

Major Grid Events for May, 2018_ Northern Region

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 Unerved (in MU)
				Date	Time	Date	Time	Time					
1	NR	1) 220 kV Bus 1 Pong HEP 2) Unit #1 at Pong HEP 3) 220 kV Pong-Dasuya ckt-3 4) 220 kV Pong-Jalandhar ckt-1 5) 220 kV Pong-Bairasuil 6) 220 kV Pong-Jasor	BBMB/ Punjab/ NHPC/ POWERGRID	2-May-18	11:13	2-May-18	12:15	01:02	Busbar protection of 220 kV Pong Bus-1 operated due to the blast of B-phase CT of GT-3 of unit-3 of Pong HEP. In antecedent condition unit-3 was not in service however bus side isolator was connected through 220kV Bus-1 of Pong HEP. It resulted into the tripping of Unit and lines connected to 220 kV Bus-1 of Pong HEP. 220kV Pong-Jasor ckt was connected on 220kV Bus-2 of Pong HEP also tripped from Jasor end.	50		GD-1	0.00
2	NR	1) Ataur(UP)-Muzaffarnagar(UP) 2) Alaknanda HEP - Muzaffarnagar ckt- 2 3) Muzaffarnagar-Vishnuprayag ckt-1 4) Muzaffarnagar(UP)-Roorkee(PG) 5) Bareilly II (PG) - Kashipur (UTT) ckt- 1 6) Muzaffarnagar 315 MVA ICT 2 7) Muzaffarnagar 315 MVA ICT 1 8) Muzaffarnagar 315 MVA ICT 3 9) Muzaffarnagar 400 kV Bus 1 10) Muzaffarnagar 400 kV Bus 2 11) Ballabgarh(PG)-Bamnauli(DTL) ckt-2 12) Ballabgarh(PG)-Bamnauli(DTL) ckt-1 13) 400 kV Alwar-Hindaun ckt 14) 400 kV Heerapura-Hindaun ckt 15) 765kV Agra-Gwalior ckt-2 16) 765kV Agra-Gwalior ckt-1 17) 400kV Agra(PG)-Agra(UP) ckt-2 18) 765kV Agra-Fatehpur ckt-1 19) 765kV Agra-Fatehpur ckt-2 20) 765kV Agra-Aligarh ckt 21) 765/400kV 1500MVA ICT-1 at Agra 22) 765/400kV 1500MVA ICT-2 at Agra 23) 765kV Aligarh(PG)-Orai(PG) ckt-2 24) 400kV Orai 400(UP)-Orai 765(PG) ckt-2 25) 400kV Bhilwara-Chhabra ckt-1 26) 400kV Ajmer II(RVPLN)-Bhilwara (RVPLN) ckt-1 27) 400kV Chamera pool-Jalandhar ckt-2 28) 400/220kV 315 MVA ICT 2 at Chamba (PG) 29) 220kV Bareilly(UP)-Dhauliganga(NHPC) 30) 220kV Dhauliganga(NHPC)-Pithorgarh(PG) 31) 220/132kV 100 MVA ICT-1 at Pithorgarh 32) 220/132kV 100 MVA ICT-2 at Pithorgarh 33) 400kV Allahabad Rewa Road (UP)-Meja TPS(UP) ckt-2 34) Allahabad Rewa Road(UP) - Panki (UP) ckt 35) 400kV Dhuri-Rajpura ckt-1 36) 400/220kV 500 MVA ICT 3 at Dhuri 37) 400kV 125 MVAR B/R at Patiala 38) 400/220kV 315 MVA ICT 1 at Patiala	UP/ Uttarakhand/ POWERGRID/ DTL/ Rajasthan/ NHPC/ Punjab	2-May-18	13:54	3-May-18	07:50	17:56	Multiple element tripping in Northern Region during thunderstorm and dust storm which led to load crash in NR. Total 12 Grid Events(as per CEA category) occurred during the event.	480	540	GD-1	0.81

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				Date	Time	Date	Time	Time					
3	NR	1) 400 kV Anta RS - Kawai(Adani) ckt- 1 2) 400 kV Anta RS - Kawai(Adani) ckt- 2 3) 400 kV Anta RS - Chabra(RVPNL) ckt-1 4) 400 kV Bhilwara (RVPNL)-Chabra(RVPNL) ckt-1	Rajasthan/ Adani	2-May-18	14:40	2-May-18	15:02	00:22	During testing of 400kV bus bar protection for 400kV bus-2 at 765/400kV Anta (Raj) all the main CB connected to 400kV Bus-2 was already under open condition. Tripping command extended to tie CB of 400kV Anta-Kawai D/C and 400kV Anta-Kalisindh ckt-1 at Anta (Raj) resulted into tripping of these elements. Further 400kV Chhabra-Bhilwara also tripped on power swing from Bhilwara end. As 400kV Chhabra-Hindaun was already under outage, tripping of Chhabra-Bhilwara ckt resulted into complete loss of evacuation path for Kawai and Chhabra TPS generation.	1315		GD-1	0.00
4	NR	1) 400kV Bikaner(RRVPNL)-Merta(RRVPNL) 2) 400kV Jodhpur(RRVPNL)-Merta(RRVPNL) ckt-1	Rajasthan	3-May-18	20:58	3-May-18	22:13	01:15	Blue phase to earth fault occurred in 400 kV Bikaner(Raj)-Merta(Raj). At the same time 400kV Jodhpur-Merta ckt-1 also tripped . As per PMU data,Blue-phase to earth fault and line didn't autoreclosed on single phase to earth fault.			GI-2	0.00
6	NR	1) 800kV HVDC Champa(PG)-Kurukshehra(PG) ckt-1 2) 800kV HVDC Champa(PG)-Kurukshehra(PG) ckt-2	POWERGRID	5-May-18	13:14	5-May-18	16:18	03:04	400kV Mainpuri 765(UP)-Parichha TPS (UP) & 400kV Oraí(UP)-Parichha TPS (UP) tripped during Blue phase to earth fault in the system. As per PMU data delayed clearance of fault. Fault duration: 1440ms is cause of concern for the system.			GI-2	0.00
5	NR	1) 400kV Mainpuri 765(UP)-Parichha TPS (UP) 2) 400kV Oraí(UP)-Parichha TPS (UP)	UP	5-May-18	15:02	5-May-18	18:32	03:30	800kV HVDC Champa(PG)-Kurukshehra(PG)-1 bipole tripped due to auxiliary supply failure.			GI-2	0.00
7	NR	1) 400kV Kala Amb(PKATL)-Karchamwangtoo(HBPCL) ckt-1 2) 400kV Abdullapur(PG)-Kala Amb(PKATL) ckt-1 3) 400kV Abdullapur(PG)-Kala Amb(PKATL) ckt-2 4) 400kV Jhakri(SJVNL)-Panchkula(PG) ckt-1 5) 400kV Jhakri(SJVNL)-Rampur(SJVNL) ckt-2 6) 400kV Nallagarh(PG)-Rampur(SJVNL) ckt-2 7) 400kV Jhakri(SJVNL)-Karchamwangtoo(JP) ckt-1	SJVNL/ PKATL/ POWERGRID/ JSW	5-May-18	16:45	5-May-18	16:56	00:11	In the span of 4-5 minutes, 400 kV Abdullapur(PG)-Kala Amb(PKATL) 1 & 2 & 400 kV Kala Amb(PKATL)-Karchamwangtoo(HBPCL) ckt-1 tripped due to Y-B Fault. Multiple fault observed through PMU data in the span of 5 minutes. Multiple element tripping also occurred at 400kV Jhakri and Rampur HEP. Total five units of Rampur HEP tripped during the incident.	350		GD-1	0.00
8	NR	1) 765kV Fatehabad 765(UP)-Lalitpur TPS(LPGCL) 1 2) Unit#1 at Lalitpur TPS(LPGCL) 3) Unit#1 at Lalitpur TPS(LPGCL) 4) Unit#1 at Lalitpur TPS(LPGCL)	UP	6-May-18	16:50	6-May-18	18:28	01:38	765 kV Fatehabad 765(UP)-Lalitpur TPS ckt-1 tripped due to R-phase to earth fault followed by B phase to earth fault during A/R time. As 765 kV Fatehabad 765(UP)-Lalitpur TPS ckt-2 was already under outage, ckt-1 tripping lead to tripping of all 3 running units of 765 kV Lalitpur(TPS) due to evacuation problem. As per PMU, R phase to earth fault and after 1000ms during A/R of R-phase, B-phase to earth fault observed.	900		GD-1	0.00

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				Date	Time	Date	Time	Time					
9	NR	1) 800kV HVDC Champa(PG)-Kurukshehra(PG)-1 2) 800kV HVDC Champa(PG)-Kurukshehra(PG)-2	POWERGRID	7-May-18	04:23	7-May-18	04:47	00:24	±800kV Champa-Kurukshehra line-1 & 2 tripped due to DC line fault (CLD protection operated for Pole-2 during DMR testing by creating unbalance current in the Pole-1 & 2 and after tripping of Pole-2, Pole-1 tripped on MRLDP protection). As per PMU data, fluctuation observed in the phase voltages.			GI-2	0.00
10	NR	1) 400 kV Jhakri(SJVNL)-Rampur(SJVNL)-2 2) 400 kV Jhakri(SJVNL)-Karchamwangtoo(JSW) 1 3) 400 kV Jhakri(SJVNL)-Panchkula(PG) 1 4) 400 kV Jhakri(SJVNL)-Panchkula(PG) 2	SJVNL/ JSW/ POWERGRID	9-May-18	15:20	9-May-18	15:53	00:33	400 kV Jhakri(SJVNL)-Rampur(SJVNL) ckt-2 & 400 kV Jhakri(SJVNL)-Karcham Wangtoo (JSW) ckt-1 tripped due to lightning. 400 kV Jhakri(SJVNL)-Panchkula(PG) ckt-1 & 2 also tripped on B-N & R-N fault respectively. At 15:20hrs, R-B fault observed through PMU data. In antecedent condition thunder storm observed in that area.			GI-2	0.00
11	NR	1) 765 kV Aligarh(PG)-Orai(PG) 1 2) 765 kV Bus 1 at Orai(PG)	POWERGRID	9-May-18	17:43	9-May-18	18:24	00:41	765 kV Aligarh(PG)-Orai(PG) ckt-1 tripped on B (Blue)-N fault & 765 kV Bus 1 at Orai(PG) also tripped at the same time. Similar incident occurred at 1903 Hrs. As per PMU data, B-N fault observed with unsuccessful autoreclosing during both the incident.			GI-2	0.00
12	NR	1) 400 kV Koteswar Pool(PG)-Tehri(THDC) ckt-1 2) 400 kV Koteswar Pool(PG)-Tehri(THDC) ckt-2 3) 400 kV Koteswar Pool(PG)-Koteswar(THDC) ckt-1	POWERGRID/ THDC	9-May-18	18:03	9-May-18	18:44	00:41	400 kV Koteswar Pool(PG)-Tehri(THDC) ckt-1 & 2 tripped on R-Y phase to phase fault. 400kV Koteswar Pool (PG)-Koteswar (THDC) also tripped at the same time. As per PMU data, R-Y phase to phase fault observed.	350		GD-1	0.00
13	NR	1) 800kV HVDC Champa(PG)-Kurukshehra(PG)-1 2) 800kV HVDC Champa(PG)-Kurukshehra(PG)-2	POWERGRID	9-May-18	19:13	9-May-18	20:28	01:15	800kV Champa-Kurukshehra line-1 & 2 tripped due to CLD protection operation.			GI-2	0.00
14	NR	1) 220 kV Bus 1 at 400/220 kV Lucknow (PG) 2) 220 kV Kursi Road(UP)-Lucknow(PG) 3) 220 kV Lucknow(PG)-Sitapura(UP)	POWERGRID/ UP	10-May-18	13:45	10-May-18	18:02	04:17	220 kV Bus 1 at 400/220 kV Lucknow (PG) tripped due to problem in CT supervision and 220 kV Kursi Road(UP)-Lucknow(PG) ckt- 1 & Lucknow(PG)-Sitapura(UP) also tripped; As per PMU data, no fault observed.			GI-1	0.00
15	NR	1) 400kV Nallagarh(PG)-Rampur(SJVNL) ckt-1 2) 400kV Nallagarh(PG)-Rampur(SJVNL) ckt-2	POWERGRID/ SJVNL	11-May-18	16:22	11-May-18	16:48	00:26	400kV Nallagarh(PG)-Rampur(SJVNL) ckt-1 & 2 tripped due to R-Y & B-N Fault respectively; As per PMU data, B-N followed by R-Y phase to phase fault observed. Two incident of fault. 400kV Rampur-Nalagarh ckt-2 tripped on B-N fault and 400kV Rampur-Nalagarh ckt-1 tripped on R-Y phase to phase fault.			GI-2	0.00
16	NR	1) 400kV Parbati pool (PG) - Parbati(2) HEP(NHPC) 2) 400 kV Parbati(2) HEP(NHPC) - Sainj HEP(HPPCL) ckt-1	POWERGRID/ PKTCL/ NHPC/ HPPCL	12-May-18	18:15	12-May-18	20:31	02:16	400kV Parbati pool (PG) - Parbati(2) HEP(NHPC) tripped due to R-N Fault, 400 kV Parbati(2) HEP(NHPC) - Sainj HEP(HPPCL) ckt-1 also tripped; As per PMU data, R-N Fault observed with no autoreclosing.			GI-2	0.00
17	NR	1) 400kV Panchkula(PG)-Patiala(PG) ckt-2 2) 400 kV Dehar (BBMB) - Panchkula (PG)	POWERGRID/ BBMB	12-May-18	20:58	12-May-18	21:17	00:19	400kV Panchkula(PG)-Patiala(PG) ckt-2 & 400 kV Dehar (BBMB) - Panchkula (PG) tripped due to R-N Fault & B-N fault respectively; As per PMU data, R-B phase to phase fault observed.			GI-2	0.00
18	NR	1) 400 kV Koteswar Pool(PG)-Tehri(THDC) ckt-1 2) 400 kV Koteswar Pool(PG)-Tehri(THDC) ckt-2	POWERGRID/ THDC	13-May-18	15:22	13-May-18	16:41	01:19	400kV Koteswar Pool(PG)-Tehri(THDC) ckt-1 & 2 tripped during bad weather on R-Y phase to phase fault; As per PMU data, R-Y phase to phase fault observed and cleared with time delay of 760ms.	370		GD-1	0.00

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				Date	Time	Date	Time	Time					
19	NR	1) 400kV Gurgaon-Manesar ckt-1 2) 400kV Gurgaon-Manesar ckt-2 3) 400kV Manesar-Neemrana ckt-1 4) 400kV Manesar-Neemrana ckt-2 5) 400kV Aligarh 765(PG)-Orai 765(PG) 1 6) 765/400kV 1000 MVA ICT 2 at Orai (PG) 7) 400kV Bara TPS(UP)-Mainpuri 765(UP) ckt-2 8) 400kV G.Noida(765)-G.Noida(400) ckt-2 9) 765kV Agra-Fatehpur ckt-1 10) 400kV Bamnauli(DTL)-Jhatikara(PG) ckt-1 11) 400kV Ballabgarh(PG)-Bamnauli(DTL) ckt-1 12) 400kV Panchkula (PG) - Panipat (BBMB) 13) 400kV Dadri(NTPC)-Panipat(BBMB) ckt-2 14) 400kV Alaknanda HEP - Vishnuprayag ckt-2 15) 400kV Alaknanda HEP(UP)-Srinagar(UTT) ckt-1 16) 400kV Muzaffarnagar-Vishnuprayag ckt-2 17) 400kV Alaknanda HEP(UP)-Srinagar(UTT) ckt-2 18) 400kV Alaknanda HEP - Muzaffarnagar ckt-2 19) 400kV Bareilly (UP)-Unnao (UP) ckt-2 20) 400kV Bareilly (PG) - Kashipur (UTT) ckt- 2 21) Allahabad Rewa Road(UP)-Meza TPS(UP) ckt-2 22) 400kV Allahabad Rewa Road(UP) - Banda(UP) ckt-2	POWERGRID/ UP/ Delhi/ BBMB/ NTPC/ Uttarakhand	13-May-18	16:20	14-May-18	11:12	18:52	Multiple element tripping in Northern Region during thunderstorm and dust storm which led to load crash in NR. Total 8 Grid Events(as per CEA category) occurred during the event in a span of 4 hours. Complete station outage occurred at Manesar (PG), Muzaffarnagar (UP), Alaknanda HEP, Srinagar (UTT) and Vishnuprayag HEP.	225	72	GD-1	0.06
20	NR	1) 400kV Bahadurgarh(PG)-Kabulpur(HVPLN) 2) 400kV Dipalpur-Kabulpur ckt-2 3) 400kV Daultabad(HVPLN)-Jhajjar(APCPL) ckt-1 4) 400kV Daultabad-Dhanonda ckt-1 5) 400kV Ballabgarh(PG)-Bamnauli(DTL) ckt-1 6) 400kV Bamnauli(DTL)-Jhatikara(PG) ckt-1 7) 220kV Mandola(PG)-Wazirabad(DTL) ckt-1 8) 220kV Mandola(PG)-Wazirabad(DTL) ckt-2 9) 220kV Mandola(PG)-Wazirabad(DTL) ckt-3 10) 220kV Mandola(PG)-Narela(DTL) ckt-1 11) 400/220kV 315 MVA ICT 1 at Bawana 12) 220kV Badarpur(NTPC)-Mahrauli(DTL) ckt-2 13) 220kV Mandola(PG)-Narela(DTL) ckt-2	POWERGRID/ UP/ Delhi/ Haryana/ APCPL	16-May-18	02:19	16-May-18	12:53	10:34	Multiple element tripping in Northern Region during thunderstorm and dust storm which led to load crash in NR. Total 5 Grid Events(as per CEA category) occurred during the event in a span of 1 hour.	115	340	GD-1	0.22
21	NR	1) 400 kV Mainpuri(PG)-Mainpuri 765(UP) ckt-2 2) 400 kV Aligarh(UP)-Mainpuri 765(UP) ckt-2	POWERGRID/ UP	19-May-18	16:55	19-May-18	18:50	01:55	400 kV Mainpuri(PG)-Mainpuri 765(UP) 2 & 400 kV Aligarh(UP)-Mainpuri 765(UP) ckt-2 tripped on B-N fault; As per PMU data, B-N fault and fault again observed during auto reclosing.			GI-2	0.00
22	NR	1) 800kV HVDC Champa(PG)-Kurukshehra(PG)-1 2) 800kV HVDC Champa(PG)-Kurukshehra(PG)-2	POWERGRID	19-May-18	21:47	19-May-18	22:22	00:35	800kV HVDC Champa-Kurukshehra bipole tripped on Converter differential protection from kurukshehra end; Similar incident occurred on 18.05.18 & bipole tripped due to Controlling filter block alarm at Champa.			GI-2	0.00
23	NR	1) 220 kV Bus 1 Pong(BBMB) 2) Unit #1 at Pong(BBMB) 3) 220 kV Pong(BBMB)-Dasuya ckt-3 4) 220 kV Pong(BBMB)-Jalandhar(PG) ckt-1 5) 220 kV Pong(BBMB)-Bairasuil(NHPC) 6) 220 kV Pong(BBMB)-Jasor(HP) 7) Unit #3 at Pong(BBMB)	BBMB/ Punjab/ NHPC/ POWERGRID	22-May-18	23:15	23-May-18	00:08	00:53	B-phase CT of unit-3 connected through 220kV Bus-1 of Pong HEP bursted and it resulted into bus bar protection operation at 220kV Pong HEP. 220kV Unit#3 & 5 of Pong HEP and 220 kV Pong-Dasuya ckt-3, 220 kV Pong-Jalandhar ckt-1, 220 kV Pong-Bairasuil ckt tripped on bus bar protection operation. 220kV Pong-Jasor ckt also tripped from Jasor end. As per PMU data, B-N Fault observed.	100		GD-1	0.00

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				Date	Time	Date	Time	Time					
24	NR	1) 765kV Moga(PG)-Bhiwani(PG) 2) 765/400kV ICT 1 at Moga(PG) 3) 765/400kV ICT 2 at Moga(PG)	POWERGRID	23-May-18	13:23	23-May-18	14:21	00:58	765kV Moga(PG)-Bhiwani(PG) tripped on B-N fault. Line finally tripped after auto reclosing due to persistent fault in the line. Both 765/400kV ICTs at Moga(PG) also tripped due to mal-operation of SPR (Sudden Pressure Relay) . As per PMU data, B-N fault observed with unsuccessful auto-reclosing.	0		GI-2	0.00
25	NR	1) 220kV Pampore(JK)-Wagoora(PG) ckt-1 2) 220kV Pampore(JK)-Wagoora(PG) ckt-2 3) 220kV Kishenpur(PG)-Mirbazar(JK)	POWERGRID/ PDDJK	24-May-18	14:15	24-May-18	14:30	00:15	220kV Pampore(JK)-Wagoora(PG) 1 & 2 tripped on phase to earth fault. 220kV Kishenpur(PG)-Mirbazar(JK) also tripped at the same time. As per PMU data, R-N fault and delayed clearance of fault observed.	350		GD-1	0.09
26	NR	1) 400kV Ajmer(Raj)-Didwana(Raj) 2) 315MVA ICT 1 Ajmer(Raj) 3) 315MVA ICT 3 Ajmer(Raj)	Rajasthan	24-May-18	16:55	24-May-18	17:32	00:37	Multiple elements at 400kV Ajmer(RRVNLL) tripped due to operation of Bus bar protection at during protection testing of Bay no 405T.			GI-2	
27	NR	1) 800kV HVDC Champa(PG)-Kurukshehra(PG)-1 2) 800kV HVDC Champa(PG)-Kurukshehra(PG)-2	POWERGRID	24-May-18	17:19	24-May-18	18:05	00:46	800kV HVDC Champa-Kurukshehra bipole tripped on DC line fault. As per PMU, fluctuation observed in the phase voltages.			GI-2	
28	NR	1) 400 kV Orai 400(UP)-Orai 765(PG) ckt-1 2) 400 kV Orai 400(UP)-Orai 765(PG) ckt-2 3) 400 kV Mainpuri(PG)-Orai(UP) ckt-1 4) 400 kV Orai(UP)-ParichaTPS(UP) ckt-1	POWERGRID/ UP	24-May-18	17:50	24-May-18	20:34	02:44	400 kV Orai 400(UP)-Orai 765(PG) 1 tripped on R-N fault, 400 kV Orai 400(UP)-Orai 765(PG) 2 also tripped at same time. 400 kV Mainpuri(PG)-Orai(UP)-1 & 400 kV Orai(UP)-ParichaTPS(UP)-1 tripped at 1755 hrs during storm.			GI-2	
29	NR	1) 400 kV Uri II(NHPC)-Uri II(NHPC) 2) 400 kV Uri II(NHPC)-Wagoora(PG) 3) Unit #1 at Uri II(NHPC) 4) Unit #2 at Uri II(NHPC) 5) Unit #3 at Uri II(NHPC) 6) Unit #4 at Uri II(NHPC)	POWERGRID/ NHPC	26-May-18	13:55	26-May-18	15:16	01:21	400 kV Uri II(NHPC)-Uri II(NHPC), 400 kV Uri II(NHPC)-Wagoora(PG) tripped on R-N fault, subsequently all four units at 400 kV Uri II(NHPC) tripped due to evacuation constraints.	240		GD-1	0.00
30	NR	1) 220kV Bamnauli-Dwarka (Papankalan-1) ckt-1 2) 220kV Bamnauli-Dwarka (Papankalan-1) ckt-2	DTL	27-May-18	07:25	27-May-18	07:50	00:25	Due to PT blast of 220 kV Bus 2 at Papankalan 1, 220kV Papankalan-I-Bamnauli-1,2 and 220kV Papankalan-I-Papankalan-III ckt tripped. As per PMU, 3 phase fault observed.	250		GD-1	0.10
31	NR	1) 220kV Bus-Bar-1 Panipat(BBMB) 2) 400/220kV ICT#1 at Panipat(BBMB)	BBMB/ POWERGRID	27-May-18	07:39	27-May-18	08:21	00:42	Y-phase CVT of 220kV Panipat(BBMB)-Kurukshehra ckt blasted resulted in bus bar protection operated for bus-1. All elements connected to Bus-1 tripped.			GI-2	
32	NR	1) 400 kV Jodhpur(Raj)-Merta(Raj) ckt-1 2) 400 kV Bikaner(Raj)-Merta(Raj)	Rajasthan	27-May-18	14:20	27-May-18	14:54	00:34	400 kV Jodhpur(Raj)-Merta(Raj) 1 tripped on B-N fault at a distance of 79 Km from Jodhpur. 400 kV Bikaner(Raj)-Merta(Raj) also tripped at same time.			GI-2	
33	NR	1) Unit #2 at Parichha(TPS)(UP) 2) Unit #3 at Parichha(TPS)(UP) 3) Unit #5 at Parichha(TPS)(UP) 4) Unit #6 at Parichha(TPS)(UP)	UP	27-May-18	21:56	28-May-18	02:20	04:24	At Paricha TPS, B-phase CT of bus-A of bus coupler damaged. Bus fault occurred resulted in complete outage of station. As per PMU, delayed fault clearance observed.	700		GD-1	0.00
34	NR	1) 220 kV Bairasiul(NHPC)-Jassor(HP) 2) 220kV Jassor(HP)-Pong(BBMB)	BBMB/ HP/ NHPC	28-May-18	14:09	28-May-18	14:35	00:26	B-N fault occurred on 220 kV Bairasiul(NHPC)-Jassor(HP) & Y-N fault occurred on 220kV Jassor(HP)-Pong(BBMB) resulted in tripping of both lines. As per PMU, B-N fault followed by Y-N fault observed.			GI-1	
35	NR	1) 400 kV Obra(UP)-Rewa Road(UP) 2) 400 kV Obra(UP)-Sultanpur(UP) 3) Unit #9 at Obra TPS(UP) 4) Unit #10 at Obra TPS(UP) 5) Unit #11 at Obra TPS(UP) 6) Unit #1 at Anpara TPS(UP) 7) Unit #3 at Anpara TPS(UP)	UP	28-May-18	22:25	29-May-18	00:20	01:55	At 21:28hrs 400kV Aapara-Obra line tripped on R-phase to earth fault. All three phase of the line tripped from Anpara end however Y&B-phase stucked at Obra end. At 22:25hrs, on the instruction of Obra end, Anpara end isolator for 400kV Anpara-Obra line opened and earth switch closed. It resulted into Y&B-phase to earth fault as dead short ckt at Anpara TPS. It resulted into widespread fire in 400kV Bay of Anpara-Obra line at Anpara end and operation of bus bar protection. Breaker at Onra end didn't open till now. Finally at Obra end also all the connected 400kV elements tripped along with running units of Obra TPS. (Multiple element tripping occurred at Obra and Anpara TPS on bus bar protection).	850	250	GD-1	0.50

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 Unservd (in MU)
				Date	Time	Date	Time	Time					
36	NR	1) 400 kV Chamera II(NHPC)-Chamera pool(PG) 2) 400 kV Chamera II(NHPC)-Kishenpur(PG) 3) Unit#1 at 400kV Chamera II(NHPC) 4) 400kV Bus 2 at Chamera II(NHPC)	NHPC/ POWERGRID	29-May-18	10:06	29-May-18	17:39	07:33	Bus Bar -2 Protection Operated at 400kV Chamera II(NHPC) leading to tripping of Unit#1 at 400kV Chamera II(NHPC), 400 kV Chamera II(NHPC)-Chamera pool(PG) & 400 kV Chamera II(NHPC)-Kishenpur(PG) carrying 12 MW & 33 MW respectively. As per PMU, fluctuation observed in phase voltages.	100		GD-1	0.00
37	NR	1) Unit#1 at 400 kV Dulhasti HEP(NHPC) 2) Unit#2 at 400 kV Dulhasti HEP(NHPC) 3) Unit#3 at 400 kV Dulhasti HEP(NHPC) 4) 400kV Kishenpur (PG)-Dulhasti (NHPC) ckt-1	NHPC/ POWERGRID	29-May-18	13:14	29-May-18	13:30	00:16	Unit#1, Unit#2 & Unit#3 at 400 kV Dulhasti HEP(NHPC) tripped on over speed relay operation suspectedly due to evacuation constraint. As per PMU, fluctuations observed in the phase voltages.	380		GD-1	0.00
38	NR	1) 400kV Kala Amb(PKATL)-Karchamwangtoo(HBPCL)-1 2) 400 kV Abdullapur(PG)-Kala Amb(PKATL) ckt-1 3) 400 kV Abdullapur(PG)-Kala Amb(PKATL) ckt-2	PKATL/ JSW/ HP/ POWERGRID	29-May-18	13:30	29-May-18	13:55	00:25	400kV Kala Amb(PKATL)-Karcham(HBPCL) 1 tripped on Y-B fault, at the same time 400 kV Abdullapur(PG)-Kala Amb(PKATL) 1 & 2 also tripped.			GI-2	
39	NR	1) 400kV Koldam(NTPC)-Parbati Pool(PG) 2) 400 kV Nallagarh(PG)-Parbati Pool(PG)	PKTCL/NTPC/ POWERGRID	29-May-18	15:49	29-May-18	15:59	00:10	As reported, 400kV Koldam(NTPC)-Parbati Pool(PG) & 400 kV Nallagarh(PG)-Parbati Pool(PG) tripped on R-N fault. As per PMU, R-N fault observed with no auto-reclosing.			GI-2	
40	NR	1) Unit #1 at Tehri HPS 2) Unit #2 at Tehri HPS 3) Unit #4 at Tehri HPS 4) 400kV Koteswar(THDC)-Koteswar pool(PG) ckt-1 5) 400kV Tehri(THDC)-Koteswar pool(PG) ckt-1 6) 400kV Tehri(THDC)-Koteswar pool(PG) ckt-2	THDC/ POWERGRID	29-May-18	19:18	29-May-18	19:31	00:13	Due to LBB operation at 400 kV Tehri-HPS, Unit#1, Unit#2 & Unit#4 at Tehri HPS tripped(Generation loss=390 MW). At 1916 Hrs Koteswar-Koteswar pool 1 tripped leading to generation loss of 200 MW at Koteswar. As per PMU, fluctuations observed in the phase voltages.	590		GD-1	0.00
41	NR	1) 400 kV Anpara(UP)-Singrauli(NTPC) ckt 2) 400 kV Lucknow(UP)-Singrauli(NTPC) ckt 3) 400 kV Allahabad(PG)-Singrauli(NTPC) ckt-1	UP/ NTPC/ POWERGRID	30-May-18	19:40	30-May-18	19:59	00:19	R-N fault occurred. 400kV Anpara-Singrauli and 400kV Lucknow-Singrauli & 400kV Allahabad-Singrauli ckt-1 tripped. At 19:50hrs, 400kV Allahabad-Singrauli also tripped on B-N fault.			GI-2	
42	NR	1) 400kV Parbati(2) (NHPC) - Sainj (HPPCL) ckt-1 2) 400kV Parbati pool (PG) - Parbati(2)(NHPC) ckt	HP/ NHPC/ POWERGRID	31-May-18	20:01	31-May-18	20:46	00:45	R-N fault occurred. 400kV Parbati pool (PG) - Parbati(2) HEP(NHPC) and 400 kV Parbati(2) HEP(NHPC) - Sainj HEP(HPPCL) ckt-1 tripped.			GI-2	

Major Grid Events for May, 2018_Western Region

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 Unserved (MU)
				Date	Time	Date	Time						
1	WR	Tripping of 1.220/132 kV 160 MVA Urla ICT 1 2.220/132 kV 160 MVA Urla ICT 2 3.220/132 kV 160 MVA Urla ICT 3 4.All 132 kV lines at Urla	CSPTCL	1-May-18	16:28	1-May-18	16:55	00:27	132 kV Bus bar protection operated at 220 kV Urla substation resulted in tripping of all the elements connected to the 132 kV Bus.	Nil	395	GI-1	0.18
2	WR	Tripping of 1.400 kV Khaparkeda-Koradi D/C 2.400 kV Khaparkeda-Chandrapur 3.400/220 kV 500 MVA Khaparkeda ICT 1&2 4.500 MW Khaparkeda Unit 5	MSEGCL	1-May-18	20:21	1-May-18	22:25	02:04	400 kV side CT of ICT 2 blasted resulting in tripping of all the 400 kV elements connected in both 400 kV Buses 1 and 2	350	Nil	GI-2	Nil
3	WR	Tripping of 1.400 kV Marwa-Bhilai 2.400 kV Marwa-Korba(W) 3.500 MW Marwa Unit 2	CSPTCL	2-May-18	08:48	2-May-18	10:22	01:34	While opening 400 kV Marwa-Raita 1 on planned outage, LBB operated at Marwa substation and all the elements connected to the 400 kV Bus 2 tripped.	450	Nil	GI-2	Nil
4	WR	Tripping of 1.220/132 kV 160 MVA Barwaha ICT 1 2.220/132 kV 160 MVA Barwaha ICT 2	MPPTCL	3-May-18	17:21	3-May-18	17:35	00:14	B-phase CT blast at 132kV Burawaha S/S on 132kV Burwaha-Sanawat resulting in tripping of both 220/132kV ICTs at Burwaha	Nil	42	GI-1	0.01
5	WR	Tripping of 1.800 kV HVDC Champa-Khurukshehra Pole 1 2.800 kV HVDC Champa-Khurukshehra Pole 2	PGCIL	5-May-18	13:15	5-May-18	16:28	03:13	Champa Kurukshetra Bipole tripped due to auxiliary supply failure at Champa end.	Nil	Nil	GI-2	Nil
6	WR	Tripping of 1.800 kV HVDC Champa-Khurukshehra Pole 1 2.800 kV HVDC Champa-Khurukshehra Pole 2	PGCIL	7-May-18	04:22	7-May-18	04:47	00:25	Champa Kurukshetra Bipole tripped on Metallic return Line Differential Protection operation.	Nil	Nil	GI-2	Nil
7	WR	Tripping of 1.220/132 kV 100 MVA Dondaicha ICT 1&2 2.All 132 kV lines at Dondaicha S/s	MSETCL	10-May-18	14:51	10-May-18	15:21	00:30	At 132 KV Nandurbar substation 33 kV Nadurbar Feeder Y Ph Jumper of line isolator broke but feeder breaker did not trip. At 220 kV Dondaicha S/S all 132 kV lines and 220/132 kV 100 MVA ICT-I & II LVs tripped on LBB operation.	Nil	67	GI-1	0.03
8	WR	Tripping of 1.220/132 kV 160 MVA Sidhi ICT 1&2 2.220 kV Sidhi-Amarkantak 3.220 kV Sidhi-Rewa 4.132KV Sidhi-Sidhi D/C 5.132KV Sidhi-Mauganj 6.132KV Sidhi-Deosar D/C 7.132KV Sidhi-Pahadiya 8.220KV Rewa-SGTPS 9.220KV Rewa-TONS	MPPTCL	12-May-18	12:36	12-May-18	13:14	00:38	220kV Rewa-Sidhi and Amarkantak -Sidhi tripped on fault. Since the incoming feeders tripped at 220 kV sidhi substation, the substation got blacked out.	Nil	187	GD-1	0.12

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 Unserved (MU)
				Date	Time	Date	Time	Time					
9	WR	Tripping of 1.400 kV JP Bina-Bina(PG) 2.400 kV JP Bina-Bina(MP) 3.250 MW JP Bina Unit 1 4.250 MW JP Bina Unit 2 5.400 kV Bina(MP)-Bhopal 2 6.220 kV Bina(MP)-Gwalior(MP) 1	MPPTCL/ PGCIL	13-May-18	21:09	13-May-18	22:05	00:56	JP Bina 250 MW units 1&2 tripped due to loss of evacuation lines. Heavy rain and storm were reported in that area. At the same time due to fire at Bina(MP), 400 kV Bhopal 2 and 220 kV Gwalior(MP) 1 also tripped.	309	Nil	GD-1	Nil
10	WR	Tripping of 1.800 kV HVDC Champa-Khurukshetra Pole 1 2.800 kV HVDC Champa-Khurukshetra Pole 2	PGCIL	18-May-18	06:38	18-May-18	07:43	01:05	Champa Kurukshetra Bipole tripped due to filter block control alarm at Champa end.	Nil	Nil	GI-2	Nil
11	WR	Tripping of 1.800 kV HVDC Champa-Khurukshetra Pole 1 2.800 kV HVDC Champa-Khurukshetra Pole 2	PGCIL	19-May-18	21:45	19-May-18	22:22	00:37	Champa Kurukshetra Bipole tripped on Converter differential protection in Lane-1 at Kurukshetra end	Nil	Nil	GI-2	Nil
12	WR	Tripping of 1.220/132 kV 100 MVA Belwandi ICT 1 2.132 kV Bus sectionalizer 3.132 kV Belwandi-Shrigonda	MSETCL	21-May-18	21:34	21-May-18	22:20	00:46	132 Kv Bus Section -I side Y ph PT Burst and caught fire at 220 kV Belwandi substation. 132 KV Bus Bar protection DC supply failed & Bus bar protection did not operate. Therefore 220/132 kV 100 MVA ICT -1 & Bus sectionliser tripped on backup protection.	Nil	Nil	GI-1	Nil
13	WR	Tripping of 1. 220/132KV 200 MVA Satana ICT-1 2. 220/132KV 150 MVA Satana ICT-2 3.132KV Satana-Taharabad D/C 4.132KV Satana-Bhendi (Kalwan) 5.132/33 kV 50 MVA Satana ICT 1&2 6.132/33 kV 25 MVA Satana ICT 3	MSETCL	24-May-18	00:52	24-May-18	01:30	00:38	B-ph CT of 132kV Satana-Taharabad-2 burst and caught fire.132kV BB Protection Operated at 220 kV Satana substation.	Nil	39.7	GI-1	0.03
14	WR	Tripping of 1.800 kV HVDC Champa-Khurukshetra Pole 1 2.800 kV HVDC Champa-Khurukshetra Pole 2	PGCIL	24-May-18	17:19	24-May-18	18:05	00:46	Champa Kurukshetra Bipole tripped due to DC Line fault in Pole-2 and pole -1 blocked on MRLD protection in DMR2.	Nil	Nil	GI-2	Nil
15	WR	Tripping of 1.OSP-Nirman tap Barwaha 2.OSP-Barwaha 3.OSP-Juluwaniya 4.OSP-Khandwa 5.OSP-Chhagaon	NHDC/M PPTCL	26-May-18	17:49	26-May-18	18:23	00:34	All the 220 kV lines at Omkareshwar Power station tripped due to LBB operation.	174	Nil	GD-1	Nil
16	WR	Tripping of 1.400/220 kV 315 MVA ICT 1 2.400/220 kV 500 MVA ICT 2 3.400 kV Itarsi-Bhopal 2 4.220 kV Itarsi-Hosangabad 2 5.220 kV Itarsi-Itarsi(MP) D/C	PGCIL	31-May-18	15:05	31-May-18	16:11	01:06	400 kV 125 MVAR Itarsi BR 1&2 were opened on Voltage regulation at 15:05 Hrs. At the same time all the 220 kV elements tripped along with the 400 kV Itarsi-Bhopal 2.	Nil	Nil	GI-2	Nil

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

Major Grid Events for May, 2018_Southern Region

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 (MU)
				Date	Time	Date	Time	Time					
1	SR	1. 220kV Kadra - Kodalalli 220kV Kadra - Kaiga 3. 220kV Kadra-Karwar Ckt-1&2	2. Karnataka (KPCL)	10-May-18	21:54	11-May-18	02:46	4 hr 52 mins	Complete outage of 220kV Kadra Station: Triggering incident was snapping of tower earth guard conductor at 220kV bus at unit bay side. Bus bar protection operated resulting in complete outage of 220kV Kadra station. 220kV Kadra station was on single bus operation.	---	---	GD-1	---
2	SR	1. 400kV Kalikiri - RTPP ckt-1 2. 400kV Kalikiri - Chittoor Ckt-1 400kV Kalikiri - Chittoor Ckt-2	3. APTRANSCO	11-May-18	16:08	11-May-18	16:22	14 mins	Complete outage of 400kV Kalikiri and 400kV RYTPP station: Triggering incident was R-N fault in 400kV RTPP- Kalikiri Ckt-1. Auto reclose(AR) was successful at Kalikiri end but didn't operate at RTPP end. This led to tripping of running unit at RYTPP due to tripping of evacuating line and complete outage of RYTPP. At the same time 400kV Chittoor-Kalikiri line 1&2 got tripped from Chittoor end on operation of Z3 (maloperation) resulting in loss of supply to Kalikiri station.	318	---	GD-1	---
3	SR	1. 400kV Kalikiri - RTPP ckt-1 2. 400kV Kalikiri - Chittoor Ckt-1 400kV Kalikiri - Chittoor Ckt-2	3. APTRANSCO	13-May-18	15:24	13-May-18	17:27	2 hr 3 mins	Complete outage of 400kV Kalikiri and 400kV RYTPP station: Triggering incident was R-N fault in 400kV RTPP- Kalikiri Ckt-1. Auto reclose(AR) was unsuccessful at Kalikiri end. This led to tripping of running unit at RYTPP due to tripping of evacuating line and complete outage of RYTPP. At the same time 400kV Chittoor-Kalikiri line 1&2 got tripped from Chittoor end on operation of Z3 (maloperation) resulting in loss of supply to Kalikiri station.	293	---	GD-1	---
4	SR	1. 220kV Villianur- Neyveli 2. 220kV Villianur - Pondicherry	PONDICHERRY	30-May-18	08:40	30-May-18	09:49	1 hr 9 mins	Complete outage of 220kV Villianur station: Triggering incident was failure of R-Phase CT of 230kV/110kV of ICT -2 at 230kV Villianur station. 230 kV Neyveli - Villanur and 230kV Pondy - Villianur lines tripped from Neyveli end and Pondycherry end respectively.This led to loss of supply to 230kV Villianur station. Fault was observed to have got cleared in 350msecs approximately.	---	130	GD-1	0.13
5	SR	1. 220kV Guttur - Neelagunda 220kV Guttur- Davenagere ckt-1,2 & 3 Guttur- Chitradurga 4. 220kV Guttur- Haveri ckt-1 & 2 Guttur - Ranibennur 6. 220kV Guttur - Wish Wind 7. 400/220kV ICT-1&2	2. 3. 220kV 5. 220kV KPTCL	26-May-18	00:41	26-May-18	02:24	1 hr 43 mins	Complete outage of 220kV Guttur station: Triggering incident was failure of rigid bus of isolator of 220kV Guttur -Haveri line-1 at 220kV Guttur end. This resulted in bus fault and 220kV Bus bar protection operated resulting in the tripping of all elements connected to 220kV Guttur Bus-1. This resulted in the complete outage of 220kV Guttur station, as 220kV Guttur was on single bus operation.	---	---	GI-1	---

Major Grid Events for May, 2018_Eastern Region

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	Energy Unserved (MU)
				Date	Time	Date	Time						
1	ERLDC	220 kV Gaya - Bodhgaya D/C	BSPTCL	8-May-18	20:38	8-May-18	21:01	00:23	At 20:38 hrs, HV side CT in B phase connected to 150 MVA ICT-II blasted, leading to a suspected bus bar protection operation at 220 KV Main bus and subsequent voltage loss at Bodhgaya.	0	310	GD-I	0.1188
2	ERLDC	400 kV Andal - RTPS D/C 400 kV Andal Jamshedpur D/C	ISTS	10-May-18	06:11	10-May-18	07:42	01:31	At 06:11 hrs, 400 kV Andal - RTPS D/C and 400 kV Andal Jamshedpur D/C tripped resulting total power failure at Andal S/S	900	0	GD-I	0.0000
3	ERLDC	220 kV Muzaffarpur - Hazipur - I 400/220 kV ICT - I & II at Muzaffarpur 220/132 kV ICT at Muzaffarpur 220 kV Muzaffarpur - MTPS - I 220 kV bus I at Muzaffarpur	BSPTCL	11-May-18	18:38	11-May-18	19:24	00:46	220 kV Muzaffarpur - Hazipur - II was under shutdown. At 18:38 hrs 220 kV bus I at Muzaffarpur tripped resulting outage of 220 kV Muzaffarpur - Hazipur - I, 400/220 kV ICT - I & II at Muzaffarpur, 220/132 kV ICT at Muzaffarpur and 220 kV Muzaffarpur - MTPS - I. Though other elements are in service at 220 kV level of Muzaffarpur, both the incoming feeders of Hazipur S/S tripped resulting total power failure at Hazipur, Chapra, Jandaha. Interruption of supply of power occurred at Dhalkebar due to tripping of 220/132 kV ICT at Muzaffarpur.	0	240	GD-I	0.1840
4	ERLDC	220 kV Farakka Lalmatia S/C 132 kV KhSTPP(B)-Lalmatia S/C 132 kV KhSTPP (NTPC) - Lalmatia S/C	JUSNL	14-May-18	03:25	14-May-18	06:37	03:12	220 kv Farakka - Lalmatia T/L tripped at 03:25 hrs from Farakka end on overcurrent relay operation. . At the same time 132 KV Kahalgaon (NTPC) - Lalmatia T/L tripped and following relay appeared :- E/F zone 1 fault location 28.35 mt. ,IA=2.844 Kamp , Ib= 699.5 A , Ic= 927.8 A. 132 Kv Kahalgaon (BSPTCL)- Lalmatia (Sahebgunj) T/L also tripped at 03:17 hrs. Bursting of R-Phase bushing of 20 MVA Transformer H.V side. occurred during the on-going adverse weather at Lalmatia complex	0	83	0	0.2656
5	ERLDC	220 KV Jeypore -Jaynagar D/C 220/132 kV ATR I & II AT Jeypore 220 kV Jaynagar - U. Kolab D/C 220 kV U. Kolab - Theruvali S/C 220 kV Jaynagar - Balimela T/C 220 kV Jayanagar - Laxmipur D/C	OPTCL	25-May-18	16:30	25-May-18	17:00	00:30	At 16:30 Hrs R ph LA blasted in 220 KV Jaynagar-Laxmipur ckt I at Jaynagar yard, which led to remote end tripping of some 220 KV ckts and backup overcurrent/reverse zone clearing of some ckts from Jaynagar end. As a result, 220 KV Jaynagar substation became dead and due to loss in evacuation paths,160 MW in Upper Kolab(unit 1 and 3) and 268 MW in Balimela(Unit 3,4,5,6,7,8) tripped.	428	98	GD-I	0.0490
6	ERLDC	220 kV Gaya - Bodhgaya D/C	BSPTCL	26-May-18	12:06	26-May-18	12:28	00:22	At BODHGAYA GSS, Total power failed after tripping of both 220 KV Gaya(PG)-Bodhgaya ckt-1 and 2 at 12:06 Hrs from Gaya (PG) end. There was no any tripping at GSS Bodhgaya end.	0	248	GD-I	0.0909
7	ERLDC	220 kV Gaya - Bodhgaya D/C from PG end only	BSPTCL	28-May-18	21:41	28-May-18	22:01	00:20	220 KV Gaya Bodhgaya d/c tripped from Gaya(PG) end only on 3-Ph Fault, zone III . Actually fault was in 220 KV Bodhgaya-Khizersarai-I line. During anti-theft charging of the said line 220 KV Gaya Bodhgaya d/c tripped from Gaya(PG) end. Fault was not cleared by Boghgaya.	0	205	GD-I	0.0683

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	Energy Unserved (MU)
				Date	Time	Date	Time	Time					
8	ERLDC	400KV MAIN BUS-I AT MALDA(PG) 400KV MAIN BUS-II AT MALDA(PG) 400KV MALDA(PG)-NEW PURNEA-I 400KV FSTPP-MALDA(PG)-I 400KV FSTPP-MALDA(PG)-II 315MVA ICT-3 AT MALDA(PG) 315MVA ICT-5 AT MALDA(PG) 220KV KISHANGANJ-DALKHOLA (PG)-I 220KV KISHANGANJ-DALKHOLA (PG)-II 220KV NEW PURNEA-PURNEA-I 220KV NEW PURNEA-PURNEA-II B/C at Dalkhola	WBSETCL & BSPTCL	28-May-18	19:04	28-May-18	19:48	00:44	At 19:04 hrs R-N fault took place in 400 KV Malda-Purnea-2 line and during A/R attempt Bus bar protection operated at Malda 400 KV and all the element tripped. Then Dalkhola B/C tripped in O/C and 220 kV Purnea-Purnea D/C and 220 kV Kishangunj-Dalkhola D/C tripped in DEF leading to wide spread blackout at Malda,Dalkhola and Purnea	0	410	GD-I	0.3007
9	ERLDC	220 kV Ranchi - Hatia D/C 220 kV Hatia - Patratu D/c	ISTS	30-May-18	18:22	31-May-18	00:00	05:38	220 kV Ranchi - Hatia D/C tripped in R-B fault at 18:22 hrs. At same time 220 kV Hatia - Patratu D/C tripped on overreaching the fault resulting interruption of power at 220/132 kV Hatia S/S and its surrounding areas	0	60	GD-I	0.3380
10	ERLDC	400 kV Sasaram - Daltongunj D/C	ISTS	31-May-18	18:43	1-Jun-18	00:00	05:17	Total power failure occurred at Daltongunj after tripping of 400 kV Sasaram - Daltongunj D/C at 18:43 hrs on R-N and B-N fault respectively.	0	30	GD-I	0.1585

Major Grid Events for May, 2018_NER

Sl. No.	Region	Name of Element	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Category as per CEA Grid Standards	Energy Unreserved (MU)
				Date	Time	Date	Time						
1	NER	132 kV Mokokchung (PG) - Mokokchung (DoP, Nagaland) 1&2 Lines	POWERGRID	02-May-2018	13:41:00	02-May-2018	13:54:00	00:13	Mokokchung area of Nagaland Power System was connected with rest of NER Grid through 132 kV Mokokchung (DoP, Nagaland) - Mokokchung (PG) I & II lines. 132 kV Doyang - Mokokchung(DoP, Nagaland) line was under shutdown since 12:42 Hrs on 02.05.2018, 132 kV Mokokchung(DoP, Nagaland)-Mariani(AS) is under long outage & 66 kV Tuensang - Kiphire line kept open for system requirement. At 13:41 Hrs on 02.05.2018, 132 kV Mokokchung (DoP, Nagaland) - Mokokchung (PG) I & II lines tripped. Due to tripping of these elements, Mokokchung area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	16	GD-I	0.003
2	NER	132 kV Dimapur (PG) - Kohima (DoP, Nagaland) Line	POWERGRID & DoP, Nagaland	02-May-2018	14:24:00	02-May-2018	15:00:00	00:36	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) & 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 14:24 Hrs on 02.05.2018, 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	18	GD-I	0.011
3	NER	132 kV Hailakandi - Dullavchera 1 Line & 132 kV Dharmanagar - Dullavchera 1 Line	MSPCL	04-May-2018	12:01:00	04-May-2018	12:15:00	00:14	Dullavchera area of Assam Power System was connected with rest of NER Grid through 132 kV Dullavchera - Dharmanagar line & 132 kV Dullavchera - Hailakandi line. At 12:01 Hrs on 04.05.2018, 132 kV Dullavchera - Dharmanagar line & 132 kV Dullavchera - Hailakandi line tripped. Due to tripping of these elements, Dullavchera area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	13	GD-I	0.003
4	NER	132 kV Mokokchung (PG) - Mokokchung (DoP, Nagaland) 1&2 Lines and 132 kV Doyang - Mokokchung (DoP, Nagaland) 1 Line	NEEPCO & DoP, AP	06-May-2018	10:07:00	06-May-2018	10:43:00	00:36	Mokokchung area of Nagaland Power System was connected with rest of NER Grid through 132 kV Doyang - Mokokchung (DoP, Nagaland) line and 132 kV Mokokchung (DoP, Nagaland) - Mokokchung (PG) I & II lines. 132 kV Mokokchung(DoP, Nagaland)-Mariani(AS) is under long outage & 66 kV Tuensang-Likimro line kept open for system requirement. At 10:07 Hrs on 06.05.2018, 132 kV Doyang-Mokokchung (DoP, Nagaland) line and 132 kV Mokokchung (DoP, Nagaland)-Mokokchung (PG) I & II lines tripped. Due to tripping of these elements, Mokokchung area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	17	GD-I	0.010
5	NER	132 kV Mokokchung (PG) - Mokokchung (DoP, Nagaland) 1&2 Lines and 132 kV Doyang - Mokokchung (DoP, Nagaland) 1 Line	NEEPCO & DoP, AP	06-May-2018	12:13:00	06-May-2018	12:30:00	00:17	Mokokchung area of Nagaland was connected with rest of NER Grid through 132 kV Doyang - Mokokchung (DoP, Nagaland) line and 132 kV Mokokchung (DoP, Nagaland) - Mokokchung (PG) I & II lines. 132 kV Mokokchung(DoP, Nagaland)-Mariani(AS) is under long outage & 66 kV Tuensang-Likimro line kept open for system requirement. At 12:13 Hrs on 06.05.2018, 132 kV Doyang-Mokokchung (DoP, Nagaland) line and 132 kV Mokokchung (DoP, Nagaland)-Mokokchung (PG) I & II lines tripped. Due to tripping of these elements, Mokokchung area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	15	GD-I	0.008
6	NER	132 kV Khliehriat (MePTCL) - Khliehriat (PG) 1&2 Lines, 132 kV NEHU - Mawlai Line and 132 kV NEHU - Umiam Line	POWERGRID & MePTCL	09-May-2018	08:48:00	09-May-2018	09:18:00	00:30	Khliehriat area of Meghalaya was connected with rest of NER Grid through 132 kV Khliehriat (PG) - Khliehriat (MePTCL) I & II lines, 132 kV NEHU-Umiam line & 132 kV NEHU-Mawlai line . (132 kV Panchgram-Lumnsnong line kept open for facilitating SPS-1). At 08:48 Hrs on 09.05.2018,132 kV Khliehriat (PG)-Khliehriat (MePTCL) I & II lines, 132 kV NEHU-Umiam line & 132 kV NEHU-Mawlai 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 in this area.	6	14	GD-I	0.007
7	NER	132 kV Dimapur (PG) - Dimapur (Nagaland) 1&2 Lines	DoP Nagaland	09-May-2018	12:36:00	09-May-2018	12:53:00	00:17	Dimapur area of Nagaland was connected with rest of NER Grid through 132 kV Dimapur (PG)-Dimapur (NA) I & II lines. At 12:36 Hr on 09.05.18, 132 kV Dimapur (PG)-Dimapur (NA) I & II lines tripped. Due to tripping of these elements, Dimapur area was separated from rest of NER Grid and subsequently collapsed due to no source in this area	0	52	GD-I	0.015
8	NER	132 kV Loktak - Ningthoukhong Line	MSPCL	09-May-2018	13:28:00	09-May-2018	14:06	00:38	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 for overloading of 132 kV Loktak-Ningthoukhong line). At 13:28 Hrs on 09.05.2018, 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	GD-I	0.014

Sl. No.	Region	Name of Element	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Category as per CEA Grid Standards	Energy Unreserved (MU)
				Date	Time	Date	Time						
9	NER	132 kV Dimapur (PG) - Kohima (DoP, Nagaland) 1 Line	POWERGRID & DoP Nagaland	09-May-2018	16:08:00	09-May-2018	16:30:00	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, 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) & 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 16:08 Hrs on 09.05.2018, 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	14	GD-I	0.006
10	NER	132 kV Melriat - Zungtui 1 Line	POWERGRID	09-May-2018	13:25	09-May-2018	13:42:00	00:17	Zuangtui area of Mizoram Power System was connected with rest of NER Grid through 132 kV Melriat - Zuangtui Line. At 13:25 Hrs on 09.05.2018, 132 kV Melriat - Zuangtui Line tripped. Due to tripping of this element, Zungtui area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	24	GD-I	0.007
11	NER	132 kV Agartala - Rokhia 1 & 2 Lines. 132 kV Monarchak - Udaipur	TSECL	10-May-2018	12:04	10-May-2018	12:24:00	00:20	Monarchak Power Station & Rokhia area and Rabindranagar area of Tripura Power System were connected with rest of NER Grid through 132 kV Agartala - Rokhia 1&2 Lines and 132 kV Udaipur - Monarchak Line (66 kV Rokhia - Rabindranagar line and 132 kV Udaipur - Bagafa line and 132 kV Rokhia - Boxanagar line tripped at 12:04 Hrs on 10.05.18). At 12:04 Hrs on 10.05.2018, 132 kV Agartala - Rokhia 1&2 Lines and 132 kV Udaipur - Monarchak Line tripped. Due to tripping of these elements, Monarchak Power Station, Rokhia area and Rabindranagar area were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch.	93	28	GD-I	0.009
12	NER	132 kV Aizawl - Jiribam Line	POWERGRID	10-May-2018	14:23:00	10-May-2018	14:40:00	00:17	Mizoram Power System (except Kolasib area) was connected with rest of NER Grid through 132 kV Aizawl - Jiribam Line. (132 kV Aizawl - Kolasib Line was tripped at 13:53 Hrs and 132 kV Aizawl - Kumarghat Line tripped at 14:23 Hrs on 10.05.18). At 14:23 Hrs on 05.05.2018, 132 kV Aizawl - Jiribam Line tripped. Due to tripping of this element, Mizoram Power System (except Kolasib area) was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	24	GD-I	0.008
13	NER	132 kV Ranganadi - Pare Line	POWERGRID	11-May-2018	11:09:00	11-May-2018	11:26:00	00:17	Pare Power Station, Capital area of Arunachal Pradesh Power System and Gohpur area of Assam Power System were connected with rest of NER Grid through 132 kV Ranganadi - Pare line. Bus Coupler CB of Gohpur kept open for overloading of 132 kV Ranganadi - Pare line. At 11:09 Hrs on 11.05.2018, 132 kV Ranganadi - Pare line tripped. Due to tripping of this element, Pare Power Station, Capital area & Gohpur area were separated from rest of NER Grid and subsequently collapsed due to no source in these areas.	0	50	GD-I	0.035
14	NER	132 kV Ranganadi - Pare Line	POWERGRID	11-May-2018	13:04:00	11-May-2018	13:26:00	00:22	Pare Power Station & Capital area of Arunachal Pradesh Power System and Gohpur area of Assam Power System were connected with rest of NER Grid through 132 kV Ranganadi - Pare line. Bus Coupler CB of Gohpur kept open for overloading of 132 kV Ranganadi - Pare line. At 13:04 Hrs on 11.05.2018, 132 kV Ranganadi - Pare line tripped. Due to tripping of this element, Pare Power Station, Capital area & Gohpur area were separated from rest of NER Grid and subsequently collapsed due to no source in these areas.	0	25	GD-I	0.045
15	NER	132 kV Melriat - Zungtui Line	POWERGRID	13-May-2018	15:37:00	13-May-2018	16:19:00	00:42	Zungtui area of Mizoram Power System was connected with rest of NER Grid through 132 kV Melriat - Zungtui Line. At 15:37 Hrs on 13.05.2018, 132 kV Melriat - Zungtui Line tripped. Due to tripping of this element, Zungtui area was separated from rest of NER Grid and subsequently collapsed due to no source in these areas.	0	43	GD-I	0.021
16	NER	132 kV Dimapur (PG) - Kohima (DoP, Nagaland) Line	POWERGRID & DoP, Nagaland	15-May-2018	16:24:00	15-May-2018	16:40:00	00:16	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) & 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 16:24 Hrs on 15.05.2018, 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	19	GD-I	0.005
17	NER	132 kV Bokajan - Dimapur(PG) Line & 132 kV Bokajan - Golaghat Line	AEGCL	16-May-2018	09:22:00	16-May-2018	09:40:00	00:18	Bokajan area of Assam Power System was connected with rest of NER Grid through 132 kV Dimapur - Bokajan line & 132 kV Golaghat - Bokajan line. At 09:22 Hrs on 16.05.2018, 132 kV Dimapur - Bokajan line & 132 kV Golaghat - Bokajan line tripped. Due to tripping of these elements, Bokajan was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	10	GD-I	0.004

Sl. No.	Region	Name of Element	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Category as per CEA Grid Standards	Energy Unerved (MU)
				Date	Time	Date	Time						
18	NER	132 kV Monarchak - Rokhia 1 Line & 132 kV Monarchak - Udaipur 1 Line	TSECL	16-May-2018	15:30:00	16-May-2018	15:37:00	00:07	Monarchak Power Station and Rabindranagar area of Tripura Power System was connected with rest of NER Grid through 132 kV Monarchak - Udaipur line and 132 kV Monarchak - Rokhia line. At 15:30 Hrs on 16.05.2018, 132 kV Monarchak - Udaipur line and 132 kV Monarchak - Rokhia line tripped. Due to tripping of these elements, Monarchak Power Station and Rabindranagar area were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	81	7	GD-I	0.001
19	NER	132 kV Monarchak - Rokhia 1 Line & 132 kV Monarchak - Udaipur 1 Line	TSECL	18-May-2018	06:37:00	18-May-2018	07:06:00	00:29	Monarchak Power Station and Rabindranagar area of Tripura Power System was connected with rest of NER Grid through 132 kV Monarchak - Udaipur line and 132 kV Monarchak - Rokhia line. At 06:37 Hrs on 18.05.2018, 132 kV Monarchak - Udaipur line and 132 kV Monarchak - Rokhia line tripped. Due to tripping of these elements, Monarchak Power Station and Rabindranagar area were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	96	6	GD-I	0.003
20	NER	1132 kV Agartala - Rokhia 1&2 Lines and 132 kV Monarchak - Rokhia 1 Line	TSECL	20-May-2018	06:02:00	20-May-2018	06:22:00	00:20	Rokhia area of Tripura Power System was connected with rest of NER Grid through 132 kV Agartala - Rokhia 1 & 2 Lines and 132 kV Monarchak - Rokhia 1 Line. 66 kV Rokhia - Badarghat line and 66 kV Bagafa - Belonia line kept open (Phase sequence issue). At 06:02 Hrs on 20.05.2018, 132 kV Agartala - Rokhia 1 & 2 Lines and 132 kV Monarchak - Rokhia 1 Line tripped. Due to tripping of these elements, Rokhia area was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	81	7	GD-I	0.002
21	NER	220 kV Misa-Dimapur 1 & 2 Lines, 220 kV Misa-Byrnihat(Killing) 1 & 2 Lines, 220 kV Misa-Samaguri 1 & 2 Lines, 220 kV Misa-Mariani (PG) Line, 400/220 kV, 315 MVA ICT 1 & 2 at Misa Substation, 220 kV Misa-Kopili 1, 2 & 3 Lines, 132 kV Kopili-Khandong 1 Line and 132 kV Bus-Coupler of Khandong Substation	MePTCL, NEEPCO & POWERGRID	21-May-2018	15:31:00	21-May-2018	16:08:00	00:37	220 kV Misa Bus and Kopili Power Station were connected with rest of NER Grid through 220 kV Misa-Dimapur 1 & 2 Lines, 220 kV Misa-Byrnihat(Killing) 1 & 2 Lines, 220 kV Misa-Samaguri 1 & 2 Lines, 220 kV Misa-Mariani (PG) Line, 400/220 kV, 315 MVA ICT 1 & 2 at Misa Substation, 220 kV Misa-Kopili 1, 2 & 3 Lines, 132 kV Kopili-Khandong 1 Line and 132 kV Bus-Coupler of Khandong Substation (132 kV Khandong - Kopili 2 line and Khandong U 1 & 2 were connected with Bus B and 132 kV Kopili - Khandong 1 Line, 132 kV Khandong - Khleihriat 1 & 2 Lines and 132 kV Khandong - Umrangshu Line were connected with Bus A). At 15:31 Hrs on 21.05.2018, 220 kV Misa-Dimapur 1 & 2 Lines, 220 kV Misa-Byrnihat(Killing) 1 & 2 Lines, 220 kV Misa-Samaguri 1 & 2 Lines, 220 kV Misa-Mariani (PG) Line, 400/220 kV, 315 MVA ICT 1 & 2 at Misa substation, 220 kV Misa-Kopili 1, 2 & 3 Lines, 132 kV Kopili-Khandong 1 Line and 132 kV Bus-Coupler of Khandong Substation tripped. Due to tripping of these elements, 220 kV Misa Bus and Kopili Power Station were separated from rest of NER Grid and subsequently Kopili Power Station and 220 kV Misa Bus were blacked out.	184	0	GD-I	0.000
22	NER	132 kV Lekhi - Pare Line	DoP, AP & POWERGRID	23-May-2018	07:17:00	23-May-2018	07:40:00	00:23	Capital area of Arunachal Pradesh Power System were connected with rest of NER Grid through 132 kV Lekhi - Pare line. 132 kV Gohpur-Nirjuli line was kept open for overloading of 132 kV Ranganadi - Pare line. At 07:17 Hrs on 23.05.18, 132 kV Lekhi - Pare 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	GD-I	0.006
23	NER	132 kV Balipara - Khupi Line	DoP, AP & NEEPCO	23-May-2018	13:59:00	23-May-2018	14:50:00	00:51	Khupi area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 13:59 Hrs on 23.05.2018, 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	15	GD-I	0.013
24	NER	132 kV Dimapur (PG) - Kohima (DoP, Nagaland) Line	POWERGRID & DoP, Nagaland	24-May-2018	13:48:00	24-May-2018	14:30	00:42	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) & 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 13:48 Hrs on 24.05.2018, 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.	6	15	GD-I	0.011
25	NER	132 kV Balipara- Khupi line	NEEPCO & DoP, AP	24-May-2018	16:04:00	24-May-2018	16:33:00	00:29	Khupi area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 16:04 Hrs on 24.05.2018, 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	20	GD-I	0.010

Sl. No.	Region	Name of Element	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Category as per CEA Grid Standards	Energy Unserved (MU)
				Date	Time	Date	Time						
26	NER	132 kV Dimapur (PG) - Kohima (DoP, Nagaland) Line	POWERGRID & DoP, Nagaland	26-May-2018	12:26:00	26-May-2018	12:38:00	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, 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) & 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 12:26 Hrs on 26.05.2018, 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	18	GD-I	0.004

Major Grid Events for May, 2018_NER Region

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event (Brief Details)	Generation Loss (MW)	Load Loss MW	Energy Unreserved (MU)	Category as per CEA Grid Standards
				Date	Time	Date	Time						
1	NER	BgTTP Unit 1	NTPC	01-May-2018	08:31:00	01-May-2018	09:15:00	00:44	BgTTP Unit 1 tripped at 08:31 Hrs on 01.05.2018 due to Boiler flame failure. (Revision of schedule from Block No.38 on 01.05.2018).	142	0	0.104	GI-II
2	NER	BgTTP Unit 1	NTPC	02-May-2018	03:30:00	02-May-2018	04:15:00	00:45	BgTTP Unit 1 tripped at 03:30 Hrs on 02.05.2018 due to Boiler flame failure. (Revision of schedule from Block No.18 on 02.05.2018).	100	0	0.075	GI-II
3	NER	AGTCCPP Units 4 & 6	NEEPCO	07-05-2018	03:05:00	07-05-2018	04:00:00	00:55	AGTCCPP Units 4 & 6 tripped at 03:05 Hrs on 07.05.2018 on over current due to fault in the system. (Revision of schedule from Block No.17 on 07.05.2018).	28	0	0.026	GI-I
4	NER	400 kV Silchar - Palatana D/C and subsequently Palatana GTG-1 & 2 and STG-1&2	OTPL	11-05-2018	08:50:00	11-05-2018	09:00:00	00:10	Palatana GTG 1& 2 & STG 1&2 Units tripped at 08:50 Hrs on 11.05.2018 due to islanding of 400 kV Palatana due to tripping of 400 kV Palatana-Silchar D/C(line fault) and subsequent tripping of ICT-1&2 due to SPS-2 operation. (Revision of schedule from Block No.36 on 11.05.2018).	480	0	0.080	GI-II
5	NER	Khandong Unit 1	NEEPCO	14-May-2018	20:14:00	14-May-2018	21:00:00	00:46	Khandong Units 1 tripped at 20:14 Hrs on 14.05.2018 due to Lower Guide Bearing (LGB) temperature high. (Revision of schedule from Block No.85 on 14.05.2018).	20	0	0.015	GI-I
6	NER	BgTTP Unit 1	NTPC	14-May-2018	20:17:00	14-May-2018	21:00:00	00:43	BgTTP Unit 1 tripped at 20:17 Hrs on 14.05.2018 due to due to Auxiliary supply failure. (Revision of schedule from Block No.85 on 14.05.2018).	201	0	0.144	GI-II

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event (Brief Details)	Generation Loss (MW)	Load Loss MW	Energy Unserviced (MU)	Category as per CEA Grid Standards
				Date	Time	Date	Time						
7	NER	Palatana GTG-1 & 2 and STG-1&2	OTPCL	15-May-2018	15:34:00	15-May-2018	15:45:00	00:11	Palatana GTG 1&2 & STG 1 & 2 Units tripped at 15:34 Hrs on 15.05.2018 due to tripping of 400 kV Silchar - Palatana 2 line (400 kV Silchar - Palatana 1 line was under planned S/D w.e.f 10:43 Hrs on 15th May 2018 for clearing of infringement at loc no. 584, 518 & 526) and subsequent tripping of ICT-1 & 2 due to SPS-2 operation. (Revision of schedule from Block No.64 on 15.05.2018).	488	0	0.089	GI-II
8	NER	Palatana GTG-2 and STG-2	OTPCL	17-May-2018	13:42:00	17-May-2018	14:15:00	00:33	Palatana GTG 2 & STG 2 tripped at 13:42 Hrs on 17.05.2018 due to IP control valve problem. (Revision of schedule from Block No.58 on 17.05.2018).	79	0	0.043	GI-II
9	NER	AGBPP Unit 4 & 8	NEEPCO	19-May-2018	07:11:00	19-May-2018	08:00	00:49	AGBPP Unit 4 and Unit 8 tripped at 07:11 Hrs on 19.05.2018 due to very high vibration . (Revision of schedule from Block No.33 on 19.05.2018).	41	0	0.033	GI-II
10	NER	Khandong Units 1 & 2	NEEPCO	21-May-2018	15:31:00	21-May-2018	15:45:00	00:14	Khandong Units 1 & 2 tripped at 15:31 Hrs on 21.05.2018 due to tripping of 132 kV Kopili-Khandong 1 Line and 132 kV Bus-Coupler of Khandong Substation (132 kV Khandong - Kopili 2 line and Khandong U 1&2, was connected with Bus B and 132 kV Kopili-Khandong 1 Line, 132 kV Khandong - Khleihriat 1 & 2 Lines and 132 kV Khandong - Umrangshu Line was connected with Bus A). (Revision of schedule from Block No.63 on 21.05.2018).	38	0	0.009	GI-I
11	NER	BgTPP Unit 1	NTPC	27-May-2018	11:23:00	27-May-2018	12:00:00	00:37	BgTPP Unit 1 tripped at 11:23 Hrs on 27.05.2018 due to high turbine vibration. (Revision of schedule from Block No.49 on 27.05.2018).	245	0	0.151	GI-II
12	NER	AGBPP Unit 3 & 8	NEEPCO	30-May-2018	04:26:00	30-May-2018	05:15:00	00:49	AGBPP Unit 3 & 8 tripped at 04:26 Hrs on 30.05.2018 due to GT Breaker lockout Relay operated. (Revision of schedule from Block No.22 on 30.05.2018).	43	0	0.035	GI-II