

Northern Region-Event Report for November 2018

S.No.	Region	Name of Elements (Tripped/Manually opened)	Affected Area	Owner/ Agency	Outage		Revival		Duration	Event (As reported)	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards	Energy Unservd (in MU)
					Date	Time	Date	Time						
1	NR	1) 220KV Chamera III(NHPC)-Chamera pool(PG) ckt-2 2) 220KV Budhi(Lanco)-Chamera III(NHPC)	Himachal Pradesh	NHPC/POWERGRID/Lanco	2-Nov-18	16:10	2-Nov-18	19:35	03:25	A problem occurred in UR1 GIS breaker compartment caused Bus bar protection operation at 220KV Chamera III(NHPC) leading to tripping of 220KV Chamera III(NHPC)-Chamera pool(PG) ckt-2& 220KV Budhi(Lanco)-Chamera III(NHPC) ckt-1. As per PMU, B-N fault is observed. SCADA data at 220KV Chamera III(NHPC) was suspected during the incident.	NIL	NIL	GI-2	
2	NR	1) 220KV Sala(NHPC)-Kishenpur(PG) ckt-3 2) 220KV Sala(NHPC)-Kishenpur(PG) ckt-4 3) 400KV Kishenpur(PG) -New Wanpoh(PG) ckt-4	Jammu & Kashmir	POWERGRID & NHPC	3-Nov-18	15:24	3-Nov-18	15:48	00:24	400KV Kishenpur(PG) -New Wanpoh(PG) ckt-4 tripped on Phase to earth fault(B-N fault), 111 kms from Kishenpur(PG) end. At the same time, 220KV Sala(NHPC)-Kishenpur(PG) ckt-3 & ckt-4 also tripped. As per PMU, B-N fault is observed. Another B-N fault observed after 1 sec with delayed clearance of 680ms.	NIL	NIL	GI-2	
3	NR	1) 400KV New Wanpoh(PG) -Kishenpur(PG)-ckt-1 2) 400KV New Wanpoh(PG) -Kishenpur(PG)-ckt-2 3) 400KV New Wanpoh(PG) -Wagooora(PG)-ckt-1 4) 400KV New Wanpoh(PG) -Wagooora(PG)-ckt-2	Jammu & Kashmir	POWERGRID	4-Nov-18	09:45	4-Nov-18	10:06	00:21	400KV New Wanpoh(PG) -Kishenpur(PG)-ckt-1 & 2, 400KV New Wanpoh(PG) -Wagooora(PG)-ckt-1 & 2 tripped on R-B Fault, 132km from Kishenpur(PG) end. As per PMU, multiple R-B fault observed in the system. In antecedent conditions, 400KV New Wanpoh(PG) -Wagooora(PG)-ckt-1 & 2 carrying 135MW each and 400KV Kishenpur(PG)-New Wanpoh(PG) ckt-1 & 2 carrying 135 MW each.	NIL	NIL	GI-2	
4	NR	1) 400KV Aligarh(UP)-Sikandrabad(UP)-1 2) 400KV Aligarh(UP)-Sikandrabad(UP)-2 3) 400KV Aligarh(UP)-Mainpuri(UP)-1 4) 400KV Aligarh(UP)-Mainpuri(UP)-2 5) 400KV Aligarh(UP)-Pankaj(UP) 6) 400KV Aligarh(UP)-Muradnagar(UP)-1 7) 400/220KV 500 MVA ICT #1 at Aligarh(UP) 8) 400/220KV 500 MVA ICT #2 at Aligarh(UP) 9) 400KV Sikandrabad(UP)-G.Noida(UP)-1 10) 400KV Sikandrabad(UP)-G.Noida(UP)-2 11) 400KV Muradnagar(UP)-Ataur(UP) 12) 765/400KV 1000 MVA ICT #1 at Mainpuri(UP)	Uttar Pradesh	UP	6-Nov-18	18:13	6-Nov-18	19:04	00:51	B-N fault occurred resulted in tripping of all 400KV ckt from Aligarh(UP) along with both 400/220KV ICTs. 400KV Muradnagar-Ataur, 765/400KV ICT #1 at Mainpuri(UP) and 400KV Sikandrabad-G.Noida also tripped. 400KV Sikandrabad-Aligarh hand tripped.	NIL	200	GD-1	0.16
5	NR	1) 400KV Ballabgarh(PG)-Tughlakabad(PG)-2 2) 400KV Ballabgarh(PG)-Nawada(HVPNL)	Haryana	Delhi/POWERGRID/Haryana	7-Nov-18	04:01	7-Nov-18	05:45	01:44	400KV Ballabgarh(PG)-Tughlakabad(PG)-2 and Ballabgarh(PG)-Nawada(HVPNL) tripped on over voltage. As per PMU, no fault observed.	NIL	NIL	GI-2	
6	NR	1) 220KV Sakatpura(RVPNL)-Dyra(RVPNL) 2) 220KV Sakatpura(RVPNL)-Arta(KTFC) 3) 220KV Sakatpura(RVPNL)-RAP5-1 4) 220KV Sakatpura(RVPNL)-RAP5-2 5) 220KV Sakatpura(RVPNL)-RAP5-3 6) 220KV Sakatpura(RVPNL)-Bhanpura(MPPTCL) 7) 220KV Sakatpura(RVPNL)-KTPS(RRVUNL)-1 8) 220KV Sakatpura(RVPNL)-KTPS(RRVUNL)-3 9) 220KV Sakatpura(RVPNL)-KTPS(RRVUNL)-4 10) 220KV KTPS(RRVUNL)-KOTAPG-1 11) 220KV KTPS(RRVUNL)-Modak 12) 220KV KTPS(RRVUNL)-Heerapura(RVPNL) 13) 220KV Sakatpura(RRVPNL)-Mandalgarh(RRVPNL) 14) Unit #2 at KTPS 15) Unit #3 at KTPS 16) Unit #4 at KTPS 17) Unit #5 at KTPS 18) Unit #6 at KTPS 19) Unit #7 at KTPS	Rajasthan	Rajasthan/NTPC	13-Nov-18	14:26	13-Nov-18	14:40	00:14	Due to fault and subsequent bus bar protection operation at 220KV Sakatpura, cascade tripping occurred at 220KV KTPS and 220KV Dyra and Rana Pratap Sagar. All running units viz. Unit #2, #3, #4, #5, #6 & #7 also tripped at KTPS.	700	250	GD-1	0.06
7	NR	1) 315 MVA ICT 1 at 400/220KV Nalagarh(PG). 2) 220KV Mohali(Pun)-Nalagarh(PG) ckt-2 3) 220KV Nalagarh(PG)-Upanangala(HP) ckt-2 4) 220KV Kish_cha(CHD)-Nalagarh(PG) ckt-1	Punjab	POWERGRID, Punjab & HP	19-Nov-18	13:44	19-Nov-18	14:26	00:42	315 MVA ICT 1 at 400/220KV Nalagarh(PG) tripped due to LBB protection operation of 220KV Mohali(Pun)-Nalagarh(PG) ckt-2. As per PMU, R-N fault is observed. In antecedent condition, 315 MVA ICT 1 & 220KV Mohali(Pun)-Nalagarh(PG) carrying 119 MW & 45 MW respectively.	NIL	NIL	GI-2	
8	NR	1) 220KV Sarsawa(UPPTCL) -Khodri (UPCL) 2) 220KV Khodri(UTT)-Saharanpur(UP) ckt-2 3) 220KV Khodri(UTT)-Chibra(UTT) ckt-1 4) 220KV Khodri(UTT)-Chibra(UTT) ckt-2	Uttarakhand & Uttar Pradesh	Uttarakhand & UP	21-Nov-18	08:43	21-Nov-18	09:48	01:05	Bus bar protection operated at 220KV Khodri(UTT) due to snake climbed on 220KV R-Ph CT resulting in tripping of 220KV Sarsawa(UPPTCL)-Khodri (UPCL) & 220KV Khodri(UTT)-Saharanpur(UP) ckt-2. As per PMU, R-N fault with delayed clearance is observed. In antecedent conditions, 220KV Khodri(UTT)-Saharanpur(UP) ckt-2 carrying 135 MW.	162	NIL	GD-1	
9	NR	1) 220KV Bhiwadi(PG)-Kushkhera(RVPNL) ckt-2 2) 220KV Bhiwadi(PG)-Bhiwadi(RVPNL) ckt-2 3) 220KV Bhiwadi(PG)-Mau(HVPNL) 4) 315 MVA ICT 1 at 400/220KV Bhiwadi(PG) 5) 315 MVA ICT 3 at 400/220KV Bhiwadi(PG) 6) 220KV Bhiwadi(PG)-Rewari(HVPNL) ckt-1 7) 220KV Bhiwadi(PG)-Rewari(HVPNL) ckt-2 8) 220KV Bus 2 at 400/220KV Bhiwadi(PG)	Rajasthan	POWERGRID, Haryana & Rajasthan	24-Nov-18	08:14	24-Nov-18	09:18	01:04	220KV Bhiwadi(PG)-Kushkhera(RVPNL) ckt-2 tripped due to broken jumper at Tower No. 20. At the same time, 220KV Bhiwadi(PG)-Bhiwadi(RVPNL) ckt-2, 220KV Bhiwadi(PG)-Mau(HVPNL) and 315 MVA ICT 1 & ICT 3 also tripped. As per PMU, B-N fault is observed. Voltage drop also observed in R & Y phase. In antecedent conditions, 315 MVA ICT 1 & ICT 3 carrying 150 MW & 140 MW respectively.	NIL	NIL	GI-2	
10	NR	1) 220KV Napp(NPC)-Simbholi(UP) 2) 220KV Meerut(PG)-Simbholi(UP)	Uttar Pradesh	UP, NPC & POWERGRID	25-Nov-18	11:23	25-Nov-18	13:40	02:17	220KV Napp(NPC)-Simbholi(UP) and 220KV Meerut(PG)-Simbholi(UP) tripped at 11:23Hrs. As per PMU, B-N fault with delayed clearance is observed. In antecedent conditions, 220KV Napp(NPC)-Simbholi(UP) carrying 101 MW.	NIL	NIL	GI-2	

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					Date	Time	Date	Time						
11	NR	1) 400KV Dadri(NTPC)-G.Noida(UP) 2) 400KV G.Noida(765)-G.Noida(400) ckt-2 3) 400KV Dadri(NTPC)-Panipat(BBMB) ckt-2 4) 500MVA 400/220kV ICT 5 at 400KV Greater Noida(UP) 5) 315MVA 400/220kV ICT 1 at 400KV Greater Noida(UP) 6) 315MVA 400/220kV ICT 2 at 400KV Greater Noida(UP)	Uttar Pradesh	UP, POWERGRID & NTPC	26-Nov-18	01:56	26-Nov-18	02:31	00:35	Due to Y-phase CT blast of Dadri (NTPC) line at 400 kV Greater Noida (UP), 400KV Dadri(NTPC)-400KV Greater Noida(UP) & 400KV Greater Noida(UP)-765kV Greater Noida(UP) ckt-2 tripped along with 500 MVA ICT-5, 315 MVA ICT-1 & 2. At the same time, 400 kV Dadri(NTPC)-Panipat(BBMB) ckt-2 also tripped from Dadri(NTPC) end. As per PMU, R-N fault is observed. In antecedent conditions, 500MVA ICT5, 315 MVA ICT1 & 315 MVA ICT2 carrying 101MW, 62MW & 67MW respectively.	NIL	NIL	GI-2	
12	NR	1) 500MVA 400/220kV ICT1 at 400KV Ataur(UP) 2) 500MVA 400/220kV ICT2 at 400KV Ataur(UP) 3) 220KV Ataur(UP)-Mort(UP) ckt-2 4) 220KV Ataur(UP)-Mandola(UP) ckt-1	Uttar Pradesh	UP	26-Nov-18	15:32	26-Nov-18	16:34	01:02	500MVA 400/220kV ICT 1 & ICT 2 at 400KV Ataur(UP) tripped due to Bus bar protection maloperation. As per PMU, No fault is observed in the system. In antecedent conditions, 500MVA ICT 2 carrying 72 MW.	NIL	NIL	GI-2	
13	NR	1) 400KV Rajpura(Pun)-Rajpura(TH)(Pun) ckt-2 2) 400KV Rajpura(Pun)-Dhuri(Pun) ckt-1	Punjab	Punjab	26-Nov-18	15:49	26-Nov-18	16:57	01:08	400KV Rajpura(Pun)-Rajpura(TH)(Pun) ckt-2 and 400KV Rajpura(Pun)-Dhuri(Pun) ckt-1 tripped while doing testing work. As per PMU, No fault observed in the system. In antecedent condition, 400KV Rajpura(Pun)-Rajpura(TH)(Pun) ckt-2 & 400KV Rajpura(Pun)-Dhuri(Pun) ckt-2 carrying 274 MW & 86 MW respectively.	NIL	NIL	GI-2	
14	NR	1) 400KV Banda(UP)-Oral(UP) ckt-1 2) 315 MVA 400/220kV ICT 1 at Oral(UP) 3) 400 kV Bus 2 at 400/220kV Oral(UP)	Uttar Pradesh	UP	29-Nov-18	02:25	29-Nov-18	04:26	02:01	400KV Banda(UP)-Oral(UP) ckt-1 tripped on R-N fault. At the same time, 400 kV Bus 2 and 315 MVA ICT 1 at 400/220kV Oral(UP) also tripped. As per PMU, Y-N fault is observed. In antecedent condition, 315 MVA ICT 1 carrying 123 MW and 400KV Banda(UP)-Oral(UP) ckt-1 carrying 75 MW.	NIL	NIL	GI-2	