

Northern Region-Event Report for August 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 Unreserved (in MU)
					Date	Time	Date	Time						
1	NR	1) 220kV Ratangarh II(RVPNL)-Suratgarh(RVPNL) ckt 2 2) 220kV Suratgarh II(RVPNL)-Suratgarh(RVPNL) ckt 2 3) 220kV Bhadra(RVPNL)-Suratgarh(RVPNL) 4) 315MVA 400/220kV ICT1 at 400kV Suratgarh(RVPNL) 5) 315MVA 400/220kV ICT2 at 400kV Suratgarh(RVPNL) 6) 250MW Unit#3 at 400kV Suratgarh(RRVUNL) 7) 250MW Unit#4 at 400kV Suratgarh(RRVUNL) 8) Station Transformer 4 at 400kV Suratgarh(RVPNL)	Rajasthan	Rajasthan	1-Aug-18	12:08	1-Aug-18	22:33	10:25	B phase CT of 220kV Ratangarh II(RVPNL)-Suratgarh(RRVPNL) ckt 2 busted, it resulted into operation of 220kV Bus 2 Bus Bar protection at 220 kV Suratgarh (RRVPNL). It further resulted in failure of auxiliary supply of running units leading to tripping of Unit#3 & #4 at 400kV Suratgarh(RRVPNL). As per PMU, Y-N fault observed. In antecedent condition, Unit#3 & #4 generating 380MW, 315MVA 400/220kV ICT1 & ICT2 carrying 90MW each.	380		GD-1	
2	NR	1) 220kV Sarsawa(UP)-Saharanpur(PG) ckt-1 2) 220kV Sarsawa(UP)-Saharanpur(PG) ckt-2	Uttar Pradesh	UP & POWERGRID	2-Aug-18	01:00	2-Aug-18	16:20	15:20	Due to Bus bar protection operation at 220kV Sarsawa(UP), 220kV Sarsawa(UP)-Saharanpur(PG) ckt-1 & ckt-2 tripped. As per PMU, no fault observed during the reported time of Bus bar protection operation.			GI-1	
3	NR	1) 200 MVA ICT1 at 400/220kV Rosa(UP) 2) 200 MVA ICT2 at 400/220kV Rosa(UP)	Uttar Pradesh	UP	4-Aug-18	12:01	4-Aug-18	14:36	02:35	200 MVA ICT1 & ICT2 at 400/220kV Rosa(UP) tripped on DEF. In antecedent condition, both ICTs carrying 121MW each. As per PMU, Delayed clearance is observed with maximum dip in Y phase voltage. From Delayed clearance, it seems that there may be fault in downward 220kV network of 400/220kV Rosa(UP) which was not cleared within time. It may resulted into tripping of ICTs on back up earth fault protection.		105	GD-1	0.27
4	NR	1) 220kV Pampore(JK)-Wagoora(PG) ckt-1 2) 220kV Pampore(JK)-Wagoora(PG) ckt-2	Jammu & Kashmir	J&K and POWERGRID	4-Aug-18	20:33	4-Aug-18	21:31	00:58	220kV Pampore(JK)-Wagoora(PG) ckt-1 & 2 tripped on Y-N fault. In antecedent condition, 220kV Pampore(JK)-Wagoora(PG) ckt-1 & 2 carrying 190MW & 198MW respectively. As per PMU, Y-N fault with delayed clearance is observed.		400	GD-1	3.48
6	NR	1) 400kV Bareilly(PG)-Bareilly(UP) ckt-1 2) 400kV Bareilly(UP)-Unnao(UP) ckt-2 3) 315 MVA 400/220kV ICT 1 at Bareilly(UP) 4) 315 MVA 400/220kV ICT 3 at Bareilly(UP) 5) 400kV Bus 1 at 400/220kV Bareilly(UP)	Uttar Pradesh	UP & POWERGRID	5-Aug-18	09:20	5-Aug-18	10:50	01:30	Due to Bus bar protection operation at 400 kV Bus-1 of 400/220kV Bareilly(UP), 400kV Bareilly(PG)-Bareilly(UP) ckt-1, 400kV Bareilly(UP)-Unnao(UP) ckt-2, 315MVA ICT 1 & 3 at Bareilly(UP) tripped. Similar incident also occurred at 1141 Hrs resulting in tripping of above mentioned elements again. In antecedent condition, ICT #1 & #3 carrying 57MW & 55MW respectively. As per PMU, No fault observed in both the incident.			GI-2	
5	NR	1) 500 MVA 400/220kV ICT 4 at Akal(RRVPNL) Following 400kV elements alongwith all 220kV elements at 400/220kV Akal(RRVPNL) were manually handtripped: 1) 400 kV Bus 1 at 400/220kV Akal(RRVPNL) 2) 400 kV Bus 2 at 400/220kV Akal(RRVPNL) 3) 315 MVA 400/220kV ICT 1 at Akal(RRVPNL) 4) 315 MVA 400/220kV ICT 3 at Akal(RRVPNL) 5) 400kV Akal(RRVPNL)-Jodhpur(RRVPNL) 6) 400kV Akal(RRVPNL)-Barmer(RRVPNL)	Rajasthan	Rajasthan	5-Aug-18	16:00	5-Aug-18	19:54	03:54	500MVA 400/220kV ICT-IV at Akal(RRVPNL) caught fire resulting in tripping of ICT-IV due to operation of Differential Protection Relay. All other elements at 400/220kV Akal(RRVPNL) manually hand tripped for safety reasons. As per PMU, Fluctuations observed in all the phase voltages and delayed clearance of fault is observed. In antecedent condition, 400/220kV ICT-IV at Akal(RRVPNL) carrying 360 MW.	1145		GD-1	
7	NR	1) 200 MVA ICT1 at 400/220kV Rosa(UP) 2) 200 MVA ICT2 at 400/220kV Rosa(UP)	Uttar Pradesh	UP	6-Aug-18	10:10	6-Aug-18	15:10	05:00	200 MVA ICT1 & ICT2 at 400/220kV Rosa(UP) tripped at 1010Hrs. In antecedent condition, both ICTs carrying 125MW each. As per PMU, Delayed clearance is observed with maximum dip in Y phase voltage. From Delayed clearance, it seems that there may be fault in downward 220kV network of 400/220kV Rosa(UP) which was not cleared within time. It may resulted into tripping of ICTs on back up earth fault protection.		200	GD-1	1.00

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8	NR	1) 315 MVA 400/220 kV ICT 2 at Ludhiana(PG) 2) 400kV Ludhiana(PG)-Patiala(PG) ckt-2	Punjab	POWERGRID	7-Aug-18	23:56	8-Aug-18	00:48	00:52	LBB (Local Breaker Back up) protection operated due to fault in DC control cable leading to tripping of 400kV Ludhiana(PG)-Patiala(PG) ckt-2 & 315 MVA ICT 2 at Ludhiana(PG). As per PMU, no fault observed in the system.			GI-2	
9	NR	1. 400 kV Meerut-Koteshwar Pool ckt-2 2. 400 kV 250 MW Unit-1 at Tehri HEP	Uttar Pradesh	POWERGRID/ THDC	8-Aug-18	01:38	9-Aug-18	13:37	11:59	Power flow on 400 kV Meerut-Koteshwar Pool ckt-1 reached more than 1300MW after tripping of 400 kV Meerut-Koteshwar Pool ckt-2. As both the FSC was out of service, over loading of 400 kV Meerut-Koteshwar (Pool) ckt-1 resulted into widespread oscillation in the system. Planned SPS at Koteshwar (Pool) end also not operated. Finally Tehri unit-1 tripped after 21second on dead machine protection.	250		GD-1	
10	NR	1) 220kV Chhaur(MALN2)-Nalagarh(PG) 2) 220kV AD Hydro(ADHY)-Phojal(HP) 3) 220kV Chhaur(MALN2)-Phojal(HP)	Himachal Pradesh	ADHYDRO, HP & POWERGRID	12-Aug-18	23:34	13-Aug-18	00:51	01:17	220kV Chhaur(MALN2)-Nalagarh(PG) tripped on Y-N fault (Distance 14.3 km from Nalagarh(PG) end). At the same time, 220kV AD Hydro(ADHY)-Phojal(HP) & 220kV Chhaur(MALN2)-Phojal(HP) also tripped. As per PMU, Y-N fault observed with no auto-reclosing attempt.	25		GD-1	
11	NR	1) 400kV Baglihar(JK)-Kishenpur(PG) ckt-1 2) Unit#1 at 400kV Baglihar(JK) 3) Unit#2 at 400kV Baglihar(JK) 4) Unit#3 at 400kV Baglihar(JK)	Jammu & Kashmir	J & K and POWERGRID	13-Aug-18	17:07	14-Aug-18	21:45	04:38	400kV Baglihar(JK)-Kishenpur(PG) ckt-1 tripped on Y-B phase to phase fault, 37.8KM from Kishenpur(PG) end. Charging attempt made at 0136 hrs on 14.08.2018 but line did not hold due to SOTF operation. After tripping of line, all three running units of 400 kV Baglihar stage-1 also tripped due to evacuation constraints. As per PMU, Y-B fault observed.	450		GD-1	
12	NR	1) 315 MVA 400/220kV ICT 1 at Rewa Road(UP). 2) 315 MVA 400/220kV ICT 2 at Rewa Road(UP). 3) 220kV Allahabad(PG)-Allahabad(UP) ckt-1 4) 220kV Allahabad(PG)-Allahabad(UP) ckt-2 5) 220kV Allahabad(PG)-Naini Railway(Railway) ckt-1 6) 220kV Allahabad(PG)-Naini Railway(Railway) ckt-2 7) 220kV Allahabad-Allahabad Cantt	Uttar Pradesh	UP & POWERGRID	15-Aug-18	04:07	15-Aug-18	05:09	01:02	Bus bar protection operated at 220kV Rewa Road(UP) substation leading to blackout of the 220 kV side of 400/220 kV Rewa Road (UP) substation. At the same time, 315 MVA ICT 1 & 2 at 400kV Rewa Road(UP), also tripped. As per PMU, R-N fault followed by Y-N fault is observed.		200	GD-1	0.20
13	NR	1) 200 MVA 400/132 kV ICT 1 at Agra South(UP). 2) 200 MVA 400/132 kV ICT 2 at Agra South(UP). 3) 200 MVA 400/132 kV ICT 3 at Agra South(UP).	Uttar Pradesh	UP & POWERGRID	15-Aug-18	23:32	16-Aug-18	00:29	00:57	200MVA ICT 1,2 & 3 at 400kV Agra South(UP) tripped with a load loss of ~200MW, due to tripping of 132kV Agra-Agra Cantt line on B-N fault with a fault current 4.36kA. The ICT's tripped due to IDMT DIR O/C and E/F protection operated. As per PMU, B-N fault observed.		200	GD-1	0.19
14	NR	1) 400kV Baglihar(JK)-Kishenpur(PG) ckt-1 2) Unit#1 at 400kV Baglihar(JK) 3) Unit#2 at 400kV Baglihar(JK) 4) Unit#3 at 400kV Baglihar(JK)	Jammu & Kashmir	J & K and POWERGRID	16-Aug-18	04:50	16-Aug-18	23:41	18:51	400kV Baglihar(JK)-Kishenpur(PG) ckt-1 tripped on Y-N fault, 18Km from Kishenpur(PG) end; Conductor snapped between tower no-169 and 170. After tripping of line, all three running units of 400 kV Baglihar stage-1 also tripped due to evacuation constraints. As per PMU, Y-N fault observed.	450		GD-1	
15	NR	1) 800kV HVDC Champa-Kurukshetra ckt-1 2) 800kV HVDC Champa-Kurukshetra ckt-2	Haryana	POWERGRID	17-Aug-18	16:39	17-Aug-18	17:47	24:32	765kV Jhatikara(PG) – Bhiwani(PG) R-B fault triggered commutation failure in HVDC Champa-Kurukshetra Bipole and failure to inhibit the commutation failure by Champa(PG) end resulted in blocking of bipole; As per PMU, R-B fault observed.			GI-2	
16	NR	1) 400 kV Bus 1 at 400kV Orai(UP) 2) 400kV Mainpuri 765(UP)-Orai(UP) ckt-2	Uttar Pradesh	UP	18-Aug-18	01:45	18-Aug-18	04:08	02:23	400kV Mainpuri 765(UP)-Orai(UP) ckt-2 tripped on phase to phase fault. At the same time, 400 kV Bus 1 at 400kV Orai(UP) also tripped due to LBB operation. As per PMU, Y-N fault observed.			GI-2	

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17	NR	1) 400kV Anpara(UP)-Sarnath(UP) ckt-2 2) 400kV Anpara(UP)-Mau(UP)	Uttar Pradesh	UP	19-Aug-18	05:05	19-Aug-18	06:21	01:16	400kV Anpara(UP)-Sarnath(UP) ckt-2 & 400kV Anpara(UP)-Mau(UP) tripped on Y-N fault. In antecedent condition, 400kV Anpara(UP)-Sarnath(UP) ckt-2 & 400kV Anpara(UP)-Mau(UP) carrying 598 MW & 442 MW respectively. As per PMU, Y-N fault observed with no autoreclosing attempt.			GI-2	
18	NR	1) 400 kV Meerut-Koteshwar Pool ckt-1 2) 400 kV 250 MW Unit-1 at Tehri HEP	Uttar Pradesh	POWERGRID/ THDC	20-Aug-18	06:33	20-Aug-18	15:40	09:07	Power flow on 400 kV Meerut-Koteshwar Pool ckt-2 reached more than 1250MW after tripping of 400 kV Meerut-Koteshwar Pool ckt-1. In antecedent condition, 400 kV Meerut-Koteshwar Pool ckt-1 & 2 carrying 896MW & 454 MW respectively. As FSC of 400kV Meerut-Koteshwar ckt-2 was under outage, Over loading of 400 kV Meerut-Koteshwar (Pool) ckt-2 resulted into widespread oscillation in the system for around 51 sec. Finally Tehri unit-1 tripped after 16 second on dead machine protection.	250		GD-1	
19	NR	1) 220kV AD Hydro(ADHY)-Phojal(HP) 2) 220kV AD Hydro(ADHY)-Nalagarh(PG) 3) 220kV Chhaur(MALN2)-Phojal(HP)	Himachal Pradesh	ADHYDRO, HP & POWERGRID	21-Aug-18	16:42	25-Aug-18	21:51	101:09:00	220kV AD Hydro(ADHY)-Nalagarh(PG) & 220kV AD Hydro(ADHY)-Phojal(HP) tripped on R-N fault. After patrolling, it is found that a tree has been uprooted which caused tower bent at Loc No: 142. In antecedent condition, 220kV AD Hydro(ADHY)-Nalagarh(PG) & 220kV AD Hydro(ADHY)-Phojal(HP) carrying 141 MW & 22 MW respectively. As per PMU, R-Y fault followed by R-N fault is observed.	160		GD-1	
20	NR	1) 400kV Anpara(UP)-Sarnath(UP) ckt-2 2) 400kV Anpara(UP)-Mau(UP) 3) 400kV Sarnath(UP)-Varanasi(PG) ckt-2	Uttar Pradesh	UP & POWERGRID	24-Aug-18	14:29	24-Aug-18	16:16	01:47	400kV Anpara(UP)-Sarnath(UP) ckt-2 tripped due to Disc insulator string punctured at tower location no-113 R-Y fault. At the same time 400kV Anpara(UP)-Mau(UP) & 400kV Sarnath(UP)-Varanasi(PG) ckt-2 also tripped on R-Y fault. In antecedent condition, 400kV Anpara(UP)-Mau(UP), 400kV Anpara(UP)-Sarnath(UP) ckt-2 & 400kV Sarnath(UP)-Varanasi(PG) ckt-2 carrying 292 MW, 441 MW & 36MW respectively. As per PMU, R-Y fault is observed.			GI-2	
21	NR	1) 200 MVA ICT 1 at 400/132kV Mau(UP). 2) 200 MVA ICT 2 at 400/132kV Mau(UP).	Uttar Pradesh	UP	27-Aug-18	10:25	27-Aug-18	11:47	01:22	200 MVA ICT 1 & ICT 2 at 400/132kV Mau(UP) tripped due to operation of backup over current earth fault trip relay. As per PMU, Initially voltage dip observed in R phase and after 2040ms, voltage dip also observed in B-Y phase. Delayed clearance is observed. It seems ICTs tripped on back up protection during fault in downward 132 kV network at 400/132 kV Mau (UP)		127	GD-1	0.17
22	NR	1) 400 kV Rampur(NJPC)-Nalagarh(PG) ckt-2 2) Unit#5 at 400kV Nathpa-Jhakri(NJPC) 3) Unit#6 at 400kV Nathpa-Jhakri(NJPC) 4) Unit#1 at 400kV Rampur(NJPC) 5) Unit#2 at 400kV Rampur(NJPC) 6) Unit#2 at 400kV Karcham Wangtoo (NLNE mode) 7) Unit#4 at 400kV Karcham Wangtoo (NLNE mode)	Himachal Pradesh	NJPC, JSW & POWERGRID	29-Aug-18	04:02	29-Aug-18	05:11	01:09	Auto reclosure of 400 kV Rampur(NJPC)-Nalagarh(PG) ckt-1 & 2 occurred at 0402 hrs due to B-N Fault (92 kms from Rampur). 400 kV Rampur(NJPC)-Nalagarh(PG) circuit-1 was successfully auto reclosed at both ends. 400 kV Rampur(NJPC)-Nalagarh(PG) circuit-2 was auto reclosed successfully at Nalagarh(PG) but tripped at Rampur end. As reported by stations, due to the above incident, SPS operated at NJPC and Rampur causing tripping of 2 units each. Due to SPS operation at Karcham, units - 2 & 4 went into NLNE mode (No load Not Excited). As per PMU, B-N fault is observed.	1200		GD-1	
23	NR	1) 400kV Bus 2 at Bawana CCGT 2) 400kV Bahadurgarh(PG)-Bawana(GT) 3) STG1 at 400kV Bawana CCGT	Delhi	Delhi	29-Aug-18	15:28	29-Aug-18	20:02	04:34	Bus bar protection operated at Bawana CCGT leading to tripping of 400kV Bus 2 at Bawana CCGT & 400kV Bahadurgarh(PG)-Bawana(GT). STG1 also tripped with heavy jerk. In antecedent condition, 400kV Bahadurgarh-Bawana(GT) carrying 18 MW and STG 1 generating 178 MW. As per PMU, Voltage drop observed in all the three phases.	200		GD-1	
24	NR	1) 220kV Basti(UP)-Bansi(UP) 2) 220kV Basti(UP)-Tanda(NTPC) 3) 220kV Bansi (UP)-Gorakhpur(PG)	Uttar Pradesh	UP, NTPC & POWERGRID	29-Aug-18	23:46	30-Aug-18	00:26	00:40	220kV Basti(UP)-Bansi(UP) & 220kV Basti(UP)-Tanda(NTPC) tripped due to B-N fault & R-Y fault respectively. At the same time, 220kV Bansi (UP)-Gorakhpur(PG) also tripped on B-N fault. As per PMU, B-N fault observed. As per SCADA data, load loss of around 60MW is observed.		60	GD-1	0.04
25	NR	1) 220kV Bus 2 at Samaypur(BBMB) 2) 500 MVA ICT 1 at 400/220kV Ballabgarh(PG) 3) 220kV Samaypur(BBMB)-Palwal(HVPLN) Ckt-II 4) 220kV Samaypur(BBMB)- Badshapur(HVPLN) Ckt-I 5) 220kV Samaypur(BBMB)-Palli(HVPLN) Ckt-I	Haryana	BBMB, Haryana & POWERGRID	31-Aug-18	06:56	31-Aug-18	08:55	01:59	Bus bar protection of 220kV Bus 2 at Samaypur(BBMB) operated leading to tripping of 500 MVA ICT 1 at 400/220kV Ballabgarh(PG), 220kV Samaypur(BBMB)-Palwal(HVPLN) Ckt-II, 220kV Samaypur(BBMB)- Badshapur(HVPLN) Ckt-I & 220kV Samaypur(BBMB)-Palli(HVPLN) Ckt-I carrying 193 MW, 54 MW, 28 MW & 104 MW respectively. As per PMU, B-N fault is observed. As reported, transient bus fault in 220 kV side bay of 500MVA 400/220 kV ICT-1 at Samaypur (BBMB).			GI-2	
26	NR	1) Unit#7 at 220kV Panipat TPS(HVPLN) 2) Unit#8 at 220kV Panipat TPS(HVPLN)	Haryana	Haryana	31-Aug-18	11:22	31-Aug-18	12:50	01:28	Unit 7 & 8 of 220kV Panipat TPS(HVPLN) tripped due to electrical fault. In antecedent condition, Unit#7 & Unit#8 generating 192 MW & 60 MW respectively. As per PMU, Fluctuations observed in the phase voltages.	252		GD-1	

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27	NR	1) Unit#1 at 400kV Rihand(NTPC) 2) Unit#2 at 400kV Rihand(NTPC)	Uttar Pradesh	NTPC	31-Aug-18	18:27	31-Aug-18	20:59	02:32	Unit 1 & 2 (Make-NEI) of Rihand Stage-1 tripped due to tripping of GSW (General Service water Pump). In antecedent condition, Unit#1 & Unit#2 generating 480 MW & 285 MW respectively.As per PMU, No fault observed.	765		GD-1	

Western Region-Event Report for August 2018

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				Date	Time	Date	Time	Time					
1	WR	Tripping of 1.220kV Urse-Talegaon-1 2.220kV Urse-Chinchwad 3.220kV Urse-Talegaon-2 4.220kV Urse-Sahara	MSETCL	02-08-2018	04:25	02-08-2018	05:00	00:35	While charging 220 kV Talegaon-Urse - 2, bus fault occurred at 220kV Urse and all the elements tripped on bus bar protection operation.	Nil	218	GD-1	0.1272
2	WR	Tripping of 1. 220 kV Kosamba-Kim-1 2. 220 kV Kosamba-Jhagadia-1 3. 220 kV Kosamba-Icchapur 4. 220 kV Kosamba-GSEG-1 5. 400/220kV Kosamba ICT-1	GETCO	03-08-2018	08:07	03-08-2018	08:37	00:30	220 kV Kosamba Bus 1 tripped on Bus bar protection operation due to snapping of earth wire on Bus 1	Nil	Nil	GI-1	Nil
3	WR	Tripping of 1.400/220kV Amreli ICTs 1&2 2.400kV Amreli-Jetpur 1 3.400kV Amreli-Chorania S/C 4.400kV L/R of kasor-1 connected as B/R at Amreli 5.400 kV Bus coupler at Amreli	GETCO	03-08-2018	05:47	03-08-2018	07:09	01:22	At 400kV Amreli substation, Bus 2 Y phase insulator flashover occurred and resulted in tripping of all the elements connected to 400 kV Bus 2 on Bus bar protection operation.	Nil	Nil	GI-2	Nil
4	WR	Tripping of 1.765/400 kV Satna 1&2 2.765 kV 240 MVAR Gwalior 2 LR at Satna	PGCIL	05-08-2018	08:54	05-08-2018	10:09	01:15	At Satna s/s, 765 /400 kV ICTs 1&2 and 240 MVAR Gwalior 2 LR at satna tripped due to DC fluctuations in control ckts.	Nil	Nil	GI-2	Nil
5	WR	Tripping of 1.220 kV Gangapur-Valve line 2.220/132 kV 100 MVA Gangapur ICT 1 3.220 kV Gangapur Bus coupler	MSETCL	06-08-2018	15:35	06-08-2018	17:45	02:10	At 220kV Gangapur substation, jumper connecting CT and 220 kV main bus 2 broke, and resulted in tripping of all the elements connected to bus 2 on backup protection operation as bus bar protection was out of service.	Nil	Nil	GI-1	Nil
6	WR	Tripping of 1.400 kV Parli-Lonikhand D/C 2. 400 kV Lonikhand-Lonikhand(New) D/C 3. 400 kV Lonikhand-Koyna-IV-I 4. 400 kV Lonikhand-Karad 1 5. 400 kV Lonikhand-Jejuri 1 6. 400/220 kV Lonikhand ICTs 1,2&3 7. 400/220 kV Chakan ICTs 1&2 8. 400 kV Pune(PG)-Chakan 1 9. 400 kV Chakan-Lonikhand 1 10. 400 kV Pune - Lonikhand-S/C 11. all 220kV lines from Lonikhand-II	MSETCL	06-08-2018	13:06	06-08-2018	13:25	00:19	At 400kV Lonikhand s/s, while opening bus reactor isolator, arcing was observed in B phase and created bus fault. The lines connected to the station tripped from the remote end as the bus bar protection did not operate at 400kV Lonikhand.	Nil	992	GD-1	0.3141
7	WR	Tripping of 1.220 kV Siemens-RCP 2.220 kV Siemens-Kalwa 3.220 kV Mahape-TIFIL 4.220 kV Mahape-RCP 5.220 kV Kalwa-Colourchem	MSETCL	07-08-2018	10:10	07-08-2018	10:24	00:14	At 220kV Mahape s/s ,B-Y phase fault occurred on 220 kV Mahape-RCP near 220kV Mahape bus and bus bar protection operated. At the same time, B phase conductor of 220 kV Kalwa-Seimens snapped and the ckt tripped on distance protection operation.	Nil	Nil	GI-1	Nil

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8	WR	Tripping of 1.400 kV Champa-KSK 4 2.600 MW KSK Unit 2 3.600 MW KSK Unit 4 4.KSK Station transformer 1&2	PGCIL/KSK	07-08-2018	14:17	07-08-2018	15:49	01:32	Due to PLCC problem at Champa end DT was sent to KSK end and 400 kV Champa-KSK 4 tripped. KSK units 2&4 tripped on Torsional Stress Relay operation (TSR) and under frequency protection respectively.	880	Nil	GI-2	Nil
9	WR	Tripping of 1. 400 kV Mansar-Chorania 2.400/220 kV Mansar ICT 2 3.400 kV bus coupler 4.400 kV Mansar-Bachau 5.400 kV Mansar BR 6.400/220 kV Mansar ICT 1 7.220 kV Mansar-Halvad D/C 8.220 kV Mansar-Charadva 1 9.220/66 kV Mansar ICT 1	GETCO	09-08-2018	02:03	09-08-2018	19:11	17:08	At 400kV Mansar s/s, 400/220 kV 315 MVA ICT 2 R phase suspension insulator string of fivover bus flashed and resulted in tripping of all the elements connected to 400 kV Bus 2 at 02:03Hrs. At 02:13Hrs. R phase insulator string of bus 1 flashed and resulted in tripping of all the elements connected to 400 kV Bus 1. At 03:12Hrs. 220 kV Bus 1 bus bar protection operated at Mansar substation at and resulted in tripping of 220 kV Mansar-Charadva 1 anhd 220/66 kV Mansar ICT 1.	Nil	Nil	GI-2	Nil
10	WR	Tripping of 1.400 kV Chandrapur-Nanded 2 2.±500 kV HVDC Bhadrawathi Bi-pole.	MSETCL/PGCIL	09-08-2018	14:36	09-08-2018	16:05	01:29	400 kV Chandrapur-Nanded 2 LR at Chandrapur tripped due to blasting of B phase bushing and at the same time Bhadrawathi Bipole also tripped due to jerk in system.	Nil	Nil	GI-2	Nil
11	WR	Tripping of 1.400KV Varsana-Kansari 2.400KV Varsana-Bhachau ckt-2 3.400KV Varsana-APL ckt-2 4.400/220 kV Varsana ICT 2,3&4 5.400 kV Bus reactor-1 6.150 MW OPGS Unit 2	GETCO	09-08-2018	08:13	09-08-2018	10:13	02:00	At 400kV Varsana s/s, 400 kV Bus 1 bus bar protection operated and all the elements connected to 400 kV Bus 1 tripped .	145	Nil	GI-2	Nil
12	WR	Tripping of 1.220 kV Satana-Gangapur 2.220 kV Satana-Malegaon 3.220/132 kV Satana ICT 1&2	MSETCL	09-08-2018	20:25	09-08-2018	21:20	00:55	At 220kV Satana s/s, due to blasting of 220kV R-ph PT 220kV BB Protection operated, tripping all the 220kV elements.	Nil	Nil	GI-1	Nil
13	WR	Tripping of 1.400 kV Bhachau Bus 1 2.400 kV Bhachau-Varsana 2	GETCO	10-08-2018	14:11	10-08-2018	15:06	00:55	400 kV Bhachau Bus 1 tripped on Bus bar protection operation on R phase to Earth fault and at the same time 400 kV Bhachau-Varsana 2 also tripped.	Nil	Nil	GI-2	Nil

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 Unserviced (MU)
				Date	Time	Date	Time	Time					
14	WR	Tripping of 1.400/220kV Kosamba ICTs 1,2,3&4 2.220/66kV Kosamba ICTs 1&2 3.220kV Kosamba-Kim D/C 4.220kV Kosamba-Utran 5.220kV Kosamba-Vav 6.220kV Kosamba-GSEG-2 7.220kV Kosamba-Icchapur 8.220kV Kosamba-Gavasad 9.220kV Kosamba-Suva 10.220kV Kosamba-Jhagdia D/C	GETCO	12-08-2018	12:49	12-08-2018	13:54	01:05	At 400/220kV Kosamba s/s, Earth wire from 220kV Bus 1 gantry to Zagadia feeder gantry fell down on 220kV Bus 1&2 and resulted in tripping of all the 220 kV elements on Bus bar protection operation.	Nil	90	GI-1	0.135
15	WR	Tripping of 1.±800 kV HVDC Champa-Kurukshetra Pole 1 2.±800 kV HVDC Champa-Kurukshetra Pole 2	PGCIL	17-08-2018	16:39	17-08-2018	17:47	01:08	±800 kV HVDC Champa-Kurukshetra Bipole tripped due to commutation failure at Kurukshetra end.	Nil	Nil	GI-2	Nil
16	WR	Tripping of 1.220kV Mehgaon-Morena 2.220kV Mehgaon-Auraiya 3.220/132 kV Mehgaon ICTs 1&2	MPPTCL	18-08-2018	16:49	18-08-2018	17:21	00:32	At Mehgaon s/s, B phase CT of 220 kV Mehgaon-Morena blasted, resulting in tripping of all the 220 kV elements on bus bar protection operation.	Nil	120	GI-1	0.064
17	WR	Tripping of 1.400 kV Dehgam-Sami 2 2.400 kV Dehgam-Nicol 3.400 kV Dehgam-Wanakbori	PGCIL	25-08-2018	18:08	25-08-2018	19:26	01:18	At 400kV Dehgam, 400 kV Dehgam-Wanakbori and Dehgam-Sami 2 tripped due to the delayed clearance of B phase fault on 400 kV Dehgam-Nicol.	Nil	Nil	GI-2	Nil
18	WR	Tripping of 1.400 kV Boisar-Magarwada D/C 2.400 kV Boisar-Aurangabad D/C	PGCIL	25-08-2018	23:16	26-08-2018	00:44	01:28	At 400kV Boisar s/s, while opening Main CB of 400 kV Aurangabad-1, its Y-phase pole blasted and 400kV Boisar Bus-1 tripped on busbar protection.	Nil	Nil	GI-2	Nil
19	WR	Tripping of 1.400/220kV Amreli ICTs 1,2,3&4 2.400kV Amreli-Jetpur D/C 3.400kV Amreli-Chorania S/C 4.400kV 50MVAR Amreli B/R 5.400kV 125MVAR Amreli B/R 6.400kV L/R of kasor-1 connected as B/R at Amreli	GETCO	27-08-2018	00:34	27-08-2018	02:06	01:32	At Amreli s/s, 400 kV Bus 2 bus bar protection operated on R phase to Earth fault and simultaneously Bus 1 also tripped on Bus bar protection operation.	Nil	Nil	GI-2	Nil
20	WR	Tripping of 1.220 kV Haldarwa-GPEC 1 2.220 kV Haldarwa- Reliance D/C 3.220 kV Haldarwa-Gandhar D/C 4.220 kV Haldarwa-Kawas D/C 5.220 kV Haldarwa-Dahej 1	GETCO	28-08-2018	17:57	228-08-2018	18:11	00:14	At 220kV Haldarwa s/s, 220 kV Bus coupler B phase jumper snapped and created bus fault. 220 kV Bus 1 and 2 tripped on Bus bar protection operation.	Nil	120	GI-1	0.028

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.

Southern Region-Event Report for August 2018

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 Unserved (MU)
				Date	Time	Date	Time	Time					
1	SR	1. 220kV Varahi-Shimoga lines -1, 2 & 3 2. 220kV Varahi-Kemar (Mangalore) lines -1, 2 & 3 3. 4 no.s varahi generating station units	KPCL	24-Aug-18	11:00	24-Aug-18	11:26	26 mins	Complete Outage of 220kV Varahi Generating Station: Due to suspected mal operation of 220KV bus bar protection at Varahi, all the connected lines and Varahi running units got tripped.This resulted in the complete outage of 220kV Varahi Generating Station.	450 MW	----	GD-1	---
2	SR	1. 220KV Sharavathy Shimoga- 3 & 4 2. 220kV Sharavathy-Talaguppa-2 3. Generating unit# 4, 6, 7, 8 & 9	KPCL	4-Aug-18	09:15	4-Aug-18	10:42	1 hr 27 min	Multiple tripping at 220kV Sharavathy Generating Station: Triggering incidents are R-ph CT failure of unit no-8 and unit no-9 jumper from breaker to CT got cut. This resulted in the operation of bus bar protection of south west bus due to bus fault.	---	----	GI-1	---
3	SR	1. 400kV/220kV Veltoor ICT#3 and 4 2. 400kV Veltoor-Maheshwaram(PG)-1 3. 400kV Veltoor-Maheshwaram(PG)-2	TSTRANSCO	28-Aug-18	07:22	28-Aug-18	14:10	6 hr 48 min	Multiple tripping at 400kV Veltoor Station: LBB of 400kV Veltoor Uravakonda line-1 Main Breaker was initiated inadvertently during testing. This resulted in the tripping of all Main Breakers of Bus-1 (400kV Veltoor maheshwaram line-1 and 2, 400kV Veltoor N'Sagar, 400kV Veltoor UVKonda-2 and 400kV Veltoor Raichur) at 400kV Veltoor Manipalke Tie LBB of 400kV/220kV Veltoor ICT#3 and 4 also	---	---	GI-2	---
4	SR	1. 220kV Naghjeri Ambewadi line-1 2. Naghjeri Generating Units # 2, 3 and 6	KPCL	31-Aug-18	11:49	31-Aug-18	12:13	24 min	Multiple tripping at 220kV Naghjeri Generating Station: Triggering incident was B Ph-N fault in 220kV Naghjeri Ambewadi line#1. As per the information received, after the tripping of 220kV Naghjeri Ambewadi line#1, 220kV Naghjeri Ambewadi line#2 got overloaded. This resulted in the tripping of Naghjeri Generating Units #3 and 6 on SPS operation. At the same time, Unit #2 got tripped on REF operation.	---	---	GI-1	---

Eastern Region_ Grid Events for Aug-2018

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	220 kV STPS - Chandil S/C 220 kV Ramchandrapur Chandil S/C 220 kV Ranchi Chandil S/C	JUSNL	8-Aug-18	05:49	8-Aug-18	10:57	05:08	After 220 kV bus PT burst at Chandil, 220 kV STPS - Chandil S/C, 220 kV Ramchandrapur Chandil S/C and 220 kV Ranchi Chandil S/C were hand tripped leading to power interruption at Chandil	0	150	GD-I	0.7700
2	ERLDC	400 kV Binaguri - Rangpo - II 400 kV Teesta III - Dikchu S/C 400 kV Teesta III Rangpo S/C	ISTS	12-Aug-18	05:31	12-Aug-18	06:19	00:48	400 kV Binaguri-Rangpo-II tripped on B-N fault at 05:31 hrs resulting operation of SPS - I which tripped all units except one unit at Teesta III, one unit at Tashiding, Dikchu, Chujachen and Jorethang. Even after successful operation of SPS-I SPS - II operated at 05:52 hrs causing tripping of 400 kV Teesta III Rangpo S/C which led to black out of Teesta III and Dikchu generation complex	1020	0	GD-I	0.0000
3	ERLDC	220 kV Darbhanga - Motipur D/C	BSPTCL	15-Aug-18	13:00	15-Aug-18	14:03	01:03	220 kV Darbhanga - Motipur D/C tripped causing load loss at Sitamari, Dhaka and Siohar	0	103	GD-I	0.1082
4	ERLDC	220 kV Darbhanga - Darbhanga - I	BSPTCL	15-Aug-18	13:35	15-Aug-18	13:54	00:19	220 kV Darbhanga - Darbhanga - I tripped from Darbhanga end only causing load loss of 140 MW at Darbhanga, Madhubani, Pandual, Jainagar and Jaleswar.	0	98	GI-II	0.0310
5	ERLDC	400 kV Farakka - Kahalgaon I & II 400 kV Farakka - Sagardighi II	ISTS	19-Aug-18	15:26	19-Aug-18	16:51	01:25	400 kV Farakka - Kahalgaon I & II tripped from Farakka end only. At same time, 400 kV Farakka - Sagardighi II tripped from Sagardighi end. It is suspected there was a B-N fault in 400 kV Farakka Kahalgaon I & II and auto reclose was successful at Kahalgaon end. Sagardighi end sensed the same fault in Z-III and tripped from Sagardighi end. As per PMU data, fault was cleared within 100 ms. Tripping of 400 kV Farakka Sagardighi II from Sagardighi end may be explained.	0	0	GI-II	0.0000
6	ERLDC	400 kV MPL - Ranchi - II 400 kV MPL - Maithon D/C	ISTS	19-Aug-18	15:47	19-Aug-18	15:49	00:02	400 kV MPL - Ranchi - II tripped from MPL end only. At same time, 400 kV MPL - Maithon D/C tripped from Maithon end. It is suspected there was a Y-N fault in 400 kV MPL - Ranchi - II and auto reclose was successful at Ranchi end. Maithon end sensed the same fault in Z-III and tripped from Maithon end. As per PMU data, fault was cleared within 100 ms. Tripping of 400 kV MPL - Maithon D/C from Maithon end may be explained.	0	0	GI-II	0.0000
7	ERLDC	400/220 kV ICT I & II at Bolangir	ISTS	21-Aug-18	18:13	21-Aug-18	18:41	00:28	400 kV Bus - I at Bolangir S/S was under shutdown for connecting new bays of 125 MVAr B/R with existing bus through jumpering. At 18:13 hrs 400/220 kV both ICT I & II tripped on OTI, WTI & Bucholtz trip relay due to temporary DC Earth fault resulting loss of total power failure at 400 kV level as 400 kV lines were connected through main and tie bays of ICTs with bus II.	0	0	GI-II	0.0000
8	ERLDC	400/132 kV ICT I & II at Motihari	ISTS	22-Aug-18	14:59	22-Aug-18	15:30	00:31	At 15:00 hrs 400/132 kV ICT-II at Motihari tripped due to operation of OSR relay resulting tripping remaining ICT - I on overload current relay operation.	0	280	GI-II	0.1447
9	ERLDC	220 kV Joda - TTPS D/C 132 kV Jamshedpur - Chandil D/C 132 kV Purulia - CTPS D/C	OPTCL	31-Aug-18	13:57	31-Aug-18	14:05	00:08	220 kV Joda Ramchandrapur S/C and 220 kV Bokaro Jamshedpur were not in service. 220 kV Joda - TTPS D/C tripped on Y-B-N fault resulting increase in power flow through 220 kV Jamshedpur Jindal S/C. As a result 132 kV Jamshedpur - Chandil D/C and 132 kV Purulia - CTPS D/C tripped due to overload.	0	450	GD-I	0.0600

NER Grid Disturbances of Month August 2018

Sl. No.	Region	Name of Element	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Generation Loss in MU	Load Loss in MU	Category as per CEA Grid Standards
				Date	Time	Date	Time							
1	NER	132 kV Imphal (MSPCL) - Imphal (PG) 1 & 2 Lines	POWERGRID & MSPCL	01-Aug-18	14:33	01-Aug-18	14:44	00:11	Capital - Karong area of Manipur Power System were connected with rest of NER Grid through 132 kV Imphal(MSPCL)-Imphal(PG) 1 & 2 lines. 132 kV Kakching - Kongba line kept open to control overloading of 132 kV Loktak - Ningthoukhong line & 132 kV Karong - Kohima line kept open as 132 kV Dimapur(PG) - Kohima line gets overloaded in case of keeping this line in loop. At 14:33 Hrs on 01.08.2018, 132 kV Imphal(MSPCL) - Imphal(PG) 1 & 2 lines tripped. Due to tripping of these elements, Capital - Karong area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	34	0.000	0.012	GD-I
2	NER	132 kV Dimapur (PG) - Kohima Line	POWERGRID & DoP, Nagaland	03-Aug-18	16:42	03-Aug-18	17:00	00:18	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima, 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 16:42 Hrs on 03.08.2018, 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) 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.	0	21	0.000	0.006	GD-I
3	NER	132 kV Aizawl - Kumarghat Line, 132 kV Badarpur - Kolasib Line and 132 kV Aizawl - Tipaimukh Line	POWERGRID & MSPCL	04-Aug-18	14:32	04-Aug-18	15:02	00:30	Tural Power Station and Mizoram Power System were connected with rest of NER Grid through 132 kV Aizawl - Kumarghat line, 132 kV Aizawl - Tipaimukh line and 132 kV Badarpur - Kolasib line. At 14:32 Hrs on 04.08.2018, 132 kV Aizawl - Kumarghat line, 132 kV Aizawl - Tipaimukh line and 132 kV Badarpur - Kolasib line tripped. Due to tripping of these elements, Tural Power Station and Mizoram Power System were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	13	56	0.028	0.019	GD-I
4	NER	132 kV Loktak Ningthoukhong Line	MSPCL	05-Aug-18	03:06	05-Aug-18	03:22	00:16	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 and 132 kV Kakching - Kongba line kept open to control overloading of 132 kV Loktak - Ningthoukhong line). At 03:06 Hrs on 05.08.2018, 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	21	0.000	0.007	GD-I
5	NER	132 kV Dimapur (PG) - Kohima Line	POWERGRID & DoP, Nagaland	07-Aug-18	10:03:00	07-Aug-18	10:10:00	00:07	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima (due to Overloading of 132 kV Dimapur (PG) - Kohima Line), 132 kV Wokha - Kohima line was under outage since 12:30 Hrs on 31.07.2018 and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 10:03 Hrs on 07.08.2018, 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	21	23	0.002	0.003	GD-I
6	NER	132 kV Monarchak - Udaipur Line	TSECL	09-Aug-18	13:02:00	09-Aug-18	13:15:00	00:13:00	Monarchak Power Station and Rabindranagar area of Tripura Power System were connected with rest of NER Grid through 132 kV Monarchak -Udaipur line. 132 kV Monarchak -Rokhia line was under shutdown. At 13:02 Hrs on 09.08.2018, 132 kV Monarchak -Udaipur line tripped. Due to tripping of this element, Monarchak Power Station and Rabindranagar area were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	60	4	0.013	0.001	GD-I

Sl. No.	Region	Name of Element	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Generation Loss in MU	Load Loss in MU	Category as per CEA Grid Standards
				Date	Time	Date	Time							
7	NER	132 kV Aizawl - Tipaimukh Line, 132 kV Badarpur - Kolasib Line and 132 kV Aizawl - Kumarghat Line	POWERGRID & MSPCL	10-Aug-18	12:06:00	10-Aug-18	12:38:00	00:32	Turial Power Station and Mizoram Power System were connected with rest of NER Grid through 132 kV Aizawl - Kumarghat line, 132 kV Aizawl - Tipaimukh line and 132 kV Badarpur - Kolasib line. At 12:06 Hrs on 10.08.2018, 132 kV Aizawl - Kumarghat line, 132 kV Aizawl - Tipaimukh line and 132 kV Badarpur - Kolasib line tripped. Due to tripping of these elements, Turial Power Station and Mizoram Power System were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	18	70	0.010	0.037	GD-I
8	NER	132 kV Imphal (MSPCL) - Imphal (PG) 1 & 2 Lines	POWERGRID & MSPCL	11-Aug-18	03:35:00	11-Aug-18	05:24:00	01:49	Capital - Karong area of Manipur Power System were connected with rest of NER Grid through 132 kV Imphal(MSPCL)-Imphal(PG) 1 & 2 lines. 132 kV Kakching - Kongba line kept open to control overloading of 132 kV Loktak - Ningthoukhong line & 132 kV Karong-Kohima line kept open as 132 kV Dimapur(PG) - Kohima line gets overloaded in case of keeping this line in loop. At 03:35 Hrs on 11.08.2018, 132 kV Imphal(MSPCL) - Imphal(PG) 1 & 2 lines tripped. Due to tripping of these elements, Capital - Karong area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	33	0.000	0.071	GD-I
9	NER	132 kV Imphal (MSPCL) - Imphal (PG) 1 & 2 Lines	POWERGRID & MSPCL	11-Aug-18	12:52:00	11-Aug-18	12:59:00	00:07	Capital - Karong area of Manipur Power System were connected with rest of NER Grid through 132 kV Imphal(MSPCL)-Imphal(PG) 1 & 2 lines. 132 kV Kakching - Kongba line kept open to control overloading of 132 kV Loktak - Ningthoukhong line & 132 kV Karong - Kohima line kept open as 132 kV Dimapur(PG) - Kohima line gets overloaded in case of keeping this line in loop. At 12:52 Hrs on 11.08.2018, 132 kV Imphal(MSPCL) - Imphal(PG) 1 & 2 lines tripped. Due to tripping of these elements, Capital - Karong area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	15	0.000	0.002	GD-I
10	NER	132 kV Aizawl - Kumarghat Line, 132 kV Badarpur - Kolasib Line and 132 kV Aizawl - Tipaimukh Line	POWERGRID	12-Aug-18	16:15:00	12-Aug-18	16:42:00	00:27	Turial Power Station and Mizoram Power System were connected with rest of NER Grid through 132 kV Aizawl - Kumarghat line, 132 kV Aizawl - Tipaimukh line and 132 kV Badarpur - Kolasib line. At 16:15 Hrs on 12.08.2018, 132 kV Aizawl - Kumarghat line, 132 kV Aizawl - Tipaimukh line and 132 kV Badarpur - Kolasib line tripped. Due to tripping of these elements, Turial Power Station and Mizoram Power System were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	16	69	0.006	0.026	GD-I
11	NER	132 kV Aizawl - Melriat Line	POWERGRID	13-Aug-18	22:15:00	13-Aug-18	23:01	00:46	Zuangtui area of Mizoram Power System were connected with rest of NER Grid through 132 kV Aizawl - Melriat line. At 22:15 Hrs on 13.08.2018, 132 kV Aizawl - Melriat line tripped. Due to tripping of this element, Zuangtui area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	30	0.000	0.023	GD-I
12	NER	132 kV Balipara - Khupi Line	NEEPCO & DoP, AP	14-Aug-18	10:51:00	14-Aug-18	11:28:00	00:37	Khupi area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 10:51 Hrs on 14.08.2018, 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	16	0.000	0.012	GD-I
13	NER	132 kV Aizawl - Kumarghat Line and 132 kV Aizawl - Kolasib Line	POWERGRID	14-Aug-18	15:17:00	14-Aug-18	15:36:00	00:19	Mizoram Power System was connected with rest of NER Grid through 132 kV Aizawl - Kumarghat line and 132 kV Aizawl - Kolasib line. 132 kV Jiribam - Tipaimukh line was under continuous shutdown since 08:23 Hrs on 14.08.2018. At 15:17 Hrs on 14.08.2018, 132 kV Aizawl - Kumarghat line and 132 kV Aizawl - Kolasib line tripped. Due to tripping of these elements Mizoram Power System were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	13	35	0.004	0.011	GD-I

Sl. No.	Region	Name of Element	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Generation Loss in MU	Load Loss in MU	Category as per CEA Grid Standards
				Date	Time	Date	Time							
14	NER	132 kV Ambasa - P K Bari Line and 132 kV Jirania - Budhjangnagar Line	TSECL	14-Aug-18	20:16:00	14-Aug-18	20:23:00	00:07	Baramura Power Station, Ambassa, Gamatila and Jirania areas of Tripura Power System were connected with rest of NER Grid through 132 kV Ambasa - P K Bari Line and 132 kV Jirania - Budhjangnagar Line. 132 kV Ambasa - Kamalpur Line kept open at Kamalpur end. At 20:16 Hrs on 14.08.2018, 132 kV Ambasa - P K Bari Line and 132 kV Jirania - Budhjangnagar Line tripped. Due to tripping of these elements, Baramura Power Station, Ambassa, Gamatila and Jirania areas were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	83	55	0.009	0.006	GD-I
15	NER	132 kV Monarchak - Udaipur Line and 132 kV Agartala - Rokhia 1 & 2 Lines	TSECL	14-Aug-18	20:21:00	14-Aug-18	21:03:00	00:42	Monarchak Power Station, Rokhia Power Station and Rabindranagar areas of Tripura Power System were connected with rest of NER Grid through 132 kV Monarchak - Udaipur line, 132 kV Agartala - Rokhia 1 & 2 lines. 66 kV Rokhia - Badarghat line kept open for phase sequence issue. At 20:21 Hrs on 14.08.2018, 132 kV Monarchak - Udaipur line and 132 kV Agartala - Rokhia 1 & 2 lines tripped. Due to tripping of these elements, Monarchak Power Station, Rokhia Power Station and Rabindranagar areas were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	82	5	0.057	0.004	GD-I
16	NER	132 kV Balipara - Khupi Line	NEEPCO & DoP, AP	15-Aug-18	12:44:00	15-Aug-18	13:05:00	00:21	Khupi area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Balipara - Khupi line. At 12:44 Hrs on 15.08.2018, 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	18	0.000	0.010	GD-I
17	NER	132 kV Aizawl - Tipaimukh Line, 132 kV Aizawl - Kolasib line and 132 kV Aizawl - Kumarghat Line	POWERGRID & MSPCL	15-Aug-18	14:54:00	15-Aug-18	15:13:00	00:19	Tural Power Station and Mizoram Power System were connected with rest of NER Grid through 132 kV Aizawl - Kumarghat line, 132 kV Aizawl - Tipaimukh line and 132 kV Aizawl - Kolasib line. At 14:54 Hrs on 15.08.2018, 132 kV Aizawl - Kumarghat line, 132 kV Aizawl - Tipaimukh line and 132 kV Aizawl - Kolasib line tripped. 132 kV Tural - Kolasib line was hand tripped at 14:54 Hrs. Due to tripping of these elements, Tural Power Station and Mizoram Power System were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	16	46	0.005	0.015	GD-I
18	NER	132 kV Dimapur - Doyang 1 & 2 Lines and 132 kV Doyang - Mokochung (DoP, Nagaland) 1 Line	POWERGRID and DoP, Nagaland	16-Aug-18	04:44:00	16-Aug-18	05:11:00	00:27	Doyang Power Station and Sanis-Wokha area of Nagaland Power System were connected with rest of NER Grid through 132 kV Doyang - Mokochung (DoP, Nagaland) line and 132 kV Dimapur (PG) - Doyang 1 & 2 lines. 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link). At 04:44 Hrs on 16.08.2018, 132 kV Doyang-Mokochung (DoP, Nagaland) line and 132 kV Dimapur (PG) - Doyang 1 & 2 lines tripped. Due to tripping of these elements, Doyang Power Station and Sanis-Wokha area were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	72	2	0.032	0.001	GD-I
19	NER	220 kV Mariani (PG) - Mokochung (PG) 1 & 2 Lines	POWERGRID	17-Aug-18	04:49:00	17-Aug-18	05:59:00	01:10	Mokokchung (PG) Substation and Mokochung area of Nagaland Power System were connected with rest of NER Grid through 132 kV Mariani (PG) - Mokochung (PG) 1 & 2 lines. 132 kV Doyang-Mokochung (DoP, Nagaland) line was under outage since 04:47 Hrs on 17.08.2018, 132 kV Mariani (AS) - Mokochung (DoP, Nagaland) line is under long outage. At 04:49 Hrs on 17.08.2018, 132 kV Mariani (PG) - Mokochung (PG) 1 & 2 lines tripped. Due to tripping of these elements, Mokochung (PG) Substation and Mokochung area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	16	0.000	0.015	GD-I

Sl. No.	Region	Name of Element	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Generation Loss in MU	Load Loss in MU	Category as per CEA Grid Standards
				Date	Time	Date	Time							
20	NER	132 kV Agartala - Rokhia 1 & 2 Lines and 132 kV Monarchak - Rokhia Line	TSECL	18-Aug-18	00:04:00	18-Aug-18	00:19:00	00:15	Monarchak Power Station, Rokhia area, Udaipur area and Rabindranagar area of Tripura Power System were connected with rest of NER Grid through 132 kV Agartala - Rokhia 1 & 2 lines. 132 kV Udaipur-Palatana line was kept open at 17:56 Hrs on 17.08.18 for overloading of 132 kV Monarchak - Rokhia line, 66 kV Gakulnagar-Udaipur line, 66 kV Amarapur - Gumti line & 66 kV Rokhia -Badarghat line kept open due to phase sequence issue. At 00:04 Hrs on 18.08.2018, 132 kV Agartala - Rokhia 1 & 2 lines tripped. Due to tripping of these elements, Monarchak Power Station, Rokhia area, Udaipur area and Rabindranagar area were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	140	53	0.035	0.013	GD-I
21	NER	132 kV Dimapur (PG) - Kohima Line	POWERGRID & DoP, Nagaland	18-Aug-18	05:15:00	18-Aug-18	05:37:00	00:22	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima (due to overloading of 132 kV Dimapur (PG) - Kohima Line), 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 05:15 Hrs on 18.08.2018, 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	1	12	0.001	0.004	GD-I
22	NER	132 kV Dimapur (PG) - Kohima Line	POWERGRID & DoP, Nagaland	19-Aug-18	11:42:00	19-Aug-18	12:01:00	00:19	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima (due to Overloading of 132 kV Dimapur (PG) - Kohima Line), 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 11:42 Hrs on 19.08.2018, 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	22	24	0.007	0.008	GD-I
23	NER	132 kV Dimapur - Doyang 1 and 2 Lines and 132 kV Doyang - Mokokchung (DoP, Nagaland) Line	POWERGRID & DoP, Nagaland	19-Aug-18	14:36:00	19-Aug-18	14:57:00	00:21	Doyang Power Station and Sanis - Wokha area of Nagaland Power System were connected with rest of NER Grid through 132 kV Doyang-Mokokchung (DoP, Nagaland) line and 132 kV Dimapur - Doyang 1 & 2 lines. At 14:36 Hrs on 19.08.2018, 132 kV Doyang-Mokokchung (DoP, Nagaland) line and 132 kV Dimapur - Doyang 1 & 2 lines tripped. Due to tripping of these elements, Doyang Power Station and Sanis - Wokha area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	72	5	0.025	0.002	GD-I
24	NER	132 kV Dimapur (PG) - Kohima Line	POWERGRID & DoP, Nagaland	19-Aug-18	15:43:00	19-Aug-18	16:00:00	00:17	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima (due to Overloading of 132 kV Dimapur (PG) - Kohima Line), 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 15:43 Hrs on 19.08.2018, 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	22	25	0.006	0.007	GD-I
25	NER	132 kV Imphal (MSPCL) - Imphal (PG) 1 & 2 Lines	POWERGRID & MSPCL	20-Aug-2018	09:11:00	20-Aug-2018	09:21:00	00:10	Capital - Karong area of Manipur Power System were connected with rest of NER Grid through 132 kV Imphal(MSPCL)-Imphal(PG) 1 & 2 lines. 132 kV Kakching - Kongba line kept open to control overloading of 132 kV Loktak - Ningthoukhong line; 132 kV Karong-Kohima line kept open as 132 kV Dimapur(PG) - Kohima line gets overloaded in case of keeping this line in loop. At 09:11 Hrs on 20.08.2018, 132 kV Imphal(MSPCL) - Imphal(PG) 1 & 2 lines tripped. Due to tripping of these elements, Capital - Karong area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	43	0.000	0.015	GD-I

Sl. No.	Region	Name of Element	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Generation Loss in MU	Load Loss in MU	Category as per CEA Grid Standards
				Date	Time	Date	Time							
26	NER	132 kV Dimapur (PG) - Kohima Line	POWERGRID & DoP, Nagaland	20-Aug-2018	09:35:00	20-Aug-2018	10:00	00:25	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima, 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 09:35 Hrs on 20.08.2018, 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) 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.	23	25	0.009	0.010	GD-I
27	NER	132 kV Loktak - Ningthoukhong Line	MSPCL	20-Aug-2018	17:21:00	20-Aug-2018	18:04:00	00:43	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 and 132 kV Kakching - Kongba line kept open to control overloading of 132 kV Loktak - Ningthoukhong line). At 17:21 Hrs on 20.08.2018, 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	45	0.000	0.043	GD-I
28	NER	132 kV Loktak - Ningthoukhong Line	MSPCL	21-Aug-2018	16:41:00	21-Aug-2018	17:31:00	00:50	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 and 132 kV Kakching - Kongba line kept open to control overloading of 132 kV Loktak - Ningthoukhong line). At 16:41 Hrs on 21.08.2018, 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	22	0.000	0.018	GD-I
29	NER	132 kV Lekhi - Nirjuli Line	DoP, AP & POWERGRID	24-Aug-2018	09:07:00	24-Aug-2018	09:23:00	00:16	Nirjuli area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Lekhi - Nirjuli line. 132 kV Gohpur - Nirjuli line was kept opened. At 09:07 Hrs on 24.08.2018, 132 kV Lekhi - Nirjuli line tripped. Due to tripping of this element, Nirjuli area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	35	0.000	0.009	GD-I
30	NER	132 kV Daporijo - Ziro Line	DoP, Arunachal Pradesh	25-Aug-2018	01:49:00	25-Aug-2018	02:00:00	00:11	Daporijo area (Daporijo, Along, Pasighat, Roing, Tezu and Namsai Substations) of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Ziro - Daporijo line. At 01:49 Hrs on 25.08.2018, 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	15	0.000	0.003	GD-I
31	NER	132 kV Ranganadi - Ziro Line	POWERGRID	25-Aug-2018	00:59:00	25-Aug-2018	01:14:00	00:15	Ziro area (Ziro, Daporijo, Along, Pasighat, Roing, Tezu and Namsai Substations) of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Ranganadi - Ziro line. At 00:59 Hrs on 25.08.2018, 132 kV Ranganadi - Ziro line tripped. Due to tripping of this element, Ziro area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	22	0.000	0.037	GD-I
32	NER	132 kV Lumshnong - Panchgram Line, 132 kV Badarpur - Panchgram Line and 132 kV Hailakandi - Panchgram line	POWERGRID, AEGCL & MePTCL	25-Aug-2018	09:51:00	25-Aug-2018	10:02:00	00:11	Panchgram area of Assam Power System was connected with rest of NER Grid through 132 kV Badarpur - Panchgram line, 132 kV Lumshnong - Panchgram line and 132 kV Hailakandi - Panchgram line. 132 kV Srikona-Panchgram line kept idle charged due to Tower collapsed. At 09:51 Hr on 25.08.2018, 132 kV Badarpur - Panchgram line, 132 kV Lumshnong - Panchgram line and 132 kV Hailakandi - Panchgram line tripped. Due to tripping of these elements, Panchgram area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	30	0.000	0.006	GD-I

Sl. No.	Region	Name of Element	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Generation Loss in MU	Load Loss in MU	Category as per CEA Grid Standards
				Date	Time	Date	Time							
33	NER	132 kV Melriat - Zungtui Line	POWERGRID	25-Aug-2018	17:44:00	25-Aug-2018	18:06:00	00:22	Zuangtui area of Mizoram Power System was connected with rest of NER Grid through 132 kV Melriat - Zuangtui line. At 17:44 Hrs on 25.08.2018, 132 kV Melriat - Zuangtui line tripped. Due to tripping of this element, Zuangtui area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	29	0.000	0.011	GD-I
34	NER	132 kV Balipara - Khupi Line	NEEPCO & DoP, AP	26-Aug-2018	13:09:00	26-Aug-2018	13:51:00	00:42	Khupi area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 13:09 Hrs on 26.08.2018, 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	23	0.000	0.016	GD-I
35	NER	132 kV Ranganadi - Ziro Line	POWERGRID	29-Aug-18	03:22:00	29-Aug-18	03:43:00	00:21	Ziro area (Ziro, Daporijo, Along, Pasighat, Roing, Tezu and Namsai) of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Ranganadi - Ziro Line. At 03:22 Hrs on 29.08.2018, 132 kV Ranganadi - Ziro Line tripped. Due to tripping of this element, Ziro area of Arunachal Pradesh power system was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	18	0.000	0.006	GD-I
36	NER	400 kV BNC- Ranganadi 1 & 2 Lines	POWERGRID	29-Aug-18	09:22:00	29-Aug-18	10:16:00	00:54	Ranganadi Power Station, Pare Power Station and Arunachal Pradesh Power System (except Khupi & Deomali areas) were connected with rest of NER Grid through 400 kV BNC - Ranganadi 1 & 2 Lines. 132 kV Gohpur- Nirjuli line was kept opened to control over-loading of 132 kV Nirjuli - Lekhi line. At 09:22 Hrs on 29.08.2018, 400 kV BNC - Ranganadi 1 & 2 Lines tripped. Due to tripping of these elements, Ranganadi Power Station, Pare Power Station and Arunachal Pradesh Power System (except Khupi & Deomali areas) were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	175	55	0.158	0.049	GD-I
37	NER	132 kV Dimapur (PG) - Kohima Line	POWERGRID & DoP, Nagaland	31-Aug-18	09:29:00	31-Aug-18	09:40:00	00:11	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima (due to Overloading of 132 kV Dimapur (PG) - Kohima Line), 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 09:29 Hrs on 31.08.2018, 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	18	21	0.003	0.004	GD-I
38	NER	132 kV Dimapur (PG) - Kohima Line	POWERGRID & DoP, Nagaland	31-Aug-18	09:46:00	31-Aug-18	09:58:00	00:12	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima (due to Overloading of 132 kV Dimapur (PG) - Kohima Line), 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 09:46 Hrs on 31.08.2018, 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) 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.	0	15	0.000	0.003	GD-I

NER Grid Incidents of Month August 2018

S.No	Region	State(s) Involved	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event (Brief Details)	Generation Loss (MW)	Energy Unserviced (MU)	Category as per CEA Grid Standards
					Date	Time	Date	Time					
1	NER	AGTCCPP	AGTCCPP STG-1	NEEPCO	18-Aug-18	09:10:00	18-Aug-18	09:45:00	00:35:00	AGTCCPP Stg 2 tripped at 09:10 Hrs on 18.08.2018 due to Control oil pressure low. (Revision of schedule from Block No.40 on 18.08.2018).	9	0.005	GI-I
2	NER	Khandong	Khandong Unit 2	NEEPCO	21-Aug-2018	10:26:00	21-Aug-2018	11:45:00	01:19:00	Khandong Unit 2 tripped at 10:26 Hrs on 21.08.2018 due to Governor problem. (Revision of schedule from Block No.48 on 21.08.2018).	24	0.032	GI-I
3	NER	Khandong	Khandong Unit 1	NEEPCO	22-Aug-2018	22:01:00	23-Aug-18	00:30:00	02:29:00	Khandong Unit 1 tripped at 22:01 Hrs on 22.08.2018 due to Over Current. (Revision of schedule from Block No.03 on 23.08.2018).	21	0.052	GI-I
4	NER	Khandong	Khandong Unit 2	NEEPCO	22-Aug-2018	22:17:00	23-Aug-18	00:30:00	02:13:00	Khandong Unit 2 tripped at 22:17 Hrs on 22.08.2018 due to Over frequency. (Revision of schedule from Block No.03 on 23.08.2018).	24	0.053	GI-I
5	NER	AGBPP	AGBPP Unit 3	NEEPCO	24-Aug-2018	14:55:00	24-Aug-2018	16:00:00	01:05:00	AGBPP Unit 3 tripped at 14:55 Hrs on 24.08.2018 due to bearing vibration. (Revision of schedule from Block No.65 on 24.08.2018).	24	0.026	GI-II
6	NER	AGBPP	AGBPP Unit 4	NEEPCO	26-Aug-2018	17:06:00	26-Aug-2018	18:00:00	00:54:00	AGBPP Unit 4 tripped at 17:06 Hrs on 26.08.2018 due to control signal failure. (Revision of schedule from Block No.73 on 26.08.2018).	26	0.023	GI-II
7	NER	Khandong	Khandong Unit 2	NEEPCO	27-Aug-2018	10:15:00	27-Aug-2018	11:30:00	01:15:00	Khandong Unit 2 tripped at 10:15 Hrs on 27.08.2018 due to Over frequency. (Revision of schedule from Block No.47 on 27.08.2018).	20	0.025	GI-I