



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

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सं./NO. पू.क्षे.वि.स./PROTECTION/2024/431

दिनांक /DATE: 10.01.2024

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

विषय : पू.क्षे.वि.स. की 131st संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना।

Sub: Notice for 131st Protection Coordination sub-Committee (PCC) meeting of ERPC.

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स की 131st पीसीसी बैठक 19 जनवरी 2024 (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 **131st PCC meeting** of ERPC will be held on **19th January 2024 (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 130th Protection sub-Committee Meeting of ERPC
- 2) Analysis of following grid disturbances of December-2023:
 - Total Power failure at 400/220 kV Tenughat TPS(TVNL) on 06.12.2023 at 07:04 Hrs.
 - Total Power failure at 220/132 kV Purnea(BSPTCL) S/s on 14.12.2023 at 11:58 Hrs.
 - Total Power failure at 220/132 kV Therubali(OPTCL) S/s on 28.12.2023 at 12:32 Hrs.
 - Disturbance at 220 kV Rengali(OPTCL) S/s & at Rengali PH(OHPC) on 04.12.2023 at 10:49 hrs
- 3) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 4) Single line tripping incidences of transmission elements for December-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,

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

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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
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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, 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 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	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, Jhankand 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.
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. (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 December-2023

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	220KV-PUSAULI-KARAMANSA-1	01-12-2023	14:10	Tripped from Pusauli only		No fault	NA	PG ER-1/BSPTCL may explain.	No	NA	PG ER-1	BSPTCL
2	400KV-FSTPP-KHSTPP-2	02-12-2023	01:56	Tripped from Farakka only		No fault	NA	Y_ph O/V St.1 operated at Farakka. Y_ph Voltage was around 242 kV	No	NA	NTPC	NTPC
3	765KV-DHARAMJAIGARH-JHARSUGUDA-1	02-12-2023	17:06		Jharsuguda:R_N, Zone-1, 31.8 km, 13.62 kA	R-Earth	100	A/r kept in non-auto mode for OPGW work	NA	Yes	WR	PG Odisha
4	220KV-RENGALI(PH)-TSTPP-1	04-12-2023	10:29	-	-	No fault	NA	As per PMU, no fault observed. OPTCL/NTPC may explain	No	No	OHPC	NTPC
5	400KV-PPSP-BIDHANNAGAR-2	05-12-2023	07:59	PPSP: R_Y, Zone-1, 111.8 km	Bidhannagar:R_Y, Zone-1, 75.38 km, Ir= 5.513 kA, Iy= 5.417 kA	R-Y-Earth	100	Phase to phase fault	No	Yes	WBSEDCL	WBSETCL
6	765KV-DHARAMJAIGARH-JHARSUGUDA-1	05-12-2023	01:08		Jharsuguda: B_N, 116 km, 5.03 kA	B-Earth	100	A/r failed after 1 second	NA	Yes	WR	PG Odisha
7	400KV-CHANDWA-NORTH KARANPURA-1	05-12-2023	11:27	Chandwa: DT received		No fault	NA	PG ER-1/NTPC may explain	No	No	PG ER-1	NTPC
8	400KV-PPSP-BIDHANNAGAR-2	05-12-2023	11:01	PPSP: B_E, Zone-1, 110.3 km	Bidhannagar: B_E, Zone-1, 66.34 km, 4.173 kA	B-Earth	100	A/r kept disabled as per OEM advise	No	Yes	WBSEDCL	WBSETCL
9	220KV-DARBHANGA(DMTCL)-LAUKAHI-1	06-12-2023	12:30	Darbhangha: R_N, Zone-1, 53.61 km, 2.80 kA	Laukahi: R_N, 3.16 kA, A/r successful	R-Earth	100	A/r successful from Laukahi only. Other two phase at Darbhanga didn't trip during fault.	No	Yes	DMTCL	BSPTCL
10	220KV-MAITHON-DUMKA-2	06-12-2023	07:47		Tripped from Dumka only	No fault	NA	PG ER-2/JUSNL may explain	NA	No	PG ER-2	JUSNL
11	400KV-PUSAULI(PG)-NABINAGAR(BRBCL)-2	07-12-2023	11:11	Pusauli: Y_B, 12 km, 10.85 kA	Nabinagar: Y_B, 57 km, 2.5 kA	Y-B-Earth	100	Phase to phase fault	Yes	No	PG ER-1	BRBCL
12	400KV-BIDHANNAGAR-NEW CHANDITALA-1	07-12-2023	09:24	Bidhanagar:B_N, Zone-1, 13.9 km, 9.12 kA	New Chanditala: B_N, Zone-1, 118.1 km, 3.417 kA	B-Earth	100	A/r failed after 1 second	Yes	Yes	WBSETCL	WBSETCL
13	765KV-GAYA-BALIA-1	10-12-2023	11:31	Gaya: Y_B, 195.3 km, Iy= 4.58 kA, Ib=4.08 kA	Balia: Y_B, 38 km, 10 kA	Y-B-Earth	100	Phase to phase fault	Yes	NA	PG ER-1	NR
14	400KV-RANCHI-RAGHUNATHPUR-3	12-12-2023	11:15	Ranchi: DT received		No fault	NA	No fault in line. DT received at Ranchi. DVC may explain.	Yes	No	PG ER-1	DVC

15	400KV-KISHANGANJ(PG)-RANGPO-2	12-12-2023	17:42	Kishanganj:R_Y, Zone-1, 107.3 km, Ir=4.48 kA, Iy=4.7 kA	Rangpo: R_Y, Zone-1, 86.98 km, Ir=3.845 kA, Iy=3.649 kA New Jeerat: 765 kV Bus-1	R-Y	100	Phase to phase fault	Yes	Yes	PG ER-1	PG ER-2
16	765KV-MEDINIPUR-NEW JEERAT-2	13-12-2023	11:38		tripped due to bus bar protection. Main bay was under shutdown, however tie bay also tripped	B-Earth	250	Bus fault at New Jeerat which was momentarily picked up in Zone-1 by Medinipur. DT received at Medinipur. PMJTL may explain.	Yes	Yes	PMJTL	PMJTL
17	220KV-NEW MELLI-TASHIDING-2	13-12-2023	12:14	New melli:Y_B, Zone-1, 12.56 km, Iy= 4.5 kA, Ib= 4.57 kA	Tashiding: Y_B, 6.7 km,Iy=Ib= 2.5 kA, Earth Fault	Y_B	100	Phase to phase fault	Yes	No	PG ER-2	THEP
18	400KV-MAITHON-GAYA-1	13-12-2023	12:47	Maithon: R_Y, 56.5 km, Ir=7.37 kA, Iy= 7.32 kA		R_Y	100	Phase to phase fault	Yes	Yes	PG ER-2	PG ER-1
19	400KV-MALDA(PG)-NEW PURNEA-1	17-12-2023	02:28		New Purnea: Y_B, Zone-1, 114.13 km, Iy=4.28 kA, Ib=4.28 kA	Y_B	100	Phase to phase fault	Yes	Yes	PG ER-2	PG ER-1
20	400KV-NEW DUBURI-TSL-1	20-12-2023	07:48	New Duburi: InterTrip received		No fault	NA	OPTCL/TSL may explain	No	No	OPTCL	TSL
21	400KV-NEW DUBURI-TSL-1	22-12-2023	08:52	New Duburi: DT received		No fault	NA	OPTCL/TSL may explain	No	No	OPTCL	TSL
22	400KV-KHSTPP-BARH-1	23-12-2023	13:47		Barh:Y_N ,4.6 km, 23 kA	Y-Earth	100	Three phase tripping from both ends for single phase fault	No	Yes	NTPC	NTPC
23	220KV-ROURKELA-TARKERA-1	26-12-2023	19:15	Tripped from Rourkela during LBB testing		No fault	NA	Tripped from Rourkela only along with bus coupler. PG Odisha may explain.	No	NA	PG Odisha	OPTCL
24	220KV-KARAMNASHA (NEW)-SAHUPURI-1	28-12-2023	05:50	Karmnasa:R_N, Zone-1, 28 km, 2.83 kA		R-Earth	100	A/r failed after 1 second	No	NA	BSPTCL	NR
25	220KV-BUDHIPADAR-KORBA-1	29-12-2023	13:50	Budhipadar: Didn't trip	Korba: Y_N, Zone-2, 1.063 kA	Y-Earth	100	As per PMU, Y-Earth fault occurred. OPTCL may share the details	No	NA	OPTCL	WR
26	400KV-PUSAULI(PG)-NABINAGAR(BRBCL)-2	29-12-2023	06:28	Pusauli:B_N, Zone-1, 42.2 km, 5.97 kA	Nabinagar:B_N ,43.1 km, 3.9 kA	B-Earth	100	A/r successful. Tripped again within reclaim time	Yes	No	PG ER-1	BRBCL