



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

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Azadi Ka
Amrit Mahotsav



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/2022/ 1272

दिनांक /DATE: 05.01.2023

सेवा में / To,

संलग्न सूची के अनुसार / As per list enclosed.

विषय : पू.क्षे.वि.स. की 122 वीं संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना।

Sub: Notice for 122nd Protection Coordination sub-Committee (PCC) meeting of ERPC.

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स की 122वीं पीसीसी बैठक 16 जनवरी 2022 (सोमवार) 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 122nd PCC meeting of ERPC will be held on 16th January 2023 (Monday) 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 121st Protection sub-Committee Meeting of ERPC
- 2) Analysis of following grid disturbances of December 2022:
 - Total Power failure at 220 kV Ramchandrapur(JUSNL) S/s on 17.12.2022 at 11:23 Hrs.
 - Disturbance at 400 kV Barh(NTPC) S/s on 22.12.2022 at 07:26 Hrs
 - Total Power failure at 220/132 kV Jayanagar (OPTCL) and 220 kV Balimela HEP S/s on 24.12.2022 at 12:05 Hrs
- 3) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 4) Single line tripping incidences of transmission elements for December 2022 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,

Dunn
05.01.23.

(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, VidyutBhawan, Bailey Road, Patna-800021	Electrical Supeeerintending 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, KusaiColony,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 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., LoknayaJaiprakashBhawan, (2 nd Floor), DakBunglowChawk, Patna-800001	Manager (Electrical), Adhunik Power & Natural Resources Ltd. “Lansdowne Towers, Kolkata-700020 (Fax No. 033-2289 0285)
Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413)	Electrical Superintending Engineer, TTPS, TenughatVidyut Nigam Ltd., Lalpania, Dist. Bokaro, Jharkhand-829149
Dy. General Manager (Electrical) IB Thermal Power Station, OPGCL Banhapalli, Dist. Jharsuguda-768234, Orissa	General Manager (AM), ER-I Power Grid Corporation of India Ltd., Alankar Place, Boring Road, Patna-800001
Chief Engineer (Trans.) Power Deptt., Govt. of Sikkim, Gangtok-731010	Sr. Manager (CTMC) Durgapur Projects Limited, Durgapur-713201
Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033	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 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, 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 December-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 Configuration on Discrepancy	DR/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END	UTILITY RESPONSE
1	220 KV TSTPP-MERAMUNDALI-1	02-12-2022	03:29	02-12-2022	05:46	Tripped from TSTPP end only. Fault in 220 kV Meramundali-BSL line	Meramundali: Didn't trip	No fault	NA	CT puncture in bus coupler of 220 kV Meramundali-BSL-2. Details may be shared by OPTCL.		No	Yes	
2	400 KV GMR-ANGUL-1	02-12-2022	16:50	02-12-2022	17:08	GMR: Spurious tripping during testing of GT-1	Angul: Didn't trip	No fault	NA	GMR may explain		No	NA	

3	220 KV MAITHON- DUMKA-1	04-12-2022	19:33	06-12-2022	09:57	Maithon: R_N, 71 km, 14 kA		R-Earth	100	A/r failed after 1 sec		No	Yes	
4	220 KV JODA- JSPL-1	06-12-2022	04:25	06-12-2022	05:21	Joda: Y_N, 1.12 kA		Y-Earth	350	Tripped on Directional O/c from Joda in 350 msec. Protection settings maybe reviewed		Yes	No	
5	220 KV JSPL- JAMSHEDPUR- 1	06-12-2022	04:25	06-12-2022	05:21		Jamshedpur: Y_N, 20.2 km, 3.69 kA	Y-Earth	350	Tripped in Zone-1 time from Jamshedpur		No	Yes	
6	220 KV PANDIABILI- PRATAPSASA N-2	07-12-2022	17:52	07-12-2022	09:24	Pandiabili: Didn't trip	Pratapsasan: B_N, 0.157 kA	B-Earth	100	OPTCL may explain		NA	No	
7	220 KV RANCHI- RAMGARH-1	10-12-2022	23:08	10-12-2022	23:49	Ranchi: DT received	Ramgarh: Didn't trip	No fault	NA	PG ER-1 may explain		Yes	NA	
8	220 KV MUZAFFARPU R-HAZIPUR-2	11-12-2022	11:32	11-12-2022	12:44	Muzaffarpur: B_N, 42 km, 3.4 kA	Hazipur: B_N, 4.2 km, 5.8 kA	B-Earth		BSPTCL and PG ER-1 may confirm whether A/r attempted		No	No	

9	220 KV RANCHI- RAMGARH-1	11-12-2022	21:39	11-12-2022	21:55	Ranchi: DT received	Ramgarh: Didn't trip	No fault	NA	PG ER-1 may explain		Yes	NA	
10	400 KV NPGC- JAKKANPUR-1	13-12-2022	09:02	13-12-2022	09:57	Line tripped during shutdown of Main Bus 1 at NPGC	Jakkanpur: DT received	No fault	NA	NPGC may explain		No	No	
11	400 KV NPGC- JAKKANPUR-2	13-12-2022	09:02	13-12-2022	09:57			No fault	NA	NPGC may explain		No	No	
12	220 KV PANDIABILI- PRATAPSASA N-1	14-12-2022	11:38	14-12-2022	12:50	Pandiabili: B_N, 25.6 km, 3.18 kA. A/r successful	Pratapssan: B_N, 3.125 kA	B-Earth	100	A/r successful from Pandiabili only.		Yes	No	
13	220 KV CHANDIL- SANTALDIH-1	16-12-2022	05:55	16-12-2022	18:34	Chandil: Y_N, 80 km, 1.27 kA	Santaldih: Y_N, 22 km, 5.196 kA	Y-Earth	100	Three phase tripping for single phase fault from Chandil		Yes	No	
14	400 KV RANCHI- RAGHUNATHP UT (RTPS)-2	16-12-2022	10:33	16-12-2022	12:40	Ranchi: Didn't trip	RTPS: DT received	No fault	NA	DVC and PG ER-1 may explain		NA	Yes	
15	220 KV MUZAFFARPU R-HAZIPUR-1	16-12-2022	16:34	16-12-2022	17:51	Muzaffarpur: Didn't trip		No fault	NA	BSPTCL may explain		NA	No	

16	400 KV NEW PPSP-NEW RANCHI-1	17-12-2022	07:54	17-12-2022	09:00	New PPSP: Didn't trip	New Ranchi: DT received	No fault	NA	PG ER-1 may explain		NA	Yes	
17	400 KV RANGPO- TEESTA V-1	19-12-2022	10:44	19-12-2022	18:03		Teesta 5: DT received	No fault	NA	Teesta V may explain		NA	No	
18	765 KV SASARAM- FATEHPUR-1	20-12-2022	04:23	20-12-2022	18:26	Sasaram: Y_N, 268.7 km, 1.6 kA		Y-Earth	100	A/r successful from Sasaram only		Yes	NA	
19	220 KV RANCHI-MEJIA-1	20-12-2022	05:48	20-12-2022	07:35	Ranchi: A/r successful	Mejia: R_N, 155.3 km, 1.14 kA	R-Earth	100	A/r at Mejia switched off		No	Yes	
20	400 KV FARAKKA- KAHALGAON-1	20-12-2022	22:08	23-12-2022	10:36	FSTPP: B_N, 3.8 km		B-Earth	100	A/r failed after 1 sec		Yes	No	
21	400 KV FARAKKA- KAHALGAON-2	20-12-2022	22:08	23-12-2022	12:02	FSTPP: R_N, 3.54 kA		R-Earth	100	Another fault struck B_ph after 1 sec		Yes	No	
22	400 KV BIHARSHARIF- BALIA-2	21-12-2022	03:41	21-12-2022	05:43	Biharsharif: R_N, 3.33 kA	Balia: R_N, 76.36 km, 5.787 kA	R-Earth	100	A/r failed after 1 sec		Yes	NA	
23	400 KV PATNA- SAHARSA-1	21-12-2022	07:29	21-12-2022	07:58	Patna: R_N, 25 km, 11.12 kA	Saharsa: R_N, 199 km, 2.9 kA	R-Earth	100	A/r failed after 1 sec		Yes	Yes	

24	220 KV MUZAFFARPU R-HAJIPUR-1	21-12-2022	08:35	21-12-2022	09:22	Muzaffarpur: Didn't trip		No fault	NA	BSPTCL may explain		NA	No	
25	220 KV RENGALI(PG)- RENGALI-1	21-12-2022	09:51	21-12-2022	10:54	Rengali (PG): Didn't trip		No fault	NA	OPTCL may explain		NA	No	
26	220 KV JAYANAGAR- JEYPORE-3	22-12-2022	01:00			Jayanagar: DC Earth leakage	Jeypore: Didn't trip	No fault	NA	OPTCL may explain		No	NA	
27	400 KV MUZAFFARPU R- GORAKHPUR-2	22-12-2022	01:03	22-12-2022	06:12	Muzaffarpur: R_N, 256.8 km, 2.19 kA	Gorakhpur: R_N, 43 km, 2.01 kA	R-Earth	100	DT received after 1 sec before A/r attempt. PG may share findings if any		Yes	NA	
28	400 KV BARH- PATNA-1	22-12-2022	04:30	22-12-2022	05:09	Barh: Y_N, 67.2 km, 5.1 kA	Patna: Y_N, 28.514 km, 11.06 kA	Y-Earth	100	A/r failed after 1 sec		No	Yes	
29	400 KV BARH- PATNA-1	22-12-2022	06:13	22-12-2022	06:26	Barh: B_N, 13.63 km, 16.61 kA	Patna: B_N, 83.49 km, 7.68 kA, A/r successful	B-Earth	100	A/r successful from Patna only		No	Yes	

30	400 KV BARH-PATNA-1	22-12-2022	07:54	22-12-2022	09:25	Barh: B_N, 65.72 km, 6.878 kA	Patna: B_N, 28.5 km, 10.19 kA	B-Earth	100	Other two phase opened after 1 seconds from Patna without any A/r attempt. PG may explain.	Yes	Yes	
31	400 KV BARH-KAHALAGAON-1	22-12-2022	07:54	22-12-2022	12:33	Barh: TEED operated		No fault	NA	As reported by NTPC, TEED protection operated. Barh may explain. 400 kV Barh-Patna-1 is in same dia. During A/r attempt of Patna-1, this line also tripped.	Yes	Yes	
32	220 KV MAITHON-DHANBAD-1	22-12-2022	10:13	23-12-2022	21:42	Maithon: R_N, 25.2 km, 8.93 kA	Dhanbad: R_Y_N, 24 km, Ir=Iy=5.4 kA	R-Earth	100	Initially fault struck R_ph. Another fault struck Y_ph after 50 msec	No	Yes	
33	400 KV MUZAFFARPUR-GORAKHPUR-1	23-12-2022	01:26	23-12-2022	13:00	Muzaffarpur: Y_N, 1.67 kA	Gorakhpur: Y_N, 1.8 km, 14.39 kA	Y-Earth	100	A/r failed after 1 sec	Yes	NA	

34	220 KV CHANDIL- SANTALDIH-1	28-12-2022	04:55	28-12-2022	13:47	Chandil: Y_N, 0.6 km, 9.36 kA	Santaldih: Y-B, Zone-2, 98.5 km, Iy: 2.415 kA, Ib: 2.115 kA	Y-B-Earth	100	Phase to phase fault. Y_ph jumper snapped at loc. 336		Yes	No	
36	220 KV CHANDIL- RANCHI-1	30-12-2022	17:10	30-12-2022	17:52	Chandil: Tripped during ATR-1 testing at Chandil	Ranchi: Didn't trip	No fault	NA	JUSNL may explain		Yes	NA	
37	400 KV FARAKKA- NEW PURNEA-1	31-12-2022	06:43	31-12-2022	13:06	Farakka: R_Y_N, 127.3 km, Ir: 4.76 kA, Iy: 4.32 kA	New Purnea: R_Y_N, 5.23 km, Ir=Iy=11.94 kA	R-Y-Earth	100	Phase to phase fault		Yes	No	