

Major Grid Events for April, 2017_ALL INDIA

S.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 (in MU)
				Date	Time	Date	Time	Time					
1	NR	1. 400kV Kota-Merta-2 2. 400kV Jodhpur-Kankroli-1 3. 400kV Jodhpur-Rajwest-1 4. 400kV Jodhpur-Rajwest-2 4. 400kV Barmer-Rajwest-1 5. 400kV Akal-Jodhpur-2 6. 400kV Akal-Barmer-1 7. 400kV Jodhpur-Merta-1	Rajasthan/POWERGRID	01-Apr-17	05:01	01-Apr-17	05:30	00:29	Multiple lines in Rajasthan tripped on over voltage. 400kV Jodhpur-Merta-1 tripped on phase to earth fault.	Nil	300	GD1	0.01
2	NR	1. 220 KV Samaypur –Palwal ckt -1 2. 220 KV Samaypur –Palwal ckt -2	BBMB	02-Apr-17	01:43	02-Apr-17	04:00	02:17	R-Phase CT of 220 KV Samaypur –Palwal ckt -1 damaged at Palwal End.	Nil	Nil	GI1	Nil
3	NR	1. 400/220kV ICT 2 at Daulatabad 2. 400/220kV ICT 3 at Daulatabad	Haryana	03-Apr-17	16:15	03-Apr-17	18:40	02:25	315MVA 400/220kV ICT 2 & 3 at Daulatabad(HVPLN) tripped.	Nil	Nil	GI2	Nil
4	NR	1. 400kV Jhakri-Rampur-2 2. 400kV Nallagarh-Rampur-2 3. Unit #6 at Rampur	SJVNL	06-Apr-17	02:07	06-Apr-17	13:10	11:03	Flashover occurred in R-phase isolator compartment of 400kV Jhakri-Rampur-2 at Rampur resulting in bus bar protection operation of 400kV Bus-2 at	70	Nil	GD1	Nil
5	NR	1. 400kV Panki-Aligarh 2. 400kV Panki-Kanpur-2 3. 400kV Panki-Rewa Road 4. 400kV Bus reactor at Panki	UP/POWER GRID	06-Apr-17	16:30	06-Apr-17	17:53	01:23	Bus fault occurred at Bus-B of 400kV Panki(UP) station resulted in tripping of all the elements connected to that bus.	Nil	Nil	GI2	Nil
6	NR	1. 400kV Alaknanda-Srinagar 1 2. 400kV Alaknanda-Srinagar 2	Alaknanda/Uttarakhand / Uttar	10-Apr-17	10:40	10-Apr-17	14:23	03:43	400kV Alaknanda-Srinagar 1 & 2 tripped at 05:36hrs and 10:40hrs.	Nil	Nil	GI2	Nil
7	NR	1. 400kV Azamgarh-Gorakhpur 2. 400kV Azamgarh-Sultanpur 3. 400/220kV 315MVA ICT 2 at Gorakhpur(UP)	UP	11-Apr-17	23:57	12-Apr-17	12:53	12:56	Fault occurred in 400kV Azamgarh-Gorakhpur line. The aforesaid element tripped along with 400kV Azamgarh-Sultanpur and 400/220kV 315MVA ICT 2 at Gorakhpur(UP).	Nil	Nil	GI2	Nil

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8	NR	1. 400/220kV 315MVA ICT 1 at Kirori 2. 400/220kV 315MVA ICT 2 at Kirori	Haryana	11-Apr-17	13:17	11-Apr-17	19:32	06:15	At 400kV Kirori station, 400/220kV 315MVA ICT 1 & 2 tripped.	Nil	Nil	GI2	Nil
9		1. 400kV Agra-Sikar ckt-1 2. 400kV Agra-Sikar ckt-2 3. 400kV Agra-Ballabgarh 4. 400kV Agra-Bhiwadi ckt-1 5. 400kV Agra-Bassi ckt 6. 400kV Agra-Jaipur South ckt-2 7. 400kV Agra-Kanpur ckt 8. 400kV Agra-Fatehabad ckt 9. 400kV Agra-Agra (UP) ckt 10. 765kV Agra-Gwalior-1 11. 765kV Agra-Gwalior-2 12. 765kV Agra-Fatehpur ckt-1 13. 765kV Agra-Jhatikara ckt 14. 765 Agra-Greater Noida	POWERGRID /UP	12-Apr-17	05:51	12-Apr-17	07:02	01:11	At 03:00hrs 400kV Agra-Sikar ckt-1 opened on voltage regulation, As reported, R-pole of CB at Agra end got stuck and didn't open. At 05:51hrs, operator observed sparking at isolator while opening the isolator of same pole, bus-fault occurred. All the lines tripped from remote end.	Nil	700	GD1	0.7
10	NR	1. 400kV Nakodar Kurukshetra 2. 400kV Jalandhar-Moga-1	POWERGRID /Punjab	13-Apr-17	04:06	13-Apr-17	04:13	00:07	Phase to earth fault occurred. 400kV Nakodar Kurukshetra and 400kV Jalandhar-Moga-1 tripped.	NIL	Nil	GI2	Nil
11	NR	1. 220kV Wagoora-Zainakote-1 2. 220kV Wagoora-Zainakote-2	J&K/POWER GRID	14-Apr-17	18:02	14-Apr-17	18:49	00:47	R-N fault occurred in 220kV Wagoora-Zainakote D/C resulting in tripping of both the lines affecting supply	NIL	320	GD1	0.32
12	NR	1. 400kV Kanpur(PG)-Panki(UP)-2 2. 400kV Allahabad Rewa Road(400kV) - Panki(UP) 3. 400kV Aligarh-Panki	UP/POWER GRID	15-Apr-17	10:41	15-Apr-17	13:55	03:14	Multiple lines emanating from 400kV Panki(UP) tripped.	NIL	Nil	GI2	Nil
13	NR	1. 400kV Agra(UP)-Unnao(UP) 2. 400kV Agra(PG)-Agra(UP)-1	UP/POWER GRID	15-Apr-17	12:23	15-Apr-17	13:03	00:40	400kV Agra(UP)-Unnao(UP) and 400kV Agra(PG)-Agra(UP)-1 tripped.	NIL	Nil	GI2	Nil
14	NR	1. 220kV Panipat(BBMB)-Narela(DTL)- 1 2. 220kV Panipat(BBMB)-Narela(DTL)- 2 3. 220kV Narela(DTL)- Rohtakroad(BBMB)-1 4. 220kV Narela(DTL)- Rohtakroad(BBMB)-2	Delhi/BBMB	15-Apr-17	17:23	15-Apr-17	18:10	00:47	CT Blasted at Panipat(BBMB) yard lead to tripping of 220kV Panipat-Narela ckt 1 & 2 and 220kV Narela(DTL)-Rohtakroad(BBMB) ckt 1&2.	Nil	150	GD1	0.0075

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				Date	Time	Date	Time	Time					
15	NR	1. 765/400kV 1000MVA ICT-1 at Unnao 2. 765/400kV 1000MVA ICT-2 at Unnao	UP	17-Apr-17	13:00	17-Apr-17	14:26	01:26	While changing of AC auxiliary supply, both 765/400kV 1000MVA ICT-1 & 2 at Unnao tripped.	NIL	Nil	G12	Nil
16	NR	1. 400/220kV ICT-1 at Muradnagar-New(UP) 2. 400/220kV ICT-2 at Muradnagar-New(UP) 3. 220kV Muradnagar-New - Loni-2	UP	18-Apr-17	09:27	18-Apr-17	10:55	01:28	While charging 220kV Loni-2 line, both ICTs at Muradnagar-New tripped on overload and earth fault.	Nil	113	GD-1	0.12
17	NR	1. 400kV Agra(UP)-Unnao(UP) 2. 400kV Agra(UP)-Fatehabad(UP)-1 3. 400kV Agra(UP)-Fatehabad(UP)-2	UP	18-Apr-17	14:26	18-Apr-17	15:18	00:52	Y-N fault occurred. Multiple lines emanating from Agra(UP) tripped.	NIL	Nil	G12	Nil
18	NR	1. 220kV G.Noida-Noida(62)-2 2. 220kV G.Noida-Noida(129)-2 3. 220kV G.Noida-RC Green 4. 400/220kV 315MVA ICT-2 5. 400/220kV 500MVA ICT-3 6. 220/132kV 160MVA ICT-2	UP	18-Apr-17	15:11	18-Apr-17	15:51	00:40	At 400kV G.Noida(UP) station, Bus bar protection operated for 220kV Bus-A resulting in tripping of elements connected to this bus. During checking, inherent problem with PSL of CSC-211 protection relay mounted of ICT and 220kV lines was found.	NIL	488	GD1	0.25
19	NR	1. 220kV G.Noida-Noida(62)-2 2. 220kV G.Noida-Noida(129)-2 3. 220kV G.Noida-RC Green 4. 400/220kV 315MVA ICT-2 5. 400/220kV 500MVA ICT-3 6. 220/132kV 160MVA ICT-2	UP	19-Apr-17	14:32	19-Apr-17	15:30	00:58	At 400kV G.Noida(UP) station, Bus bar protection operated for 220kV Bus-A resulting in tripping of elements connected to this bus. During checking, inherent problem with PSL of CSC-211 protection relay mounted of ICT and 220kV lines was found.	NIL	492	GD1	0.30
20	NR	1. 220kV Jassor(HP)-Pong 2. 220kV Dasuya-Pong-2	BBMB/HP/P unjab	19-Apr-17	03:12	19-Apr-17	04:28	01:16	B-phase CT of 220kV bus-2 at Pong HEP blasted resulting in tripping of multiple elements.	NIL	Nil	G11	Nil
21	NR	1. 400kV Agra(UP)-Unnao(UP) 2. 400kV Agra(UP)-Fatehabad(UP)-1 3. 400/220kV ICT-1 at Agra(UP)	UP	20-Apr-17	12:25	20-Apr-17	13:29	01:04	Multiple elements at 400kV Agra(UP) tripped.	Nil	300	GD1	0.3
22	NR	1. 400kV Panki-Kanpur-2 2. 400kV Panki-Rewa Road	UP	20-Apr-17	21:25	20-Apr-17	23:35	02:10	Multiple elements at 400kV Panki(UP) tripped during charging of 400kV Aligarh-Panki.	NIL	Nil	G12	Nil
23	NR	1. 400kV Dehar-Rajpura 2. 400kV Dehar-Panchkula 3. 220kV Dehar-Kangoo 4. 220kV Unit #5 at Dehar	BBMB	21-Apr-17	00:28	21-Apr-17	01:58	01:30	B-phase CVT blasted at Unit #5 of 400kV Dehar HEP station lead to complete station outage.	400	Nil	GD1	Nil
24	NR	1. 220kV Safidon-Jind-1 2. 220kV Safidon-Jind-2 3. 220kV Safidon-Mund-1 4. 220kV Safidon-Mund-2 5. 220kV Safidon-Bastra 6. 220kV Safidon-PTPS-1 7. 220kV Safidon-PTPS-2 8. 220kV Safidon-PTPS-3	Haryana	21-Apr-17	12:46				Complete outage of 220kV Safidon(HVPNL) occurred.	NIL	Nil	G12	Nil
25	NR	1. 400kV Koldam(NTPC)-Ludhiana(PG)-1 2. 400kV Koldam(NTPC)-Ludhiana(PG)-2	NTPC/ POWERGRID	22-Apr-17	12:06	22-Apr-17	12:57	00:51	400kV Koldam-Ludhiana ckt-1 tripped on Blue-phase to earth fault and ckt-2 tripped on Y-phase to earth fault respectively.	NIL	Nil	G12	Nil

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26	NR	1. 220kV Lucknow(UP)-Raebareilly(PG) 2. 220kV Lucknow(UP)-Gomti Nagar 3. 220kV Lucknow(UP)-Unnao-1 4. 220kV Lucknow(UP)-Unnao-2 5. 220kV Lucknow(UP)-Hardoi 6. 400/220kV 315MVA ICT-1 at Lucknow(UP) 7. 400/220kV 315MVA ICT-2 at Lucknow(UP) 8. 220/132kV 200MVA ICT-1 at Lucknow(UP) 9. 220/132kV 160MVA ICT-2 at Lucknow(UP) 10. 220/132kV 200MVA ICT-3 at Lucknow(UP)	UP	25-Apr-17	02:05	25-Apr-17	02:40	00:35	220kV Bus-B was out. B-N fault occurred at 220kV Lucknow(UP)-Raebareilly(PG). Due to non-opening of CB at Lucknow(UP), LBB protection operated and all elements at Bus-A tripped.	Nil	530	GD1	0.53
27	NR	1. 220kV Dasuya-Pong-1 2. 220kV Dasuya-Pong-2 3. 220kV Dasuya-Jalandhar(BBMB)-1 4. 220kV Dasuya-Jalandhar(BBMB)-2 5. 220kV Dasuya-Jalandhar(PG)-1 6. 220kV Dasuya-Jalandhar(PG)-2 7. 220kV Dasuya-Sarna-1 8. 220kV Dasuya-Sarna-2	Punjab/BBMB/POWERGRID	28-Apr-17	13:07				R-phase Coupling capacitor of 220kV Pong ckt-2 damaged at Dasuya. All lines tripped at 220kV Dasuya(PSTCL) resulting in complete outage of the station.	NIL	Nil	G12	Nil
28	NR	1. 400kV Aligarh-Muradnagar 2. 400kV Aligarh-Panki 3. 400kV Aligarh-Mainpuri	UP/POWER GRID	28-Apr-17	16:57	28-Apr-17	18:08	01:11	B-N fault in 400kV Aligarh-Muradnagar resulting in tripping of line. 400kV Aligarh-Panki and 400kV Aligarh-Mainpuri tripped on overvoltage.	Nil	148	GD1	0.18
29	NR	1. 400kV Muzaffarnagar-Roorkee 2. 400kV Meerut-Muzaffarnagar	UP/POWER GRID	29-Apr-17	10:43	29-Apr-17	11:08	00:25	400kV Muzaffarnagar-Roorkee and 400kV Meerut-Muzaffarnagar line tripped during Y-N fault in	NIL	Nil	G12	Nil
30	NR	1. 765kV Fatehabad-Lalitpur ckt-1 2. 765kV Fatehabad-Lalitpur ckt-2 3. 765/400kV 1500MVA ICT-1 at Fatehabad 4. 240MVA Fatehabad Bus Reactor 5. 400kV Fatehabad-Mathura	UP	29-Apr-17	15:55	29-Apr-17	16:38	00:43	765kV Fatehabad-Lalitpur ckt-1 & 2, 765/400kV 1500MVA ICT-1 at Fatehabad, 240MVA Fatehabad Bus Reactor and 400kV Fatehabad-Mathura line tripped.	640	90	GD1	0.064
31	NR	1. 400kV Dhuri-Rajpura(PSTCL) ckt-2 2. 500MVA ICT-4 at Rajpura (PSTCL)	Punjab	30-Apr-17	01:33	30-Apr-17	03:45	02:12	R-phase to earth fault in 400kV Dhuri-Rajpura(PSTCL) ckt-2 resulting in tripping of line. 500MVA ICT-4 at Rajpura (PSTCL) also tripped.	NIL	Nil	G12	Nil
32	NR	1. 400kV Abdullapur-Kurukshetra ckt-2 2. 400kV Abdullapur-Panchkulla ckt-2	POWERGRID	30-Apr-17	01:55	30-Apr-17	03:05	01:10	Y-B phase to earth fault occurred in 400kV Abdullapur-Kurukshetra ckt-2 at 17.16 Km from Abdullapur resulting in tripping of line. 400kV Abdullapur-Panchkulla ckt-2 also tripped.	NIL	Nil	G12	Nil
33	NR	1. 400kV Dadri Panipat-1 2. 500kV HVDC Rihand-Dadri Pole-1	POWERGRID	30-Apr-17	09:10	30-Apr-17	09:42		400kV Dadri Panipat ckt-1, 500kV HVDC Rihand-Dadri Pole-1 tripped.SPS for Rihand-Dadri operated.	NIL	Nil	G12	Nil

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34	WR	Tripping of 1. 400 kV GMR-Durg-1 2. 400 kV GMR-Durg-2	GMR	06-Apr-17	18:29	06-04-2017	19:43	01:14	DT received from Durg S/S	Nil	NIL	GD-1	NIL
35	WR	Tripping of 1. 220 kV SLPP-Jhagadia-1 2. 220 kV SLPP-Jhagadia-2 3. 220 kV SLPP-Gavasad-4 4. SLPP U#1 5. SLPP U#2	GETCO	08-Apr-17	02:22	08-04-2017	03:44	01:22	Bus bar protection operation at SLPP	158	NIL	GI-1	NIL
36	WR	Tripping of 1. 220/132 kV 160 MVA ICT-1 2. 220/132 kV 160 MVA ICT-2 3. 220/132 kV 160 MVA ICT-3 at 220 kV Jabalpur-MP	MPPTCL	08-Apr-17	22:25	08-04-2017	22:43	00:18	Due to fault on 132 kV System multiple tripping occurred in Jabalpur MP Substation.	NIL	279	GI-1	0.0837
37	WR	Tripping of 1. 220 kV Akrimota-Panadhro-1 2. 220 kV Akrimota-Panadhro-2 3. 220 kV Akrimota-Nakhatrana-1 4. Akrimota U#1 5. Akrimota U#2	GSECL	10-Apr-17	14:48	10-04-2017	15:31	00:43	Due to LBB Protection operation leading to Blackout of Akrimota G/S	184	NIL	GD-1	NIL
38	WR	Tripping of 1.220kV Phursungi-Serum 2.220kV Phursungi-Theur 3.220 kV/22 kV 100 MVA ICT I 4.220 kV/22 kV 100 MVA ICT II	MSETCL	11-Apr-17	16:30	11-04-2017	17:30	01:00	Bus bar protection at Bus II of Phursungi	Nil	Nil	GI-1	Nil
39	WR	Tripping of 1. 400 kV Karad-Kolhapur D/C 2. 400 kV Karad-New Koyna D/C 3. 400 kV Koyna Stage-IV- Jejuri S/C 4. 400 kV Koyna Stage-IV- Lonikhand S/C 5. 220 kV Karad-Kholapur-II 6. 220 kV Karad-Kholapur-IV	MSETCL	12-Apr-17	03:48	12-04-2017	14:36	11:12	Due to faults (Fog prevailing in Karad area)	NIL	408	GI-2	0.23
40	WR	Tripping of 1. 765 kV Gwalior-Agra-1 2. 765 kV Gwalior-Agra-2	POWERGRID	12-Apr-17	05:51	12-04-2017	08:27	02:36	Due to R-Y Fault	NIL	NIL	GI-2	NIL
41	WR	Tripping of 1. 400/220kV ICT-1 at Kholapur 2. 400/220kV ICT-2 at Kholapur 3. 400/220kV ICT-3 at Kholapur 4. 400/220kV ICT-1 at Karad 5. 400/220kV ICT-2 at Karad 6. 400/220kV ICT-3 at Karad 7. 220 kV Mahalaxmi-Amona 8. 220 kV Tillari-Amona	MSETCL	13-Apr-17	10:01	13-04-2017	10:09	00:08	Due to Differential protection operated in 400/220 KV Kolhapur ICT-3 leading to Over-Current tripping of other 2 ICTs at Kolhapur and all 3 ICTs at Karad	NIL	980	GD-1	0.13

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42	WR	Tripping of 1. 400/220 kV ICT-1	MSETCL	20-Apr-17	09:54	20-04-2017	11:02	01:08	Due to R-Ph PRV operation. ICT-2 under planned shutdown. Tripping of ICT-1 resulted in load	NIL	80	GD-1	0.09
43	WR	Tripping of 1. 400kV Chandrapur – Bhadrawati ckt – 2 & 3 2. 400kV Chandrapur – Chandrapur(2) ckt -1 3. 400kV Chandrapur – Khaparkheda 4. 400kV Chandrapur – Padhge AC ckt-2 5. Chandrapur Unit- 3 (210 MW) 6. Chandrapur Unit- 5 (500 MW) 7. Chandrapur 400/220kV ICT -1	Maha Genco	20-Apr-17	17:01	20-04-2017	18:09	01:08	Due to bus bar protection operation at Chandrapur	550	NIL	GI-2	NIL
44	WR	Tripping of 1. 765/400 kV ICT-1 at Dharamjaygarh 2. 765/400 kV ICT-2 at Dharamjaygarh 3. 400 kV Balco-Dharamjaygarh-1 4. 400 kV Balco-Dharamjaygarh-2	POWERGRID	20-Apr-17	10:53	20-04-2017	11:22	00:29	Tripping of ICTs at Dharamjaygarh lead to tripping of 400 kV Balco lines and generating units	960	900	GD-1	0.45
45	WR	Tripping of 1.400 kV ICT1 at Kholapur 2. 400 kV ICT 2 at Kholapur 3.400 kV Kholapur -Karad ckt I 4.400kV Kholapur-Kholapur(PG) 5.400 kV Kholapur-Alkud ckt 6.400 kV Kholapur -Solapur (PG)	MSETCL	21-Apr-17	14:22	21-04-2017	14:53	00:31	Due to Bus bar protection operation at Kholapur Bus I	Nil	Nil	GI-2	Nil
46	WR	Tripping of 1.220kV Mapusa-Amona 2.220kV Tillari-Amona 3.220 kV Mahalakshmi-Amona	Goa	24-Apr-17	06:15	24-24-2017	07:16	01:01	Due to faults (Fog prevailing in Amona area)	Nil	Nil	GI-1	Nil
47	WR	Tripping of 1.220kV Mapusa-Ponda ckt I 2.220kV Mapusa-Amona 3.220 kV Tillari-Amona 4.220 kV Mahalakshmi-Amona	Goa	25-Apr-17	04:49	25-24-2017	06:47	01:58	Due to faults (Fog prevailing in Amona area)	Nil	200	GI-1	0.3933333

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48	WR	Tripping of 1. 400/220kV ICT-1 at Kholapur 2. 400/220kV ICT-2 at Kholapur 3. 400/220kV ICT-3 at Kholapur 4. 400/220kV ICT-1 at Karad 5. 400/220kV ICT-2 at Karad 6. 400/220kV ICT-3 at Karad 7. 220 kV Talangade-Chikodi 8. 220 kV Mudshinge-Chikodi 9. 220 kV Mahalaxmi-Amona 10. 220 kV Tillari-Amona 11. 220 kV Mapusa-Amona	MSETCL	26-Apr-17	10:01	26-04-2017	10:15	00:14	Due to Differential protection operated in 400/220 KV Kolhapur ICT-3 leading to Over-Current tripping of other 2 ICTs at Kolhapur and all 3 ICTs at Karad	NIL	900	GD-1	0.225
49	WR	Tripping of 1. 220 kV Halvad-Dangadra-1 2. 220 kV Halvad-Dangadra-2 3. 220 kV Halvad-Sartanpur-1 4. 220 kV Halvad-Sartanpur-2 5. 220 kV Halvad-Mansar-1 6. 220 kV Halvad-Mansar-2	GETCO	27-Apr-17	04:33	27-04-2017	11:30	07:03	Due to Y phase string flashover and fallen on Bus-1,2 & TBC resulting in Bus bar protection operation and blackout of Halvad	NIL	300	GD-1	0.01
50	ER	132 kV Ramchandrapur – Adityapur D/C 220/132 kV ATR II & III and 220 kV B/C at Ramchandrapur 132 kV Adityapur – Chandil S/C 132 kV Adityapur – Rajkarwan S/C 132 kV Chandil – Rajkarwan S/C	JUSNL	02-Apr-17	19:01	2-Apr-17	19:37	00:36	At 19:01 hrs, 132 kV Ramchandrapur – Adityapur D/C along with 220/132 kV ATR II & III and 220 kV B/C at Ramchandrapur tripped resulting due to B-N fault at 132 kV Adityapur – Ramchandrapur – I (B phase insulator string was completely broken). At the same time, 132 kV Adityapur – Chandil S/C, 132 kV Adityapur – Rajkarwan S/C & 132 kV Chandil – Rajkarwan S/C tripped	28	250	GD - I	0.15
51	ER	220 kV Ranchi – Chandil S/C 220 kV Ramchandrapur – Chandil S/C 220 kV STPS – Chandil S/C	JUSNL	05-Apr-17	15:52	5-Apr-17	20:54	05:02	At 15:37 hrs, 220 kV Ranchi – Chandil tripped due to B-N fault. Remaining 220 kV feeders at Chandil, 220 kV Ramchandrapur – Chandil and 220 kV STPS – Chandil S/C tripped at 15:52 hrs resulting power loss at Chandil and its adjacent areas.	0	245	GD - I	1.23
52	ER	400/220 kV ICT – III at Biharshariff 400/220 kV ICT – I at Biharshariff 400/220 kV ICT – II at Biharshariff	BSPTCL/ISTS	09-Apr-17	18:49	9-Apr-17	19:38	00:49	At 18:49:50.54 hrs, 400/220 kV ICT – III at Biharshariff tripped from 400 kV side due to operation of o/c protection. After the tripping of 400/220 KV ICT – III, other two ICTs got overloaded and tripped in O/C protection from HV side.	0	870	GD - I	0.71
53	ER	220 kV Ranchi – Chandil S/C 220/132 kV ATR - IV at Chandil 220 kV STPS – Chandil S/C	JUSNL	13-Apr-17	14:05	13-Apr-17	14:17	00:12	At 14:05 hrs, 220 kV Ranchi – Chandil and 220 kV Chandil – STPS S/C tripped from Chandil end due to fault in 220/132 kV ATR – IV at Chandil. Local load at Chandil was unaffected as it was being fed through 132 kV Manique – Manique S/C.	0	110	GD - I	0.02
54	ER	220 kV Muzaffarpur - Hazipur D/C	BSPTCL	13-Apr-17	15:03	13-Apr-17	15:38	00:35	Radial load fed from Hazipur, Vaishali, Chapra and Shetalpur and traction load at Bela and Sonapur was shed due to tripping of 220 kV Muzaffarpur - Hazipur D/C on Y-B-N fault.	0	112	GD - I	0.07

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration	Event <i>(As reported)</i>	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards	Energy Unserviced (in MU)
				Date	Time	Date	Time	Time					
55	ER	132 kV Chujachen - Gangtok S/C and 132 kV Rangpo Gangtok S/C	Sikkim	15-Apr-17	08:48	15-Apr-17	09:25	00:37	Due to increment weather condition, 132 kV Chujachen - Gangtok and 132 kV Rangpo Gangtok tripped on R-N fault. 132 kV Rangpo Gangtok tripped from Rangpo only	0	26	GD - I	0.02
56	ER	400 kV Muzaffarpur - Darbhanga - II	ISTS	18-Apr-17	12:35	18-Apr-17	14:08	01:33	400 kV Muzaffarpur - Darbhanga - I was under s/d. 400 kV Muzaffarpur - Darbhanga - II tripped on B-N fault resulting load loss at radially connected area such as Darbhanga, Sitamari, Pandual, Madhubani etc.	0	90	GD - I	0.14
57	ER	220 kV Arrah - Nandokhar S/C	ISTS	19-Apr-17	11:50	19-Apr-17	12:05	00:15	220 kV Arrah - Sasaram S/C and 220 kV Arrah - Khagul D/C were in opened condition. 220 kV Arrah - Nandokhar tripped due to O/V at Nandokhar.	0	113	GD - I	0.03
58	ER	400/220 kV ICT-I at Darbhanga	ISTS	19-Apr-17	22:56	19-Apr-17	23:08	00:12	400 KV Muzaffarpur-Darbhanga-I was under breakdown. Load at Samastipur, Motipur, Musari and Darbhanga were fed through 400/220 kV ICT - I at Darbhanga. So tripping of ICT resulted loss of all radially connected load (including 15 MW traction load).	0	217	GD - I	0.04
59	ER	400/220 kV ICT-I at Darbhanga	ISTS	20-Apr-17	04:54	20-Apr-17	05:14	00:20	400 KV Muzaffarpur-Darbhanga-I and 400 kV bus - I at Darbhanga were under breakdown. Load at Samastipur, Motipur, Musari and Darbhanga were fed through 400/220 kV ICT - I at Darbhanga. So tripping of ICT resulted loss of all radially connected load.	0	30	GD - I	0.01
60	ER	400/220 kV ICT-I at Darbhanga	ISTS	20-Apr-17	15:27	20-Apr-17	16:19	00:52	400 KV Muzaffarpur-Darbhanga-I and 400 kV bus - I at Darbhanga were under breakdown. Load at Samastipur, Motipur, Musari and Darbhanga were fed through 400/220 kV ICT - I at Darbhanga. So tripping of ICT - I due to hard wire problem at bay 401 resulted loss of all radially connected load.	0	70	GD - I	0.06

S.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 Unserviced (in MU)
				Date	Time	Date	Time	Time					
61	ER	400 kV HEL - Subhasgram D/C 220 kV CESC - Subhasgram - I	WBSETCL/ISTS	22-Apr-17	20:04	22-Apr-17	21:39	01:35	At 20:04 Hrs, 400 KV Haldia-Subhasgram D/c tripped due to B_N fault. Consequently, 2 running units generating 300 MW tripped at Haldia tripped due to loss of evacuation path. At same time 220 kV CESC - Subhasgram - I also tripped	300	0	GD - I	0.00
62	ER	400/220 kV ICT - II at Darbhanga 400 kV Muzaffarpur - Darbhanga - II	BSPTCL	24-Apr-17	09:42	24-Apr-17	09:50	00:08	400/220 kV ICT - I at Darbhanga was out of service due to over flux. Other 400/220 kV ICT at Darbhanga along with 400 kV Muzaffarpur - Darbhanga - II tripped due to LBB operation at Darbhanga.	0	145	GD - I	0.02
63	ER	All 220/132 kV ATRs at Jamshedpur(DVC) 220 kV Joda - JSPL - Jamshedpur(DVC) 220 K Bokaro B - Jamshedpur(DVC)	DVC	25-Apr-17	19:09	25-Apr-17	20:18	01:09	Due to B phase Bulk oil CB failure in HV side of 132/33 kV ATR - II at Jamshedpur (DVC), both 220 & 132 kV bus became dead at affected s/s	0	171	GD - I	0.20
64	ER	All 220/132 kV ATRs at Lakhikantapur	WBSETCL	26-Apr-17	16:16	26-Apr-17	17:05	00:49	All 220/132 kV ATRs at Lakhikantapur tripped when 132 kV strung bus of 220/132 kV ATR - II fell on main bus. As Lakhikantapur was being radially fed from 220 kV, power interruption occurred at Lakhikantapur, Joka, Sirakol, Falta, Kakdeep	0	300	GD - I	0.25
65	ER	All 400/220 kV ICTs at Biharshariff All 220/132 kV ATRs at Biharshariff	BSPTCL/ISTS	26-Apr-17	20:24	26-Apr-17	20:55	00:31	At 20:24 Hrs, 400/220 kV ICT-I,II,III at Biharshariff tripped on o/c. At same time, 220/132 KV ATRs at Biharshariff also tripped. Some part of load was being fed through 220 kV Tenughat - Biharshariff S/C.	0	400	GD - I	0.21
66	ER	All 400/220 kV ICTs at Biharshariff 220 kV Biharshariff - Fatua D/C	BSPTCL/ISTS	28-Apr-17	00:02	28-Apr-17	00:35	00:33	400/220 KV 315*3 MVA ICTs at Biharshariff tripped at 00:02 hrs. At 00:02 hrs Y Phase CT of 132 kv side of 100 moa At 00:02 hrs, bursting of Y Phase CT of 132 kv side of 220/132 kV ATR - III AT Fatua resulted tripping of all 400/220 kV ICTs at Biharshariff in back up O/C. At same time, 220 kV Biharshariff - Fatua D/C also tripped.	0	275	GD - I	0.15
67	ER	132 kV bus at Bandel	WBSETCL	28-Apr-17	17:23	28-Apr-17	21:02	03:39	At 17:32 Hrs, all running units (2,4,5) at Bandel tripped and generation became zero due to Bus fault at 132kv side for Y-phase CT failure at Bandel.	220	0	GD - I	0.00
68	ER	400 kV Teesta 3 - Rangpo S/C 400 kV Teesta 3 - Dikchu S/C	ISTS	29-Apr-17	15:57	29-Apr-17	16:17	00:20	At 15:57 hrs due to inclement weather around Teesta 3 and Dikchu, 400 kV Teesta3-Dikchu tripped on R-N fault. At same time 400 KV Teesta3-Rangpo tripped on DT receipt at Rangpo end resulting tripping of all running units at Teesta 3 and Dikchu due to loss of evacuation path	650	0	GD - I	0.00
69	ER	220 kV Gaya - Bodhgaya D/C	BSPTCL	29-Apr-17	20:38	29-Apr-17	20:57	00:19	Due to CT failure of 220/132 kV ICT at Bodhgaya, 220 kV Gaya - Bodhgaya D/C tripped from Bodhgaya end only resulting load loss at surrounding areas.	0	216	GD - I	0.07

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration	Event <i>(As reported)</i>	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards	Energy Unserviced (in MU)
				Date	Time	Date	Time	Time					
70	ER	765kv Jharsuguda-Angul D/C, 765kv Jharsuguda - Dharamjaygarh D/C and all 765/400 kV ICTs at Jharsuguda	ISTS	19-Apr-17	15:45	20-Apr-17	06:24	14:39	Due to sudden thunderstorm with lightning and heavy winds at Jharsuguda S/S at 15:45 hrs, connectors in 70989A ,71289A ,71389A and 71689A isolators were broken and the conductors were free hanging. As a result 765/400 kV ICTs along with lines i.e. 765kv Jharsuguda-Angul D/C & 765kv Jharsuguda - Dharamjaygarh D/C tripped due to phase to phase fault.	0	0	GI-II	0.00
71	ER	400 KV Meramundali-Angul - II 400 KV Meramundali-Angul - I 400 KV Meramundali-SEL - I 400 KV Meramundali-SEL - II 400 KV Meramundali-Mendhasal 400 KV Meramundali-Talcher - I 400/220 KV ICT at Meramundali	OPTCL	21-Apr-17	20:17	21-Apr-17	20:54	00:37	Due to R phase LA burst of 400 kV Meramundali - Angul - II at Meramundali end, multiple elements tripped from Meramundali end. As 220 kV bus was not dead, there was no load loss	0	0	GI-II	0.00
72	NER	132 kV Dimapur-Doyang I and II and 132 kV Doyang-Mokokchung line, DHEP Units 1 & 3	POWERGRID ,DoP Nagaland & NEEPCO	01-Apr-17	17:28	1-Apr-17	17:59	0:31	Doyang power station was connected with rest of NER Grid through 132 kV Dimapur-Doyang I and II and 132 kV Doyang-Mokokchung lines. At 17:28 Hr on 01.04.17, 132 kV Dimapur-Doyang I and II and 132 kV Doyang-Mokokchung lines tripped. Due to tripping of this element, DHEP unit 1 and 3 also got	30	0	GD-I	0.000
73	NER	132 kV Khliehriat (MePTCL) - Khliehriat (PG) 1 & 2 Line, 132 kV Khliehriat-NEIGRIHMS,132 kV Umiam-Umiam Stage I, 132 kV Mustem-Khliehriat , 132 kV NEIGRIHMS-Nehu, MLHEP Unit 2 & 3	POWERGRID ,MePTCL & MePGCL	01-Apr-17	21:19	1-Apr-17	21:28	0:09	Khliehriat area of Meghalaya system was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I and II lines and 2 x 160 MVA, 220/132 kV ICT I&II at Byrnihat . 132 kV Khliehriat-Lumshnong line was kept open for system requirement. At 21:19 hrs Hrs on 01.04.17 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I and II lines, 132 kV Khliehriat-NEIGRIHMS,132 kV Umiam-Umiam Stage I, 132 kV Mustem-Khliehriat , 132 kV NEIGRIHMS-Nehu and 132 kV MLHEP-Khliehriat-I lines tripped. Also, MLHEP Unit 2 and Unit 3 tripped. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	70	13	GD-I	0.004

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration	Event <i>(As reported)</i>	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards	Energy Unservd (in MU)
				Date	Time	Date	Time	Time					
74	NER	132 kV Khliehriat (MePTCL) - Khliehriat (PG) 1 & 2 Line ,132 kV Khliehriat-NEIGRIHMS and 132 kV Mustem-Khliehriat line, MLHEP Units 1 & 3	POWERGRID ,MePTCL & MePGCL	02-Apr-17	04:04	2-Apr-17	04:09	0:05	Khliehriat area of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines and 2 x 160 MVA, 220/132 kV ICT I&II at Byrnihat . 132 kV Khliehriat-Lumshnong line was kept open for system requirement. At 04:04 hrs Hrs on 02.04.17 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines, 132 kV Khliehriat-NEIGRIHMS and 132 kV Mustem-Khliehriat lines tripped. Also, MLHEP Unit 1 and Unit 3 tripped. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	70	14	GD-I	0.002
75	NER	132 kV Palatana - Udaipur 1 Line, 132 kV Agartala - Rokhia 1 Line, 132 kV Monarchak - Rokhia 1 Line, 132 kV Agartala - AGTPP 1 & 2 Line	POWERGRID & TSECL	02-Apr-17	06:45	2-Apr-17	06:54	0:09	Udaipur area of Tripura was connected with rest of NER Grid through 132 kV Udaipur-Palatana line & 132 kV Monarchak-Udaipur line . At 6:45 Hr on 02.04.17 ,132 kV Udaipur-Palatana line , 132 kV Monarchak-Udaipur line tripped. Due to tripping of	0	97	GD-I	0.037
76	NER	132 kV Khliehriat (MePTCL) - Khliehriat (PG) 1 & 2 Line	POWERGRID & MePTCL	02-Apr-17	11:13	2-Apr-17	11:18	0:05	Khliehriat area of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines and 2 x 160 MVA, 220/132 kV ICT I&II at Byrnihat .132 kV Khliehriat-Lumnsnong line was kept open for system requirement). At 11:13 Hrs on 02.04.17 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines,132 kV Nehu-NEIGRIHMS,132 kV Mustem-Nehu,132 kV	0	10	GD-I	0.007
77	NER	132 kV Khliehriat (MePTCL) - Khliehriat (PG) 1 & 2 Line, 132 kV Mustem-Khliehriat and 132 kV NEHU-NEIGRIHMS line, MLHEP Units 1 & 3	POWERGRID ,MePTCL & MePGCL	02-Apr-17	21:39	2-Apr-17	21:55	0:16	Khliehriat area of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I and II lines and 2 x 160 MVA, 220/132 kV ICT I and II at Byrnihat .132 kV Khliehriat-Lumnsnong line was kept open for system requirement). At 21:39 Hrs on 02.04.17 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I and II ,132 kV Mustem-Khliehriat and 132 kV NEHU-NEIGRIHMS lines tripped. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	70	5	GD-I	0.002
78	NER	132 kV Khliehriat (MePTCL) - Khliehriat (PG) 1 & 2 Line, Leshka Unit 3	POWERGRID ,MePTCL & MePGCL	03-Apr-17	06:12	3-Apr-17	06:22	0:10	Khliehriat area(Khliehriat & LHEP substations) of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines ,(132 kV Khliehriat-Lumnsnong line,132 kV Khliehriat-Mustem and 132 kV Khliehriat-NEIGRIHMS lines was kept open for system requirement). At 06:12 Hrs on 03.04.17, 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines and MHLEP unit 3	37	3	GD-I	0.001

S.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 (in MU)
				Date	Time	Date	Time	Time					
79	NER	132 kV Silchar - Hailakandi 1 Line	POWERGRID & AEGCL	03-Apr-17	10:32	3-Apr-17	10:56	0:24	Hailakandi area of Assam and Dharmanagar area of Tripura were connected with rest of NER Grid through 132 kV Silchar- Hailakandi line(132 kV PK Bari-Dharmanagar line was kept open for system requirement). At 10:32 Hr on 03.04.17, 132 kV Silchar- Hailakandi line tripped. Due to tripping of this element, Hailakandi area of Assam and Dharmanagar area of Tripura were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	10	GD-1	0.004
80	NER	132 kV Khliehriat (MePTCL) - Khliehriat (PG) 1 & 2 Line, Leshka Unit 1, 2 & 3	POWERGRID ,MePTCL & MePGCL	03-Apr-17	17:52	3-Apr-17	18:16	0:24	Khliehriat area (Khliehriat & LHEP stations) of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines. (132 kV Mustem-Khliehriat (MePTCL) line, 132 kV NEIGRIHMS - Khliehriat (MePTCL) line& 132 kV Khliehriat (MePTCL) - Lumsnong line were kept open for system requirement). At 17:52 Hrs on 03.04.17 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines tripped. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	90	3	GD-1	0.001
81	NER	132 kV Khandong - Khliehriat 1 & 2 Line, 132 kV Khliehriat (MePTCL) - Khliehriat (PG) 1 & 2 Line, Leshka Unit 1, 2 & 3	POWERGRID ,MePTCL & MePGCL	04-Apr-17	00:34	4-Apr-17	00:48	0:14	Khliehriat area (Khliehriat,NEHU,Mustem,Umiam, NEIGRIHMS & LHEP stations) of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines. (132 kV NEHU-Mawlai line, 132 kV Umiam - Umiam Stage 1 line& 132 kV Khliehriat (MePTCL) - Lumsnong line were kept open for system requirement). At 00:34 Hrs on 04.04.17 ,132 kV Khliehriat (PG)-Khliehriat	90	18	GD-1	0.010
82	NER	132 kV Aizawl - Zungtui 1 Line	POWERGRID	04-Apr-17	09:50	4-Apr-17	10:15	0:25	Zuangtui area of Mizoram was connected with rest of NER Grid through 132 kV Aizawl- Zuangtui line. At 09:50 Hrs on 04.04.17, 132 kV Aizawl- 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	20	GD-I	0.008
83	NER	132 kV Lumshnong - Panchgram 1 Line	AEGCL & MePTCL	03-Apr-17	22:23	3-Apr-17	22:30	0:07	Lumshnong area of Meghalaya was connected with rest of NER Grid through 132 kV Panchgram-Lumshnong line. (132 kV Khliehriat-Lumshnong line was kept open for system requirement). At 22:23 Hrs on 03.04.17, 132 kV Panchgram-Lumshnong line tripped. Due to tripping of this element, Lumshnong area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	10	GD-I	0.001

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				Date	Time	Date	Time	Time					
84	NER	132 kV Aizawl - Zungtui 1 Line	POWERGRID	04-Apr-17	21:55	4-Apr-17	22:32	0:37	Zuangtui area of Mizoram was connected with rest of NER Grid through 132 kV Aizawl- Zuangtui line. At 21:55 Hrs on 04.04.17, 132 kV Aizawl- Zuangtui line tripped. Due to tripping of this element, Zuangtui	0	31	GD-1	0.019
85	NER	132 kV Lumshnong - Panchgram 1 Line	AEGCL & MePTCL	09-Apr-17	01:05	12-Apr-17	16:31	15:26	Lumshnong area of Meghalaya was connected with rest of NER Grid through 132 kV Panchgram-Lumshnong line. (132 kV Khliehriat-Lumshnong line was kept open for system requirement). At 01:05 Hrs on 09.04.17, 132 kV Panchgram-Lumshnong line tripped. Due to tripping of this element, Lumshnong	0	17	GD-I	0.087
86	NER	132 kV Loktak - Ningthoukhong 1 Line	MSPCL	09-Apr-2017	08:57:00	09-Apr-2017	09:33:00	0:36	Ningthoukhong area of Manipur was connected with rest of NER Grid through 132 kV Loktak-Ningthoukhong line.132 kV Imphal(PG)-Ningthoukhong line line kept open for system constraint. At 08:57 Hr on 09.04.17 , 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	28	GD-1	0.016
87	NER	132 kV Dimapur - Doyang 1 & 2 Line, 132 kV Dimapur (PG) - Kohima 1 Line, DHEP Unit 1 & 3	POWERGRID , NEEPCO & MePTCL	09-Apr-17	12:33	9-Apr-17	12:46	0:13	Nagaland system except Mokokchung area and Bokajan area of Assam were connected with rest of NER Grid through 132 kV Dimapur (PG)-Doyang I & II lines (220 kV Dimapur (PG)-Misa(PG) I & II lines tripped at 12:20 Hrs on 09.04.17, 132 kV Dimapur-Imphal was under shutdown from 0815 Hrs on 09.04.17 for replacement of insulators and 132 kV Kohima-Karong line, 132 kV Bokajan - Golaghat line & 66 kV Tuensang-Likimro line kept open for system requirement). At 12:33 Hrs on 09.04.17, 132 kV	39	56	GD-I	0.063
88	NER	132 kV Dimapur - Doyang 1 Line	POWERGRID	09-Apr-17	13:04	9-Apr-17	13:29	0:25	Nagaland system except Mokokchung area and Bokajan area of Assam were connected with rest of NER Grid through 132 kV Dimapur (PG)-Doyang I line (220 kV Dimapur (PG)-Misa(PG) I & II lines tripped at 12:20 Hrs on 09.04.17 and 132 kV Doyang-Dimapur line tripped at 12:33 Hrs, 132 kV Dimapur-Imphal was under shutdown from 0815 Hrs on 09.04.17 for replacement of insulators and 132 kV Kohima-Karong line, 132 kV Bokajan - Golaghat line & 66 kV Tuensang-Likimro line kept open for system requirement). At 13:04 Hrs on 09.04.17, 132 kV Dimapur (PG)-Doyang I & II lines tripped. Due to tripping of these elements, Nagaland system except Mokokchung area and Bokajan area of Assam were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	4	17	GD-1	0.003

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration	Event <i>(As reported)</i>	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid Standards	Energy Unreserved (in MU)
				Date	Time	Date	Time	Time					
89	NER	132 kV Khliehriat (MePTCL) - Khliehriat (PG) 1 & 2 Line , Leshka Unit-1	POWERGRID & MePTCL	10-Apr-17	23:23	10-Apr-17	23:28	0:05	Khliehriat and Lumshnong area of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)- Khliehriat (ME) I & II lines (132 kV Panchgram- Lumshnong line was kept open for system requirement). At 23:23 Hrs on 10.04.17,132 kV Khliehriat (PG)- Khliehriat (ME) I & II lines tripped. Due to tripping of these elements, Khliehriat and Capital area of Nagaland was connected with rest of	40	6	GD-I	0.019
90	NER	132 kV Dimapur (PG) - Kohima 1 Line	Nagaland	11-Apr-17	09:14	11-Apr-17	09:36	0:22	NER Grid through 132 kV Dimapur(PG)-Kohima line.132 kV Kohima-Karong line was line kept open for system requirement. At 09:14 hrs on 11.04.17, 132 kV Dimapur(PG)-Kohima line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed	8	16	GD-I	0.003
91	NER	132 kV Agia - Mendipathar 1 Line	MePTCL & AEGCL	13-Apr-17	15:02	13-Apr-17	15:12	0:10	Nangalbibra & Medipathar areas of Meghalaya were connected with rest of NER Grid through 132 kV Agia- Medipathar line. At 15:02 Hrs on 13.04.17 ,132 kV Agia - Medipathar line tripped. Due to tripping of this element, Nangalbibra area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	36	GD-I	0.007
92	NER	132 kV Monarchak - Udaipur 1 Line , 132 kV Monarchak - Rokhia 1 Line	TSECL	15-Apr-17	10:56	15-Apr-17	11:03	0:07	Monarchak Power plant and Rabindranagar area of Tripura was connected with rest of NER Grid through 132 kV Monarchak-Udaipur line and 132 kV Monarchak-Rokhia line. (At 10:56 Hr on 15.04.17 ,132 kV Monarchak-Udaipur line and 132 kV Monarchak- Rokhia line tripped and generation of Monarchak and Rokhia also tripped . Due to tripping of these elements, Monarchak and Rabindranagar area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	113	5	GD-I	0.001
93	NER	132 kV Khliehriat (MePTCL) - Khliehriat (PG) 1 & 2 Line , Leshka Unit-1 & 2	POWERGRID & MePTCL	15-Apr-17	22:02	15-Apr-17	22:37	0:35	Khliehriat area of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG)- Khliehriat (MePTCL) I & II lines. (132 kV Panchgram- Lumshnong line,132 kV NEHU-Umiam line & 132 kV NEHU-Mawlai line were kept open for system requirement). At 22:02Hrs on 15.04.17 ,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines	70	48	GD-I	0.028
94	NER	132 kV Imphal (Manipur) - Imphal (PG) 1 & 2 Line	POWERGRID	16-Apr-17	01:21	16-Apr-17	01:36	0:15	Capital area & Karong Area of Manipur was connected with rest of NER Grid through 132 kV Imphal-Imphal I & II lines & 132 kV Karong - Kohima line (132 kV Kakching-Kongba line kept open for system requirement). At 01:21 Hr on 16.04.17 ,132 kV Imphal-Imphal I & II lines & 132 kV Karong - Kohima 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	16	GD-I	0.005

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				Date	Time	Date	Time	Time					
95		132 kV Aizawl - Zungtui 1 Line	POWERGRID	21-Apr-17	03:37	21-Apr-17	03:58	0:21	Zuangtui area of Mizoram was connected with rest of NER Grid through 132 kV Aizawl- Zuangtui line. At 03:37 Hrs on 21.04.17, 132 kV Aizawl- 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	15	GD-I	0.040
96	NER	132 kV Agartala - AGTPP 1 & 2 Line, 132 kV Agartala - Rokhia 1 & 2 Line, 132 kV Monarchak - Rokhia 1 Line	POWERGRID & TSECL	22-Apr-17	09:01	22-Apr-17	09:11	0:10	Rokhia Generating Station of Tripura was connected with rest of NER Grid though 132 kV Agartala-Rokhia I and II, 132 kV Monarchak-Rokhia lines. At 09:01 hrs on 22.04.17, 132 kV Agartala-AGTPP I and II, 132 kV Agartala-Rokhia I and II and 132 kV Monarchak-Rokhia lines tripped. Rokhia unit 7 and 8 and Monarchak unit also tripped due to heavy jerk in the grid. Due to tripping of these elements, Rokhia plant was separated from rest of NER grid and subsequently collapsed due to load generation mismatch.	121	45	GD-I	0.009
97	NER	132 kV Aizawl - Zungtui 1 Line	POWERGRID	24-Apr-2017	10:06:00	24-Apr-17	10:44:00	0:38	Zuangtui area of Mizoram was connected with rest of NER Grid through 132 kV Aizawl- Zuangtui line. At 10:06 Hrs on 24.04.2017 , 132 kV Aizawl- Zuangtui line tripped. Due to tripping of this element, Zuangtui	0	29	GD-I	0.023
98	NER	400 kV Silchar-Palatana 2 line, 132 kV AGTPP-Kumarghat line & 132 kV Agartala-Dhalabil line, Palatana GTG 1 & 2 ,STG 1&2, AGTCCP GTG 1,2 & STG 1	NETCL, POWERGRID ,NEEPCO & TSECL	25/4/17	13:07	25.04.17	13:20	0:13	Tripura, Bangladesh(South Comilla load), Palatana & AGTPP systems were connected with rest of NER Grid through 400 kV Silchar-Palatana 2 line, 132 kV AGTPP-Kumarghat line & 132 kV Agartala-Dhalabil line(400 kV Silchar-Palatana 1 line was under shutdown from 08:33 Hrs of 25.04.17 & 132 Jirania-Baramura line was under shutdown). At 13:07 Hr on 25.04.2017, 400 kV Silchar-Palatana 2 line tripped.This led to the overloading of 132 kV AGTPP-Kumarghat line & 132 kV Agartala-Ambassa line and subsequently tripped on over current. Due to tripping of these elements, Tripura, Bangladesh(South Comilla load), Palatana & AGTPP systems were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch. However there was no power interruption in PK Bari, Kamalpur, Ambassa, Baramura, Dharmanagar,Gamatilla & Dhalabil substations of Tripura system.	688 (Palatana:546 ,AGTCCP:57, Monarchak: 60,Rokhia:26)	298 (Tripura:116 ,Bangladesh :121,South Assam:61)	GD-II	0.025
99		132 kV Lekhi - Nirjuli 1 Line	DoP, AP & POWERGRID	25-Apr-2017	16:00:00	25-Apr-2017	16:17	0:17	Nirjuli area of Arunachal Pradesh and Gohpur load of Assam were connected with rest of NER Grid through 132 kV Nirjuli-Lekhi line (Bus Coupler at Gohpur kept open for system requirement). At 16:00 Hr on 25.04.2017, 132 kV Nirjuli-Lekhi line tripped. Due to tripping of this element, Nirjuli area of Arunachal		20	GD-I	0.006

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				Date	Time	Date	Time	Time					
100		132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines,132 kV NEHU-Mustem line & 132 kV NEHU-NEIGRIHMS line,MLHEP Units 1,2 & 3	POWERGRID ,MePTCL & MePGCL	26-Apr-2017	10:23:00	26-Apr-2017	10:27	0:04	Khliehriat area of Meghalaya (Khliehriat, MLHEP , Lumshnong, Mustem & NEIGRIHMS substations) was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines,132 kV NEHU-Mustem line & 132 kV NEHU-NEIGRIHMS line(132 kV Lumshnong-Panchgram line kept open for system requirement). At 10:23 Hrs on 26.04.2017, 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines,132 kV NEHU-Mustem line & 132 kV NEHU-	126	40	GD-I	0.001
101		400 kV Silchar-Palatana 2 line, 132 kV AGTPP-Kumarghat line & 132 kV Agartala-Dhalabil line, AGTCCP GTG 1,2 & STG 1, Monarkchak GTG & STG, Rokhia Units 7,8 &9	NETCL, POWERGRID ,NEEPCO & TSECL	26-Apr-17	12:51	26-Apr-17	13:13	0:22	Tripura, Bangladesh(South Comilla load), Palatana & AGTPP systems were connected with rest of NER Grid through 400 kV Silchar-Palatana 2 line, 132 kV AGTPP-Kumarghat line & 132 kV Agartala-Dhalabil line(400 kV Silchar-Palatana 1 line was under shutdown from 08:32 Hrs of 26.04.17 & 132 Jirania-Baramura line was under shutdown). At 12:51 Hr on 26.04.2017, 400 kV Silchar-Palatana 2 line tripped.This led to the overloading of 132 kV AGTPP-Kumarghat line & 132 kV Agartala-Ambassa line and subsequently tripped on over current. Due to tripping of these elements, Tripura, Bangladesh(South Comilla load), Palatana & AGTPP systems were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch. However there was no power interruption in PK Bari, Kamalpur, Ambassa, Baramura, Dharmanagar,Gamatilla & Dhalabil substations of Tripura system.	192 (AGTCCP:47, Monarchak:8 9,Rokhia:56)	148 (Tripura:40, Bangladesh: 108)	GD-II	0.021
102		132 kV Lekhi - Nirjuli 1 Line	DoP, AP & POWERGRID	27-Apr-2017	20:00:00	27-Apr-2017	20:26:00	0:26	Nirjuli area of Arunachal Pradesh and Gohpur load of Assam were connected with rest of NER Grid through 132 kV Nirjuli-Lekhi line (Bus Coupler at Gohpur kept open for system requirement). At 20:00 Hr on 27.04.2017, 132 kV Nirjuli-Lekhi line tripped. Due to tripping of this element, Nirjuli area of Arunachal	0	24	GD-I	0.01
103		132 kV Lekhi - Nirjuli 1 Line	DoP, AP & POWERGRID	27-Apr-2017	20:58:00	27-Apr-2017	21:07:00	0:09	Nirjuli area of Arunachal Pradesh and Gohpur load of Assam were connected with rest of NER Grid through 132 kV Nirjuli-Lekhi line (Bus Coupler at Gohpur kept open for system requirement). At 20:58 Hr on 27.04.2017, 132 kV Nirjuli-Lekhi line tripped. Due to tripping of this element, Nirjuli area of Arunachal	0	22	GD-I	0.003

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				Date	Time	Date	Time						
104		132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines,132 kV Khliehriat-Mustem line & 132 kV NEHU-NEIGRIHMS line,MLHEP Units 1,2&3	POWERGRID ,MePTCL & MePGCL	28-Apr-2017	03:51:00	28-Apr-2017	04:02	0:11	Khliehriat area of Meghalaya (Khliehriat, MLHEP , Lumshnong, Mustem & NEIGRIHMS substations) was connected with rest of NER Grid through 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines,132 kV Khliehriat-Mustem line & 132 kV NEHU-NEIGRIHMS line(132 kV Lumshnong-Panchgram line kept open for system requirement). At 03:51 Hrs on 28.04.2017, 132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines,132 kV NEHU-Mustem line & 132 kV NEHU-NEIGRIHMS line tripped. Due to tripping of these elements, Khliehriat area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	126	20	GD-I	0.003
105	NER	400 kV Silchar - Byrnihat line, 220 kV Misa-Byrnihat D/C lines, 132 kV Haflong - Jiribam line, 132 kV Badarpur - Khliehriat line & 132 kV Dimapur - Imphal line,Palatana STG 1 & 2,GTG 1&2, AGTCCP Units 1,2 &5 ,Rokhia Units 7,8 & 9, Monarchak GTG & STG, Leshka Units 1,2 & 3, Loktak Units 1,2&3	POWERGRID , NETCL,AEGCL, MePTCL,Me PGCL,TSECL, NHPC, NEEPCO	28-Apr-2017	19:10:00	28-Apr-2017	19:17	0:07	Southern Part of NER comprising of Tripura, Mizoram, Manipur, South Assam, Meghalaya, Palatana, AGTPP, Loktak & Bangladesh (South Comilla load) systems was connected with rest of NER Grid through 400 kV Silchar - Byrnihat line, 220 kV Misa-Byrnihat D/C lines, 132 kV Haflong - Jiribam line, 132 kV Badarpur - Khliehriat line & 132 kV Dimapur - Imphal line (400 kV Silchar - Azara line tripped at 18:42 Hrs on 28.04.17. NERLDC requested RTAMC to restore this line vide Code 817.400 kV Bongaigaon-Byrnihat line tripped at 18:58 Hrs on 28.04.17. 132 kV Nangalbibra-Nongstoin line, 132 kV Karong-Kohima line & 132 kV Lumshnong-Panchgram line kept open for system requirement). At 19:10 Hrs on 28th April'17, 400 kV Silchar - Byrnihat line (Silchar:DP,B-E,Zone-2,242 Kms.& Byrnihat: Earth Fault,Zone-1,4.5 Kms) & 220 kV Misa-Byrnihat 1 line(Misa: lines tripped. This led to overloading of 132 kV Haflong - Jiribam line, 132 kV Badarpur - Khliehriat line & 132 kV Dimapur - Imphal line and subsequently tripped on over current. Due to tripping of these lines, Southern Part of NER was separated from rest of NER grid and subsequently collapsed due to load generation mismatch. Due to operation of LBB at 220 kV Misa substation, all 220 kV lines from Misa except 220 kV Misa-Mariani(AS) & 220 kV Misa-Kopili 3 lines tripped.	845 (Palatana-515, AGTPP-78, Loktak-105, Monarchak-72, Rokhia-55, Baramura-20, Umiam Stg II-7, Umiam Stg I-12)	689 (Tripura-211, Bangladesh-154, Manipur-136, Mizoram-45, South Assam-81, Meghalaya-216)	GD-IV	0.236
106	NER	132 kV Imphal-Imphal I & II lines	POWERGRID & MSPCL	30-Apr-2017	02:37:00	30-Apr-2017	02:46:00	0:09	Capital area & Karong area of Manipur were connected with rest of NER Grid through 132 kV Imphal-Imphal I & II lines (132 kV Kakching-Kongba line & 132 kV Karong-Kohima line kept open for system requirement). At 02:37 Hrs on 30.04.2017 ,132 kV Imphal-Imphal I & II lines tripped. Due to	0	19	GD-I	0.064

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				Date	Time	Date	Time	Time					
107	NER	132 kV AGTPP-Agartala I & II lines & 132 kV AGTPP-Kumarghat line, AGTCCP Unis 1,3,4,5&6	POWERGRID & NEEPCO	30-Apr-2017	23:50:00	01-May-2017	00:18:00	0:28	AGTPP Power Station was connected with rest of NER Grid through 132 kV AGTPP-Agartala I & II lines & 132 kV AGTPP-Kumarghat line. At 23:50 Hr on 30.04.2017, 132 kV AGTPP-Agartala I & II lines & 132 kV AGTPP-Kumarghat line tripped. Due to evacuation problem, AGTPP was blacked out.	82	0	GD-I	0.038
108	SR	1) 400kV NCTPS-Vallur-1 2) 400kV NCTPS-Vallur-2 3) 400kV NCTPS-Alamathy-1 4) 400kV NCTPS-Alamathy-2 5) 400kV NCTPS-SVChatram-1 6) 400kV NCTPS-SVChatram-2 7) North Chennai TPS STG2 Unit-2	TANTRANSCO/ TANGEDCO/ Tamilnadu	24-Apr-17	21:02	25-Apr-17	07:54	260:48	400kV lines from North Chennai TPS started tripping from 16:25 hrs on 24-04-2017. At 21:02 hrs 400kV NCTPS-SVChatram line-2 was the last evacuating line from NCTPS to get tripped and return resulting in tripping of running Unit-2 at NCTPS STG-2. Unit-1 was not in service.	435	Nil	GD-1	Nil
109	SR	1) 400kV NCTPS-SVChatram-1 2) 400kV NCTPS-Alamathy-1 3) 400kV NCTPS-Alamathy-2 4) North Chennai TPS STG2 Unit-2	TANTRANSCO/ TANGEDCO/ Tamilnadu	25-Apr-17	18:27	25-Apr-17	18:32	2:00	In antecedent condition 400kV NCTPS-Vallur line-1&2 and 400kV NCTPS-SVChatram line-2 were out of service. Unit-1 was take not taken into service due to non-availability of sufficient evacuating lines. At 17:23 hrs bus bar protection of 400kV Bus-3 got operated at NCTPS while charging SVChatram line-1. this led to tripping of 400kV NCTPS-SVChatram line-1 and 400kV NCTPS-Alamathy line-1. Unit-2 generation was evacuated only through 400kV NCTPS-Alamathy line-2 which tripped due to fault at 18:27 hrs leading to tripping of Unit-2 and complete station outage of at NCTPS STG-2.	435	Nil	GD-1	Nil
110	SR	1) 400kV NCTPS-Vallur-1 2) 400kV NCTPS-Vallur-2 3) 400kV NCTPS-Alamathy-1 4) 400kV NCTPS-Alamathy-2 5) 400kV NCTPS-SVChatram-2 6) North Chennai TPS STG2 Unit-1	TANTRANSCO/ TANGEDCO/ Tamilnadu	26-Mar-17	21:09	27-Mar-17	01:33	105:36	In antecedent condition 400kV NCTPS-SVChatram-1 and Unit-1 were not in service. From 18:51 hrs, 400kV lines from NCTPS got tripped due to fault and last evacuating line to trip was 400kV NCTPS-SVChatram line-2 which return resulted in tripping of Unit-2 at NCTPS STG-2. 230kV lines from NCTPS STG 1 started tripping due to fault from 18:08 hrs and with tripping of 230kV Athipattu feeder, NCTPS STG1 Units-1,2 and 3 got tripped at 23:14 hrs	167	Nil	GD-1	Nil
111	SR	1) 230kV NCTPS-Gummidipoondi 2) 230kV NCTPS-Tondiarpet 2 3) 230kV NCTPS-Tondiarpet 1 4) 230kV NCTPS-Sriperambadur 5) 230kV NCTPS-Ennore 6) 230kV NCTPS-Alamathy 7) 230kV NCTPS-Athipattu 8) North Chennai STG 1 Unit-1, 2 & 3	TANTRANSCO/ TANGEDCO/ Tamilnadu	26-Mar-17	23:14	27-Mar-17	07:49	206:00	230kV lines from NCTPS STG 1 started tripping due to fault from 18:08 hrs and with tripping of 230kV Athipattu feeder, NCTPS STG1 Units-1,2 and 3 got tripped at 23:14 hrs	250	Nil	GD-1	Nil
112	SR	1) 220kV lines 2) 400kV ICT-1 at Vemagiri 3) 220kV Bus-1 at Vemagiri	APTRANSCO / Andhrapradesh	09-Apr-17	12:31	9-Apr-17	12:44	5:12	400/220 kV ICT-1 connected to 220kV Bus-1 at Vemagiri (AP) substation got tripped due to operation of Busbar protection of 220kV bus-1. No fault was observed from PMU data plots. Hence	NIL	Nil	GI-1	Nil

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				Date	Time	Date	Time	Time					

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