



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

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

सं./NO. पू.क्षे.वि.स./PROTECTION/2023/1577

दिनांक /DATE: 07.03.2023

सेवा में / To,

संलग्न सूची के अनुसार / As per list enclosed.

विषय : पू.क्षे.वि.स. की 124 वीं संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना।

Sub: Notice for 124th Protection Coordination sub-Committee (PCC) meeting of ERPC.

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स की 124वीं पीसीसी बैठक 17 मार्च 2023 (शुक्रवार) को 10:30 बजे से ऑनलाइन माइक्रोसॉफ्ट टीम 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 124th PCC meeting of ERPC will be held on 17th March 2023 (Friday) 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 123rd Protection sub-Committee Meeting of ERPC
 - Total Power failure at 220 kV Hazipur, Amnour, Barauni and Mokama S/s on 22.02.2023 at 18:11 Hrs.
 - Tripping of 400 kV GMR-Meramundali line & Outage of GMR unit #3 on 28.02.2023
- 2) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 3) Single line tripping incidences of transmission elements for February-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.

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,

Duni
07.03.23

Executive Engineer (PS)
कार्यपालक अभियंता(पी.एस)

LIST OF ADDRESSES:

Chief Engineer, Trans (O&M) Bihar State Power Transmission Limited, VidyutBhawan, Bailey Road, Patna-800021	Electrical Supeerintending Engineer (CRITL) Bihar State Power Transmission Limited, VidyutBhawan, 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 UrjaSancharan Nigam Limited Kusai Colony, Doranda, Ranchi-834002	Electrical Superintending 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. Vanivihar Chowk, 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, Andul Road, 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, LA 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., Loknaya Jaiprakash Bhawan, (2 nd Floor), DakBunglow Chawk, 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, Tenughat Vidyut 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	The Head Maithon Power Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jharkhand State, PIN-828207
General Manager (AM), ER-II Power Grid Corporation of India Ltd., J-I-15, Block-EP, Sector-V, Salt Lake, Kolkata-91	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 (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 Corpn. 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, Angul, Odisha (FAX:011- 26139256-65)
Shri D. P. Bhagava, Chief Consultant (O&M), TeestaUrja Limited, New Delhi (FAX:011- 46529744)	Director (GM Division), Central Electricity Authority Sewa Bhawan, R. K. Puram, New Delhi-110066
Director (NPC), CEA, NRPC Building, Katwaria Sarai, 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
President , TPTL, Bhikaji Cama Place, New Delhi , 110066	

List of important transmission lines in ER which tripped in February-2023

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	DR/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END
1	400 KV TSTPP-MERAMUNDALI-2	02/02/2023	12:38	02/02/2023	13:54	Talcher: B_N, 37 km, 8.7 kA	Meramundali: B-N, 33km, 6.78 kA	B-Earth	100	A/r failed after 1 second		Yes	Yes
2	400 KV MAITHON-DURGAPUR-1	02/02/2023	13:37	02/02/2023	15:54	Maithon: R_N, 2.7 km, 19.17 kA		R-Earth	100	A/r kept in non-auto mode for OPGW installation		No	No

3	400 KV BARIPADA-KHARAGPUR-1	06/02/2023	11:30	06/02/2023	18:01	Baripada:Y_N, 44.17 km, 4.126 kA	Kharagpur:Y_N, Zone-1, 47.2 km, 3.99 kA	Y-Earth	200	A/r successful. Tripped again within reclaim time.		Yes	Yes
4	400 KV MERAMUNDALI-JSPL-2	06/02/2023	14:15	06/02/2023	17:51	Meeramudali: B_N, Zone-1, 14.1 km, 13.00 kA.	JSPL: B_N, Zone-1, 29.89 km, 8.787 kA	B-Earth	100	A/r failed after 400 msec at Meramundali. A/r dead time may be reviewed.		Yes	No
5	400 KV RANGPO-TEESTA 3-1	06/02/2023	14:18	06/02/2023	15:45	Rangpo:R_N, 25km, 5.9 kA	Teesta 3: R_N, Zone-1, 17.7 km, 1.9 kA	R-Earth	100	A/r kept in non-auto mode for OPGW installation	Only cfg uploaded by TUL	No	No
6	220 KV JEYPORE-JAYANAGAR-3	07/02/2023	14:21	07/02/2023	14:49		Jayanagar: R_Y, Zone-4, 2.5 km, 1.42 kA	R-Y-Earth	350	Tripped in Zone-4 from Jaynagar due to fault in parallel line. Bus bar protection not in service.	DR not time synchronized at Jaynagar	No	Yes

7	220 KV JEYPORE- JAYANAGAR-4	07/02/2023	14:21	07/02/2023	16:43	Jeypore: R_N, Zone- 2, 576m, 2.34 kA	Jayanagar: R_Y, Zone-2, 7.42 km, Ir- 8.1 kA, Iy- 6.4 kA	R-Y- Earth	350	O/C E/f operated after 350 msec at Jaynagar. Highly resistive fault.	DR not time synchronized, channels not configured properly at Jaynagar	No	Yes
8	400 KV BINAGURI- MALBASE-1	07/02/2023	21:42	11/02/2023	19:31	Binaguri: R_N, 102 km, 3.5 kA		R- Earth	100	A/r failed from Binaguri after 1 second		No	NA
9	400 KV BIDHANNAGAR- NEW CHANDITALA- 1	08/02/2023	05:13	08/02/2023	16:57	Bidhannagar : B_N, Zone- 1, 79.3 km, 4.35 kA	New Chanditala: B_N, Zone- 1, 59.82 km, 35.333 kA	B- Earth	100	A/r successful. Tripped again within reclaim time.		Yes	Yes
10	400 KV RANGPO- TEESTA 3-1	09/02/2023	08:18	09/02/2023	10:02	Rangpo: R_N , Zone- 1, 34.98 km, 5.339 kA	Teesta: R_N, Zone- 3, 16.56 km, 6.26 kA	R- Earth	100	A/r successful. Tripped again within reclaim time.		No	Yes

11	400 KV RANGPO-TEESTA 3-1	09/02/2023	10:13	09/02/2023	21:14	Rangpo: R_N, Zone-1, 35.97 km, 9 kA	Teesta: R_N, Zone-1, 15.73 km, 4.736 kA	R-Earth	100	A/r successful. Tripped again within reclaim time.	No	Yes
12	400 KV MAITHON-JAMSHEDPUR-1	09/02/2023	17:53	10/02/2023	18:14	Maithon: DT received		No Fault	NA	PG ER-1 may explain	No	No
13	400 KV DSTPS-JAMSHEDPUR-1	09/02/2023	17:53	10/02/2023	13:24	DSTPS: DT received	Jamshedpur: Didn't trip	No Fault	NA	PG ER-1 may explain	Yes	No
14	400 KV MAITHON-DURGAPUR-1	11/02/2023	09:57	11/02/2023	16:42	Maithon: R_N, 42.6 km, 6.54 kA	Durgapur: R_N, 24.9 km, 9.82 kA	R-Earth	100	A/r in non-auto mode for OPGW installation	No	No
15	220 KV TTPS-TSTPP-1	11/02/2023	12:24	13/02/2023	13:29	TTPS: R_N, Zone-1, 1.95 km, 8.91 kA		R-Earth	500	Tripped in Zone-2 time from TSTPP.	No	No

16	220 KV BEGUSARAI-SAHARSA-2	11/02/2023	13:04	11/02/2023	19:45	Begusarai: B_N, Zone-1, 12.34 km, 6.272 kA	Saharsa: B_N, Zone-1, 89.7 km, 1.488 kA	B-Earth	100	A/r successful. Tripped again within reclaim time.	Yes	No
17	220 KV GAYA-BODHGAYA-1	12/02/2023	12:55	12/02/2023	20:29	Gaya: R_N, Zone-3, 73 km, 2.3 kA		R-Earth	800	Tripped in Zone-3 time from Gaya. Fault in downstream. BSPTCL may explain.	Yes	No
18	220 KV GAYA-BODHGAYA-2	12/02/2023	12:55	12/02/2023	13:25	Gaya: R_N, Zone-3, 74 km, 2.3 kA		R-Earth	800	Tripped in Zone-3 time from Gaya. Fault in downstream. BSPTCL may explain.	Yes	No
19	220 KV BEGUSARAI-SAHARSA-1	12/02/2023	14:40	12/02/2023	20:29	Begusarai: R_N, 2.32 kA	Saharsa: R_N, 25.2 km, 5.26 kA	R-Earth	100	A/r successful. Tripped again within reclaim time.	Yes	No

20	400 KV GMR- ANGUL-1	13/02/2023	11:32	13/02/2023	11:58	GMR: DT received	Angul: Didn't trip	No Fault	NA	PG Odisha/GMR may explain		No	NA
21	400 KV KOLAGHAT- KHARAGPUR-2	13/02/2023	11:35	13/02/2023	13:07	Kolaghat: B_N, 84.79 km, 2.250 kA	Kharagpur: B_N, Zone- 1, 4.279 km, 10.69 kA	B- Earth	100	A/r successful. Tripped again within reclaim time.		No	Yes
22	220 KV GAYA- BODHGAYA-1	13/02/2023	11:41	13/02/2023	12:48	Gaya: R_N, Zone-3		R- Earth	800	Tripped in Zone-3 time from Gaya. Fault in downstream. BSPTCL may explain.		Yes	No
23	220 KV GAYA- BODHGAYA-2	13/02/2023	11:41	13/02/2023	12:48	Gaya: R_N, Zone-3		R- Earth	800	Tripped in Zone-3 time from Gaya. Fault in downstream. BSPTCL may explain.		Yes	No

24	220 KV RANCHI- RAMGARH-1	15/02/2023	01:49	15/02/2023	02:13		Ramgarh: R_N, Zone- 1,63.9 km	R- Earth	100	A/r successful from Ranchi only. DVC may explain		Yes	No
25	220 KV RANCHI- RAMGARH-1	16/02/2023	05:54	16/02/2023	06:35	Ranchi: R_N, 30.84 km, 4.54 kA	Ramgarh: R_N, Zone- 1, 63.9 km	R- Earth	100	A/r successful from Ranchi only. DVC may explain		Yes	No
26	400 KV RANCHI- RAGHUNATHPUR-2	16/02/2023	11:33	16/02/2023	13:25	Ranchi: Didn't trip		No Fault	NA	DVC may update		NA	No
27	400 KV RANCHI- RAGHUNATHPUR-2	17/02/2023	00:51	17/02/2023	01:47	Ranchi: Didn't trip		No Fault	NA	DVC may update		NA	No
28	400KV-BARIPADA- JAMSHEDPUR-1	18/02/2023	04:46	18/02/2023	05:59	Baripada:R_ N, 30.5 km, 5.92 kA	Jamshedpu r: R_N,109.5 6 km, 3.8 kA	R- Earth	100	A/r successful. Tripped again within reclaim time.		Yes	No

29	400KV-BARIPADA-TISCO-1	18/02/2023	05:05	18/02/2023	16:21	Baripada:R_N, Zone-1, 33.2 km, 5.98 kA	TISCO: R_N, Zone-1, 66.78 km	R-Earth	100	A/r successful from Baripada only. Tripped at 05:48 Hrs from Baripada End. TISCO Aailed ESD for relay testing at their end. TISCO may explain.	Yes	No
30	400KV-BARIPADA-JAMSHEDPUR-1	18/02/2023	06:11	18/02/2023	16:16	Baripada: R_N, 5.99 kA	Jamshedpur: R_N, Zone-1, 103.8 km, 3.67 kA	R-Earth	100	A/r successful. Tripped again within reclaim time.	Yes	No
31	400KV-RANCHI-RAGHUNATHPUR-2	18/02/2023	14:22	18/02/2023	17:03	Ranchi: Didn't trip		No Fault	NA	DVC may update	NA	No

32	400KV-MERAMUNDALI-LAPANGA-2	20/02/2023	12:35	20/02/2023	18:49	Meramundali: R_N, Zone-1, 37.1 km, 6.7 kA	Lapanga: R_N, Zone-1, 118.1 km, Ir=1.79 kA	R-Earth	100	A/r successful. Tripped again within reclaim time.		Yes	Yes
33	220KV-PUSAULI-DEHRI-1	21/02/2023	16:11	21/02/2023	16:35	Sasaram: B_N, 6.77 km, 9.88 kA	Dehri: Didn't trip	B-Earth	100	Other two phase tripped at Sasaram after 1 second. PG ER-1 may explain.		Yes	No
34	400KV-BIHARSHARIF-BANKA-1	21/02/2023	17:16	21/02/2023	19:23	Biharsharif: R_N, Zone-1, 5.4 km, 13.9 kA	Banka: R_N, Zone-2, 184 km, 2.7 kA	R-Earth	100	A/r failed after 1 second		Yes	Yes
35	400KV-BINAGURI-KISHANGANJ-1	22/02/2023	06:31	22/02/2023	08:33	Binaguri: R_N, 94.511 km, 5.705 kA	Kishanganj: R_N, 9 km, Ir = 14.8 kA	R-Earth	100	A/r successful. Tripped again within reclaim time.		No	Yes
36	400KV-PPSP-BIDHANNAGAR-2	22/02/2023	12:53	22/02/2023	13:22	PPSP: R_N, Zone-1, 110.7 km	Bidhannagar: R_N, Zone-1, 40.53 km, 6.276 kA	R-Earth	100	A/r kept off as per OEM advise		No	Yes

37	400KV-NEW DUBURI- MERAMUNDALI-2	22/02/2023	16:22	22/02/2023	17:46	New Duburi: DT received	Meeramundali: Didn't trip	No Fault	NA	DT sent to New Duburi due to faulty contact multiplier relay at Meramundali . OPTCL may explain.		No	Yes
38	400KV-TEESTA-III- DIKCHU-1	23/02/2023	07:42	23/02/2023	15:24	R_Y, Zone-1, 1.558 km, Ir = 8.043 kA, Iy = 7.355 kA		R-Y	100	Phase-to-phase fault	Only cfg uploaded by TUL	No	No
39	400KV-MAITHON- DURGAPUR-1	23/02/2023	11:33	23/02/2023	12:31	Maithon: B_N, Zone-1, 47.4 km, 5.38 kA	Durgapur: B_N, Zone-1, 23.7 km, 11.38 kA	B-Earth	100	A/r attempt failed from Maithon after 1.7 second		No	No

40	400KV-BARIPADA-KHARAGPUR-1	23/02/2023	15:25	23/02/2023	15:45	Baripada: Y_N, Zone-1, 43 km, 4.7 kA	Kharagpur: Y_N, 46.6 km, Iy = 4.8 kA	Y-Earth	100	A/r successful. Tripped again within reclaim time. Other two phase at Baripada tripped after 2.5 seconds of A/r failure on PD		Yes	Yes
41	400KV-BINAGURI-KISHANGANJ-1	24/02/2023	04:22	24/02/2023	21:15	Binaguri: R_N, Zone-1, 72.89 km, 5.41 kA	Kishanganj: R_N, Zone-1, 11.2 km, 14.54 kA	R-Earth	100	A/r successful. Tripped again within reclaim time.		No	Yes
42	400KV-JAMSHEDPUR-ADHUNIK-1	24/02/2023	21:50	25/02/2023	00:19	Jamshedpur: Didn't trip	Adhunik: DT received	No Fault	NA	APNRL/PG ER-1 may explain		NA	No
43	400KV FSTPP-RAJARHAT-1	28/02/2023	09:19	28/02/2023	11:07		Rajarhat: B_N, 136 km, 2.83 kA	B-Earth	100	A/r failed after 1 second		No	No

44	400KV MERAMUNDALI B- GMR-1	28/02/2023	13:50	28/02/2023	15:33	Meramundali: R_N, 2.88 kA		R- Earth	100	No A/r attempt observed from PMU		Yes	No
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