



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



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

NO. ERPC/PROTECTION/2019/2516-2559

DATE: 06.06.2019

FAX MESSAGE NO. -693

To,

As per list enclosed.

Sub: Notice for 80th Protection Coordination sub-Committee (PCC) meeting of ERPC

Notice is hereby given that **80th PCC meeting** of ERPC will be held on **25th June 2019 (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 79th 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 May, 2019:

Sl No	Date	Time	Substation involved	Summary	Load loss (MW)	Gen loss (MW)
1	02-05-2019	01:08	Angul	At 01:08 Hrs, 765 KV Angul-Jharsuguda III tripped due to R_ph CT failure of tie bay at Angul end. 765 KV Bus I at Angul also tripped along with the line.	0	0
2	08-05-2019	13:05	Mendasal, Pandiabili	220 kV Mendasal - Bhanjanagar S/C was under breakdown. While taking charging attempt 400/220 kV ICT - II at Mendasal, B phase LA of its HV side burst and subsequently all 400 kV and 220 kV lines at Mendasal tripped. Pandiabili which was being supplied through Mendasal end only also became dead	0	0
3	16-05-2019	19:10	Vedanta	SEZ lines (2nos) got tripped on earth fault protection and third line tripped on over current protection. Unit -1 came to home load operation and HP/LP bypassed of other units (unit-3&4) immediately by CILMS (Internal SPS) action	1332	540

4	18-05-2019	22:34	Bakreswar	At 22:34 hrs 220 kV main bus I at Bakreswar (BkTPP) tripped on bus differential protection leading to the tripping of 220 KV Bakreswar-Satgachia I, 220 KV Bakreswar Sadaipur I, 220 KV Bakreswar Durgapur II & 315 MVA ICT II at Bakreswar. U#3 and U#5 of Bakreswar switched to house-load mode. Load at Satgachia was interrupted due to an inter-tripping scheme which trips Satgachia' s load during peak hours if any one of the 220 KV Bakreswar-Satgachia D/c trips.	18	350
5	22-05-2019	19:57	OPGC	At 19:57 hrs 400 kV Jharsuguda - OPGC - II tripped at 19:57 hrs from OPGC end only. At 19:59 hrs 400 kV Jharsuguda OPGC - I tripped at 19:59 hrs on R-N fault resulting tripping of GT#4 & interruption of auxiliary supply to plant followed by tripping of all station compressors. At 20:15 hrs U#3 at OPGC was hand tripped.	0	650
6	29-05-2019	21:44	Darbhangha	400 kV Darbhanga - Kishangunj D/C along with 400 kV bus II at Darbhanga tripped at 21:44 hrs due to collapse of Tower No 385(Loc. 96/0) suspension type collapsed due to high speed cyclone at Supaul Area (Bihar)-Near Koshi River.	0	0

4) Single line tripping incidences of July 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
Chief Engineer, (CRITL)	Electrical Superintending Engineer (CLD)

Jharkhand Urja Sancharan Nigam Limited Kusai Colony, Doranda, Ranchi-834002	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 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., Loknaya Jaiprakash Bhawan, (2 nd 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 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 Corpn. 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	DGM (E&I), HALDIA ENERGY LIMITED, BARIK BHAWAN, KOKATA-700072, FAX: 033-22360955

CC:

ASSISTANT SECRETARY, ERPC		
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Annexure-I

Sl No	Tripping Name	Tripping Date & Time	Element Type	Element Name	From Owner	From Station	FIR(F)	DR(F)	EL(F)	To Owner	To Station	FIR(T)	DR(T)	EL(T)
1	GENERATOR-TTPS-GENERATOR-Talcher super thermal power 21/400-1	31-05-2019 19:35:00	Transmission Line	GENERATOR-TTPS-GENERATOR-Talcher super thermal power 21/400-1	NTPC	GENERATOR-TTPS	No	No	No	NTPC	GENERATOR-Talcher super thermal power 21/400	No	No	No
2	400 KV-Ranchi(400/220kV)-400 KV-Raghunathpur TPS 20/400/220/33kV-1	31-05-2019 18:30:00	Transmission Line	400 KV-Ranchi(400/220kV)-400 KV-Raghunathpur TPS 20/400/220/33kV-3	POWERGRID	400 KV-Ranchi(400/220kV)	No	Yes	No	DVC	400 KV-Raghunathpur TPS 20/400/220/33kV	No	No	No
3	400 KV-LAPANGA 400KV-400 KV-STERLITE400KV -1	31-05-2019 17:47:00	Transmission Line	400 KV-LAPANGA 400KV-400 KV-STERLITE400KV -2	OPTCL	400 KV-LAPANGA 400KV	Yes	Yes	Yes	VEDANTA LTD	400 KV-STERLITE400KV	No	No	No
4	400 KV-Talcher super thermal power 21/400-400 KV-ROURKELA 400KV-1	31-05-2019 17:43:00	Transmission Line	400 KV-Talcher super thermal power 21/400-400 KV-ROURKELA 400KV-1	NTPC	400 KV-Talcher super thermal power 21/400	No	No	No	POWERGRID	400 KV-ROURKELA 400KV	No	No	No
5	400 KV-JHARSUGUDA 765 KV-400 KV-OPGC-1	31-05-2019	Transmission	400 KV-JHARSUGUDA 765 KV-400 KV-OPGC-1	POWERGRID	400 KV-JHARSUGUDA 765	No	No	No	OPGC	400 KV-OPGC	No	No	No
6	400 KV-Ranchi(400/220kV)-400 KV-Raghunathpur TPS 20/400/220/33kV-1	31-05-2019 14:51:00	Transmission Line	400 KV-Ranchi(400/220kV)-400 KV-Raghunathpur TPS 20/400/220/33kV-2	POWERGRID	400 KV-Ranchi(400/220kV)	No	No	No	DVC	400 KV-Raghunathpur TPS 20/400/220/33kV	No	No	No
7	400 KV-Farakka(400/220/15.75)-400 KV-Gokarna 400/220KV-1	30-05-2019 21:08:00	Transmission Line	400 KV-Farakka(400/220/15.75)-400 KV-Gokarna 400/220KV-1	NTPC	400 KV-Farakka(400/220/15.75)	No	No	No	WBSETCL	400 KV-Gokarna 400/220KV	No	No	No
8	Multiple tripping incident at Farakka and Sagardighi	30-05-2019 20:32:00	Transmission Line	400 KV-SAGARDIGHI(SGTPP)-400 KV-Farakka(400/220/15.75)-1	WBPDC	400 KV-SAGARDIGHI(SGTPP)	No	No	No	NTPC	400 KV-Farakka(400/220/15.75)	No	No	No
9		30-05-2019 20:32:00	Transmission Line	400 KV-SAGARDIGHI(SGTPP)-400 KV-Farakka(400/220/15.75)-2	WBPDC	400 KV-SAGARDIGHI(SGTPP)	No	No	No	NTPC	400 KV-Farakka(400/220/15.75)	No	No	No
10	400 KV-New_PPSP 400KV-400 KV-Arambag 400KV-1	30-05-2019	Transmission	400 KV-New_PPSP 400KV-400 KV-Arambag	WBSETCL	400 KV-New_PPSP 400KV	No	No	No	WBSETCL	400 KV-Arambag 400KV	No	No	No
11	400 KV-JAMSHEDPUR 400/220KV-400 KV-Durgapur steel TPS 21/400KV-1	30-05-2019 19:00:00	Transmission Line	400 KV-JAMSHEDPUR 400/220KV-400 KV-Durgapur steel TPS 21/400KV-1	POWERGRID	400 KV-JAMSHEDPUR 400/220KV	No	No	No	DVC	400 KV-Durgapur steel TPS 21/400kV	No	No	No
12	Multiple tripping incident at Ranchi New	30-05-2019 15:17:00	Transmission Line	765 KV-Ranchi_N(765/400kV)-765 KV-DHARAMJAYGARH-1	POWERGRID	765 KV-Ranchi_N(765/400kV)	No	No	No	WESTERN REGION	765 KV-DHARAMJAYGARH	No	No	No
13		30-05-2019 15:17:00	Transmission Line	765 KV-Ranchi_N(765/400kV)-765 KV-DHARAMJAYGARH-2	POWERGRID	765 KV-Ranchi_N(765/400kV)	No	No	No	WESTERN REGION	765 KV-DHARAMJAYGARH	No	No	No
14	Multiple tripping incident at Biharshariff	30-05-2019 10:21:00	Transmission Line	400 KV-BIHARSHARIFF 400KV-400 KV-BALIA-2	POWERGRID	400 KV-BIHARSHARIFF 400KV	No	No	No	NORTHERN REGION	400 KV-BALIA	No	No	No
15	GI at Darbhanga	30-05-2019	Transmission	400 KV-BIHARSHARIFF 400KV-400 KV-SASARAM	POWERGRID	400 KV-BIHARSHARIFF	No	No	No	POWERGRID	400 KV-SASARAM 765KV	No	No	No
16		29-05-2019 21:44:00	Transmission Line	400 KV-DMTCL DARBHANGA 400KV-400 KV-KISHANGANJ 400KV-1	DMTCL	400 KV-DMTCL DARBHANGA 400KV	No	No	No	POWERGRID	400 KV-KISHANGANJ 400KV	No	No	No
17		29-05-2019 21:44:00	Transmission Line	400 KV-DMTCL DARBHANGA 400KV-400 KV-KISHANGANJ 400KV-2	DMTCL	400 KV-DMTCL DARBHANGA 400KV	No	No	No	POWERGRID	400 KV-KISHANGANJ 400KV	No	No	No
18		29-05-2019	Bus	400 KV-DMTCL MOTIHARI 400/132kV--2	DMTCL	400 KV-DMTCL MOTIHARI	No	No	No					
19	765 KV-RAIPUR-765 KV-JHARSUGUDA 765 KV-1	29-05-2019	Transmission	765 KV-RAIPUR-765 KV-JHARSUGUDA 765 KV-2	POWERGRID	765 KV-RAIPUR	No	No	No	POWERGRID	765 KV-JHARSUGUDA 765 KV	No	No	No
20	400KV MEERAMUNDALI-JSPL-II	28-05-2019 18:11:00	Transmission Line	400 KV-MERAMUNDALI 400KV-400 KV-Jindal steel and power Ltd. (Angul)11/400-1	OPTCL	400 KV-MERAMUNDALI 400KV	Yes	Yes	No	CPPs	400 KV-Jindal steel and power Ltd. (Angul)11/400	No	No	No
21	220KV TSTPP-MEERAMUNDALI-II	28-05-2019 17:08:00	Transmission Line	220 KV-Talcher super thermal power 21/400-220 KV-MERAMUNDALI 400KV-2	NTPC	220 KV-Talcher super thermal power 21/400	No	No	No	OPTCL	220 KV-MERAMUNDALI 400KV	Yes	No	No
22	400KV FSTPP-GOKARNO-I	28-05-2019 17:02:00	Transmission Line	400 KV-Farakka(400/220/15.75)-400 KV-Gokarna 400/220KV-1	NTPC	400 KV-Farakka(400/220/15.75)	No	No	No	WBSETCL	400 KV-Gokarna 400/220KV	No	Yes	No
23	400KV FSTPP-GOKARNO-II	28-05-2019 17:02:00	Transmission Line	400 KV-Farakka(400/220/15.75)-400 KV-Gokarna 400/220KV-2	NTPC	400 KV-Farakka(400/220/15.75)	No	No	No	WBSETCL	400 KV-Gokarna 400/220KV	No	Yes	No
24	400KV LAPANGA-OPGC (IB THERMAL)-1	28-05-2019	Transmission	400 KV-LAPANGA 400KV-400 KV-OPGC-1	OPTCL	400 KV-LAPANGA 400KV	Yes	Yes	Yes	OPGC	400 KV-OPGC	No	No	No
25	220KV RAURKELLA-TARKERA-I	28-05-2019	Transmission	220 KV-ROURKELA 400KV-220 KV-	POWERGRID	220 KV-ROURKELA 400KV	No	No	No	OPTCL	220 KV-TARKERA220KV	No	No	No
26	220KV RAURKELLA-TARKERA-II	28-05-2019	Transmission	220 KV-ROURKELA 400KV-220 KV-	POWERGRID	220 KV-ROURKELA 400KV	No	No	No	OPTCL	220 KV-TARKERA220KV	No	No	No
27	765KV ANGUL-JHARSUGUDA-II	28-05-2019	Transmission	765 KV-ANGUL -765 KV-JHARSUGUDA 765 KV-2	POWERGRID	765 KV-ANGUL	No	No	No	POWERGRID	765 KV-JHARSUGUDA 765 KV	No	No	No
28	220KV JODA-RAMCHANDRAPUR-SC	28-05-2019 14:33:00	Transmission Line	220 KV-JODA220KV-220 KV-Ramchandrapur(220/132/33kV)-1	OPTCL	220 KV-JODA220KV	Yes	Yes	Yes	JUSNL	220 KV-Ramchandrapur(220/132/33kV)	No	No	No
29		28-05-2019 12:09:00	Transmission Line	220 KV-JODA220KV-220 KV-Ramchandrapur(220/132/33kV)-1	OPTCL	220 KV-JODA220KV	Yes	Yes	No	JUSNL	220 KV-Ramchandrapur(220/132/33kV)	No	No	No
30	220KV TENUGHAT-BIHARSHARIFF-SC	28-05-2019 12:06:00	Transmission Line	220 KV-TVNL_Tenughat(15.7/220kV)-220 KV-BIHARSHARIFF 220KV-1	TVNL	220 KV-TVNL_Tenughat(15.7/220kV)	No	No	No	BSPTCL	220 KV-BIHARSHARIFF 220KV	Yes	Yes	Yes
31	220KV TTPS-TSTPP-SC	28-05-2019 08:05:00	Transmission Line	220 KV-TALCHER(TTPS)220KV-220 KV-Talcher super thermal power 21/400-1	OPTCL	220 KV-TALCHER(TTPS)220KV	No	No	No	NTPC	220 KV-Talcher super thermal power 21/400	No	No	No

32	400KV DSTPS(ANDAL)-RAGHUNATHPUR-I	27-05-2019 15:19:00	Transmission Line	400 KV-Durgapur steel TPS 21/400kv-400 KV-Raghunathpur TPS 20/400/220/33kv-1	DVC	400 KV-Durgapur steel TPS 21/400kv	No	No	No	DVC	400 KV-Raghunathpur TPS 20/400/220/33kv	No	No	No
33	400 KV-MERAMUNDALI 400KV-400 KV-LAPANGA	27-05-2019	Transmission	400 KV-MERAMUNDALI 400KV-400 KV-	OPTCL	400 KV-MERAMUNDALI	Yes	Yes	No	OPTCL	400 KV-LAPANGA 400KV	Yes	Yes	Yes
34	220KV BEGUSARAI-NEW PURNEA-II	27-05-2019	Transmission	220 KV-BEGUSARAI 220KV-220 KV-NEW	BSPTCL	220 KV-BEGUSARAI 220KV	No	No	No	POWERGRID	220 KV-NEW PURNEA 400KV	No	No	No
35	220KV BEGUSARAI-NEW PURNEA-I	27-05-2019	Transmission	220 KV-BEGUSARAI 220KV-220 KV-NEW	BSPTCL	220 KV-BEGUSARAI 220KV	No	No	No	POWERGRID	220 KV-NEW PURNEA 400KV	No	No	No
36	220KV FSTPP-LALMATIA-SC	26-05-2019	Transmission	220 KV-SASARAM 765KV-220 KV-SALAKATI-1	POWERGRID	220 KV-SASARAM 765KV	No	No	No	POWERGRID	220 KV-SALAKATI	No	No	No
37	220KV PUSAULI-NADHOKAR-SC	26-05-2019	Transmission	220 KV-SASARAM 765KV-220 KV-NADOKHAR-1	POWERGRID	220 KV-SASARAM 765KV	No	No	No	BSPTCL	220 KV-NADOKHAR	No	No	No
38	220KV MADHEPURA-NEW PURNEA-I	26-05-2019 12:22:00	Transmission Line	220 KV-MADHEPURA 220KV-220 KV-NEW PURNEA 400KV-1	BSPTCL	220 KV-MADHEPURA 220KV	No	No	No	POWERGRID	220 KV-NEW PURNEA 400KV	No	Yes	No
39	400KV MAITHON-MEJIA-III	26-05-2019 10:25:00	Transmission Line	400 KV-Mithon(400/220kv)-400 KV-Mejia TPS 16.5/400/220/33kv-3	POWERGRID	400 KV-Mithon(400/220kv)	No	No	No	DVC	400 KV-Mejia TPS 16.5/400/220/33kv	No	No	No
40	765KV NEW RANCHI-DHARAMJAYGARH-II	25-05-2019 16:50:00	Transmission Line	765 KV-Ranchi_N(765/400kv)-765 KV-DHARAMJAYGARH-2	POWERGRID	765 KV-Ranchi_N(765/400kv)	No	Yes	No	WESTERN REGION	765 KV-DHARAMJAYGARH	No	No	No
41	400KV BINAGURI-TALA-I	25-05-2019	Transmission	400 KV-Binaguri 400 KV-400 KV-TALA-1	POWERGRID	400 KV-Binaguri 400 Kv	No	No	No	BHUTAN	400 KV-TALA	No	No	No
42	220KV JAMSHEDPUR-JINDAL-SC	25-05-2019 13:20:00	Transmission Line	220 KV-Jamshedpur_D(220/132kv)-220 KV-Jindal stainless Ltd. Duburi 13.8 220-1	DVC	220 KV-Jamshedpur_D(220/132kv)	No	No	No	CPPs	220 KV-Jindal stainless Ltd. Duburi 13.8 220	No	No	No
43	400 KV-MERAMUNDALI 400KV-400 KV-LAPANGA	25-05-2019	Transmission	400 KV-MERAMUNDALI 400KV-400 KV-	OPTCL	400 KV-MERAMUNDALI	Yes	Yes	No	OPTCL	400 KV-LAPANGA 400KV	Yes	Yes	Yes
44	220KV MEERAMUNDALI-BIDANASI-I	25-05-2019	Transmission	220 KV-MERAMUNDALI 400KV-220 KV-	OPTCL	220 KV-MERAMUNDALI	Yes	No	No	OPTCL	220 KV-BIDANASI	No	No	No
45	220KV TENUGHAT-PATRATI-I	25-05-2019 12:02:00	Transmission Line	220 KV-TVNL_Tenughat(15.7/220kv)-220 KV-PTPS_G(220/132/33/11kv)-1	TVNL	220 KV-TVNL_Tenughat(15.7/220kv)	No	No	No	NTPC	220 KV-PTPS_G(220/132/33/11kv)	No	No	No
46	400KV DURGAPUR-JAMSHEDPUR-SC	24-05-2019 21:06:00	Transmission Line	400 KV-DURGAPUR PGCIL 400/220kv-400 KV-JAMSHEDPUR 400/220KV-1	POWERGRID	400 KV-DURGAPUR PGCIL 400/220kv	No	No	No	POWERGRID	400 KV-JAMSHEDPUR 400/220KV	No	Yes	No
47	220KV MENDHASAL-CHANDAKA-II	23-05-2019	Transmission	220 KV-MENDHASAL-220 KV-CHANDAKA-2	OPTCL	220 KV-MENDHASAL	No	No	No	OPTCL	220 KV-CHANDAKA	No	No	No
48	400KV LAPANGA-STERLITE-II	23-05-2019 20:07:00	Transmission Line	400 KV-LAPANGA 400KV-400 KV-STERLITE400KV-2	OPTCL	400 KV-LAPANGA 400KV	Yes	Yes	Yes	VEDANTA LTD	400 KV-STERLITE400KV	No	No	No
49	400KV RANCHI-ROURKELA-II	23-05-2019	Transmission	220 KV-Ranchi(400/220kv)-220 KV-ROURKELA	POWERGRID	220 KV-Ranchi(400/220kv)	No	Yes	No	POWERGRID	220 KV-ROURKELA 400KV	No	No	No
50	220KV TENUGHAT-BIHARSHARIFF-SC	23-05-2019 16:34:00	Transmission Line	220 KV-TVNL_Tenughat(15.7/220kv)-220 KV-BIHARSHARIFF 220KV-1	TVNL	220 KV-TVNL_Tenughat(15.7/220kv)	No	No	No	BSPTCL	220 KV-BIHARSHARIFF 220KV	Yes	Yes	Yes
51	220KV JODA-RAMCHANDRAPUR-SC	23-05-2019 15:41:00	Transmission Line	220 KV-JODA220KV-220 KV-RAMCHANDRAPUR 220/132/33KV-1	OPTCL	220 KV-JODA220KV	Yes	Yes	No	JUSNL	220 KV-RAMCHANDRAPUR 220/132/33KV	No	No	No
52	400 KV-DMTCL DARBHANGA 400KV-400 KV-MUZAFFARPUR 400KV-1	22-05-2019 21:15:00	Transmission Line	400 KV-DMTCL DARBHANGA 400kv-400 KV-MUZAFFARPUR 400KV-2	DMTCL	400 KV-DMTCL DARBHANGA 400kv	No	No	No	POWERGRID	400 KV-MUZAFFARPUR 400KV	No	Yes	No
53	400 KV-SAGARDIGHI(SGTPP)-400 KV-Parulia 400KV-	22-05-2019	Transmission	400 KV-SAGARDIGHI(SGTPP)-400 KV-Parulia	WBPDC	400 KV-SAGARDIGHI(SGTPP)	No	No	No					
54	400KV DURGAPUR-SAGARDIGHI-I	22-05-2019 20:04:00	Transmission Line	400 KV-DURGAPUR PGCIL 400/220kv-400 KV-SAGARDIGHI(SGTPP)-1	POWERGRID	400 KV-DURGAPUR PGCIL 400/220kv	No	No	No	WBPDC	400 KV-SAGARDIGHI(SGTPP)	No	No	No
55	400KV JAMSHEDPUR-ANDAL-II	22-05-2019 19:26:00	Transmission Line	400 KV-JAMSHEDPUR 400/220kv-400 KV-Durgapur steel TPS 21/400kv-2	POWERGRID	400 KV-JAMSHEDPUR 400/220kv	No	Yes	No	DVC	400 KV-Durgapur steel TPS 21/400kv	No	No	No
56	400KV JHARSUGUDA-RAIGARH-IV	22-05-2019 18:35:00	Transmission Line	400 KV-JHARSUGUDA 765 KV-400 KV-RAIGARH_PGCIL-4	POWERGRID	400 KV-JHARSUGUDA 765 KV	Yes	Yes	Yes	WESTERN REGION	400 KV-RAIGARH_PGCIL	No	No	No
57	220 KV Budhipadar-Korba	22-05-2019 18:22:00	Transmission Line	220 KV-BUDHIPADAR220KV-220 KV-KORBA EAST_CSPGCL-1	OPTCL	220 KV-BUDHIPADAR220KV	No	Yes	Yes	WESTERN REGION	220 KV-KORBA EAST_CSPGCL	No	No	No
58	220KV CHANDIL-RANCHI-SC	22-05-2019	Transmission	220 KV-Ranchi(400/220kv)-220 KV-	POWERGRID	220 KV-Ranchi(400/220kv)	No	Yes	No	JUSNL	220 KV-Chandil(220/132kv)	No	No	No
59		22-05-2019	Transmission	220 KV-Ranchi(400/220kv)-220 KV-	POWERGRID	220 KV-Ranchi(400/220kv)	No	Yes	No	JUSNL	220 KV-Chandil(220/132kv)	No	No	No
60	220KV STPS(WBSEB)-CHANDIL-SC	22-05-2019	Transmission	220 KV-Santaldih TPS 220kv-220 KV-	WBPDC	220 KV-Santaldih TPS 220kv	No	No	No	JUSNL	220 KV-Chandil(220/132kv)	No	No	No
61	400KV KhSTPP-BARH-II	22-05-2019	Transmission	400 KV-KAHALGAON 400kv-400 KV-BARH 400KV	NTPC	400 KV-KAHALGAON 400kv	No	No	No	NTPC	400 KV-BARH 400kv	No	No	No
62	220KV BEGUSARAI-NEW PURNEA-II	22-05-2019	Transmission	220 KV-BEGUSARAI 220KV-220 KV-NEW	BSPTCL	220 KV-BEGUSARAI 220KV	No	No	No	POWERGRID	220 KV-NEW PURNEA 400KV	No	No	No
63		22-05-2019	Transmission	220 KV-BEGUSARAI 220KV-220 KV-NEW	BSPTCL	220 KV-BEGUSARAI 220KV	No	No	No	POWERGRID	220 KV-NEW PURNEA 400KV	No	Yes	No
64	400KV DSTPS(ANDAL)-RAGHUNATHPUR-I	21-05-2019 13:04:00	Transmission Line	400 KV-Durgapur steel TPS 21/400kv-400 KV-Raghunathpur TPS 20/400/220/33kv-1	DVC	400 KV-Durgapur steel TPS 21/400kv	No	No	No	DVC	400 KV-Raghunathpur TPS 20/400/220/33kv	No	No	No
65	220KV RAURKELA-TARKERA-II	21-05-2019	Transmission	220 KV-ROURKELA 400KV-220 KV-	POWERGRID	220 KV-ROURKELA 400KV	No	No	No	OPTCL	220 KV-TARKERA220KV	No	No	No
66	400KV DSTPS(ANDAL)-RAGHUNATHPUR-I	21-05-2019 11:44:00	Transmission Line	400 KV-Durgapur steel TPS 21/400kv-400 KV-Raghunathpur TPS 20/400/220/33kv-1	DVC	400 KV-Durgapur steel TPS 21/400kv	No	No	No	DVC	400 KV-Raghunathpur TPS 20/400/220/33kv	No	No	No
67	400KV JAMSHEDPUR-CHAIBASA-I	21-05-2019 10:24:00	Transmission Line	400 KV-JAMSHEDPUR 400/220kv-400 KV-Chaibasa(400/220kv)-1	POWERGRID	400 KV-JAMSHEDPUR 400/220kv	No	No	No	POWERGRID	400 KV-Chaibasa(400/220kv)	No	No	No
68	Meramundali event	19-05-2019	Transmission	400 KV-MERAMUNDALI 400KV-400 KV-ANGUL -	OPTCL	400 KV-MERAMUNDALI	Yes	No	No	POWERGRID	400 KV-ANGUL	Yes	Yes	Yes
69		19-05-2019	Transmission	400 KV-MERAMUNDALI 400KV-400 KV-	OPTCL	400 KV-MERAMUNDALI	No	No	No	OPTCL	400 KV-LAPANGA 400KV	No	No	No

70		19-05-2019	Transmission	400 KV-MERAMUNDALI 400KV-400 KV-	OPTCL	400 KV-MERAMUNDALI	Yes	Yes	No	OPTCL	400 KV-LAPANGA 400KV	No	No	No
71	220KV BEGUSARAI-NEW PURNEA-I	19-05-2019	Transmission	220 KV-BEGUSARAI 220KV-220 KV-NEW	BSPTCL	220 KV-BEGUSARAI 220KV	No	No	No	POWERGRID	220 KV-NEW PURNEA 400KV	No	Yes	No
72	220KV ALIPURDUAR-SALAKATI-I	19-05-2019	Transmission	220 KV-Alipurduar 220 KV-220 KV-SALAKATI-1	WBSETCL	220 KV-Alipurduar 220 kv	No	No	No	POWERGRID	220 KV-SALAKATI	No	No	No
73	220KV BEGUSARAI-NEW PURNEA-I	19-05-2019	Transmission	220 KV-BEGUSARAI 220KV-220 KV-NEW	BSPTCL	220 KV-BEGUSARAI 220KV	No	No	No	POWERGRID	220 KV-NEW PURNEA 400KV	No	Yes	No
74	220 KV-BAKRESWAR Event	18-05-2019 22:34:00	Transmission Line	220 KV-BAKRESWAR 400KV-220 KV-BIDHANNAGAR/DURGAPR 400KV-2	WBPDCL	220 KV-BAKRESWAR 400KV	Yes	Yes	Yes	WBSETCL	220 KV-BIDHANNAGAR/DURGAPR	No	No	No
75		18-05-2019	Transmission	220 KV-BAKRESWAR 400KV-220 KV-SADAIPUR	WBPDCL	220 KV-BAKRESWAR 400KV	Yes	Yes	Yes	WBSETCL	220 KV-SADAIPUR 220KV	No	No	No
76		18-05-2019	Transmission	220 KV-BAKRESWAR 400KV-220 KV-Satgachia	WBPDCL	220 KV-BAKRESWAR 400KV	Yes	Yes	Yes	WBSETCL	220 KV-Satgachia 220KV	No	No	No
77		18-05-2019	Bus	220 KV-BAKRESWAR 400KV--1	WBPDCL	220 KV-BAKRESWAR 400KV	Yes	No	No	WBSETCL		No	No	No
78	220KV TSTPP-MERAMUNDALI-I	18-05-2019 12:23:00	Transmission Line	220 KV-TALCHER(TTSP)220KV-220 KV-MERAMUNDALI 400KV-1	OPTCL	220 KV-TALCHER(TTSP)220KV	No	No	No	OPTCL	220 KV-MERAMUNDALI 400KV	Yes	Yes	No
79	400KV MALDA(PG)-NEW PURNEA-I	17-05-2019	Transmission	400 KV-Malda PG 400kv-400 KV-NEW PURNEA	POWERGRID	400 KV-Malda PG 400kv	No	No	No	POWERGRID	400 KV-NEW PURNEA 400KV	No	Yes	No
80	765KV ANGUL-JHARSUGUDA-II	16-05-2019	Transmission	765 KV-ANGUL -765 KV-JHARSUGUDA 765 KV-2	POWERGRID	765 KV-ANGUL	Yes	No	Yes	POWERGRID	765 KV-JHARSUGUDA 765 KV	No	No	No
81	220KV BUDHIPADAR-KORBA-I	16-05-2019 18:21:00	Transmission Line	220 KV-BUDHIPADAR220KV-220 KV-KORBA EAST_CSPGCL-1	OPTCL	220 KV-BUDHIPADAR220KV	No	Yes	Yes	WESTERN REGION	220 KV-KORBA EAST_CSPGCL	No	No	No
82	220KV BUDHIPADAR-KORBA-II	16-05-2019 16:02:00	Transmission Line	220 KV-BUDHIPADAR220KV-220 KV-KORBA EAST_CSPGCL-2	OPTCL	220 KV-BUDHIPADAR220KV	No	Yes	Yes	WESTERN REGION	220 KV-KORBA EAST_CSPGCL	No	No	No
83	400KV JAMSHEDPUR-ANDAL-II	16-05-2019 12:55:00	Transmission Line	400 KV-JAMSHEDPUR 400/220KV-400 KV-Durgapur steel TPS 21/400kv-1	POWERGRID	400 KV-JAMSHEDPUR 400/220KV	No	Yes	No	DVC	400 KV-Durgapur steel TPS 21/400kv	No	No	No
84	400KV MALDA(PG)-NEW PURNEA-I	16-05-2019	Transmission	400 KV-Malda PG 400KV-400 KV-NEW PURNEA	POWERGRID	400 KV-Malda PG 400kv	No	No	No	POWERGRID	400 KV-NEW PURNEA 400KV	No	Yes	No
85	400 KV-SAGARDIGHI(SGTPP)-400 KV-Parulia 400KV-	15-05-2019	Transmission	400 KV-SAGARDIGHI(SGTPP)-400 KV-Parulia	WBPDCL	400 KV-SAGARDIGHI(SGTPP)	No	No	No					
86	400KV DURGAPUR-SAGARDIGHI-II	15-05-2019 21:15:00	Transmission Line	400 KV-DURGAPUR PGCIL 400/220KV-400 KV-SAGARDIGHI(SGTPP)-2	POWERGRID	400 KV-DURGAPUR PGCIL 400/220kv	No	No	No	WBPDCL	400 KV-SAGARDIGHI(SGTPP)	No	No	No
87	220KV MAITHON-KALYANESHWARI-II	15-05-2019 20:16:00	Transmission Line	220 KV-Mithon(400/220KV)-220 KV-Kalyaneswari (220/132/33 KV)-2	POWERGRID	220 KV-Mithon(400/220kv)	No	No	No	DVC	220 KV-Kalyaneswari (220/132/33 KV)	No	No	No
88	220KV MAITHON-KALYANESHWARI-I	15-05-2019 20:15:00	Transmission Line	220 KV-Mithon(400/220KV)-220 KV-Kalyaneswari (220/132/33 KV)-1	POWERGRID	220 KV-Mithon(400/220kv)	No	No	No	DVC	220 KV-Kalyaneswari (220/132/33 KV)	No	No	No
89	400KV KISHANGANJ(PG)-RANGPO-SC	15-05-2019	Transmission	400 KV-KISHANGANJ 400KV-400 KV-RANGPO	POWERGRID	400 KV-KISHANGANJ 400KV	No	No	No	POWERGRID	400 KV-RANGPO 400KV	No	No	No
90	400KV MEERAMUNDALI-MENDHASAL-SC	15-05-2019	Transmission	400 KV-MERAMUNDALI 400KV-400 KV-	OPTCL	400 KV-MERAMUNDALI	Yes	Yes	No	OPTCL	400 KV-MENDHASAL	No	No	No
91	220KV MEERAMUNDALI-BHANJANGR-I	15-05-2019	Transmission	220 KV-MERAMUNDALI 400KV-220 KV-	OPTCL	220 KV-MERAMUNDALI	Yes	Yes	No	OPTCL	220 KV-BHANJANAGAR	Yes	Yes	Yes
92	400KV DARBHANGA (DMTCL)-KISHANGANJ(PG)-I	14-05-2019 18:15:00	Transmission Line	400 KV-DMTCL DARBHANGA 400kv-400 KV-KISHANGANJ 400KV-1	DMTCL	400 KV-DMTCL DARBHANGA 400kv	No	No	No	POWERGRID	400 KV-KISHANGANJ 400KV	No	No	No
93	400KV KODERMA-BOKARO-I	14-05-2019 18:09:00	Transmission Line	400 KV-BTPSA_D(400/220/33/21kv)-400 KV-Koderma_G(400/220/21kv)-1	DVC	400 KV-BTPSA_D(400/220/33/21kv)	No	No	No	DVC	400 KV-Koderma_G(400/220/21kv)	No	No	No
94	400KV NEW PPSP-ARAMBAGH-I	14-05-2019	Transmission	400 KV-New_PPSP 400kv-400 KV-Arambag	WBSETCL	400 KV-New_PPSP 400kv	No	No	No	WBSETCL	400 KV-Arambag 400KV	No	No	No
95	400KV NEW PPSP-NEW RANCHI-II	14-05-2019	Transmission	400 KV-New_PPSP 400kv-400 KV-	WBSETCL	400 KV-New_PPSP 400kv	No	No	No	POWERGRID	400 KV-Ranchi_N(765/400kv)	No	Yes	No
96	220KV BEGUSARAI-NEW PURNEA-I	14-05-2019	Transmission	220 KV-BEGUSARAI 220KV-220 KV-NEW	BSPTCL	220 KV-BEGUSARAI 220KV	No	No	No	POWERGRID	220 KV-NEW PURNEA 400KV	No	No	No
97	220KV PUSAULI-SAHUPURI-SC	14-05-2019 12:18:00	Transmission Line	220 KV-SASARAM 765KV-220 KV-SAHUPURI-1	POWERGRID	220 KV-SASARAM 765KV	No	Yes	No	NORTHERN REGION	220 KV-SAHUPURI	No	No	No
98	220KV RAJARHAT-JEERAT-I	14-05-2019	Transmission	220 KV-RAJARHAT(400/220KV)-220 KV-JEERAT	POWERGRID	220 KV-	No	No	No	WBSETCL	220 KV-JEERAT 400KV	No	Yes	No
99	400KV BINAGURI-TALA-I	14-05-2019	Transmission	400 KV-Binaguri 400 Kv-400 KV-TALA-1	POWERGRID	400 KV-Binaguri 400 Kv	No	No	No	BHUTAN	400 KV-TALA	No	No	No
100	220KV STPS(WBSEB)-CHANDIL-SC	13-05-2019	Transmission	220 KV-Santaldih TPS 220kv-220 KV-	WBPDCL	220 KV-Santaldih TPS 220kv	No	No	No	JUSNL	220 KV-Chandil(220/132kv)	No	No	No
101	220KV MAITHON-DUMKA-I	13-05-2019 18:36:00	Transmission Line	220 KV-Mithon(400/220KV)-220 KV-Dumka_MADANPUR(220/132kv)-1	POWERGRID	220 KV-Mithon(400/220kv)	No	No	No	JUSNL	220 KV-Dumka_MADANPUR(220/132k	No	No	No
102	220KV MAITHON-DUMKA-II	13-05-2019 18:36:00	Transmission Line	220 KV-Mithon(400/220KV)-220 KV-Dumka_MADANPUR(220/132kv)-1	POWERGRID	220 KV-Mithon(400/220kv)	No	No	No	JUSNL	220 KV-Dumka_MADANPUR(220/132k	No	No	No
103	400 KV-SAGARDIGHI(SGTPP)-400 KV-Parulia 400KV-	13-05-2019	Transmission	400 KV-SAGARDIGHI(SGTPP)-400 KV-Parulia	WBPDCL	400 KV-SAGARDIGHI(SGTPP)	No	No	No					
104	400KV DURGAPUR-SAGARDIGHI-I	13-05-2019 18:36:00	Transmission Line	400 KV-DURGAPUR PGCIL 400/220KV-400 KV-SAGARDIGHI(SGTPP)-1	POWERGRID	400 KV-DURGAPUR PGCIL 400/220kv	No	No	No	WBPDCL	400 KV-SAGARDIGHI(SGTPP)	No	No	No
105	400KV DSTPS(ANDAL)-RAGHUNATHPUR-I	13-05-2019 17:49:00	Transmission Line	400 KV-Durgapur steel TPS 21/400kv-400 KV-Raghunathpur TPS 20/400/220/33kv-1	DVC	400 KV-Durgapur steel TPS 21/400kv	No	No	No	DVC	400 KV-Raghunathpur TPS 20/400/220/33kv	No	No	No
106	400KV MALBASE-BINAGURI-I	13-05-2019	Transmission	400 KV-MALBASE-400 KV-Binaguri 400 Kv-1	BHUTAN	400 KV-MALBASE	No	No	No	POWERGRID	400 KV-Binaguri 400 Kv	No	No	No
107	220KV ALIPURDUAR-SALAKATI-I	12-05-2019	Transmission	220 KV-Alipurduar 220 kv-220 KV-SALAKATI-1	WBSETCL	220 KV-Alipurduar 220 kv	No	No	No	POWERGRID	220 KV-SALAKATI	No	No	No
108	220 KV-KATAPALLI220KV-220 KV-BOLANGIR 400KV-	12-05-2019	Transmission	220 KV-KATAPALLI220KV-220 KV-BOLANGIR	OPTCL	220 KV-KATAPALLI220KV	No	Yes	Yes	POWERGRID	220 KV-BOLANGIR 400KV	No	No	No
109	400KV MALBASE-BINAGURI-I	12-05-2019	Transmission	400 KV-MALBASE-400 KV-Binaguri 400 Kv-1	BHUTAN	400 KV-MALBASE	No	No	No	POWERGRID	400 KV-Binaguri 400 Kv	No	No	No
110	220KV CHANDIL-RANCHI-sc	12-05-2019	Transmission	220 KV-Chandil(220/132kv)-220 KV-	JUSNL	220 KV-Chandil(220/132kv)	No	No	No	POWERGRID	220 KV-Ranchi(400/220kv)	No	Yes	No

111	220 KV-KATAPALLI220KV-220 KV-BOLANGIR 400KV-	12-05-2019	Transmission	220 KV-KATAPALLI220KV-220 KV-BOLANGIR	OPTCL	220 KV-KATAPALLI220KV	No	Yes	Yes	POWERGRID	220 KV-BOLANGIR 400KV	No	No	No
112	220KV MAITHON-DHANBAD-II	12-05-2019 10:56:00	Transmission Line	220 KV-Mithon(400/220KV)-220 KV-Dhanbad_D(220/132/33kV)-2	POWERGRID	220 KV-Mithon(400/220kV)	No	No	No	DVC	220 KV-Dhanbad_D(220/132/33kV)	No	No	No
113	220KV CHUKHA-BIRPARA-I	11-05-2019	Transmission	220 KV-CHUKHA-220 KV-BirparaPGCIL-1	BHUTAN	220 KV-CHUKHA	No	No	No	POWERGRID	220 KV-BirparaPGCIL	No	No	No
114		11-05-2019	Transmission	220 KV-CHUKHA-220 KV-BirparaPGCIL-1	BHUTAN	220 KV-CHUKHA	No	No	No	POWERGRID	220 KV-BirparaPGCIL	No	No	No
115	220KV CHUKHA-BIRPARA-II	11-05-2019	Transmission	220 KV-CHUKHA-220 KV-BirparaPGCIL-2	BHUTAN	220 KV-CHUKHA	No	No	No	POWERGRID	220 KV-BirparaPGCIL	No	No	No
116	220KV MENDHASAL-CHANDAKA-II	11-05-2019	Transmission	220 KV-MENDHASAL-220 KV-CHANDAKA-2	OPTCL	220 KV-MENDHASAL	No	No	No	OPTCL	220 KV-CHANDAKA	No	No	No
117	220KV TSTPP-MERAMUNDALI-II	11-05-2019 11:13:00	Transmission Line	220 KV-TALCHER(TTSP)220KV-220 KV-MERAMUNDALI 400KV-2	OPTCL	220 KV-TALCHER(TTSP)220KV	No	No	No	OPTCL	220 KV-MERAMUNDALI 400KV	Yes	Yes	No
118	400KV BINAGURI-TALA-II	11-05-2019	Transmission	400 KV-TALA-400 KV-Binaguri 400 Kv-2	BHUTAN	400 KV-TALA	No	No	No	POWERGRID	400 KV-Binaguri 400 Kv	No	No	No
119	400KV MALBASE-BINAGURI-I	11-05-2019	Transmission	400 KV-MALBASE-400 KV-Binaguri 400 Kv-1	BHUTAN	400 KV-MALBASE	No	No	No	POWERGRID	400 KV-Binaguri 400 Kv	No	No	No
120	400KV BINAGURI-TALA-I	11-05-2019	Transmission	400 KV-Binaguri 400 Kv-400 KV-TALA-1	POWERGRID	400 KV-Binaguri 400 Kv	No	No	No	BHUTAN	400 KV-TALA	No	No	No
121	400KV PPSP-BIDHANNAGAR-I	10-05-2019 11:41:00	Transmission Line	400 KV-PPSP 400KV-400 KV-BIDHANNAGAR/DURGAPR 400KV-1	WBSEDCL	400 KV-PPSP 400kV	No	No	No	WBSETCL	400 KV-BIDHANNAGAR/DURGAPR	No	No	No
122	400KV MEERAMUNDALI-MENDHASAL-SC	10-05-2019	Transmission	400 KV-MERAMUNDALI 400KV-400 KV-	OPTCL	400 KV-MERAMUNDALI	Yes	Yes	No	OPTCL	400 KV-MENDHASAL	No	No	No
123	Multiple tripping at 23:02 hrs	09-05-2019	Transmission	220 KV-ATRI-220 KV-PANDIABIL 400KV(PGCIL)-1	OPTCL	220 KV-ATRI	No	No	No	POWERGRID	220 KV-PANDIABIL	No	No	No
124		09-05-2019	Transmission	220 KV-ATRI-220 KV-PANDIABIL 400KV(PGCIL)-2	OPTCL	220 KV-ATRI	No	No	No	POWERGRID	220 KV-PANDIABIL	No	No	No
125		09-05-2019	Transmission	400 KV-MERAMUNDALI 400KV-400 KV-	OPTCL	400 KV-MERAMUNDALI	Yes	No	No	OPTCL	400 KV-MENDHASAL	No	No	No
126	400KV PPSP-BIDHANNAGAR-I	09-05-2019 12:33:00	Transmission Line	400 KV-PPSP 400KV-400 KV-BIDHANNAGAR/DURGAPR 400KV-1	WBSEDCL	400 KV-PPSP 400kV	No	No	No	WBSETCL	400 KV-BIDHANNAGAR/DURGAPR	Yes	Yes	Yes
127	400KV JAMSHEDPUR-MEJIA-SC	09-05-2019 12:27:00	Transmission Line	400 KV-JAMSHEDPUR 400/220KV-400 KV-Mejia TPS 16.5/400/220/33kV-1	POWERGRID	400 KV-JAMSHEDPUR 400/220KV	No	Yes	No	DVC	400 KV-Mejia TPS 16.5/400/220/33kV	No	No	No
128	Pandiabili Event 09-05-2019	09-05-2019	Transmission	220 KV-ATRI-220 KV-PANDIABIL 400KV(PGCIL)-1	OPTCL	220 KV-ATRI	No	No	No	POWERGRID	220 KV-PANDIABIL	No	No	No
129		09-05-2019	Transmission	220 KV-ATRI-220 KV-PANDIABIL 400KV(PGCIL)-2	OPTCL	220 KV-ATRI	No	No	No	POWERGRID	220 KV-PANDIABIL	No	No	No
130		09-05-2019	Transmission	400 KV-MENDHASAL-400 KV-PANDIABIL	OPTCL	400 KV-MENDHASAL	No	No	No	POWERGRID	400 KV-PANDIABIL	No	No	No
131		09-05-2019	Transmission	400 KV-MENDHASAL-400 KV-PANDIABIL	OPTCL	400 KV-MENDHASAL	No	No	No	POWERGRID	400 KV-PANDIABIL	No	No	No
132	400KV DSTPS(ANDAL)-RAGHUNATHPUR-I	08-05-2019 15:54:00	Transmission Line	400 KV-Durgapur steel TPS 21/400KV-400 KV-Raghunathpur TPS 20/400/220/33kV-1	DVC	400 KV-Durgapur steel TPS 21/400kV	No	No	No	DVC	400 KV-Raghunathpur TPS 20/400/220/33kV	No	No	No
133	Pandiabili event	08-05-2019	Transmission	220 KV-ATRI-220 KV-PANDIABIL 400KV(PGCIL)-1	OPTCL	220 KV-ATRI	No	No	No	POWERGRID	220 KV-PANDIABIL	No	No	No
134		08-05-2019	Transmission	220 KV-ATRI-220 KV-PANDIABIL 400KV(PGCIL)-2	OPTCL	220 KV-ATRI	No	No	No	POWERGRID	220 KV-PANDIABIL	No	No	No
135		08-05-2019	Transmission	400 KV-MENDHASAL-400 KV-PANDIABIL	OPTCL	400 KV-MENDHASAL	No	No	No	POWERGRID	400 KV-PANDIABIL	No	No	No
136		08-05-2019	Transmission	400 KV-MENDHASAL-400 KV-PANDIABIL	OPTCL	400 KV-MENDHASAL	No	No	No	POWERGRID	400 KV-PANDIABIL	No	No	No
137		08-05-2019	Transformer	400 KV-MENDHASAL--1	OPTCL	400 KV-MENDHASAL	No	No	No					
138		08-05-2019	Transmission	400 KV-MERAMUNDALI 400KV-400 KV-		400 KV-MERAMUNDALI				OPTCL	400 KV-MENDHASAL	No	No	No
139		08-05-2019	Transformer	400 KV-PANDIABIL 400KV(PGCIL)--1	POWERGRID	400 KV-PANDIABIL	No	No	No					
140		08-05-2019	Transformer	400 KV-PANDIABIL 400KV(PGCIL)--1	POWERGRID	400 KV-PANDIABIL	No	No	No					
141	400KV RANCHI-RAGHUNATHPUR-III	08-05-2019 12:14:00	Transmission Line	400 KV-Ranchi(400/220KV)-400 KV-Raghunathpur TPS 20/400/220/33kV-1	POWERGRID	400 KV-Ranchi(400/220kV)	No	Yes	No	DVC	400 KV-Raghunathpur TPS 20/400/220/33kV	No	No	No
142	400KV DURGAPUR-SAGARDIGHI-I	07-05-2019 18:18:00	Transmission Line	400 KV-DURGAPUR PGCIL 400/220kVd-400 KV-SAGARDIGHI(SGTPP)-1		400 KV-DURGAPUR PGCIL 400/220kVd				WBPDC	400 KV-SAGARDIGHI(SGTPP)	No	No	No
143	220KV JAMSHEDPUR-JINDAL-SC	07-05-2019 17:35:00	Transmission Line	220 KV-Jamshedpur_D(220/132kV)-220 KV-Jindal stainless Ltd. Duburi 13.8 220-1	DVC	220 KV-Jamshedpur_D(220/132kV)	No	No	No	CPPS	220 KV-Jindal stainless Ltd. Duburi 13.8 220	No	No	No
144	220KV FSTPP-LALMATIA-SC	07-05-2019 11:33:00	Transmission Line	220 KV-Farakka(400/220/15.75)-220 KV-Lalmatia(220/132/33kV)-1	NTPC	220 KV-Farakka(400/220/15.75)	No	No	No	JUSNL	220 KV-Lalmatia(220/132/33kV)	No	No	No
145		06-05-2019 13:40:00	Transmission Line	220 KV-Farakka(400/220/15.75)-220 KV-Lalmatia(220/132/33kV)-1	NTPC	220 KV-Farakka(400/220/15.75)	No	No	No	JUSNL	220 KV-Lalmatia(220/132/33kV)	No	No	No
146	220KV BEGUSARAI-NEW PURNEA-II	06-05-2019	Transmission	220 KV-BEGUSARAI 220KV-220 KV-NEW	BSPTCL	220 KV-BEGUSARAI 220KV	No	No	No	POWERGRID	220 KV-NEW PURNEA 400KV	No	No	No
147	220KV BEGUSARAI-NEW PURNEA-I	06-05-2019	Transmission	220 KV-BEGUSARAI 220KV-220 KV-NEW	BSPTCL	220 KV-BEGUSARAI 220KV	No	No	No	POWERGRID	220 KV-NEW PURNEA 400KV	No	No	No
148	400 KV-DMTCL MOTIHARI 400/132kV-400 KV-BARH 400KV-1	05-05-2019 15:13:00	Transmission Line	400 KV-DMTCL MOTIHARI 400/132kV-400 KV-BARH 400KV-1		400 KV-DMTCL MOTIHARI 400/132kV				NTPC	400 KV-BARH 400kV	No	No	No
149	400KV MALDA(PG)-NEW PURNEA-II	05-05-2019	Transmission	400 KV-Malda PG 400KV-400 KV-NEW PURNEA	POWERGRID	400 KV-Malda PG 400kV	No	No	No	POWERGRID	400 KV-NEW PURNEA 400KV	No	Yes	No
150	400KV BAHARAMPUR-BHERAMARA-II	04-05-2019 07:09:00	Transmission Line	400 KV-BEHARAMPUR 400KV-400 KV-BHERAMARA-2	POWERGRID	400 KV-BEHARAMPUR 400kV	No	No	No	BANGLADESH	400 KV-BHERAMARA	No	No	No
151	400KV KHARAGPUR-CHAIBASA-II	04-05-2019	Transmission	400 KV-Kharagpur 400KV-400 KV-	WBSETCL	400 KV-Kharagpur 400kV	No	No	No	POWERGRID	400 KV-Chaibasa(400/220kV)	No	Yes	No
152	400KV FSTPP-KhSTPP-IV	03-05-2019 15:37:00	Transmission Line	400 KV-Farakka(400/220/15.75)-400 KV-KAHALGAON 400KV-4	NTPC	400 KV-Farakka(400/220/15.75)	No	No	No	NTPC	400 KV-KAHALGAON 400kV	No	No	No

153	400KV NEW DUBURI-PANDIABILI-SC	03-05-2019 10:58:00	Transmission Line	400 KV-NEW DUBURI 400KV-400 KV-PANDIABIL 400KV(PGCIL)-1	OPTCL	400 KV-NEW DUBURI 400KV	No	No	No	POWERGRID	400 KV-PANDIABIL 400KV(PGCIL)	No	No	No
154	400KV MENDHASAL-PANDIABILI-II	03-05-2019	Transmission	400 KV-MENDHASAL-400 KV-PANDIABIL	OPTCL	400 KV-MENDHASAL	No	No	No	POWERGRID	400 KV-PANDIABIL	No	No	No
155	400KV MENDHASAL-PANDIABILI-I	03-05-2019	Transmission	400 KV-MENDHASAL-400 KV-PANDIABIL	OPTCL	400 KV-MENDHASAL	No	No	No	POWERGRID	400 KV-PANDIABIL	No	No	No
156	400KV BARIPADA-PANDIABILI-sc	03-05-2019 09:50:00	Transmission Line	400 KV-BARIPADA KUCHEI 400KV-400 KV- PANDIABIL 400KV(PGCIL)-1	POWERGRID	400 KV-BARIPADA KUCHEI 400KV	No	No	No	POWERGRID	400 KV-PANDIABIL 400KV(PGCIL)	No	No	No
157	220KV PANDIABILI-SAMANGARA-I	03-05-2019 08:59:00	Transmission Line	220 KV-PANDIABIL 400KV(PGCIL)-220 KV- PURI(SAMANGARA)220KV-1	POWERGRID	220 KV-PANDIABIL 400KV(PGCIL)	No	No	No	OPTCL	220 KV- PURI(SAMANGARA)220KV	No	No	No
158	220KV PANDIABILI-SAMANGARA-II	03-05-2019 08:59:00	Transmission Line	220 KV-PANDIABIL 400KV(PGCIL)-220 KV- PURI(SAMANGARA)220KV-2	POWERGRID	220 KV-PANDIABIL 400KV(PGCIL)	No	No	No	OPTCL	220 KV- PURI(SAMANGARA)220KV	No	No	No
159	220KV MENDHASAL-ATRI-I	03-05-2019	Transmission	220 KV-MENDHASAL-220 KV-ATRI-1	OPTCL	220 KV-MENDHASAL	No	No	No	OPTCL	220 KV-ATRI	No	No	No
160	220KV MENDHASAL-ATRI-II	03-05-2019	Transmission	220 KV-MENDHASAL-220 KV-ATRI-2	OPTCL	220 KV-MENDHASAL	No	No	No	OPTCL	220 KV-ATRI	No	No	No
161	220KV ATRI-PANDIABILI-I	03-05-2019	Transmission	220 KV-ATRI-220 KV-PANDIABIL 400KV(PGCIL)-1	OPTCL	220 KV-ATRI	No	No	No	POWERGRID	220 KV-PANDIABIL	No	No	No
162	220KV ATRI-PANDIABILI-II	03-05-2019	Transmission	220 KV-ATRI-220 KV-PANDIABIL 400KV(PGCIL)-2	OPTCL	220 KV-ATRI	No	No	No	POWERGRID	220 KV-PANDIABIL	No	No	No
163	765KV ANGUL-SRIKAKULAM-II	03-05-2019 01:18:00	Transmission Line	765 KV-ANGUL -765 KV-SRIKAKULAM-2	POWERGRID	765 KV-ANGUL	No	No	No	SOUTHERN REGION	765 KV-SRIKAKULAM	No	No	No
164	400KV ALIPURDUAR-BONGAIGAON-II	02-05-2019 21:50:00	Transmission Line	400 KV-ALIPURDUAR PGCIL 400/220kv-400 KV- BONGAIGAON-2	POWERGRID	400 KV-ALIPURDUAR PGCIL 400/220kv	No	No	No	POWERGRID	400 KV-BONGAIGAON	No	No	No
165	GI-II at Angul	02-05-2019	Transmission	765 KV-ANGUL -765 KV-JHARSUGUDA 765 KV-3	POWERGRID	765 KV-ANGUL	Yes	Yes	Yes	POWERGRID	765 KV-JHARSUGUDA 765 KV	Yes	Yes	Yes
166		02-05-2019	Bus	765 KV-ANGUL --1	POWERGRID	765 KV-ANGUL	Yes	Yes	Yes	POWERGRID		No	No	No
167	400KV DSTPS(ANDAL)-RAGHUNATHPUR-I	01-05-2019 20:46:00	Transmission Line	400 KV-Durgapur steel TPS 21/400kv-400 KV- Raghunathpur TPS 20/400/220/33kv-1	DVC	400 KV-Durgapur steel TPS 21/400kv	No	No	No	DVC	400 KV-Raghunathpur TPS 20/400/220/33kv	No	No	No
168	400KV PUSAULI(PG)-DALTONGANJ-II	01-05-2019	Transmission	400 KV-SASARAM 765KV-400 KV-Daltonganj-2	POWERGRID	400 KV-SASARAM 765KV	No	Yes	No	POWERGRID	400 KV-Daltonganj	No	Yes	No
169	220KV PUSAULI-DEHRI-SC	01-05-2019	Transmission	220 KV-SASARAM 765KV-220 KV-DEHRI 220KV-1	POWERGRID	220 KV-SASARAM 765KV	No	Yes	No	BSPTCL	220 KV-DEHRI 220KV	Yes	Yes	Yes