



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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NO. ERPC/PROTECTION/2021/439

DATE: 06/07/2021

To,

As per list enclosed,

Sub: Notice for 104th Protection Coordination sub-Committee (PCC) meeting of ERPC

Sir,

Notice is hereby given that **104th PCC meeting** of ERPC will be held on **13.07.2021 (Tuesday)** from **10:30 hrs** through **online Microsoft Teams meeting platform**. The meeting link will be forwarded through e-mail or message. You are requested to enter the participant name and designation and organisation name while joining the meeting. The following coordinator may be contacted for any assistance:

Kumar Satyam, Asst. Director-II, ERPC, Mob: 7355225072, E-mail: satyam.24365@gov.in

The tentative agenda items for discussion will be as follows:

- 1) Confirmation of the minutes of 103rd Protection sub-Committee Meeting of ERPC.
- 2) Analysis of following grid disturbances of June 2021:
 - Total Power Failure at 220 kV Sonenagar (BSPTCL) Substation on 01/06/2021 at 11:56 Hrs, 07/06/2021 at 13:15 Hrs, 21/06/2021 at 11:15 Hrs, 24/06/2021 at 13:42Hrs & 30/06/2021 at 19:13 Hrs and Disturbance on 25/06/2021 at 16:04 Hrs
 - Total Power Failure at 220 kV Barauni (BSPTCL) Substation on 01/06/2021 at 17:03 Hrs
 - Disturbance at 220 kV Biharsharif (BSPTCL) Substation on 01/06/2021 at 17:10 Hrs
 - Disturbance at 220 kV Hazipur (BSPTCL) Substation on 09/06/2021 at 20:46 Hrs
 - Total Power Failure at 220 kV Tashiding HEP on 25/06/2021 at 04:54 Hrs
- 3) Status of Implementation of Islanding Schemes in Eastern Region.
- 4) Follow up of decision of previous Protection Coordination sub-Committee Meetings.
- 5) Single line tripping incidences of transmission elements for the month of **June 2021** as enclosed at **Annexure-1**.

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 trippings 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).

Your participation in the meeting is highly solicited.

Yours faithfully,


(D. K. Bauri)

Superintending Engineer(O& PS)

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 (O&M), 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 (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 (DMTCL),503,Windsor, Off CST Road, Kalina, Santacruz(E), Mumbai-400098	ShriBrajesh Kumar Pande, Plant Head, JITPL. (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 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 JUNE-2021

S.NO	LINE NAME	TRIP DATE	TRIP TIME	Relay Indication LOCAL END	Relay Indication REMOTE END	Reason	Fault Clearance time in msec	Remarks	DR CONFIRMATION DESCRIPTION	DR/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END	LOCAL END UTILITY	REMOTE END UTILITY
1	400KV-MUZAFFARPUR-GORAKHPUR-1	06-01-2021	02:03	MFR: B-N, 60.78Km, 5.4kA		B-Earth	<100	B phase fault and B phase MCB &TCB tripped .B phase MCB A/R successful after 1 seconds but at 1.2 seconds again fault in reclaim time and all 3phase MCB got opened but rest 2 phase TCB was closed and after 2 seconds B phase TCB reclosed and got failed and ,3 phase TCB open .At the instance of fault in reclaim time all 3 phase MCB and TCB should have tripped,failing which caused repeated fault feeding .		YES	NO	PG-ER-1	
2	400KV-BINAGURI-ALIPURDUAR (PG)-1	06-01-2021	01:05	Tripped on over voltage		O/V STG-I	NA	At Apd end Y phase voltage was 16 Kv higher than rest two phases and at Binaguri end voltage was normal .So at APD end CVT neutral earthing may be checked and overall cvt may also be checked.		YES	YES	PG-ER-2	PG-ER-2
3	400KV-MAITHON-DURGAPUR-1	06-01-2021	15:51	MAITHON END:- R-N, 7.39KA, 38.6KM	DURGAPUR END:- R-N, 8.07KA, 31.9KM	R-Earth	<100	Seems 3 phase tripping from Maithon end while at Durgapur end 3 phase A/R after 1 second.		YES	NO	PG-ER-1	DVC
4	220KV-PUSAULI-DEHRI-1	06-01-2021	14:25	pusauli:- B-N FAULT 18.7KM 5.76KA	DEHRI-Z1, BN, 35.91km, 2.55KA	B-Earth	<100	No A/R attempted		NO	YES		BSPTCL
5	400KV-BARH-MOTIHARI-1	06-02-2021	20:49		Z1 Y-N FD- 22.7km FC- 7.57kA	Y-Earth	<100	At Barh end A/R attempted after 1.75 sec and got failed reason may be explained.		YES	NO	NTPC	DMTCL

6	400KV-MERAMUNDALI-LAPANGA-2	06-05-2021	20:22	Meeramundali: B-N, 1.95kA, 199km	Lapanga: B-N, 19.22kM, 14.4kA, A/R unsuccessful	B-Earth	<100	3 Phase tripping from Lapanga end.Meramundali end A/R unsuccessful.		YES	YES	OPTCL	
7	400KV-DURGAPUR-SAGARDIGHI-2	06-05-2021	17:33	Durgapur- Z1 B-N FC-3.3kA FD-113.5km		B-Earth	800	on for delayed tripping may be explained.		NO	YES	PG-ER-2	WBPDC
8	400KV-BAHARAMPUR-BHERAMARA-1	06-07-2021	15:58	successful, R Ph, Z-2, 84.46 km, 3.61 KA,	Bheramera : R-N, Z-1, 23 km, 5 kA	R-Earth	<100	A/R successful from Baharampur end only.		YES	NO	PG-ER-2	
9	400KV-LAPANGA-OPGC (IB THERMAL)-1	06-11-2021	15:54	Lapanga: Z-1, R-Ph, 2.37kM, If=25.52kA		R-Earth	<100	3 PHASE TRIPPING from Lapanga end .No A/R reason may be shared.		YES	NO	OPTCL	
10	400KV-JHARSUGUDA(GIS)-OPGC-1	06-12-2021	17:06	JSG: A/R successful, R-N, 51.35Km, 6.5kA	OPGC: R-N, 3.6Km, 21.59kA	R-Earth	<100	A/R successful from only Jharsuguda end.		YES	NO	PG-ER-3	OPTCL
11	400KV-MAITHON-MAITHON RB-1	15/06/2021	15:43	RB end- Z1 Y-n FD-17.4km FC-10.044kA	Maith PG- AR successful	Y-Earth	<100	A/R successful from PG end,		YES	NO	MPL	PG-ER-1
12	400KV-GOKARNA-SAGARDIGHI-2	17/06/2021	13:11	N, Z-1 , 25.41KM, 10.24KA,	I:- Z-1. R-N, 4.388KM, 15.28KA	R-Earth	<100	3 phase FC opened at sagardighi end at the instance of fault ,while only MCB R phase opened and ,A/R attempted and unsuccessful .		YES	YES	WBSCTCL	WBPDC
13	220KV-CHANDIL-RANCHI-1	22/06/2021	12:59	Ranchi: Y_N, 15.8 KM, 6.1 kA,A/r successful from		Y-Earth	500	Fault in z-1 from ranchi and z-2 from chandil.Ranchi end sent carrier still chandil end tripped after z-2		YES	YES	JUSNL	PG-ER-1
15	400KV-RANCHI-RAGHUNATHPUR-2	24/06/2021	11:57	Ranchi: B-N Fault, FD: 53km, FC: 5.152 KA	A/R SUCCESSFUL AT RTPS END	B-Earth	<100	3 phase tripping from Ranchi without A/R while RTPS end A/R successful.		YES	NO	PG-ER-2	DVC
16	220KV-NEW MELLI-TASHIDING-1	25/06/2021	04:54	New Melli: Y-B, Iy-4.67kA, Ib-5.15kA, 10Km	NA	Y-B-Earth	<100	Y-B Phase to phase fault .		YES	YES	PG-ER-2	DANS
17	220KV-TASHIDING-RANGPO-1	25/06/2021	04:54	Y-B, FD - 7.53Km	Y-B, Iy- 5.4kA, Ib- 5.2kA, 44.42Km	Y-B-Earth	<100	Y-B phase fault initially in z-2 of rangpo sensing the fault of Thepnew melli then same fault cleared but again within few ms same YB phase fault observed IN Z-1 and line tripped.Seems fault due to back flashover .High voltage in Y-B phases observed at the time of tripping.		YES	YES	PG-ER-2	
18	220KV-NEW PURNEA-MADHEPURA-1	26/06/2021	10:35	NEW PURNEA: B-N, Z-1, FD: 82.7kM, FC:	Madhepura: B-N, Z1 ,12.3km	B-Earth	500	Fault in z-2 from purnea ,but carrier not receipt from madhepura although it was sent .Plcc		YES	YES	PG-ER-2	BSPTCL

