B-Earth	100	A/r kept disabled as per OEM advise	No	Yes	WBSEDCL	WBSETCL
2	400 KV BARH-MOTIHARI-1	02-02-2024	15:19	Barh: R-Y, 217 km, IR=3.05 KA, Iy= 2.67 KA	Motihari: R-Y, IR-7.38kA, IY-8.2kA, 9.2km	R-Y	100	Phase to phase fault	Yes	Yes	NTPC	DMTCL
3	400 KV BARH-MOTIHARI-2	02-02-2024	15:19	Barh: Z-2, 217.8KM , Y-B,Iy= 3.38 km, Ib= 3.055 kA	Motihari: Y-B, Iy-5.83kA, IB-6.18kA, 9.9km	Y-B	100	Phase to phase fault	Yes	Yes	NTPC	DMTCL
4	400 KV MOTIHARI-GORAKHPUR-1	02-02-2024	15:19	Motihari: R-Y, IR-9.6kA, IY-9.4kA, 6.7km		R-Y	100	Phase to phase fault	Yes	Yes	DMTCL	NR
5	400 KV MOTIHARI-GORAKHPUR-2	02-02-2024	15:19	Motihari: Y-B, IY-11.3kA, IB-11.05kA, 10.4km		Y-B	100	Phase to phase fault	Yes	Yes	DMTCL	NR
6	400 KV BARH-KAHALGAON-1	06-02-2024	05:05	BARH : B-N, 0.193 km, 31.87 kA	KHSTPP: Main 1 protection trip, overvoltage stage-1/2, protection 2 , CB pole discrepancy	B-Earth	100	A/r not attempted at Barh. O/V appeared at Kahalgaon. NTPC may explain.	Yes	No	NTPC	NTPC
7	220 KV PUSAULI-KARMNASHA-1	10-02-2024	14:20		Karmnash: Didn't trip	No fault	NA	PG ER-1 may explain	Yes	No	PG ER-1	BSPTCL
8	220 KV BUDHIPADAR-KORBA-2	12-02-2024	01:56	Budhipadar: R-B-N, 87.4km, Ir-1.983kA, Iy-93.12A, Ib-108.7A	Korba: B_N, 84.20km, Ir- 0A, Iy-73.71A, Ib- 2.095kA	R-Earth	100	First, fault struck R_ph. After 150 msec, another fault truck B_ph and all three phase tripped at Budhipadar	Yes	NA	OPTCL	WR
9	400 KV CHAIBASA-KHARAGPUR-1	12-02-2024	14:53	Chaibasa : Y-B fault, 152.2 Km, Iy:3.03 kA, Ib:3kA	Kharagpur:Y-B, 13 Km, Iy:13.35 kA, Ib:13.84 kA	Y-B	100	Phase to phase fault	Yes	Yes	PG ER-1	WBSETCL
10	400 KV BIHARSHARIF-VARANASI-1	13-02-2024	22:48	Biharsharif: Y-N, 2.26 kA, 227.5 km	Varanasi : Y-N, 123 km, 5.5 kA	Y-Earth	100	A/r failed after 1 second	Yes	NA	PG ER-1	NR
11	220 KV RANCHI-RAMGARH-1	14-02-2024	05:35	Ranchi : R-N, 2.4 kA, 80.31 km	Ramgarh: R-N, 6.29 kA, 8.8 km	R-Earth	400	Tripped in Zone-2 time from Ranchi as no carrier received. A/r successful from Ramgarh.	Yes	Yes	PG ER-1	DVC
12	400 KV BINAGURI-TALA-1	15-02-2024	19:36	Binaguri: R-N, 3.669kA,122.7km, A/R successful but tripped due to DT received	Tala: R-N	R-Earth	100	A/r successful at Binaguri, however later DT received from Tala and line tripped. No A/r attempt taken at Tala.	No	Yes	PG ER-2	BHUTAN

Sl. No.	LINE NAME	TRIP DATE	TRIP 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
13	765 KV NEW RANCHI-DHARAMJAIGARH-1	16-02-2024	05:39	New Ranchi: Y_N, 74 km, 6 kA	Dharamjaigarh: Y-N, 234 km, 3.2 kA	Y-Earth	100	A/r failed after 1 second	No	NA	PG ER-1	WR
14	220 KV SAHARSA-KHAGARIA-1	16-02-2024	06:08	Saharsha: B_N, 1.87 kA, 106 km	Khagaria: B_N, 5.86 kA, 1.565 km	B-Earth	400	Tripped in Zone-2 time from Saharsa as no carrier received, A/r failed at Khagaria after 1 second.	Yes	Yes	PMTL	BSPTCL
15	220 KV RANCHI-HATIA-2	19-02-2024	12:41	Ranchi: B-N, 7.28 K=kA, 19 km, A/r successful	Hatia :B-N, 5.19 kA, 22.4 Km	B-Earth	100	Three phase tripping and no A/r attempted at Hatia. A/r successful from Ranchi.	Yes	Yes	PG ER-	JUSNL
16	220 KV DARBHANGA-DARBHANGA(DMTCL)-2	21-02-2024	05:58		DMTCL: Didn't trip	No fault	NA	No fault observed from PMU. BSPTCL may explain.	No	NA	BSPTCL	DMTCL
17	220 KV SAHARSA-BEGUSARAI-1	21-02-2024	06:36	Saharsha: R-N, 25.34km,3.159kA	Begusarai: R-N, 61.95 km, 2.56 kA	R-Earth	100	A/r failed after 1 second	Yes	Yes	PMTL	BSPTCL
18	220 KV DARBHANGA-DARBHANGA(DMTCL)-2	21-02-2024	07:43		DMTCL: Didn't trip	No fault	NA	No fault observed from PMU. BSPTCL may explain.	No	NA	BSPTCL	DMTCL
19	220 KV ROURKELA-TARKERA-1	23-02-2024	20:35	PD operated at Rourkela		No fault	NA	No fault observed from PMU. PG Odisha may explain.	No	NA	PG Odisha	OPTCL
20	400 KV ARAMBAGH-KOLAGHAT-1	25-02-2024	07:46	Arambag: B_N, 48.6 km, 5.8 kA	Kolaghat: B_N, A/r successful	B-Earth	100	A/r successful at Kolaghat. No A/r attempted at Arambagh and other two phase CB tripped on PD after 2.5 seconds.	Yes	No	WBSETCL	WBPDC
21	220 KV CHANDIL-SANTALDIH	29-02-2024	00:56	Chandil: R_N, 29 km, 1.4 kA	SantalDIH: R_N, 86.03km, 1.64 kA, Zone-2	R-Earth	100	Charging attempted at 01:48 Hrs but line didn't hold. R-Phase cross-arm was in damaged condition at tower Loc no 274 and the conductor was broken between tower no 274-275. Whether A/r attempted from either end. JUSNL/WBPDC may confirm	Yes	No	JUSNL	WBPDC