



सत्यमेव जयते

भारत सरकार

Government Of India

विद्युत मंत्रालय

Ministry Of Power

पूर्वी क्षेत्रीय विद्युत समिति

Eastern Regional Power Committee

14 Golf Club Road, Tollygunje-70033 Website: www.erpc.gov.in

सं./NO. पू.क्षे.वि.स./PROTECTION/2024/1577

दिनांक /DATE: 09.02.2024

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

विषय : पू.क्षे.वि.स. की 132nd संरक्षण समन्वय उप-समिति (पीसीसी) की बैठक हेतु सूचना।

Sub: Notice for 132nd Protection Coordination sub-Committee (PCC) meeting of ERPC.

Sir/Madam,

यह सूचित किया जाता है कि पू.क्षे.वि.स की 132nd पीसीसी बैठक 20 फरवरी 2024 (मंगलवार) 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 132nd PCC meeting of ERPC will be held on 20th February 2024 (Tuesday) 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 131st Protection sub-Committee Meeting of ERPC
- 2) Analysis of following grid disturbances of January-2024:
 - Disturbance at 220/132 kV Biharsharif(BSPTCL) S/s on 14.01.2024 at 04:022 Hrs.
 - Grid Disturbance at Kahalgaon STPP (NTPC) on 30.01.2024 at 06:48 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)

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
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, 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., 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	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, Jharkhand 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 January-2024

Sl. No.	LINE NAME	TRIP DATE	TRIP TIME	Relay Indication LOCAL END	Relay Indication REMOTE END	Remarks	DR/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END	LOCAL END UTILITY	REMOTE END UTILITY
1	400 KV-NEW PURNEA-KISHANGANJ-1	01-01-2024	12:56	New Purnea: R_B, 43.96 km, Ir: 7.5 kA, Ib: 7.4 kA	Kishanganj: R_B, 26.5 km, Ir=Ib=10.46 kA	Due to non switchable line reactor after breaker opening large ringdown voltage in all phases observed.	YES	YES	PG ER-1	PG ER-1
2	220 KV-RANCHI-MTPS(DVC)-1	03-01-2024	04:00	Ranchi: R_N, 95.938 km, 1.91 kA, A/r successful	MTPS: R_N, 131.8 km, 1.319 kA	A/R successful only from Ranchi end.DVC may explain.	YES	NO	PG ER-1	DVC
3	220 KV-RANCHI-MTPS(DVC)-1	03-01-2024	20:25	Ranchi: R_N, 51.7 km, 3.44 kA, A/r successful	MTPS: R_N, 157 km, 1.11 kA	A/R successful only from Ranchi end.DVC may explain.	YES	NO	PG ER-1	DVC
4	220 KV-BOLANGIR-SADEIPALLI-1	04-01-2024	17:05		Sadeipalli: R_ph LA burst	Evolving fault at the starting it was R-n and R phase breaker tripped at sadepalli end then converted to Y-B also	YES	YES	PG Odisha	OPTCL
5	400 KV-GOKARNA-NEW PURNEA-1	06-01-2024	11:43		New Purnea: DT received	No fault observed tripped without any fault DT received at N purnea.	YES	NO	WBSETCL	PG ER-1
6	220 KV-SITAMARHI-RAXAUL-1	08-01-2024	02:59	Sitamarhi: B_N, 21 km, 5.60 kA	Raxaul: B_N, 2.36 kA	A/R attempted but unsuccessful from both ends.	YES	YES	PMTL	BSPTCL
7	220 KV-DALTONGANJ-LATEHAR (JUSNL)-1	09-01-2024	13:58	Daltonganj: Y_B, 33.03 km, Iy=Ib=3.07 kA	Latehar: Y_B, 12.80 km	Y-B phase to phase fault	YES	NO	PG ER-1	JUSNL
8	765 KV-GAYA-BALIA-1	11-01-2024	10:32	Gaya: Y_B, 221 km, Iy: 4.04 kA, Ib: 3.52 kA		Y-B phase to phase fault	YES	NO	PG ER-1	NR
9	220 KV-CHUKHA-BIRPARA-1	11-01-2024	15:34		Birpara: Didn't trip		NO	NO	BHUTAN	PG ER-2
10	220 KV-CHUKHA-BIRPARA-2	11-01-2024	15:34		Birpara: Didn't trip		NO	NO	BHUTAN	PG ER-2
11	400 KV-PATNA-BARH-3	12-01-2024	06:47	Patna: Y_N, 68.9 km, 3.6 kA, A/r successful	Barh: Y_N, 30.56 kA	A/R successful from Patna and Barh end it seems Y phase MCB didn't open ,R&B phase opened while TCB of R phase didn't open and rest 2 phase TCB opened ,and fault was cleared due to transient nature .Y phase V & I 90 degree showing charging current may be checked by BARH in detail.	YES	YES	PG ER-1	NTPC
12	400 KV-KAHALGAON-BARH-1	12-01-2024	06:47	Kahalgaon: R_N, Zone-2		Seems did not tripped from Barh end, whether tripped from kahalgaon end or not as pre and post fault current are same in all phases.	NO	YES	NTPC	NTPC

Sl. No.	LINE NAME	TRIP DATE	TRIP TIME	Relay Indication LOCAL END	Relay Indication REMOTE END	Remarks	DR/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END	LOCAL END UTILITY	REMOTE END UTILITY
13	220 KV-JODA-RAMCHANDRAPUR-1	12-01-2024	10:54	Joda: Y_N, 11.36 km, 3.98 kA			NO	NO	OPTCL	JUSNL
14	400 KV-ARAMBAGH-BAKRESHWAR-1	13-01-2024	04:16	Arambagh: B_N, 47.5 km, 2.42 kA	Bakreshwar: B_N, 80 km, 2.8 kA	A/R unsuccessful	NO	NO	WBSETCL	WBPDCCL
15	220 KV-MAITHON-KALYANESHWARI-1	15-01-2024	09:55	Maithon: Didn't trip	Kalyaneshwari: Bus fault	Bus fault at Kalyaneswari	YES	NO	PG ER-2	DVC
16	400 KV-MUZAFFARPUR-GORAKHPUR-1	15-01-2024	11:21	Muzaffarpur: R_Y, 154.5 km, Ir=Iy=4.021 kA		R-Y phase to phase fault	YES	NO	PG ER-1	NR
17	400 KV-PPSP-BIDHANNAGAR-1	17-01-2024	01:54	PPSP: B_N, 142.8 km, 3.008 kA	Bidhannagar: B_N, 0.541 km, 15.364 kA	No A/R at PPSP end	NO	YES	WBSEDCL	WBSETCL
18	400 KV-JEERAT-BAKRESHWAR-1	17-01-2024	02:12	Jeerat: B_N, 152.8 km, 2.85 kA	Bakreshwar: B_N, 17.94 km, 6.386 kA	A/R attempted but unsuccessful from both ends.	YES	YES	WBSETCL	WBPDCCL
19	765 KV-PUSAULI-FATEHPUR-1	17-01-2024	15:09	Pusauly: Y_B, 157 km, Iy-2 kA, Ib-2.2 kA	Fatehpur: Y_B, 208 km, Iy-4 kA, Ib-4.5 kA	Y-B phase to phase fault	YES	NO	PG ER-1	NR
20	400 KV-BIHARSHARIF-LAKHISARAI-1	18-01-2024	02:47	Biharsharif: Y_N, 48.8 km, 6.16 kA			NO	NO	PG ER-1	PG ER-1
21	400 KV-BARH-KAHALGAON-2	18-01-2024	03:08	Barh: Y_N, 154 km, 3.277 kA	Kahalgaon: Y_N, 64.87 km, 7.4 kA	D/R of restoration instance uploaded.	YES	NO	NTPC	NTPC
22	765 KV-MEDINIPUR-NEW JEERAT-2	18-01-2024	12:06	Medinipur: R_N, 52 km, 5.35 kA	New Jeeat: R_N, 100 km, 3 kA	A/R attempted but unsuccessful from both ends.	YES	YES	PMJTL	PMJTL
23	220 KV DALKHOLA-DALKHOLA(PG)-1	18-01-2024	13:22	Dalkhola: Master Trip relay operated			NO	NO	WBSETCL	PG ER-2
24	220 KV CHANDIL-SANTALDIH-1	18-01-2024	23:25		Santal dih: Y_N, 15.57 km, 6.87 kA	3 phase tripping at Chandil end no A/R attempt while at STPS A/R attempted but failed.	YES	YES	JUSNL	WBPDCCL
25	765 KV JHARSUGUDA-DHARAMJAIGARH-1	19-01-2024	01:19	Jharsuguda: B_N, 114 km, 5.03 kA		A/R attempted but unsuccessful from both ends.	YES	NO	PG Odisha	WR
26	220 KV-RENGALI-RENGALI(PG)-1	21-01-2024	07:04	Rengali: Iy: 5.2 kA	Rengali (PG): Didn't trip		NO	NO	OPTCL	PG Odisha

Sl. No.	LINE NAME	TRIP DATE	TRIP TIME	Relay Indication LOCAL END	Relay Indication REMOTE END	Remarks	DR/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END	LOCAL END UTILITY	REMOTE END UTILITY
27	220 KV-RENGALI-RENGALI(PG)-2	21-01-2024	07:04	Rengali: Iy: 5.4 kA	Rengali (PG): Didn't trip	Reason may be explained no D/R received	NO	NO	OPTCL	PG Odisha
28	400 KV-DURGAPUR-SAGARDIGHI-1	21-01-2024	10:31		Saagdighi: Master trip relay operated		NO	NO	PG ER-2	WBPDC
29	220 KV PATNA-FATUAH-1	21-01-2024	20:17	Patna: DT received	Fatuah: LBB operated	LBB operated	NO	NO	PG ER-1	BSPTCL
30	220 KV-BOLANGIR-KATAPALLI-1	21-01-2024	21:56	Bolangir: Y_N, 94.13 km, 1.8 kA		A/R successful from Katpalli end , No A/R from Bolangir	NO	YES	PG Odisha	OPTCL
31	400 KV-ALIPURDUAR-BINAGURI-3	22-01-2024	01:43	Alipurduar: B_N, 68 km, 1.7 kA	Binaguri: B_N, 60 km, 3.5 kA	During dead time of A/R sufficient induced voltage in faulty phase even after breaker opening may have lead to unsuccessful a/r	YES	YES	PG ER-2	PG ER-2
32	400 KV-RANCHI-RAGHUNATHPUR-2	23-01-2024	09:33	Ranchi: Didn't trip			NO	NO	PG ER-1	DVC
33	400 KV-ALIPURDUAR-PUNATSANGCHUN-JIGMELLING-2	26-01-2024	07:02				NO	NO		
34	400 KV-DSTPS-JAMSHEDPUR-1	27-01-2024	06:51	DSTPS: O/V Operated	Jamshedpur: DT received		NO	NO		
35	400 KV-BIHARSHARIF-KODERMA-1	28-01-2024	20:33	Biharsharif: R_N, 4 km, 13.5 kA			NO	NO		
36	220 KV-BOLANGIRNEW220KV-220 KV-KESINGA220KV-1	30-01-2024	13:24	Bolangir end: R-E, F/c 2.23 kA, 49.9 km	Kesinga end: R-E, F/C 1.42 kA, 44.5 km		NO	NO		
37	220 KV-MUZAFFARPUR 400KV-220 KV-GORAUL 220kV-2	30-01-2024	17:58	End due to fault in 132 KV side .			NO	NO		