

Northern Region-Event Report for March 2019

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
					Date	Time	Date	Time					
1	NR	1) 400kV Ballabgarh(PG)-Maharaniabagh(PG) 2) 400kV Dadri(NTPC)-Maharaniabagh(PG)	Delhi	POWERGRID, Delhi & NTPC	3-Mar-19	4:01	3-Mar-19	06:51	02:50	400kV Ballabgarh(PG)-Maharaniabagh(PG) and 400kV Dadri(NTPC)-Maharaniabagh(PG) tripped on overvoltage. As per PMU, No fault is observed in the system. In antecedent conditions, 400kV Ballabgarh(PG)-Maharaniabagh(PG) and 400kV Dadri(NTPC)-Maharaniabagh(PG) carrying 22 MW & 266 MW respectively.	Nil	200	GD-1
2	NR	1) 220kV Bhadla(RRVPNL)-Badisid(RRVPNL) ckt-1 2) 220kV Bhadla(RRVPNL)-RSDCL(RRVPNL) ckt-1 3) 220kV Bhadla(RRVPNL)-RSDCL(RRVPNL) ckt-2 4) 220kV Bhadla(RRVPNL)-RSDCL(RRVPNL) ckt-3 5) 220kV Bhadla(RRVPNL)-RSDCL(RRVPNL) ckt-4 6) 220kV Bhadla(RRVPNL)-Saurya Urja(RRVPNL) ckt-1 7) 220kV Bhadla(RRVPNL)-Saurya Urja(RRVPNL) ckt-2	Rajasthan	Rajasthan	6-Mar-19	10:58	6-Mar-19	11:43	00:45	800MW(approx) solar generation loss due to tripping of 220kV Bhadla-Badisid line at 10:58Hrs due to Snapping of Wave trap jumper. At the same time, 220kV RSDCL1,2,3 and 4 lines and 220kV Saurya Urja-1 and 2 also tripped. As per PMU, No fault is observed in the system. In antecedent conditions, 220kV Bhadla(RRVPNL)-Saurya Urja(RRVPNL) ckt-1 & 2 carrying 254 MW each.	1100	Nil	GD-1
3	NR	1) 220kV Bus 2 at 220kV Kishanganga(NHPC) 2) 220kV Bus 1 at 220kV Kishanganga(NHPC) 3) 220kV Delina(JK)-Kishanganga(NHPC) ckt-1 4) 220kV Delina(JK)-Kishanganga(NHPC) ckt-2	Jammu & Kashmir	NHPC, J&K & POWERGRID	6-Mar-19	15:34	6-Mar-19	19:33	03:59	220kV Bus 2 at 220kV Kishanganga(NHPC) tripped due to operation of Bus bar protection. All the units and 220kV Delina(JK)-Kishanganga(NHPC) ckt-1 & 2 are connected to bus-2, and Bus-1 is charged through bus coupler. As per PMU, No fault is observed in the system. In antecedent conditions, No generation is there at 220kV Kishanganga(NHPC).	Nil	Nil	GI-2
4	NR	1) 220kV Bus 2 at 220kV Kishanganga(NHPC) 2) 220kV Bus 1 at 220kV Kishanganga(NHPC) 3) 220kV Delina(JK)-Kishanganga(NHPC) ckt-1 4) 220kV Delina(JK)-Kishanganga(NHPC) ckt-2	Jammu & Kashmir	NHPC, J&K & POWERGRID	9-Mar-19	16:15	9-Mar-19	17:33	01:18	220kV Delina(JK)-Kishanganga(NHPC) ckt-1 & 2 tripped due to operation of Bus Bar Differential protection at 220kV Kishanganga(NHPC) end. As per PMU, Y-N fault with no auto-reclosing is observed. In antecedent conditions, No generation is there at 220kV Kishanganga(NHPC).	Nil	Nil	GI-2
5	NR	1) 500 MVA ICT 1 at 400/220kV Tughlakabad(PG) GIS 2) 220kV Badarpur(NTPC)-Tughlakabad(PG) ckt-1 3) 220kV Mehrauli(DTL)-Tughlakabad(PG) ckt-1	Delhi	Delhi & POWERGRID	11-Mar-19	13:00	11-Mar-19	13:48	00:48	500 MVA ICT 1 at 400/220kV Tughlakabad(PG) GIS & 220kV Badarpur(NTPC)-Tughlakabad(PG) ckt-1, 220kV Mehrauli(DTL)-Tughlakabad(PG) ckt-1 tripped on R-N fault. As per PMU, R-N fault with no auto-reclosing is observed. In antecedent conditions, 500 MVA ICT 1 at 400/220kV Tughlakabad(PG) GIS carrying 82 MW.	Nil	Nil	GI-2
6	NR	1) 200 MVA ICT 2 at 220/132 kV Rai Bareilly(PG) 2) 200 MVA ICT 3 at 220/132 kV Rai Bareilly(PG)	Uttar Pradesh	POWERGRID & UP	12-Mar-19	5:20	12-Mar-19	06:11	00:51	200 MVA ICT 2 & 3 at 220/132 kV Rai Bareilly(PG) tripped. At 05:20Hrs, 132kV Amawan(UP)-Bachrawan(UP) tripped on Y-N fault. Due to some problem in breaker at 132kV Amawan(UP), Fault was extended to 220/132 kV Rai Bareilly(PG) which leads to tripping of ICTs. As per PMU, Y-N fault with no auto-reclosing is observed. In antecedent conditions, 200 MVA ICT 2 & 3 at 220/132 kV Rai Bareilly(PG) carrying 57 MW & 58 MW respectively.	Nil	Nil	GI-1
7	NR	1) 500 MVA ICT 1 at 400/220 kV Gorakhpur(UP) 2) 315 MVA ICT 2 at 400/220 kV Gorakhpur(UP)	Uttar Pradesh	UP	12-Mar-19	19:11	12-Mar-19	20:17	01:06	500 MVA ICT 1 & 315 MVA ICT 2 at 400/220 kV Gorakhpur(UP) tripped due to damaging of B phase CT of ICT-2 at 400/220 kV Gorakhpur(UP). As per PMU, B-N fault is observed. In antecedent conditions, 500 MVA ICT 1 & 315 MVA ICT 2 at 400/220 kV Gorakhpur(UP) carrying 220 MW & 140 MW respectively.	Nil	200	GD-1
8	NR	1) 220kV Bus 1 at 220kV Salal(NHPC) 2) 220kV Bus 2 at 220kV Salal(NHPC) 3) 220kV Salal(NHPC) - Kishenpur(PG) ckt-1,2,3 & 4 4) 220kV Salal(NHPC) - Gladni(JK) ckt-1 & 2 5) 115 MW Unit#1 & 2 at 220kV Salal(NHPC)	Jammu & Kashmir	NHPC, J&K & POWERGRID	14-Mar-19	15:11	14-Mar-19	15:28	00:17	Due to Bus bar protection operation of Bus-2, all the lines emanating from Salal tripped from Salal end only along with units 1 & 2. At the time of tripping, all the lines and units were connected with Bus-2 only and Bus-1 was charged through bus coupler. This arrangement was done by Salal(NHPC) for some testing purpose of Unit-5. As per PMU, No fault is observed in the system. In antecedent conditions, 220kV Salal(NHPC) - Gladni(JK) ckt-1 & 2 carrying 36 MW & 56 MW respectively.	120	Nil	GD-1
9	NR	1) 220kV Akal(RRVPNL)-Bhu(RRVPNL) ckt-1 2) 220kV Akal(RRVPNL)-Amarsagar(RRVPNL) 3) 220kV Akal(RRVPNL)-Barmer(RRVPNL) 4) 220kV Akal(RRVPNL)-Dangari(RRVPNL) ckt-1 5) 220kV Akal(RRVPNL)-Bhensada(RRVPNL) 6) 220kV Akal(RRVPNL)-Jajja(RRVPNL) 7) 400kV Akal(RRVPNL)-Ramgarh(RRVPNL) ckt-2 8) 315MVA ICT-1 at 400/220 kV Akal(Raj)	Rajasthan	Rajasthan	15-Mar-19	0:13	15-Mar-19	00:45	00:32	Metering CT of 220kV Akal(RRVPNL)-Bhu(RRVPNL) ckt-1 blast and caught fire at Akal and same time ICT-1 tripped with relay indication 86 and complete LT supply out because the source of LT supply is from ICT-1. Due to darkness and to start the fire fighting system immediately for controlling fire of CT, Akal 5/stn had charged ICT-1 without taking Code in view of urgency. As per PMU, Y-N fault followed by R-N fault is observed. In antecedent conditions, 315MVA ICT-1 at 400/220 kV Akal(Raj) carrying 189 MW.	300	Nil	GD-1
10	NR	1) 220kV Hiranagar(JK)-Jammu(JK) 2) 132kV Sewa 2(NHPC)- Hiranagar(JK) ckt-1 3) 132kV Sewa 2(NHPC)- Hiranagar(JK) ckt-2 4) 132kV Sewa 2(NHPC)- Kathua(JK) 5) 132kV Sewa 2(NHPC)- Mahanpur(JK)	Jammu & Kashmir	POWERGRID, NHPC & J&K	17-Mar-19	17:54	17-Mar-19	18:57	01:03	All the four lines from 132kV Sewa 2(NHPC) tripped thrice at 17:54Hrs, 18:10Hrs & 18:20Hrs, resulting in tripping of units repeatedly. 220kV Hiranagar(JK)-Jammu(JK) also tripped thrice at the same time. As per PMU, No fault is observed in the system. In antecedent conditions, total generation at Sewa 2(NHPC) was around 120 MW(as per SCADA).	120	Nil	GD-1

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					Date	Time	Date	Time					
13	NR	1) 400kV Rewa Road(UP)-Banda(UP) ckt-1 2) 400kV Rewa Road(UP)-Banda(UP) ckt-2 3) 400kV Rewa Road(UP)-Panki(UP) 4) 400kV Rewa Road(UP)-Obra(UP)	Uttar Pradesh	UP	18-Mar-19	17:06	18-Mar-19	18:08	01:02	multiple 400kV lines emanating from 400/220kV Rewa Road(UP) tripped as LT lines shorted with 400kV lines due to threat of kites. As per PMU, R-N fault is observed with no auto-reclosing. In antecedent conditions, 400kV Rewa Road(UP)-Banda(UP) ckt-1 & 2, 400kV Rewa Road(UP)-Panki(UP) & 400kV Rewa Road(UP)-Obra(UP) carrying 126 MW, 128 MW, 164 MW & 257 MW respectively.	Nil	Nil	GI-2
11	NR	1) 220kV Bus 1 at 220kV Sala(NHPC) 2) 220kV Bus 2 at 220kV Sala(NHPC) 3) 220kV Sala(NHPC) - Kishenpur(PG) ckt-1,2,3 & 4 4) 220kV Sala(NHPC) - Gladni(JK) ckt-1 & 2 5) 115 MW Unit#1,2,3,4,5 & 6 at 220kV Sala(NHPC)	Jammu & Kashmir	NHPC, J&K & POWERGRID	18-Mar-19	18:37	18-Mar-19	19:22	00:45	Bus fault occurred at 220kV Sala(NHPC) extended bus leading to tripping of Generator units and lines emanating 220kV Sala(NHPC). Further, while charging the 220kV Sala(NHPC)-Kishenpur(PG) ckt-3, all the lines again tripped. As per PMU, three phase fault with delayed clearance of 400ms is observed in the system. In antecedent conditions, 220kV Sala(NHPC) - Gladni(JK) ckt-1 & 2 carrying 113 MW & 101 MW respectively.	600	Nil	GD-1
12	NR	1) 200 MVA ICT 2 at 220/132 kV Rai Bareilly(PG) 2) 200 MVA ICT 3 at 220/132 kV Rai Bareilly(PG) 3) 100 MVA ICT 1 at 220/132 kV Rai Bareilly(PG)	Uttar Pradesh	POWERGRID & UP	18-Mar-19	18:42	18-Mar-19	19:53	01:11	200 MVA ICT 3 & 2 and 100 MVA ICT 1 at 220/132 kV Rai Bareilly(PG) tripped due to Blast of Y-Phase PT of 132 kV Amawan(UP)-Tripura(UP) ckt-1 at UPPTCL end. As per PMU, Y-N fault with no auto-reclosing is observed. In antecedent conditions, 200 MVA ICT 3 & 2 and 100 MVA ICT 1 at 220/132 kV Rai Bareilly(PG) carrying 73 MW, 72 MW & 37 MW respectively.	Nil	100	GD-1
14	NR	1) 200kV AD Hydro-Nalagarh(PG) 2) 200kV AD Hydro-Phozal 3) 200kV Phozal-Chaur 4) 200kV Chaur-Nalagarh(PG) 5) Unit #2 at AD Hydro HEP (One unit running at the time of tripping)	Himachal Pradesh	ADHEP/EVEREST/HP/POWERGRID	20-Mar-19	19:15	20-Mar-19	20:29	01:14	R-N fault occurred in 220kV AD Hydro-Nalagarh and 220kV Chaur-Nalagarh cts. 220kV Chaur-Phozal remained connected from Chaur end. Running unit #2 at AD Hydro also tripped due to evacuation constraint.	97	Nil	GD-1
15	NR	1) 220kV Sakatpura(RVPNL)-Anta(NTPC) 2) 220kV Sakatpura(RVPNL)-RAPS A(NPC)-1 3) 220kV Sakatpura(RVPNL)-RAPS B(NPC) 4) 220kV Sakatpura(RVPNL)-KTPS(RRVUNL)-1 5) 220kV Sakatpura(RVPNL)-KTPS(RRVUNL)-2 6) 220kV Sakatpura(RVPNL)-KTPS(RRVUNL)-3 7) 220kV Sakatpura(RVPNL)-KTPS(RRVUNL)-4 8) 220kV Sakatpura(RRVPNL)-Bhilwara(RRVPNL)-1	Rajasthan	Rajasthan, NTPC & NPC	23-Mar-19	19:26	23-Mar-19	20:01	00:35	Bus bar protection of 220kV Bus 1 at Sakatpura(RVPNL) operated due to failure of B-Ph CT of 220kV Sakatpura(RVPNL)-RAPS A(NPC)-1 at Sakatpura leading to tripping of all the connected circuits to Bus-1. As per PMU, B-N fault followed by R-N fault is observed. In antecedent conditions, 220kV Sakatpura(RVPNL)-KTPS(RRVUNL)-1,2,3 & 4 carrying 1MW, 30MW, 3MW & 27MW respectively.	Nil	Nil	GI-1
16	NR	1) 120 MW Unit#2 at 400kV Uri 1(NHPC) 2) 120 MW Unit#3 at 400kV Uri 1(NHPC) 3) 120 MW Unit#4 at 400kV Uri 1(NHPC) 4) 120 MW Unit#1 at 400kV Uri 1(NHPC)	Jammu & Kashmir	NHPC & J&K	23-Mar-19	20:50	23-Mar-19	22:49	01:59	All the 4 nos. unit at URI-1 tripped due to interruption in auxiliary supply as 11 kV bus bar PT burst at URI generating station. As per PMU, No fault is observed in the system. In antecedent conditions, Units are generating approx 120 MW each.	480	Nil	GD-1
17	NR	1) 400kV Allahabad(PG)-Meza TPS(UP) ckt-1 2) 400kV Meza TPS(UP)-Masoli(UP)	Uttar Pradesh	UP & POWERGRID	26-Mar-19	6:36	26-Mar-19	07:40	01:04	400kV Khedar-Krori D/C tripped simultaneously. As per PMU data, Y-N fault occurred.	Nil	Nil	GI-2
18	NR	1) 400kV Akal(RRVPNL)-Kankani(RRVPNL) ckt-1 2) 400kV Akal(RRVPNL)-Kankani(RRVPNL) ckt-2	Rajasthan	Rajasthan	28-Mar-19	13:14	28-Mar-19	14:20	01:06	400kV Akal(RRVPNL)-Kankani(RRVPNL) ckt-1 tripped on B-N fault, 40km from Akal end. At the same time, 400kV Akal(RRVPNL)-Kankani(RRVPNL) ckt-2 also tripped due to DT received at Kankani end. As per PMU, B-N fault with no auto-reclosing attempt is observed. In antecedent conditions, 400kV Akal(RRVPNL)-Kankani(RRVPNL) ckt-1 & 2 carrying 102 MW & 104 MW respectively.	Nil	Nil	GI-2
19	NR	1) 315 MVA ICT 1 at 400/220kV Gurgaon(PG) 2) 315 MVA ICT 2 at 400/220kV Gurgaon(PG) 3) 220kV Gurgaon sec 72 (HVPNL) - Gurgaon (PG) ckt-1, 2,3,4	Haryana	Haryana & POWERGRID	30-Mar-19	0:38	30-Mar-19	01:45	01:07	220 kV feeders of sect-72 Gurgaon ckt.1,2,3,4 tripped from Gurgaon(PG), due to bus-bar protection operated at Gurgaon Sect-72(HVPNL). 315 MVA ICT-1&2 at Gurgaon(PG) also tripped along with the 220 kV feeders. As reported by SLDC,Haryana due to CT blast of the 220 kV sec72-sec52 ckt lines tripped on Z1, B-phase causing tripping of all 220 kV lines and 03 nos. of 100 MVA ICTs at 220kV Gurgaon Sect-72(HVPNL). As per PMU, Multiple dip in phase voltage of all three phases at different time is observed. In antecedent conditions, 315 MVA ICT 1 & ICT 2 at 400/220kV Gurgaon(PG) carrying 71 MW & 66 MW respectively.	Nil	350	GD-1
20	NR	1) 220kV Dhauliganga(NHPC)-Pithoragarh(PG) 2) 220kV Bareilly(UP)-Dhauliganga(NHPC) 3) 70 MW Unit#1 at 220kV Dhauliganga(NHPC)	Uttar Pradesh	NHPC, UP & POWERGRID	30-Mar-19	14:52	30-Mar-19	15:50	00:58	220kV Bus 2 at 220kV Dhauliganga(NHPC) tripped due to operation of bus bar protection. As per PMU, No fault is observed in the system. In antecedent conditions, Unit#1 at 220kV Dhauliganga(NHPC) generating 70MW.	70	Nil	GD-1
21	NR	1) 800kV HVDC Champa(WR) - Kurukshehra(NR) ckt-1 2) 800kV HVDC Champa(WR) - Kurukshehra(NR) ckt-2	Haryana	POWERGRID	30-Mar-19	16:33	30-Mar-19	18:53	02:20	800kV HVDC Champa(WR) - Kurukshehra(NR) ckt-1 & 2 tripped due to operation of earth over current protection. As per PMU, Voltage dip in all three phases is observed. In antecedent conditions, 800kV HVDC Champa(WR) - Kurukshehra(NR) ckt-1 & 2 carrying 225 MW each.	Nil	Nil	GI-2
22	NR	1) 400kV Daultabad(HVPNL)-Gurgaon(PG) ckt-1 2) 400kV Daultabad(HVPNL)-Gurgaon(PG) ckt-2	Haryana	POWERGRID & Haryana	30-Mar-19	18:00	30-Mar-19	21:20	03:20	400kV Daultabad(HVPNL)-Gurgaon(PG) ckt-1 & 2 tripped at 1800Hrs. As per PMU, Multiple B-N faults observed in the system. In antecedent conditions, 400kV Daultabad(HVPNL)-Gurgaon(PG) ckt-1 & 2 carrying 235 MW each.	Nil	Nil	GI-2

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					Date	Time	Date	Time					
23	NR	1) 220kV Bus 2 at 400/220kV Bhiwadi(PG) 2) 315 MVA ICT 2 at 400/220kV Bhiwadi(PG) 3) 315 MVA ICT 3 at 400/220kV Bhiwadi(PG) 4) 220kV Bhiwadi(PG)-Kushkhera(RVPNL) 5) 220kV Bhiwadi (PG) - Mau (HVPNL) 6) 220kV Bhiwadi(PG)-Bhiwadi(RVPNL) ckt-2 7) 220kV Bhiwadi(PG)-Rewari(HVPNL) ckt-2	Rajasthan	POWERGRID, Rajasthan & Haryana	30-Mar-19	18:09	30-Mar-19	19:41	01:32	220kV 220kV Bus 2 at 400/220kV Bhiwadi(PG) and associated elements tripped due to inclement weather. As per PMU, B-N fault is observed in the system. In antecedent conditions, 315 MVA ICT 2 & ICT 3 at 400/220kV Bhiwadi(PG) carrying 114 MW & 107 MW respectively.	Nil	Nil	GI-2

Western Region-Event Report for March 2019

S.No	Region	Name of Elements	Owner/Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Category as per CEA standards	Energy Unreserved (MU)
				Date	Time	Date	Time	Time					
1	WR	Tripping of 1.220 kv Lonikhand-Theur 2.220 kv Lonikhand- Ranjangaon 3.400/220 kv Lonikhand ICT 1&3	MSETCL	05-03-2019	07:33	05-03-2019	08:11	00:38	At 220kv Lonikhand, R phase CT clamp of 220 kv Ranjangaon circuit broke. 220 kv Bus 1 tripped on Bus bar protection operation along with all the connected elements.	Nil	110	GI-1	0.0697
2	WR	Tripping of 1.400 kv Aurangabad(MH)-Deepnagar 2.400 kv Aurangabad(MH)-Aurangabad 2 3.400 kv Aurangabad(MH)-Pune 2 4.400/220 kv, 315 MVA Aurangabad(MH) ICT 1 5.400/220 kv, 315 MVA Aurangabad(MH) ICT 2	MSETCL	05-03-2019	09:29	05-03-2019	11:02	01:33	At 400 kv Aurangabad(MH) s/s, 400 kv Bus 1 Bus bar protection mal-operated while taking outage of 400kv Aurangabad(MH)-Taptithanda and resulted in tripping of all the elements connected to 400 kv Bus 1.	Nil	Nil	GI-2	Nil
3	WR	Tripping of 1.765 kv Dharamjaygarh-Jharsughuda 1 2.765 kv Dharamjaygarh-Jharsughuda 4	PGCIL	09-03-2019	16:10	09-03-2019	17:40	01:30	At 765/400 kv Dharamjaygarh s/s, 765 kv Dharamjaygarh-Jharsuguda-4 tripped due to blasting of main bay B phase CT . 765 kv Dharamjalgarh-Jhasarguda 1 also tripped during the event and it was a mal-operation.	Nil	Nil	GI-2	Nil
4	WR	Tripping of 1.400/220 kv Veluda 500MVA ICT-1 2.400 kv Veluda-Vadavi Line 3.400 kv Veluda-Charanka 1 4.400 kv Veluda-Banaskantha 1	GETCO	12-03-2019	18:03	13-03-2019	14:35	20:32	400 kv Veluda Bus 1 tripped on Bus bar protection operation due to fault in B phase CT pilot cable of 400kv Veluda-Charanka-1.	Nil	Nil	GI-2	Nil
5	WR	Tripping of 1.220 kv Satana-Malegaon 2.220 kv Satana-Gangapur 3.220/132 kv 200 MVA Satana ICT 1 4.220/132 kv 150 MVA Satana ICT 2	MSETCL	17-03-2019	20:50	17-03-2019	22:36	01:46	At 220 kv Satana s/s, 220 kv Main Bus, B phase CT blasted and caused tripping of 220 kv Main bus and all the elements connected to it on Bus bar protection operation	Nil	Nil	GI-1	Nil
6	WR	Tripping of 1.220kv Boisar (MH) Bus B 220 kv Boisar(MH)-Boisar(PG) 2 3.220 kv Boisar(MH)-Boisar(PG) 3 4.220kv Boisar-Versova 5. 220/132kv 200MVA Boisar(MH) ICT 1 6. 220/132kv 150MVA Boisar(MH) ICT 7. 220/33kv 50MVA ICT 1	MSETCL	18-03-2019	09:55	18-03-2019	10:18	00:23	At Boisar (MSETCL) S/s, while carrying earthing rods in the Sub-Station, the rods came in the induction zone of 220kv Bus B causing tripping of all the elements connected to it. LTS operated due to the tripping of 220kv Boisar(MH)-Boisar 2&3 causing load relief of 159.2 MW.	Nil	159.2	GI-1	0.061026667
7	WR	Tripping of 1.400 kv 125 MVAR Bhuj Bus reactor 2.765/400 1500 MVA Bhuj ICT 1 3.765/400 1500 MVA Bhuj ICT 2	PGCIL	18-03-2019	21:09	19-03-2019	19:41	22:32	At Bhuj S/s, R phase CT of 400 kv 125 MVAR BR main bay failed and resulted in tripping of all the elements connected to 400 kv Bus 2 on Bus bar protection operation. 400 kv Bhuj Bus 1 was already under planned outage during the event.	Nil	Nil	GI-2	Nil
8	WR	Tripping of 1.400 kv JP Bina-Bina (PG) 2.400 kv JP Bina-Bina (MP) 3.250 MW JP Bina Unit 1 4.250 MW JP Bina Unit 2	JP Bina	18-03-2019	22:01	18-03-2019	23:12	01:11	At JP Bina S/s, R phase CT of Station Transformer blasted and caused tripping of all the elements connected to 400 kv Bus 1&2 on Bus bar protection operation.	322	Nil	GD-1	Nil
9	WR	Tripping of 1. ± 800 kv HVDC Champa-Kurukshetra Pole 1 2. ± 800 kv HVDC Champa-Kurukshetra Pole 2	PGCIL	20-03-2019	12:43	20-03-2019	20:03	07:20	± 800 kv HVDC Champa-Kurukshetra Bi-Pole blocked on filter power limit on Champa end during ramping down process.	Nil	Nil	GI-2	Nil
10	WR	Tripping of 1.400 kv Karad-Lonikhand 1 2.400 kv Karad-Talangede 1 3.400 kv Karad-Ney koyna 2 4.400 kv Karad-Jalgaed 1 5.400/220 kv Karad ICT 1 6.400 kv 125 MVAR Karad BR	MSETCL	21-03-2019	10:50	21-03-2019	11:38	00:48	At Karad S/s, 400 kv Bus 1 tripped along with all the connected elements. At the same time it was observed that R phase fault occurred in 400 kv Lonikhand-Karad 1 due to sugarcane burning and the line tripped.	Nil	Nil	GI-2	Nil
11	WR	Tripping of 1.765 kv 330 MVAR Bhuj Bus reactor 2.765 kv Bhuj-Banaskantha 1 3.765 kv Bhuj-Banaskantha 2 4.400 kv Bhuj-CGPL 2 5.765/400 1500 MVA Bhuj ICT 1 6.765/400 1500 MVA Bhuj ICT 2	PGCIL	21-03-2019	19:53	22-03-2019	00:03	04:10	At Bhuj S/s, Y phase LA of 765 kv 330 MVAR B/R failed and created Y phase fault. The B/R tripped on differential protection operation.765 kv Banaskantha-Bhuj 1&2 tripped from Banaskantha end only, on Zone 2 distance protection operation due to instantaneous time setting in Main 2 relay.400 kv Bhuj-CGPL 2 tripped at Bhuj end on DT received from CGPL end due to O/V stage 2 operation at CGPL end.	Nil	Nil	GD-1	Nil
12	WR	Tripping of 1. ± 800 kv HVDC Champa-Kurukshetra Pole 1 2. ± 800 kv HVDC Champa-Kurukshetra Pole 2	PGCIL	23-03-2019	12:54	24-03-2019	10:11	21:17	± 800 kv HVDC Champa-Kurukshetra Bi-Pole blocked on Common Neutral Area Protection (CNAP) operation	Nil	Nil	GI-2	Nil

13		Tripping of 1.400/220 kv 600 MVA Padghe ICT 4 2.400 kv Padghe-Boisar 3.220 kv Padghe-Themgar D/C 4.220 kv Padghe-Wada 5.220 kv Padghe-Kamba 2 6.220 kv Padghe-Jindal	MSETCL	28-03-2019	15:21	28-03-2019	16:06	00:45	At 400/220 kv Padghe s/s, 220 kv Themgar 2, Y phase Coupling capacitor blasted resulting in tripping of 400/220 kv Padghe ICT4, 400 kv Padghe-Boisar and 220 kv lines. Eventhough the Bus coupler and Bus sectionaliser opened, the elements connected to the other Bus tripped , may be due to the smoke and fumes created during the blasting of the capacitor.	Nil	Nil	GI-1	Nil
14	WR	Tripping of 1. ± 800 kv HVDC Champa-Kurukshetra Pole 1 2. ± 800 kv HVDC Champa-Kurukshetra Pole 2	PGCIL	30-03-2019	16:33	30-03-2019	18:53	02:20	± 800 kv HVDC Champa-Kurukshetra Bi-Pole blocked on Earth over current protection operation at Kurukshetra end.	Nil	Nil	GI-2	Nil
15	WR	Tripping of 1. 765 kv Gwalior Bus 2	PGCIL	30-03-2019	10:34	30-03-2019	14:18	03:44	765 kv Gwalior Bus 2 tripped on Bus bar protection operation due to the foreign material which came near the Induction zone. All the elements connected Via tie bay to 765 kv Bus 1.	Nil	Nil	GI-2	Nil

Disclaimer : The Above details are based on the preliminary/flash report of the event and may change after finalisation of the detailed report.The quantum of load/generation loss is based on details given by SLDC and utility and may vary later with updated details.

Eastern Region-Event Report for March 2019

Sl. No.	Region	Name of major elements	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Category as per CEA Grid Standards	Loss of Energy(in MU)
				Date	Time	Date	Time	Time					
1	ERLDC	400 kV STERLITE - Jharsuguda D/C 400 kV STERLITE - Lapanga D/C	OPTCL	14-Mar-19	13:39	14-Mar-19	14:36	00:57	At 13:39 hrs 400 kV SEL - Jharsuguda D/C and 400 kV SEL - Lapanga D/C tripped at 13:39 hrs. In PMU data, fault has been observed in R and Y phases. As per DR received DT received at Jharsuguda end.	0	0	GI-II	0.0000
2	ERLDC	400 kV Lapanga - Meramundali D/C 400 kV Lapanga - SEL D/C	OPTCL	15-Mar-19	11:59	15-Mar-19	14:56	02:57	400 kV bus I at Lapanga was out of service since previous day. At 11:59 hrs, bus II tripped due to isolator flashover of 400 kV Lapanga - Meramundali - II resulting total power failure at 400/220 kV at Lapanga s/s.	0	0	GI-II	0.0000
3	ERLDC	400 kV bus I at Binaguri 400 kV Binaguri - Purnea D/C	ISTS	27-Mar-19	12:42	27-Mar-19	13:37	00:55	400 kV Alipurduar - Binaguri - II tripped at 11:34 hrs on B-N fault. This line was charged at 12:42 hrs from Alipurduar end. While closing breaker at Binaguri end, all main breakers connected to bus I tripped. 400 kV Purnea - Binaguri D/C also tripped at this event.	0	0	GI-II	0.0000

Southern Region-Event Report for March 2019

Sl. No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration	Event (As reported)	Generation Loss (MW)	Load Loss (MW)	Category as per CEA Grid Standards	Energy Unreserved (MU)
				Date	Time (Hrs)	Date	Time (Hrs)	Time					
1	SR	All connected elements viz. 1. 230kV Mywadi - Udumalpet 1&2 2. 230kV Mywadi - Kadamparai 1&2 3. 230kV Mywadi - Okmantapam 4. 230kV Mywadi - Pondapuram 1&2 5. 230kV Mywadi - Sembatty 6. 230kV Mywadi - Kurkathi	TANTRANSCO	4-Mar-19	11:25	4-Mar-19	12:01	36 mins	Complete outage of 230kV Mywadi substation of TANTRANSCO : Triggering incident was B-ph fault (Peacock fault) between CT and breaker of 220kV Mywadi Annaikadavu line at 230kV Mywadi end. Distance protection operated in Zone -1 at Mywadi end. Since the breaker was already in open condition and the fault was between CT and breaker, LBB operated resulting in the tripping of all the elements connected to the bus. This resulted in the complete outage of 230kV Mywadi SS since it was under single bus operation due to non-availability of bus coupler CT.	----	----	GD-1	----
2	SR	All connected elements viz. 1. 230kV Veeranam- Abhishekpatty 1&2 2. 230kV Veeranam - Kayathar 3. 230kV Veeranam - Kodikur 1&2	TANTRANSCO	11-Mar-19	00:55	11-Mar-19	02:48	1 hr 48 mins	Complete outage of 230kV Veeranam substation of TANTRANSCO: Triggering incident was Y-phase CT blast in 230kV Tirunelveli (Abhishekpatty) – Veeranam Ckt-1. 230kV Trirunelveli – Veeranam Ckt-1 and 2 tripped. Two faults were observed from the PMU plot. During the second fault, delayed fault clearance of 400ms was observed. As reported, other connected feeders 230kV Veeranam – Kodikur ckt-1&2 and 230kV Veeranam – Kayathar tripped on Zone -2 protection.	----	----	GD-1	----
3	SR	1. 400kV MEDARAM-RAMADUGU-1 2. 400kV MEDARAM-RAMADUGU-2 3. 400kV SINGARENI - SUNDILA-1 4. 400kV SINGARENI SUNDILA-2 5. 400kV RAMADUGU - SINGARENI-1 6. 400kV RAMADUGU - SINGARENI-2 7. 400kV RAMADUGU - GAJWEL 1&2	TSGENCO / TSTRANSCO	12-Mar-19	17:03	12-Mar-19	17:22	19 mins	Complete Outage of 400kV Singareni Generating Station of TSGENCO, 400kV Ramadugu SS and 400kV Medaram SS of TSTRANSCO: During testing of Thippapur bay (New Element) at 400kV Ramadugu, all connected 6 feeders of 400kV Ramadugu got tripped due to spurious DT (Direct Trip) Receive. 400kV Medaram SS is connected only to 400kV Ramadugu SS. Hence this resulted in complete loss of supply at 400kV Medaram SS and 400kV Ramadugu SS. After the tripping of 400kV Ramadugu - Singareni 1&2, running unit#1 and 2 of 400kV Singareni Generating Station got tripped. 400kV Singareni Sundilla 1&2 were hand tripped at Singareni end.	1135 MW	250 MW	GD-1	
4	SR	All connected elements tripped viz. 1. 220kV Chinakampalli - Kalikiri 2. 220kV Chinakampalli - Rajampet 3. 220kV Chinakampalli - Muddanur 1&2 4. 220kV Chinakampalli - Renigunta 5. 400/220kV Cuddapah (Chinakampalli) ICT-1,2&3	Andhra Pradesh	25-Mar-19	04:13	25-Mar-19	04:38	25 mins	Complete outage of 220kV/132kV Chinakampalli Substation of APTRANSCO: Triggering incident was failure of B-ph CT of Bus Coupler at 220kV Chinakampalli SS. Bus bar protection of Bus-1 and Bus-2 operated resulting in the tripping of all the connected elements at 220kV Chinakampalli SS. 400kV/220kV ICT#1, 2 and 3 at Cuddapah also got tripped during this event.	----	285 MW	GD-1	
5	SR	i. 230 kV Pugalur - Paruthiyar ii. 230kV Pugalur - Budansandhai iii. 230kV Pugalur - Paramathi 1&2 iv. 230kV Pugalur - Ranaganathapuram v. 400/230kV ICT-1,2 &3	Tamil Nadu	14-Mar-19	13:24	14-Mar-19	13:54	30 mins	230kV Bus dead at 400/230kV Pugalur: Triggering incident was R-phase breaker failure in 230kV Pugalur end of Budansandhai feeder. LBB operated resulting in tripping of all connected elements. As reported, c230kV side was on single bus operation since bus sectionalizer provision is not there. 400kV side connected feeders did not trip.	66 MW	-	GI-1	-

North Eastern Region_Grid Disturbance_ for March 2019

Sl. No.	Region	Name of Element	Owner / Agency	Date and Time of Tripping	Date and Time of Restoration	Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Generation Loss in MU	Load Loss in MU	Category as per CEA Grid Standards
1	NER	132 kV Ranganadi-Ziro line	POWERGRID	11-Mar-19 10:20	11-Mar-19 10:55	35 mins	Ziro area of Arunachal Power System was connected with rest of NER Grid radially through 132 kV Ranganadi-Ziro line. At 10:20 Hrs on 11.03.2019, 132 kV Ranganadi-Ziro line tripped. Due to tripping of this element, Ziro area of AP was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	13	0	0.012	GD 1
2	NER	132 kV Ranganadi-Ziro line	POWERGRID	11-Mar-19 11:52	11-Mar-19 12:05	13 mins	Ziro area of Arunachal Power System was connected with rest of NER Grid radially through 132 kV Ranganadi-Ziro line. At 11:52 Hrs on 11.03.2019, 132 kV Ranganadi-Ziro and 132 kV Ziro-Daporijo line tripped simultaneously. Due to tripping of this element, Ziro area of AP was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	10	0	0.007	GD 1
3	NER	132 kV Doyang - Sanis line	DoP Nagaland	13-Mar-19 10:27	13-Mar-19 10:45	18 mins	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Doyang - Sanis line. 132 kV Karong - Kohima line kept idle charged from Kohima, 132 kV Dimapur (PG) - Kohima (DoP, Nagaland) line was under shutdown since 13:59 Hrs on 26.02.2019 and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 10:27 Hrs on 13.03.2019, 132 kV Doyang - Sanis line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	8	32	0.0024	0.01	GD 1
4	NER	132 kV Ziro - Daporijo line	DoP Arunachal Pradesh	15-Mar-19 11:47	15-Mar-19 14:02	2 hrs 15 mins	Daporijo area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Ziro - Daporijo line. At 11:47 Hrs on 15.03.2019, 132 kV Ziro - Daporijo line tripped. Due to tripping of this element, Daporijo area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	13	0	0.029	GD 1

5	NER	132 kV Dimapur (PG) - Doyang (NEEPCO) I & II lines	POWERGRID	16-Mar-19 11:08	16-Mar-19 11:17	9 mins	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur (PG) - Doyang (NO) I & II lines. 132 kV Dimapur (PG) - Kohima line was under shutdown since 13:59 hrs of 26.02.19 for rectification work due to blasting and excavation works on National Highway. 132 kV Karong (MA) - Kohima (DoP, Nagaland) line kept idle charged from Kohima end and 66 kV Tuensang - Likhimro line kept open due to construction activities. 132 kV Doyang - Mokokchung (DoP, Nagaland) line was kept open from Doyang end to avoid overloading of 220/132 kV, 30 MVA ICT I at Mokokchung (PG) (220/132 kV, 30 MVA ICT II at Mokokchung (PG) was under OCC approved shutdown). At 11:08 Hrs on 16.03.2019, 132 kV Dimapur (PG) - Doyang (NO) I & II lines tripped. Due to tripping of these elements, Capital area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	24	0	0.004	GD 1
6	NER	132 kV Hailakandi - Panchgram line	AEGCL	18-Mar-19 15:58	18-Mar-19 16:50	52 mins	Lumshnong Area of Meghalaya Power System and Panchgram Area of Assam Power System were connected with the rest of NER Grid via 132 kV Hailakandi - Panchgram line. (132 kV Srikona - Panchgram line was under outage since 14th June 2018 because of tower collapse, 132 kV Badarpur - Panchgram line was under planned shutdown, 132 kV Khliehriat - Lumshnong line was kept opened to control overloading of 132 kV Panchgram - Lumshnong line.). At 15:58 Hrs dated 18.03.19, 132 kV Hailakandi - Panchgram line tripped. Due to tripping of this element, Lumshnong Area of Meghalaya Power System and Panchgram Area of Assam Power System were separated from the rest of NER Grid and subsequently collapsed due to no source in these area.	0	66	0	0.057	GD 1
7	NER	132 kV Balipara-Khupi line	NEEPCO & DoP AP	26-Mar-19 15:08	26-Mar-19 15:43	35 mins	Khupi area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 15:08 Hrs on 26.03.2019, 132 kV Balipara- Khupi line tripped. Due to tripping of this element, Khupi area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	25	0	0.015	GD 1

8	NER	132 kV Badarpur-Kolasib line and 132 kV Aizawal-Kolasib line	POWERGRID	27-Mar-19 10:18	27-Mar-19 10:44	26 mins	Kolasib area of Mizoram Power System was connected with rest of NER Grid through 132 kV Badarpur- Kolasib line and 132 kV Aizawal- Kolasib line. At 10:18 Hrs on 27.03.2019, 132 kV Badarpur- Kolasib line and 132 kV Aizawal- Kolasib line tripped. Due to tripping of these lines, Kolasib area of Mizoram Power System was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	20	4	0.0086	0.002	GD 1
9	NER	132 kV Dimapur (PG)-Dimapur (DoP, Nagaland) I & II lines	POWERGRID & DoP Nagaland	27-Mar-19 15:35	27-Mar-19 15:56	21 mins	Dimapur area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur (PG)-Dimapur (NA) I & II lines. At 15:35 Hrs on 27.03.2019, 132 kV Dimapur (PG)-Dimapur (DoP, Nagaland) I & II lines tripped. Due to tripping of these elements, Dimapur area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	49	0	0.017	GD 1
10	NER	132 kV Loktak-Ningthoukhong line	MSPCL	27-Mar-19 21:31	27-Mar-19 22:02	31 mins	Ningthoukhong area of Manipur Power System was connected with rest of NER Grid through 132 kV Loktak - Ningthoukhong line. 132 kV Imphal(PG) - Ningthoukhong line & 132 kV Kakching-Kongba line kept open (for overloading of 132 kV Loktak-Ningthoukhong line). At 21:31 Hrs on 27.03.2019, 132 kV Loktak-Ningthoukhong line tripped. Due to tripping of this element, Ningthoukhong area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	57	0	0.029	GD 1
11	NER	132 kV Lekhi - Pare line and 132 kV Nirjuli - Lekhi Line	DoP AP, POWERGRID & NEEPCO	31-Mar-19 12:00	31-Mar-19 12:25	25 mins	Lekhi Area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Lekhi - Pare line and 132 kV Nirjuli - Lekhi Line. 132 kV Lekhi - Itanagar line was kept open due to CT ratio restriction. At 12:00 Hrs on 31.03.2019, 132 kV Lekhi - Pare line and 132 kV Nirjuli - Lekhi Line tripped. Due to tripping of these lines, Lekhi Area of Arunachal Pradesh Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	10	0	0.004	GD 1

12	NER	132 kV Sarusajai - Kahilipara 1,2,3 &4 lines	AEGCL	31-Mar-19 12:07	31-Mar-19 13:25	1 hrs 18 mins	Capital Area of Assam Power System and Motonga area of Bhutan Power System were connected with the rest of the NER grid through 132 kV Sarusajai - Kahilipara 1,2,3 &4 lines. 132 kV Kahilipara- Narengi line and 132 kV Dispur - CTPS line were kept open to control overloading of 3x100 MVA ICTs at Sarusajai substation. 132 kV Rangia-Bornagar line and 132 kV Rangia-Nalbari line kept open due to voltage dip issue and over loading of 220/132 kV BTPS ICT 1 & 2. 132 kV Rangia - Sipajhar line & 132 kV Rangia- Rowta line were kept open due to voltage dip issue. 132 kV Sarusajai - Kamakhya line was under shutdown from 07:14 Hrs on 31.03.19 for AMP. At 12:07 Hrs on 31.03.2019, 132 kV Sarusajai - Kahilipara 1,2,3 &4 lines tripped. Due to tripping of these elements, Capital Area of Assam Power System and Motonga area of Bhutan Power System were separated from the rest of the NER grid and subsequently collapsed due to no source in these areas.	0	110	0	0.143	GD 1
13	NER	132 kV Balipara- Khupi line	NEEPCO & DoP Arunachal Pradesh	31-Mar-19 13:23	31-Mar-19 14:19	56 mins	Khupi area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 13:23 Hrs on 31.03.2019, 132 kV Balipara- Khupi line tripped. Due to tripping of this element, Khupi area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	25	0	0.055	GD 1
14	NER	132 kV Daporijo - Ziro Line	DoP Arunachal Pradesh	31-Mar-19 15:23	31-Mar-19 16:00	37 mins	Daporizo area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Ziro (PG)-Daporizo line. At 15:23 Hrs on 31.03.2019, 132 kV Ziro (PG)-Daporizo line tripped. Due to tripping of this element, Daporizo area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	12	0	0.01	GD 1

North Eastern Region_Grid Incident_ for March 2019

Sl. No.	Region	Name of Element	Owner / Agency	Date and Time of Tripping	Date and Time of Restoration	Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Generation Loss in MU	Load Loss in MU	Category as per CEA Grid Standards
1	NER	AGTCCPP Unit-1	NEEPCO	03-Mar-19 05:56	03-Mar-19 7:00	64 mins	AGTCCPP Unit-1 tripped due to IGV (Inlet Guide Vane) control trouble(Revision of schedule from Block No. 28 on 03.03.19).	18	0	0.02	0	GI 1
2	NER	AGTCCPP Unit 2	NEEPCO	04-Mar-19 05:21	04-Mar-19 06:15	54 mins	AGTCCPP Unit 2 tripped at 05:21 Hrs on 04.03.19 due to loss of Communication with controller. (Revision of schedule from Block No.26 on 04.03.19).	16	0	0.01	0	GI 1
3	NER	AGTCCPP Unit 1	NEEPCO	04-Mar-19 06:32	04-Mar-19 07:15	43 mins	AGTCCPP Unit 1 tripped at 06:32 Hrs on 04.03.19 due to malfunctioning of network switch communicating with one of the controller and other devices of machine. (Revision of schedule from Block No.30 on 04.03.19).	17	0	0.01	0	GI 1
4	NER	BGTTP Unit 1	NTPC	08-Mar-19 17:48	08-Mar-19 18:45	57 mins	BGTTP Unit 1 tripped at 17:48 Hrs on 08.03.19 due to loss of flame failure. (Revision of schedule from Block No.76 on 08.03.19).	158	0	0.15	0	GI 2
5	NER	PALATANA Unit GTG-1	OTPCL	09-Mar-19 05:50	09-Mar-19 06:30	40 mins	PALATANA GTG 1 tripped at 05:50 Hrs on 09.03.19 due Stator E/F protection. (Revision of schedule from Block No.27 on 09.03.19).	241	0	0.16	0	GI 2
	NER	PALATANA Unit STG-1	OTPCL	09-Mar-19 05:50	09-Mar-19 06:30	40 mins	PALATANA STG 1 tripped at 05:50 Hrs on 09.03.19 due GT tripped to ST protection. (Revision of schedule from Block No.27 on 09.03.19).	126	0	0.08	0	GI 2
6	NER	AGTCCPP Unit 2	NEEPCO	10-Mar-19 06:23	10-Mar-19 07:00	37 mins	AGTCCPP Unit 2 tripped at 06:23 Hrs on 10.03.19 due to loss of Communication with controller. (Revision of schedule from Block No.29 on 10.03.19).	17	NER	0.01	0	GI 1
7	NER	AGTCCPP Unit 1	NEEPCO	10-Mar-19 09:03	10-Mar-19 09:45	42 mins	AGTCCPP Unit 1 tripped at 09:03 Hrs on 10.03.19 due to Generator electrical fault. (Revision of schedule from Block No.40 on 10.03.19).	19	0	0.01	0	GI 1
8	NER	AGTCCPP Unit 1	NEEPCO	10-Mar-19 13:03	10-Mar-19 13:45	42 mins	AGTCCPP Unit 1 tripped at 13:03 Hrs on 10.03.19 due to Generator electrical fault (Revision of schedule from Block No. 56 on 10.03.19).	16	0	0.01	0	GI 1

9	NER	AGTPP Unit 1	NEEPCO	11-Mar-19 18:38	11-Mar-19 19:15	37 mins	AGTCCPP Unit 1 tripped at 18:38 Hrs on 11.03.19 due to IGV control trouble. (Revision of schedule from Block No 78 on 11.03.19).	5	0	0.003	0	GI 1
10	NER	AGTPP EXTN Unit STG-1	NEEPCO	13-Mar-19 17:05	13-Mar-19 17:45	40 mins	AGTCCPP STG-1 tripped at 17:05 Hrs on 13.03.19 due to main steam temperature low . (Revision of schedule from Block No 72 on 13.03.19).	6	0	0.004	0	GI 1
11	NER	AGBPP Unit 9	NEEPCO	13-Mar-19 19:40	13-Mar-19 20:15	35 mins	AGBPP Unit-9 tripped at 19:40 Hrs on 13.03.19 due to tripping of Unit-5. (Revision of schedule from Block No 82 on 13.03.19)	12	0	0.01	0	GI 2
12	NER	AGBPP Unit-6	NEEPCO	24-Mar-19 11:24	24-Mar-19 12:00	36 mins	AGBPP Unit 6 tripped at 11:24 Hrs on 24.03.19 due to high vibration. (Revision of schedule from Block No 49 on 24.03.19).	28	0	0.02	0	GI 1
13	NER	AGBPP Unit-3	NEEPCO	25-Mar-19 17:02	25-Mar-19 17:45	43 mins	AGBPP Unit 3 tripped at 17:02 Hrs on 25.03.19 due to boiler high temperature . (Revision of schedule from Block No 72 on 25.03.19).	29	0	0.02	0	GI 2
14	NER	AGBPP Unit-2	NEEPCO	25-Mar-19 18:03	25-Mar-19 18:45	42 mins	AGBPP Unit 2 tripped at 18:03 Hrs on 25.03.19 due to boiler high temperature . (Revision of schedule from Block No 76 on 25.03.19).	26	0	0.02	0	GI 2
15	NER	BgTPP Unit-3	NTPC	31-Mar-19 15:31	31-Mar-19 16:15	44 mins	BGTPP Unit-3 tripped at 15:31 Hrs on 31.03.19 due to flame failure. (Revision of schedule from Block No 66 on 31.03.19).	117	0	0.09	0	GI 2
16	NER	AGTCCPP Unit-3	NEEPCO	31-Mar-19 18:05	31-Mar-19 18:45	40 mins	AGTCCPP Unit-3 tripped at 18:05 Hrs due to lube oil temperature high. (Revision of schedule from Block No 76 on 31.03.19).	18	0	0.01	0	GI 1