



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/2018/

DATE: 06.04.2018

FAX MESSAGE NO. - 142

To,

As per list enclosed.

Sub: Notice for 66th Protection Coordination sub-Committee (PCC) meeting of ERPC

Notice is hereby given that **66th PCC meeting** of ERPC will be held on **25th April 2018 (Wednesday)** at 10: 30 hrs (**Repeat at 10:30 hrs**) at **ERPC Conference Room, Kolkata.**

The tentative agenda items for discussion will be as follows:

- 1) Confirmation of the minutes of 65th 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 March, 2018:
 - Total power failure at 220/132 kV Waria S/S on 09-03-2018 at 17:15 hrs
 - Tripping of 220 kV Jorethang - New Melli D/C and 220 kV Tashiding -New Melli S/C lines on 22-03-2018 at 20:38 hrs
 - Tripping of 220 kV Tashiding - Rangpo S/C and 220 kV Tashiding - New Melli lines on 26-03-2018 at 17:19 hrs
 - Tripping of 220 KV Muzaffarpur-Hazipur D/C line on 21-03-2018 at 13:03 hrs.
 - Disturbance at 400/220 kV Biharshariff S/s on 28-03-2018 at 18:43 hrs and 19-03-2018 at 02:02 hrs.
 - Disturbance at 400 kV Farakka S/s on 30-03-2018 at 13:57 hrs.
 - Tripping of 132 kV NBU - Lebung S/C, 132 kV NBU - Rammam S/C, 132 kV Siliguri - Kurseong S/C, 132 kV Melli - Siliguri S/C and 132 kV Melli - Rangpo S/C lines on 11-03-2018 at 15:05 hrs
 - Tripping of 132 KV Lakhisarai-Lakhisarai D/C lines on 19-03-2018 at 05:35 hrs
 - Disturbance at 220/132 kV Old Purnea S/S on 16-03-2018 at 11:15 hrs
 - Disturbance at 132 kV Sabour S/S on 20-03-2018 at 22:34 hrs
 - Disturbance at 132 kV Patratu S/S (DVC) on 25-03-2018 at 14:25 hrs
 - Tripping of Rangit units on 26-03-2018 at 14:40 hrs and 17:56 hrs
 - Tripping of 132 kV Rangpo Gangtok S/C and 132 kV Chujachen - Gangtok S/C on 26-03-2018 at 16:45 hrs
 - Tripping of 132KV KAHALGAON(BSPTCL)-LALMATIA-S/C line on 28-03-2018 at 09:14 hrs and 31-03-2018 at 01:22 hrs.

4) Single line tripping incidences of March, 2018 is 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.

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. Ganeswara Rao)
Executive Engineer

LIST OF ADDRESSES:

Chief Engineer, Trans (O&M) Bihar State Power Transmission Limited, Viduyut Bhawan, Bailey Road, Patna-800021	Electrical Superintending Engineer (CRITL) Bihar State Power Transmission Limited, Viduyut 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 Urja Sancharan Nigam Limited Kusai Colony, Doranda, Ranchi-834002	Electrical Superintending Engineer (CLD) Jharkhand Urja Sancharan 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. 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 Viduyut 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 Bunglow Chawk, 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, 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
Executive Director, ERLDC, POSOCO, Tollygunge, Kolkata-700033	Head Construction, ENCIL, Siliguri-7340051
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.
General Manager, Darbhanga(Bihar), Darbhanga Motihari Transmission Company Limited (DMTCL)	Shri Brajesh Kumar Pande, Plant Head, JITPL. (FAX:011-26139256-65)
Shri D. P. Bhagava, Chief Consultant (O&M), Teesta Urja Limited, New Delhi (FAX:011-46529744)	Director (GM Division), Central Electricity Authority Sewa Bhawan, R. K. Puram, New Delhi-110066
Director (NPC), CEA, NRPC Building, Katwaria Sarai, 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	

List of important transmission lines in ER which tripped in March 2018

S.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
Multiple tripping at the same time										
1	400KV BAHARAMPUR-SAGARDIGHI-II	15-03-2018	20:05	15-03-2018	20:25	Did not tripped		TRIPPED FROM SAGARDIGHI END ONLY	--	Fault not observed in PMU data
2	400KV FSTPP-BAHARAMPUR-SC	15-03-2018	20:05	15-03-2018	21:42	Did not tripped		TRIPPED FROM SAGARDIGHI END ONLY	--	Fault not observed in PMU data
3	132KV RANGPO-MELLI-SC	22-03-2018	18:03	22-03-2018	18:26	R_Y,2.6 KM,R-1.67 KA;Y-1.56 KA		R-Y FAULT	<100	
4	132KV MELLI-SILIGURI-SC	22-03-2018	18:03	22-03-2018	18:43	R_Y,104.9 KM,Z2,R-1.43 KA,Y-1.29 KA		R-Y FAULT	<100	
5	220KV TASHIDING-RANGPO-SC	30-03-2018	17:50	30-03-2018	17:50	B_N;Z-1,27.28 KM,1.356 KA	Did not tripped	B-N FAULT	--	
6	220KV NEW MELLI-TASHIDING-SC	30-03-2018	17:50	30-03-2018	17:50		Z1,B_N,9.926 KM,1.653 KA	B-N FAULT	--	
7	220KV ATRI-PANDIABILI-II	31-03-2018	18:48	31-03-2018	19:21	86 RELAY OPERATED		86 RELAY OPERATED AT ATRI	<100	
8	220KV PANDIABILI-SAMANGARA-I	31-03-2018	18:48	31-03-2018	19:43	R-N fault, f/c=1.1 KA		R-N FAULT	<100	
Miscellaneous: Tripping on DT, No reason furnished, No Fault observed in PMU										
9	400KV RANCHI-SIPAT-I	07-03-2018	7:09	07-03-2018	7:33	DT RECEIVED		DT RECEIVED AT RANCHI	--	Fault not observed in PMU data
10	765KV NEW RANCHI-DHARAMJAIGARH-I	12-03-2018	16:56	12-03-2018	20:30	DT RECEIVED		DT RECEIVED AT NEW RANCHI	--	Fault not observed in PMU data
11	220KV ATRI-PANDIABILI-II	20-03-2018	12:26	20-03-2018	12:51	MASTER TRIP RELAY OPERATED	Did not tripped	MASTER TRIP RELAY OPERATED AT ATRI	--	Fault not observed in PMU data
12	220KV PUSAULI-NADHOKAR-SC	26-03-2018	0:30	26-03-2018	0:53	Transient Fault, Distance trip		Distance protection at Pasuali	--	Fault not observed in PMU data
13	400KV DARBHANGA (DMTCL)-MUZAFFARPUR-I	26-03-2018	18:31	26-03-2018	19:06		DT received	DT received at Muzaffarpur	--	Fault not observed in PMU data
14	220KV ATRI-PANDIABILI-II	28-03-2018	11:58	28-03-2018	12:22	86 a b operated, carrier received	DT received	DT received at Pandialili	--	Fault not observed in PMU data
15	220KV NEW MELLI-JORETHANG-I	30-03-2018	17:45	30-03-2018	17:47	Did not tripped	831.4 A,ZONE 1,B-N,1.749 KM	B-N FAULT	--	Fault not observed in PMU data
No Autoreclose operation observed in PMU data										
16	400KV BINAGURI-NEW PURNEA-I	06-03-2018	13:14	06-03-2018	13:31	B-N , 30KM , 5 KA		B-N FAULT	< 200	No autoreclose operation observed in PMU data
17	400KV MOTIHARI-BARH-II	19-03-2018	11:26	19-03-2018	11:53	B-N, 4.33 KA, DIST 22.3	B-N,219 KM, 1.6 KA	B-N FAULT	<100	No autoreclose operation observed in PMU data
18	400KV MEERAMUNDALI-STERLITE-I	19-03-2018	11:30	19-03-2018	17:56	B-N, 174.2 KM, 2.24 KA		B-N FAULT	<100	No autoreclose operation observed in PMU data
19	400KV JHARSUGUDA-ROURKELA-II	20-03-2018	12:58	20-03-2018	13:44	R-N, 48. km, 5.7kA	R-N, 72 km, 3.11 kA	R-N FAULT	<100	No autoreclose operation observed in PMU data
20	400KV MALDA-NEW PURNEA-I	23-03-2018	6:49	23-03-2018	7:20	B-N, 63.48 KM,	B-N, 74.81 KM, 3.78 KA	B-N FAULT	<100	No autoreclose operation observed in PMU data