



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

वसुधैव कुटुम्बकम्
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सं./NO. पू.क्षे.वि.स./PROTECTION/2022/

दिनांक /DATE: 05.12.2022

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

विषय : पू.क्षे.वि.स. की 121 वीं संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना।

Sub: Notice for 121st Protection Coordination sub-Committee (PCC) meeting of ERPC.

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स. की 121 वीं पीसीसी बैठक 16 दिसंबर 2022 (शुक्रवार) 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 121st PCC meeting of ERPC will be held on 16th December 2022 (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 120th Protection sub-Committee Meeting of ERPC
- 2) Analysis of following grid disturbances of November-2022:
 - Disturbance at 220 kV Tashiding S/s total Power failure at 220 kV Chatra(JUSNL) S/s on 13.11.2022 at 16:34 Hrs, on 28.11.2022 at 14:16 Hrs
 - Disturbance at 220 kV Mejia TPS(DVC) on 20.11.2022 at 10:40 hrs.
 - Total power failure at 220 kV Chatra S/s on 18.11.2022 at 01:23 hrs
- 3) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 4) Single line tripping incidences of transmission elements for November-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,

P.P.Jena
05-12-2022

(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)
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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., LoknayaKJaiprakashBhawan, (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, Jhankand 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 November-2022

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	220 KV NEW PURNEA-MADHEPURA-1	02-11-2022	09:50	New Purnea: Didn't trip	Madhepura: Master trip operated	No fault	NA	BSPTCL may explain	NA	No	PG ER-1	BSPTCL
2	220 KV CHAIBASA-CHAIBASA-1	03-11-2022	20:08	Chaibasa (PG): Y_N, 0.8 km, 5.6 kA		No fault	NA	Y_ph CB of 220 kV Chaibasa(JUSNL)-Railway TSS-2 burst at TSS end. JUSNL may explain. Both lines tripped in Zone-3 after 1 sec	No	No	PG ER-1	JUSNL
3	220 KV CHAIBASA-CHAIBASA-2	03-11-2022	20:08	Chaibasa (PG): Y_N, 0.8 km, 3 kA		No fault	NA		No	No	PG ER-1	JUSNL
4	400 KV MERAMUNDALI-LAPANGA-4	04-11-2022	08:28	Meramundali: Didn't trip	Lapanga: Y_ph & B_ph CVT fuse failed. Zone-4 appeared and tripped after 500 msec	No fault	NA	Line shouldn't trip due to CVT fuse failure. OPTCL may explain	No	Yes	OPTCL	OPTCL
5	220 KV TENUGHAT-BIHARSHARIF-5	05-11-2022	14:10	Tenughat: B_N, 73 km, 0.8 kA	Biharsharif: B_N, 89 km, 1.5 kA	B-Earth	350	Highly resistive fault. Three phase tripping.	No	Yes	TVNL	BSPTCL
6	220 KV JODA-JSPL-1	08-11-2022	18:43	Joda: Y_N		Y-Earth	100	As per PMU, fault cleared within 100 msec	Yes	No	OPTCL	CPP
7	220 KV JSPL-JAMSHEDPUR-1	08-11-2022	18:43		Jamshedpur: Didn't trip	Y-Earth	450	As per PMU, fault cleared after 450 msec. JSPL/OPTCL may explain.	No	Yes	CPP	DVC
8	220 KV BEGUSARAI-SAHARSA-1	09-11-2022	09:11	Begusarai: B_N, 1.022 km, 13.04 kA	Saharsa: B_N, 125.6 km, 1.60 kA	B-Earth	100	A/r failed after 1 sec.	Yes	No	BSPTCL	PMTL
9	400 KV TALA-BINAGURI-1	09-11-2022	09:20	Tala: Y_B, 1.4 km, Iy: 6.48 kA, Ib: 5.70 kA	Binaguri: Y_B, 140.3 km	Y-B-Earth	100	Phase to phase fault	NA	Yes	BHUTAN	PG ER-2
10	220 KV TENUGHAT-BIHARSHARIF-10	09-11-2022	12:36	Tenughat: B_N, 46.15 km	Biharsharif: B_N, 126.9 km, 1.141 kA	B-Earth	100	Three phase tripping for single phase fault	No	Yes	TVNL	BSPTCL
11	220 KV NEW PURNEA-MADHEPURA-2	09-11-2022	15:58	New Purnea: Didn't trip	Madhepura: Master trip operated	No fault	NA	BSPTCL may explain	NA	No	PG ER-1	BSPTCL
12	220 KV KARMNASHA-SAHUPURI-1	11-11-2022	15:11	Karmnasha: R_Y_N		R-Y-Earth	100	Phase to phase fault	Yes	NA	BSPTCL	NR
13	400 KV FARAKKA-RAJARHAT-1	15-11-2022	09:52	FSTPP: DT received		No fault	NA	PG may explain	No	No	NTPC	PG ER-2
14	220 KV CHAIBASA-CHAIBASA-1	16-11-2022	08:58	Chaibasa(PG): Didn't trip	Chaibasa (JUSNL): Tripped due to B_ph CB gas pressure low	No fault	NA	JUSNL may explain	No	No	PG ER-1	JUSNL
15	220 KV ALIPURDUAR-ALIPURDUAR(WB)-2	18-11-2022	16:17	220 kV Bus-2 at Alipurduar (PG) tripped	Alipurduar (WB): DT received	No fault	NA	B_ph CB of 220 kV Salakati-BTPS-2 burst (line in NER adjacent to Alipurduar-Salakati). PG may explain the tripping event	No	Yes	PG ER-2	WBSETCL
16	220 KV ALIPURDUAR-BIRPARA-2	18-11-2022	16:17	221 kV Bus-2 at Alipurduar (PG) tripped		No fault	NA		No	No	PG ER-2	PG ER-2
17	765 KV MEDINIPUR-NEW JEERAT-2	18-11-2022	19:30	Medinipur: R_B, 106 km, Ir: 4.8 kA, Ib: 4.9 kA		R-B-Earth	100	Phase to phase fault	No	No	PMJTL	PMJTL
18	220 KV PUSAULI-KARMNASHA-1	22-11-2022	14:56		Karmnasha: Y_B, Iy: 5.8 kA, Ib: 5.47 kA	Y-B	100	Phase to phase fault	No	Yes	PG ER-1	BSPTCL
19	220 KV DARBHANGA (DMTCL)-LAUKAHI-1	24-11-2022	11:20	Darbhangha: R_Y, 15 km, Ir: 8.68 kA, Iy: 8.65 kA		R-Y	100	Phase to phase fault	Yes	Yes	DMTCL	BSPTCL

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
20	220 KV KARMNASHA-SAHUPURI-1	24-11-2022	15:25	Karmnasha: R_Y fault		R-Y-Earth	100	Phase to phase fault	Yes	NA	BSPTCL	NR
21	220 KV MAITHON-DHANBAD-2	26-11-2022	09:34	Maithon: Didn't trip	Dhanbad: Line side isolator opened due to control circuit problem	No fault	NA	DVC may explain	NA	No	PG ER-2	DVC
22	400 KV BARH-MOTIHARI-2	26-11-2022	13:15	Barh: Didn't trip	Motihari: DT received	No fault	NA	Voltage in Barh around 414 kV only. NTPC may explain	No	Yes	NTPC	DMTCL
23	220 KV RANCHI-CHANDIL-1	26-11-2022	19:19	Ranchi: Didn't trip	Chandil: Master trip operated	No fault	NA	JUSNL may explain	NA	No	PG ER-1	JUSNL
24	220 KV KARMNASHA-SAHUPURI-1	27-11-2022	14:59	Karmnasha: Y_B fault		Y-B-Earth	100	Phase to phase fault	Yes	NA	BSPTCL	NR
25	220 KV GAYA-DEHRI-1	30-11-2022	05:07	Gaya: B_N, 62.6 km, 2.42 kA	Dehri: B_N, 2.5 km	B-Earth	100	A/r failed after 1 sec. Successful A/r occurred in Ckt-2 at the same time (Y_N fault).	No	No	PG ER-1	BSPTCL
26	400 KV MEDINIPUR-NEW CHANDITALA-2	30-11-2022	16:17	Medinipur: R_B, 71 km, Ir: 1.12 kA, Ib: 0.84 kA	New Chanditala: R_B, 22.79 km	R-B-Earth	100	Phase to phase fault	No	No	PMJTL	WBSETCL