



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति



Eastern Regional Power Committee
14, गोल्फ क्लब रोड, टालीगंज, कोलकाता-700033
14 Golf Club Road, Tollygunj, Kolkata-700033

Tel No.:033-24235199, 24235005 FAX No.:033-24221802, 24221358 Web: www.erpc.gov.in

NO. ERPC/PROTECTION/2016-17/

DATE: 06.11.2017

FAX MESSAGE NO. - 557

To,

As per list enclosed.

Sub: Notice for 61st Protection Coordination sub-Committee (PCC) meeting of ERPC

Notice is hereby given that **61st PCC meeting** of ERPC will be held on **28th November 2017 (Tuesday)** at 11: 00 hrs at **ERPC Conference Room, Kolkata.**

The tentative agenda items for discussion will be as follows:

- 1) Confirmation of the minutes of 60th Protection sub-Committee Meeting of ERPC
- 2) Follow-up action on decision of previous Protection sub-Committee Meetings
- 3) Analysis of following grid disturbances of October, 2017:
 - Disturbance at 400 kV Teesta-V S/s on 12-10-17 at 12:55 hrs.
 - Repeated disturbances at 400kV Teesta III on 13-10-17 at 14:39 hrs, 26-10-17 at 12:02 hrs and 27-10-17 at 13:17 hrs
 - Disturbance at 220 kV Chandaka(OPTCL) on 17-10-17 at 10:23 hrs
 - Disturbance at 132 kV Purnea S/s on 18-10-17 at 18:19 hrs
 - Disturbance at 400 kV Dikchu S/s on 19-10-17 at 11:55 hrs
 - Disturbance at 220 kV Madhepura S/s on 20-10-17 at 23:53 hrs
 - Disturbance at 132 kV Sultanganj S/s on 26-10-17 at 09:22 hrs
 - Disturbance at 220 kV Budhipadar S/s on 01-10-17 at 09:25 hrs
 - Disturbance at 400 kV Kahalgaon S/s on 15-10-17 at 10:15 hrs
- 4) Single line tripping incidences as per list enclosed at **Annexure-I.**

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 for meaningful analysis during the meeting. 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:8185.

Your participation in the meeting is highly solicited. Please confirm your participation in the meeting along with name and designation of the participants.

Yours faithfully,

-sd-

(J. Bandyopadhyay)
Member Secretary

LIST OF ADDRESSES:

Chief Engineer, Trans (O&M) Bihar State Electricity Board, Vidyut Bhawan, Bailey Road, Patna-800021	Electrical Superintending Engineer (CRITL) Bihar State Electricity Board, Vidyut Bhawan, Bailey Road, Patna-800021
Chief Engineer (SLDC) Damodar Valley Corporation, GOMD-I Premises, P.O.- Danesh Seikh Lane, Howrah- 711109	Chief Engineer (CTC) Damodar Valley Corporation, P.O. Maithon Dam, Dist. Dhanbad, Jharkhand-828207
Chief Engineer, Trans (O&M) Jharkhand State Electricity Board Kusai Colony, Doranda, Ranchi-834002	Electrical Superintending Engineer (CLD) Jharkhand State Electricity Board, 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. Vanivihar Chowk, 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, Andul Road, Howrah-711109	Addl. Chief Engineer (ALDC) West Bengal Electricity Distribution Company Ltd Vidyut Bhavan, 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, Sasi Sekhar 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 (O&M) POWERGRID, Odisha Projects Sahid Nagar, Bhubaneswar – 751 007
General Manager(OS), ERHQ-I, NTPC Ltd., Loknayak Jaiprakash Bhawan, (2 nd Floor), Dak Bungalow Chawk, Patna-800001	Director (GM Division) Central Electricity Authority Sewa Bhawan, R. K. Puram, New Delhi-110066
Executive Director (O&M) NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003 (Fax-01292272413)	Electrical Superintending Engineer, TTPS, Tenughat Vidyut 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
General Manager, ERLDC, POSOCO 14, Golf Club Road, Tollygunge, Kolkata-700033	Manager (Electrical), Adhunik Power & Natural Resources Ltd. “Lansdowne Towers, Kolkata-700020 (Fax No. 033-2289 0285)
General Manager (OS), ER-II Power Grid Corporation of India Ltd., J-I-15, Block-EP, Sector-V, Salt Lake, Kolkata-91	Shri A.K.Nayak/Shri Sumit S Ghosh 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	Vice President, Vedanta Ltd. 1 st Floor, Module C/2, Fortune Tower, C S Pur, Bhubaneswar- 751023
Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.	Managing Director, Druk Green Power Corprn. P.O. Box-1351, Thimpu, Bhutan.
Darbhangha(Bihar), Darbhangha Motihari Transmission Company Limited (DMTCL)	Head Construction, ENCIL, Siliguri-7340051
Shri D. P. Bhagava, Chief Consultant (O&M), Teesta Urja Limited, New Delhi (FAX:011-46529744)	Shri Brajesh Kumar Pande, Plant Head, JITPL. (FAX:011-26139256-65)

List of important transmission lines in ER which tripped in October-2017

LINE NAME	TRIP DATE	TRIP TIME	RESTORATION DATE	RESTORATION TIME	Relay Indication LOCAL END	Relay Indication REMOTE END	Reason	Fault Clearance time in msec	Auto Recloser status
Fault Clearing time violating protection standard									
400KV ALIPURDUAR-BONGAIGAON-II	07/10/2017	10:59	07/10/2017	11:30	Z-2,R-N,F/C=3.7KA,F/D=78.09 KM	R-N Fault , Z1, 37.63 Km	R-N Fault	600 msec	
400KV ALIPURDUAR-BONGAIGAON-I	28/10/2017	8:54	28/10/2017	9:13	R_N,Z-2,73.8 KM,4 KA	zone 1,R_N,39.60 km,1.39 KA , A/R successful	R-N FAULT	600 msec	No Auto-reclose operation at Alipurduar
400KV ALIPURDUAR-BONGAIGAON-I	30/10/2017	14:45	30/10/2017	14:58	Y-N Fault,A/R successful		Y-N Fault	300 msec	No Auto-reclose operation at Bongaigaon
No Autoreclose operation observed in PMU data									
220KV MAITHON-DHANBAD-II	01/10/2017	14:47	01/10/2017	16:04		R PHASE ,ZONE 1 FAULT DISTANCE 77.24 KM FAULT CURRENT 4.45 kA	R-N Fault	< 100	No Auto-reclose operation found in PMU
400KV RANCHI-ROURKELA-II	01/10/2017	16:44	01/10/2017	16:59	Y-N fault. FD= 51.6 KM, F.C.= 5.3 KA	YN,ZI, 3.548KA, 98.42KM, A/R Successful	Y-N Fault	< 100	No Auto-reclose operation found in PMU
400KV MEERAMUNDALI-STERLITE-II	01/10/2017	19:47	01/10/2017	20:29	R-N,2.87 KA,168 KM		R-N Fault	< 100	No Auto-reclose operation found in PMU
400KV MEERAMUNDALI-STERLITE-I	04/10/2017	16:23	04/10/2017	17:43	Ir=6.3 KA, 23.8 KM.		R-N Fault	< 100	No Auto-reclose operation found in PMU
400KV MEERAMUNDALI-STERLITE-I	06/10/2017	11:24	06/10/2017	12:54	R-N, ZONE-1,46.0 KM, IL1-7.94 KA		R-N Fault	< 100	No Auto-reclose operation found in PMU
220KV CHUKHA-BIRPARA-I	06/10/2017	16:20	06/10/2017	16:46	Y_N, Z I, F.D. 44.78 KM, F.C. 2.5 kA		Y-N Fault	< 100	No Auto-reclose operation found in PMU
400KV ROURKELA-CHAIBASA-I	07/10/2017	16:33	07/10/2017	16:52	Z-2,B-N,F/D-145.4KM, F/C-2.434KA	B_N, Zone I, F.D. 6.6 KM, F.C. 12.1 kA	B-N Fault	< 100	No Auto-reclose operation found in PMU
400KV KOLAGHAT-NEW CHANDITALA-SC	08/10/2017	8:40	08/10/2017	9:32	R-N FAULT		R-N FAULT	< 100	No Auto-reclose operation found in PMU
400KV MEERAMUNDALI-MENDHASAL-I	09/10/2017	11:49	09/10/2017	12:10	B_N		B-N Fault	< 100	No Auto-reclose operation found in PMU
400KV MEERAMUNDALI-STERLITE-II	09/10/2017	20:01	09/10/2017	20:19	RN, Z_I, 168.3KM , IR: 2.88KA		R-N FAULT	< 100	No Auto-reclose operation found in PMU
220KV Khalgaon BSEB-LALMATIA-I	15/10/2017	9:28	15/10/2017	10:05		R-N Fault	R-N Fault	< 100	No Auto-reclose operation found in PMU
220KV DARBHANGA (DMTCL)-MOTIPUR-II	17/10/2017	14:19	17/10/2017	14:30	BN		B-N Fault	< 100	No Auto-reclose operation found in PMU
400KV JEERAT-NEW CHANDITALA-SC	18/10/2017	10:47	18/10/2017	11:08	C N Z1 26KM 6.6KA	C,N 52 KM 3.9KA	B-N Fault	< 100	No Auto-reclose operation found in PMU
220KV TENUGHAT-BIHARSARIFF-I	19/10/2017	10:15	19/10/2017	10:45	R-N,Z-1	R-N,Z-1	R-N Fault	< 100	No Auto-reclose operation found in PMU

LINE NAME	TRIP DATE	TRIP TIME	RESTORATION DATE	RESTORATION TIME	Relay Indication LOCAL END	Relay Indication REMOTE END	Reason	Fault Clearance time in msec	Auto Recloser status
400KV MEERAMUNDALI-MENDHASAL-SC	21/10/2017	7:33	21/10/2017	18:34	B-N,24KM FC 8KA		B-N Fault	< 100	No Auto-reclose operation found in PMU
220KV FSTPP-LALMATIA-I	22/10/2017	12:58	22/10/2017	15:29	B_N	CB CLOSED AT LALMATIA	B-N Fault	< 100	No Auto-reclose operation found in PMU
220KV JAYNAGAR-JEYPORE-I	23/10/2017	18:09	23/10/2017	23:05	CB CLOSED AT JAYNAGAR	R_N,Z_1,12.32 KA,4.853	R-N Fault	< 100	No Auto-reclose operation found in PMU
220KV RANCHI-HATIA-II	25/10/2017	10:08	25/10/2017	10:38	Z1,B-N, F/C-3.77KA, F/D-22KM	Z1,B-N, F/D-24.18KM		< 100	No Auto-reclose operation found in PMU
400KV MEERAMUNDALI-STERLITE-I	25/10/2017	13:21	25/10/2017	15:37	B-N,197 KM,2.55 KA		B-N Fault	< 100	No Auto-reclose operation found in PMU
220KV PATNA-KHAGAUL-SC	28/10/2017	12:23	28/10/2017	13:05	7.31 KA,9.91 KM,B_N	Zone-1, 18.83km, b_n,due to interference with bamboos.	B-N Fault	< 100	No Auto-reclose operation found in PMU
220KV CHUKHA-BIRPARA-I	29/10/2017	0:03	29/10/2017	9:44		B-N, Z-1, DIST 35.31KM , FC 3.248KA	B-N fault	< 100	No Auto-reclose operation found in PMU
400KV MEERAMUNDALI-STERLITE-I	29/10/2017	11:57	29/10/2017	17:46	b-n , z-1 , f/d-190 km,f/c-2.5 ka		B-N fault	< 100	No Auto-reclose operation found in PMU

Miscellaneous: Tripping on DT, No reason furnished

400KV RANCHI-RAGHUNATHPUR-II	01/10/2017	16:44	01/10/2017	17:52	Did not tripped	DT Recieved at RTPS end	DT Recieved at RTPS end		
400KV RANCHI-RAGHUNATHPUR-III	01/10/2017	16:44	01/10/2017	17:52	Did not tripped	DT Recieved at RTPS end	DT Recieved at RTPS end		
400KV BIHARSARIFF-PUSAULI-I	04/10/2017	21:37	04/10/2017	22:33	Maloperation of O/V relay		Maloperation of O/V relay at Biharshariff		
400KV PATNA-KISHANGANJ-II	06/10/2017	15:11	06/10/2017	16:17	DT received at Patna	O/V Relay mal-operrated at Kishanganj (Voltage around 411 KV)	O/V Relay mal-operrated at Kishanganj (Voltage around 411 KV)		
400KV MAITHON-MAITHON RB-I	11/10/2017	11:14	11/10/2017	12:30	Maloperation of protection element at Maithon	Did not tripped	Maloperation of protection element at Maithon		
400KV JEYPORE-BOLANGIR-SC	16/10/2017	13:00	16/10/2017	13:18		Opened from Bolangir end only	Opened from Bolangir end only		
400KV BIHARSARIFF-BALIA-I	17/10/2017	10:56	17/10/2017	11:27	DT received at BSF		DT received at BSF		
400KV BOLANGIR-ANGUL-SC	20/10/2017	9:28	20/10/2017	11:10	SPURIOUS DT SENT FROM BOLANGIR		SPURIOUS DT SENT FROM BOLANGIR		
1500MVA ICT-1 AT ANGUL	20/10/2017	9:28	20/10/2017	14:16	SPURIOUS PRV OPERATED		SPURIOUS PRV OPERATED		
400KV MENDHASAL-PANDIABILI-I	21/10/2017	9:11	21/10/2017	10:43	CB opened from Mendhasal end		CB opened from Mendhasal end		
220KV NEW PURNEA-MADHEPURA-II	30/10/2017	16:04	30/10/2017	16:14	TRIPPED FROM PURNEA END		TRIPPED FROM PURNEA END		