



सत्यमेव जयते

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
14 Golf Club Road, Tollygunj, Kolkata-700033

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सं./NO. पू.क्षे.वि.स./PROTECTION/2021/1223

दिनांक /DATE: 06.12.2021

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

विषय : पू.क्षे.वि.स. की 109 वीं संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना।
Sub: Notice for 109th Protection Coordination sub-Committee (PCC) meeting of ERPC.

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स की 109वीं पीसीसी बैठक 16.12.2021(Thursday) 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। किसी भी सहायता के लिए निम्न समन्वयक से संपर्क किया जा सकता है:

Notice is hereby given that 109th PCC meeting of ERPC will be held on 16.12.2021(Thursday) 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 108th Protection sub-Committee Meeting of ERPC.
- 2) Analysis of following grid disturbances of November 2021:
 - Disturbance at 220kV Budhipadar(OPTCL) s/s on 30/11/2021 at 10:12 Hrs
- 3) Protection Audit Planning for ER substations by ERPC Protection Audit Team
- 4) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 5) Single line tripping incidences of transmission elements for November 2021 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
06.12.2021
(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 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, 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 (O&M), POWERGRID, Odisha Projects, Sahid Nagar, Bhubaneswar – 751 007
General Manager (OS), ERHQ-I, NTPC Ltd., LoknayaJaiprakashBhawan, (2 nd Floor), DakBungalowChawk, 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 (OS), 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	ShriA.K.Nayak/ShriSumit S Ghosh Maithon Power Limited, Maithon Office, MA 5 Gogna, Dist. Dhanbad, Jhankand State, PIN-828207
General Manager (OS), 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	ShriBrajesh Kumar Pande, Plant Head, JITPL. (FAX:011-26139256-65)

(DMTCL),503,Windsor, Off CST Road, Kalina, Santacruz(E), Mumbai-400098	
Shri D. P. Bhagava, Chief Consultant (O&M), TeestaUrja Limited, New Delhi (FAX:011-46529744)	Director (GM Division), Central Electricity Authority SewaBhawan, R. K. Puram, 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
President , TPTL, BhikajiCama Place, New Delhi , 110066	

List of important transmission lines in ER which tripped in November-2021

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	PMU Location	DR CONFIGURATION DESCRIP	DR/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END	LOCAL END UTILITY	REMOTE END UTILITY
1	400 KV FSTPP-DURGAPUR-2	04-11-2021	09:44	04-11-2021	12:55	FSTPP: B_N, Zone-1, 104 km, 3.5 kA	Durgapur: B_N, Zone-1, 56.94 km, 4.59 kA	B-Earth	200	Main bay LBB operated at Farakka. 400 KV Bus-1 tripped	Durgapur		Yes	Yes	NTPC FSTPP	PGER-2
2	400 KV FSTPP-BAHARAMPUR-1	04-11-2021	09:44	04-11-2021	12:11		DT received	No fault	NA	Bus-1 at Farakka tripped	FSTPP		Yes	Yes	NTPC FSTPP	PGER-2
3	220 KV NEW PURNEA-MADHEPURA-1	06-11-2021	10:58	06-11-2021	11:16	New Purnea: R_N, 78.54 km, 2.49 kA		R-Earth	350	Carried received at New Purnea but tripped in Zone-2 time. A/r successful from Madhepura only	New Purnea		Yes	Yes	PGER-1	BSPTCL
4	400 KV PPSP-BIDHANNAGAR-2	06-11-2021	12:03	06-11-2021	12:25	PPSP: R_N, Zone-1, 144.2 km	Bidhannagar: R_N, Zone-1, 36.4 km, 6.1 kA	R-Earth	100	Three phase tripping at Bidhannagar	Durgapur	DR length less	No	Yes	WBSETCL	WBSETCL
5	400 KV PPSP-BIDHANNAGAR-1	06-11-2021	14:21	06-11-2021	14:42	PPSP: R_N, Zone-1, 105.1 km	Bidhannagar: R_N, Zone-1, 85.65 km, 6.9 kA	R-Earth	100	Three phase tripping at Bidhannagar	Durgapur		No	Yes	WBSETCL	WBSETCL
6	220 KV CHANDAUTI-SONENAGAR-1	07-11-2021	23:20	08-11-2021	00:23	Chandauti: R_N, 50.8 km, 3.2 kA	Sonenagar: R_N, 20.17 km, 2.195 kA	R-Earth	250	A/r successful from Chandauti only. No A/r attempt at Sonenagar	Gaya		Yes	Yes	PMTL	BSPTCL
7	400 KV MERAMUNDALI-LAPANGA-2	08-11-2021	12:54	08-11-2021	13:03	Tripped while checking VT fuse	Didn't trip	No fault	NA	No fault in line however, distance relay operated at Meramundali	Meramundali		Yes	NA	OPTCL	OPTCL
8	400 KV BARH-PATNA-1	08-11-2021	13:57	08-11-2021	14:49		Didn't trip	No fault	NA	Reason maybe shared by Barh	Barh		No	NA	NTPC Barh	PGER-1
9	220 KV RANGPO-NEW MELLI-1	08-11-2021	16:29	08-11-2021	17:15	Bus-1 at Rangpo tripped		No fault	NA	LBB at Rangpo operated	Rangpo		Yes	No	PGER-2	PGER-2
10	400 KV RANGPO-DIKCHU-1	08-11-2021	22:24	08-11-2021	22:43	DT received	Didn't trip	No fault	NA	DT received at Rangpo. Reason maybe shared by Dikchu	Rangpo		Yes	NA	PGER-2	Dikchu
11	400 KV TEESTA-III- DIKCHU-1	09-11-2021	14:27	09-11-2021	15:34	Teesta III: Y_B, 13 km, Iy=Ib=3.2 kA	Dikchu: Y_B, 1.4 km, Iy=Ib=7.2 kA	Y-B-Earth	100	Phase-to-phase fault	Rangpo		Yes	Yes	TUL	Dikchu
12	220 KV CHANDAUTI-SONENAGAR-2	11-11-2021	14:15	11-11-2021	15:02	Chandauti: R_N, Zone-1, 52.6 km, 3.41 kA	Sonenagar: R_N, Zone-1, 21.6 km, 2.1 kA	R-Earth	100	A/r successful from Chandauti only. No A/r attempt at Sonenagar, other two phase tripped after 1 second	Gaya		Yes	Yes	PMTL	BSPTCL
13	400 KV PATNA-BALIA-2	12-11-2021	14:58	12-11-2021	16:24	Problem in PLCC at Balia		No fault	NA	No fault observed	Patna		No	NA	PGER-1	NR
14	400 KV PATNA-BARH-1	13-11-2021	04:09	13-11-2021	04:45	Didn't trip	DT received	No fault	NA	Reason maybe shared by Barh	Patna		NA	No	PGER-1	NR
15	400 KV PATNA-BARH-1	13-11-2021	08:36	13-11-2021	09:58	Didn't trip	DT received	No fault	NA	Reason maybe shared by Barh	Patna		NA	No	PGER-1	NTPC Barh
16	400 KV MEDINIPUR-NEW CHANDITALA-1	15-11-2021	00:30	15-11-2021	01:06	Didn't trip	Master relay operated	No fault	NA	Relay replaced	New Chanditala		NA	No	PMJTL	WBSETCL
17	400 KV MALDA-NEW PURNEA-2	15-11-2021	07:59	15-11-2021	14:41	Malka: Y_N, 6.74 kA, 42.68 km	New Purnea: Y_N, 4.1 kA, 76.2 km	Y-Earth	100	Insulator decapped at loc. 995. A/r unsuccessful at both ends	Malka		Yes	Yes	PGER-2	PGER-1
18	400 KV JEERAT-BAKRESWAR-1	17-11-2021	16:20	17-11-2021	17:49	Didn't trip	Pole discrepancy at Bakreswar end			Y_ph CB at Bakreswar tripped without any fault. 1.5 seconds later other two phase tripped on PD	Jeerat		No	Yes	WBSETCL	WBSETCL
19	400 KV PPSP-BIDHANNAGAR-2	21-11-2021	12:39	21-11-2021	12:50	PPSP: R_N, 141.5 km, Zone-1	Bidhannagar: R_N, Zone-1, 47.09 km, 6.275 kA	R-Earth	100	Three phase tripping at Bidhannagar. A/r not in service	Durgapur		No	Yes	WBSETCL	WBSETCL
20	400 KV MOTIHARI-BARH-2	22-11-2021	11:31	22-11-2021	11:46	DT sent while availing bus shutdown	DT received	NA	NA	Details maybe shared by Barh	Barh		No	No	DMTCL	Barh
21	220 KV SITAMARHI-MOTIPUR-1	23-11-2021	03:23	23-11-2021	20:21	Sitamarhi: Y_B, 42.1 km, Iy=3.39 kA, Ib=3.35 kA	Motipur: Y_B, 3.86 km	Y-B-Earth	100	Phase-to-phase fault	Muzaffarpur		Yes	Yes	PMTL	BSPTCL
22	400 KV ALIPURDUAR-BONGAIGAON-1	23-11-2021	11:13	23-11-2021	12:53	Alipurduar: R_B, Ir=6.003 kA, Ib=6.19 kA, 49.3 km, Zone-1		R-B-Earth	100	Phase-to-phase fault	Alipurduar		Yes	NA	PGER-2	NER
23	220 KV CHANDAUTI-SONENAGAR-1	26-11-2021	20:07	26-11-2021	20:17	Chandauti: Didn't trip	Sonenagar: R_N, Zone-1, 19.14 km, 2.445 kA	R-Earth	100	Insulator damaged. A/r successful from Sonenagar but tripped again in reclaim time	Gaya		NA	Yes	PMTL	BSPTCL
24	220 KV PUSAULI-SAHUPURI-1	26-11-2021	22:08	27-11-2021	00:29	Didn't trip	Tripped while working with PLCC	NA	NA	No fault observed	Pusauli		NA	NA	PGER-1	NR
25	400 KV MERAMUNDALI-BOLANGIR-1	30-11-2021	22:33	30-11-2021	23:12	Meramundali: B_N, Zone-2, 230.12 km, 2.48 kA	Bolangir: B_N, Zone-1, 36.7 km, 2.8 kA	B-Earth	500	DR length small at Meramundali. AR couldn't be ascertained Bolangir DR not uploaded	Bolangir		Yes	No	OPTCL	PG Odisha Projects