



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/2018/**

**DATE: 08.03.2018**

**FAX MESSAGE NO. - 101**

To,

As per list enclosed.

**Sub: Notice for 65<sup>th</sup> Protection Coordination sub-Committee (PCC) meeting of ERPC**

Notice is hereby given that **65<sup>th</sup> PCC meeting** of ERPC will be held on **28<sup>th</sup> March 2018 (Wednesday)** 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 64<sup>th</sup> 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 February, 2018:
  - Disturbance at 220/132 kV Patraru S/S on 09-02-2018 at 15:00 hrs
  - Disturbance at 400kV Mejia S/s on 19-02-2018 at 18:12 hrs
  - Tripping of 132 kV Birpara(PG) – Birpara(WB) D/C line on 13-02-2018 at 17:53 hrs.
  - Tripping of 132 KV Rangpo-Melli S/C and 132 KV Melli-Siliguri S/c lines on 14-02-2018 at 16:29 hrs
  - Disturbance at 220/132 kV Baripada S/S on 23-02-2018 at 08:54 hrs
  - Disturbance at 220/132 kV Purnea S/S on 25-02-2018 at 10:51 hrs
- 4) Single line tripping incidences of February, 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](http://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 Sheikh 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 Vidyut Bhavan, 7 <sup>th</sup> 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 <sup>rd</sup> 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 <sup>nd</sup> Floor), Dak Bungalow 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 <sup>st</sup> 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	

## List of important transmission lines in ER which tripped in February 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	Auto Recloser status	DR/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END	Remarks
<b>Multiple tripping at the same time</b>													
1	<a href="#">220KV ATRI-PANDIABILI-I</a>	12/02/2018	1:35	12/02/2018	3:06	B-N, Z-I, F/D 3KA		B-N FAULT	<100	No autoreclose operation observed in PMU data			Multiple tripping at same time
2	<a href="#">220KV PANDIABILI-SAMANGARA-I</a>	12/02/2018	1:35	12/02/2018	3:05	B-N FAULT		B-N FAULT	<100	No autoreclose operation observed in PMU data			Multiple tripping at same time
3	<a href="#">220KV ATRI-PANDIABILI-II</a>	17/02/2018	4:49	17/02/2018	5:28	B-N FAULT		B-N FAULT	<100	No autoreclose operation observed in PMU data			Multiple tripping at same time
4	<a href="#">220KV PANDIABILI-SAMANGARA-II</a>	17/02/2018	4:49	17/02/2018	5:30	B-N FAULT		B-N FAULT	<100	No autoreclose operation observed in PMU data			Multiple tripping at same time
5	<a href="#">220KV PANDIABILI-SAMANGARA-II</a>	18/02/2018	5:32	18/02/2018	6:17	B-N,4.1 KM, 1.3 KA	B-N,2.98 KA	B-N FAULT	<100	--			Multiple tripping at same time
6	<a href="#">220KV ATRI-PANDIABILI-II</a>	18/02/2018	5:32	18/02/2018	6:29	B-N, 1.409 KA	Did not trip	B-N FAULT	<100	--			Multiple tripping at same time
7	<a href="#">220KV ATRI-PANDIABILI-II</a>	22/02/2018	14:05	22/02/2018	14:42		Did not trip	TRIPPED ONLY FROM ATRI DUE TO OPERATION OF MASTER TRIP RELAY	<100	--			Multiple tripping at same time
8	<a href="#">220KV PANDIABILI-SAMANGARA-I</a>	22/02/2018	14:05	22/02/2018	14:38	R-N, F/C 2.8KA, 45.5 KM	R-N, Z-I, 15.4 KM, 2.14 KA	R-N FAULT	<100	No autoreclose operation observed in PMU data			Multiple tripping at same time
<b>Miscellaneous: Tripping on DT, No reason furnished</b>													
9	<a href="#">HVDC PUSAULI</a>	01/02/2018	8:48	01/02/2018	9:56	SYSTEM FAILURE ALARM		SYSTEM FAILURE ALARM					
10	<a href="#">400KV PATNA-KISHANGANJ-II</a>	06/02/2018	18:33	06/02/2018	19:10	DT received		DT RECEIVED AT PATNA	--	--	--	--	Fault not observed in PMU data
11	<a href="#">400KV BINAGURI-NEW PURNEA-I</a>	09/02/2018	15:59	09/02/2018	16:19	DT Received		DT RECEIVED AT BINAGURI	--	--			Fault not observed in PMU data
12	<a href="#">400KV TSTPP-ROURKELA-I</a>	09/02/2018	16:51	09/02/2018	17:04	Did not trip	DT received	LINE TRIPPED ONLY FROM ROURKELA ON DT RECEIPT	--	--		Yes	Fault not observed in PMU data
13	<a href="#">220KV ATRI-PANDIABILI-II</a>	10/02/2018	18:25	10/02/2018	18:59			CARRIER RECEIVED AT ATRI	--	--			Fault not observed in PMU data
14	<a href="#">220KV NEW MELLI-TASHIDING-SC</a>	17/02/2018	19:02	17/02/2018	19:57	DT received	Did not trip	DT RECEIVED AT NEW MELLI	--	--			Fault not observed in PMU data
15	<a href="#">220KV NEW MELLI-TASHIDING-SC</a>	19/02/2018	9:10	19/02/2018	9:46	DT received		DT RECEIVED AT NEW MELLI	--	--			Fault not observed in PMU data
16	<a href="#">400KV NEW DUBURI-MEERAMUNDALI-I</a>	19/02/2018	14:13	19/02/2018	14:38	DT received		DT RECEIVED AT N. DUBURI	--	--			Fault not observed in PMU data
17	<a href="#">400KV FSTPP-GOKARNO-II</a>	20/02/2018	15:32	20/02/2018	15:56	DT Received		DT RECEIVED AT FSTPP	--	--			Fault not observed in PMU data
18	<a href="#">400KV PUSAULI-NABINAGAR-I</a>	24/02/2018	22:11	25/02/2018	23:48	DT received		DT RECEIVED AT SASARAM	--	--			Fault not observed in PMU data
19	<a href="#">400KV RENGALI-INDRAVATI-SC</a>	26/02/2018	10:25	26/02/2018	10:41	DT received		DT RECEIVED AT INDRAVATI	--	--			

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	Auto Recloser status	DR/EL RECEIVED FROM LOCAL END	DR/EL RECEIVED FROM REMOTE END	Remarks
	<b>No Autoreclose operation observed in PMU data</b>												
20	<a href="#">400KV ROURKELA-CHAIBASA-I</a>	05/02/2018	17:06	06/02/2018	14:06	B-N, 37.44 KM, 6.687 KA	B-N, 85.211 KM, 3.661 KA	B-N FAULT	<100	No autoreclose operation observed in PMU data			No autoreclose operation observed in PMU data
21	<a href="#">765KV FATEHPUR-PUSAULI-I</a>	13/02/2018	4:06	13/02/2018	4:59	B-N , 150 KM , 3.5 KA	B-N	B-N FAULT	<100	No autoreclose operation observed in PMU data			No autoreclose operation observed in PMU data
22	<a href="#">220KV TENUGHAT-BIHARSARIFF-I</a>	24/02/2018	13:07	24/02/2018	14:05	Y-N, Z-I, 114.6 km	Y-N, Z-I, 1.485 KA, 103 km	Y-N FAULT	<100	No autoreclose operation observed in PMU data	Yes		--
23	<a href="#">400KV KODERMA-BOKARO-I</a>	25/02/2018	20:57	25/02/2018	22:04	B-N, Z-I, 18.5 km, 11.61 Ka	B-n, z2, 80 km	B-N FAULT	<100	No autoreclose operation observed in PMU data			No autoreclose operation observed in PMU data