



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
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NO. ERPC/PROTECTION/2018/

DATE: 05.11.2018

FAX MESSAGE NO. -

To,

As per list enclosed.

Sub: Notice for 73rd Protection Coordination sub-Committee (PCC) meeting of ERPC

Notice is hereby given that **73rd PCC meeting** of ERPC will be held on **29th November 2018 (Thursday)** 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 72nd 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, 2018:

Sl No	Date	Time	Affected System	Summary	Load loss (MW)	Gen loss (MW)	Fault duration (As Per PMU)
1	01-10-2018	15:41	ISTS	At 15:41 hrs, 400 kV Binaguri - Rangpo - I tripped on R-N fault resulting generation loss at Teesta III, Jorethang, Dikchu, Chujachen and Tashiding due to operation of SPS - I at Rangpo.	0	856	1.2 sec
2	03-10-2018	17:23	JUSNL	220 kV PTPS - Hatia D/C were under shutdown. 220 kV Hatia - Ranchi D/C tripped from Hatia end due to suspected bus fault at Hatia	200	52	Fault not observed in PMU
3	04-10-2018	00:18	JUSNL	220 kV PTPS - Hatia D/C were under shutdown. 220 kV Hatia - Ranchi D/C tripped from Hatia end due to suspected bus fault at Hatia	130	52	Fault not observed in PMU
4	07-10-2018	16:56	ISTS	220 kV Purnea - Purnea D/C and 220 kV Purnea - Dalkhola D/C tripped due to Y phase CVT failure of 220 KV Purnea - I at Purnea Old end	160	0	600 ms
5	20-10-2018	09:48	BSPTCL	220 KV New Purnea-Madhepura I was kept open due to high voltage condition. At 09:48 hrs 220 kV Purnea - Madhepura - II tripped on R-N fault resulting total power failure at Madhepura.	62	0	560 ms approx

SI No	Date	Time	Affected System	Summary	Load loss (MW)	Gen loss (MW)	Fault duration (As Per PMU)
6	27-10-2018	10:24	TPTL	At 10:24 Hrs, 220 KV TLDP-III – NJP tripped due to Y-B-N fault leading to tripping of all 4 units at TLDP III due to loss of evacuation path	0	134	<100 ms
7	31-10-2018	23:52	ISTS	During PLCC testing of new 765kV Sundargarh-Dharamjaygarh Ckt-4, 765KV Bus-2 along with following 765KV elements connected with the Bus were tripped at 23:52 hrs of 31.10.2018 due to mal-function of Tie LBB relay of 765KV Angul Ckt-1. 1. 765KV 240MVAR Bus reactor-1 2. 765KV 240MVAR Bus reactor-2 3. 765KV Sundargarh-Angul Ckt-1 4. 765KV Sundargarh-darlipali(NTPC) Ckt-1 5. 765KV Sundargarh-darlipali(NTPC) Ckt-2	0	0	Fault not observed in PMU

4) Single line tripping incidences of October-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, Vidyut Bhawan, Bailey Road, Patna-800021	Electrical Superintending Engineer (CRITL) Bihar State Power Transmission Limited, 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
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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
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Managing Director, Bhutan Power Corporation Post Box no. 580, Thimpu, Bhutan.	Managing Director, Druk Green Power Corpn. P.O. Box-1351, Thimpu, Bhutan.
General Manager, Darbhanga(Bihar), Darbhanga	Shri Brajesh Kumar Pande, Plant Head, JITPL.

Motihari Transmission Company Limited (DMTCL)	(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	DGM (E&I), HALDIA ENERGY LIMITED, BARIK BHAWAN, KOKATA-700072, FAX: 033-22360955

CC:

ASSISTANT SECRETARY, ERPC		
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List of line tripping in the month of October 2018 which may be discussed in PCC

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
Miscellaneous: Tripping on DT, No Fault observed in PMU									
400KV INDRAVATI(PG)-INDRAVATI(GR)-SC	10-10-2018	16:49	10-10-2018	17:47	OVERVOLTAGE TRIPPED AT GRIDCO END		OVERVOLTAGE TRIPPED AT GRIDCO END	--	PMU Voltage : 413 KV
400KV MALBASE-BINAGURI-I	13-10-2018	0:16	13-10-2018	0:38	Tripped only at Binaguri, DT received		DT received at Binaguri	--	No fault observed in PMU
400KV BOLANGIR-ANGUL-SC	16-10-2018	2:54	16-10-2018	3:24	DT received at Bolangir	line did not trip from Angul	DT received at Bolangir	--	
400KV BOLANGIR-ANGUL-SC	16-10-2018	3:27	16-10-2018	5:17	DT received at Bolangir	line did not trip from Angul	DT received at Bolangir	--	No fault observed in PMU
400KV ALIPURDUAR-BONGAIGAON-II	16-10-2018	10:44	16-10-2018	11:37	R-N Fault DT Recived		R-N Fault	--	No fault observed in PMU
Autoreclose related issues									
220KV JODA-RAMCHANDRAPUR-SC	02-10-2018	12:10	02-10-2018	12:36	Y-N,245 A,-1 km from joda	y-n,53.71 km,1.99 KA,o/c	Y-N Fault	< 100 msec	No A/R operation found in PMU
400KV ALIPURDUAR-BONGAIGAON-I	09-10-2018	9:07	09-10-2018	9:18	Z2 R-N ,FC 1.107 KA,FD not given	A/R successful,, Z1,R-N,3.39 KA,FD 30.49	R-N Fault	700 msec	No A/R operation found in PMU
400KV KHARAGPUR-CHAIBASA-I	12-10-2018	13:02	12-10-2018	13:36	R-N, Z-1, 21.72km, 8.3 kA	A/R attempted at Chaibasa	R-N Fault	< 100 msec	No A/R operation found in PMU
400KV BARH-MOTIHARI-I	14-10-2018	10:32	14-10-2018	10:56		27.8 KM, BN, 3.3 KA	B-N Fault	< 100 msec	No A/R operation found in PMU
400KV KHARAGPUR-CHAIBASA-II	20-10-2018	11:02	20-10-2018	11:13	B_N Fault	A/R successful	B-N Fault	< 100 msec	No A/R operation found in PMU
220KV JODA-JINDAL-JAMSHEDPUR-I	22-10-2018	12:52	22-10-2018	13:17		BN, Z1, 49.27 KM	B-N Fault	< 100 msec	No A/R operation found in PMU
220KV PUSAULI-SAHUPURI-SC	23-10-2018	12:24	23-10-2018	13:53	R-N, 3.5KA, 40KM		R-N Fault	< 100 msec	No A/R operation found in PMU
220KV KATAPALLI-BOLANGIR(PG)-SC	23-10-2018	12:35	23-10-2018	13:12	B-N, 5.8KA		B-N Fault	< 100 msec	No A/R operation found in PMU
400KV BINAGURI-ALIPURDUAR-I	28-10-2018	11:20	28-10-2018	11:52			B-N Fault (As per PMU)	800 msec	No A/R operation found in PMU
400KV KHARAGPUR-CHAIBASA-I	29-10-2018	12:24	29-10-2018	12:36	Z1, RN, 25.1 KM, 7.29 KA, A/R L/O	RN, 1.70 KA, Z2, 173.5 KM	R-N Fault	< 100 msec	No A/R operation found in PMU