

Major Grid Events for June, 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 Unserviced (in MU)
				Date	Time	Date	Time	Time					
1	NR	1) 315 MVA ICT 1 at 400/220kV G. Noida(UP) 2) 315 MVA ICT 2 at 400/220kV G. Noida(UP)	UP	1-Jun-18	20:27	1-Jun-18	21:10	00:43	Bus bar protection operated at 400/220kV G. Noida(UP) resulting in tripping of 315 MVA ICT 1 & 2 at 400/220kV G. Noida(UP). In antecedent condition, both ICTs loaded upto 130 MW each . As per PMU, Y-B phase to phase fault observed.			GI-2	0.00
2	NR	1) 400kV Hapur 765(UP)-Moradabad(UP) 2) 400kV Ataur(UP)-Hapur 765(UP)-1 3) 400kV Ataur(UP)-Hapur 765(UP)-2 4) 400kV Hapur 765(UP)-Muradnagar(UP) 5) 315 MVA ICT 1 at 400kV Muradnagar(UP) 6) 400kV Ataur(UP)-Muzaffarnagar(UP) 7) 400kV Ataur(UP)-Muradnagar(UP) 8) 400kV Muzaffarnagar(UP)-Roorkee(PG)	POWERGRID/ UP	1-Jun-18	20:50	1-Jun-18	22:19	01:29	During thunderstorm multiple lines tripped at 765/400kV Hapur(UP) & 400 kV Ataur(UP) ; At 2010 Hrs 400 kV Ataur(UP)-Muzaffarnagar(UP), 400 kV Muzaffarnagar(UP)-Roorkee(PG), 400 kV Ataur(UP)-Muradnagar(UP) already tripped during thunderstorm. As per PMU, Y-N fault followed by R-N fault observed.			GI-2	0.00
3	NR	1) 400kV Kishenpur(PG)-New Wanpoh(PG)-3 2) 400kV Kishenpur(PG)-New Wanpoh(PG)-4	POWERGRID	1-Jun-18	15:57	1-Jun-18	16:10	00:13	400kV Kishenpur(PG)-New Wanpoh(PG)-3 & 4 tripped on phase to earth fault during inclement weather (Both circuits carrying 48 MW before the tripping); As per PMU, R-N fault observed.			GI-2	0.00
4	NR	1) 220 kV Kishenpur(PG)-Sarna(PSEB)-1 2) 220 kV Kishenpur(PG)-Sarna(PSEB)-2 3) 220 kV Dasuya(PSEB)-Sarna(PSEB)-1 4) 220 kV Dasuya(PSEB)-Sarna(PSEB)-2 5) 220 kV Sarna(PSEB)-Udhampur(JK) 6) 220 kV Hiranagar(JK)-Sarna(PSEB)	J&K/ Punjab/ POWERGRID	1-Jun-18	15:50	1-Jun-18	16:41	00:51	Due to CT Blast of 220kV Sarna-Wadala, 220 kV Kishenpur(PG)-Sarna(PSEB) 1 & 2, 220 kV Dasuya(PSEB)-Sarna(PSEB) 1 & 2, 220 kV Sarna(PSEB)-Udhampur(JK) 220 kV Hiranagar(JK)-Sarna(PSEB) tripped. As per PMU, B-N fault observed.			GI-1	0.00
6	NR	1) 400 kV Rosa(UP)-Shahjahanpur(UP)-1 2) 400 kV Rosa(UP)-Shahjahanpur(UP)-2 3) Unit#1 at 400/220kV Rosa TPS(UP) 4) Unit#2 at 400/220kV Rosa TPS(UP) 5) Unit#3 at 400/220kV Rosa TPS(UP)	UP	1-Jun-18	23:58	2-Jun-18	00:11	00:13	Unit-1,2&3 at 400/220kV Rosa TPS(UP) tripped due to tripping of evacuating feeder; As per PMU fluctuations observed in the phase voltages. 400 kV Rosa(UP)-Shahjahanpur(UP) 1 & 2 already tripped at 2303 Hrs.	440		GD-1	0.00
5	NR	1) 400 kV Allahabad(PG)-Singrauli(NTPC)-1 2) 400 kV Allahabad(PG)-Singrauli(NTPC)-2 3) 400 kV Anpara(UP)-Singrauli(NTPC) 4) 500 kV Vindhyachal HVDC BtB Block 1 5) Unit#2 at 400 kV Singrauli(NTPC) 6) Unit#4 at 400 kV Singrauli(NTPC) 7) Unit#2 at 400 kV Anpara TPS 8) Unit#5 at 400 kV Anpara TPS	NTPC / UP/ POWERGRID	2-Jun-18	15:24	2-Jun-18	16:25	01:01	Bus bar protection of Bus-1 at 400/220kV Singrauli(NTPC) operated due to CT jumper broken of 400kV Singrauli-Anpara.; As per PMU, R-N fault observed. 400 kV Allahabad(PG)-Singrauli(NTPC) 1 & 2, 400 kV Anpara(UP)-Singrauli(NTPC), Vindhyachal HVDC BtB Block 1, Unit#2 & Unit#4 of 400 kV Singrauli(NTPC) & Unit#2 & Unit#5 of 400 kV Anpara TPS tripped	1100		GD-1	0.00
7	NR	1) 220 kV Fatehabad(HVPLN)-Hisar(PG)-1 2) 220 kV Fatehabad(HVPLN)-Hisar(PG)-2 3) 400 kV Fatehabad(HVPLN)-Fatehabad(PG)-1 4) 400 kV Fatehabad(HVPLN)-Fatehabad(PG)-2	HVPLN/ POWERGRID	2-Jun-18	15:15	2-Jun-18	16:33	01:18	Due to CT Blast of Bus coupler at Fatehabad (Haryana), 220 kV Fatehabad(HVPLN)-Hisar(PG) 1 & 2, 400 kV Fatehabad(HVPLN)-Fatehabad(PG) 1 & 2 tripped. As per PMU B-N fault observed.			GI-1	0.00
8	NR	1) 400 kV Ataur(UP)-Indirapuram(UP)-1 2) 400 kV Ataur(UP)-Indirapuram(UP)-2 3) 500 MVA ICT 1 at 400/220kV Ataur(UP) 4) 500 MVA ICT 2 at 400/220kV Ataur(UP)	UP	2-Jun-18	17:39	2-Jun-18	18:42	01:03	Due to flashover in GIS, 400 kV Ataur(UP)-Indirapuram(UP) 1 & 2, 500 MVA ICT 1&2 at 400/220kV Ataur(UP) handtripped. As per PMU, no fault observed.				0.00
9	NR	1) 400kV Amargarh 400(NRSS29)-URI I(NHPC) 1 2) 315 MVA ICT 1 at 400/220kV Amargarh(NRSS29)	NRSS29/ NHPC/ POWERGRID	3-Jun-18	13:30	3-Jun-18	15:29	01:59	400kV Amargarh-URI I(NHPC) 1 tripped on Y-N fault and at the same time 315 MVA ICT 1 at 400/220kV Amargarh also tripped due to differential relay operated in Y-phase of ICT-1. As per PMU, Y-N fault observed with no autoreclosing attempt.			GI-2	0.00

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				Date	Time	Date	Time	Time					
10	NR	1) 800kV HVDC Champa(PG)-Kurukshetra(PG)-1 2) 800kV HVDC Champa(PG)-Kurukshetra(PG)-2	POWERGRID	3-Jun-18	10:59	3-Jun-18	12:08	01:09	800kV HVDC Champa-Kurukshetra line- 2 tripped on CLD HV cable protection. Line- 1 also tripped along with line-2; As per PMU, fluctuation observed in the phase voltages.			GI-2	0.00
11	NR	1) 220kV Ajitwal(PSEB)-Moga(PG) 2) Other 220kV & 132kV lines	Punjab/ POWERGRID	5-Jun-18	19:00	5-Jun-18	22:03	03:03	As reported by Punjab, during thunderstorm around 50 number of 220 kV line and 36 number of 132 kV lines tripped/opened in Punjab system; As per PMU, multiple fault observed during the period.		Yet to be confirmed.	GD-1	Yet to be confirmed.
12	NR	1) 400kV Amargarh 400(NRSS29)-URI I(NHPC)-1 2) 400kV Amargarh 400(NRSS29)-URI I(NHPC)-2 3) 400kV Amargarh 400(NRSS29)-Wagoora(PG)-2 4) 220 kV Amargarh(NRSS29)-Delina(JK)-1	NRSS29/ NHPC/ POWERGRID	5-Jun-18	13:26	5-Jun-18	13:46	00:20	During inclement weather, 400kV Amargarh-URI I(NHPC)-1&2, 400kV Amargarh 400-Wagoora(PG)-2 tripped on R-Y fault, at the same time 220 kV Amargarh-Delina(JK) 1 tripped on Y-B fault; As per PMU, R-Y fault observed.			GI-2	0.00
13	NR	1) 315 MVA ICT 1 at 400/220kV Rewa Road(UP) 2) 315 MVA ICT 2 at 400/220kV Rewa Road(UP)	UP	6-Jun-18	18:44	6-Jun-18	19:15	00:31	Due to CT jumper blown at 220kV Rewa Road substation, 315 MVA ICT 1 & 2 at 400/220kV Rewa Road(UP) tripped; As per PMU, delayed clearance of fault observed.			GI-2	0.00
14	NR	1) 315 MVA ICT 1 tripped at 400/220kV Ajmer(Raj) 2) 315 MVA ICT 3 tripped at 400/220kV Ajmer(Raj) 3) 220kV Bus -I at 400/220kV Ajmer(Raj)	Rajasthan	6-Jun-18	17:55	6-Jun-18	18:54	00:59	Due to Bus bar protection operation of 220kV Bus -I at Ajmer, 315 MVA ICT 1 & 3 tripped at 400/220kV Ajmer(Raj). From SCADA data, it seems that 220 kV elements also tripped; As per PMU, fault observed with delayed clearance.			GI-2	0.00
15	NR	1) 400kV Chandra(raj)-Hindaun(Raj) 2) 400kV Kaithal(PG)-Patran(PTCL)-2 3) 400kV Kaithal(PG)-Patran(PTCL)-1 4) 400kV Anpara(UP)-Mau(UP) 5) 400kV Fatehabad-Moga(PG) 6) 400kV Hisar-Kaithal-2 7) 400kV Hisar-Kaithal-1 8) 765kV Balia-Lucknow II 9) 400kV Kurukshetra(PG)-Sonipat 1 10) 765kV Meerut - Moga 11) 765kVBhiwani -Meerut 12) 400kV Daultabad(HVPLN)-Jhajjar(APCPL) 2 13) 400kV Daultabad(HVPLN)-Gurgaon(PG) -1 14) 400kV Daultabad-Dhanonda ckt-1 15) 400kV Daultabad(HVPLN)-Gurgaon(PG) -2 16) 400kV Daultabad(HVPLN)-Jhajjar(APCPL) 1 17) 400kV Ballabgarh(PG)-Bamnauli(DTL) 1 18) 400kV Bamnauli(DTL)-Jhatikara(PG) 2 19) 400kV Agra(PG)-Agra(UP) 1 20) 400kV Bassi(PG)-Sikar(PG) 1 21) 765kVAligarh 765(PG)-Kanpur New(PG) 22) 400kV Bhiwadi-Neemrana 1 23) 400kV Aligarh(UP)-Sikandrabad 400(UP) 1 24) 315 MVA ICT 2 Hindaun(Raj) 25) 765kVGwalior (PG) - Phagi (RVPLN) - 2 26) 400kV Aligarh(UP)-Mainpuri 765(UP) 2 27) 765kV Agra-Gwalior -2 28) 400/132kV 200 MVA ICT 1 at Agra South(UP) 29) 400/132kV 200 MVA ICT 2 at Agra South(UP) 30) 400/132kV 200 MVA ICT 3 at Agra South(UP) 31) 765kV Bhiwani -Moga	Uttarakhand/ POWERGRID/ DTL/ Rajasthan/ NHPC/ Punjab/Haryana /UP	9-Jun-18	14:58	9-Jun-18	23:46	08:48	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.		Yet to be confirmed.	GD-1	Yet to be confirmed.
16	NR	1) 765kV Aligarh 765(PG)-Orai 765(PG)-1 2) 765kV Jabalpur 765(PG)-Orai 765(PG)-1	POWERGRID	10-Jun-18	08:13	10-Jun-18	11:33	03:20	765kV Aligarh 765(PG)-Orai 765(PG) 1 & 765kV Jabalpur 765(PG)-Orai 765(PG) 1 carrying 700 MW & 395 MW respectively tripped on high voltage; As per PMU, fluctuation observed in the phase voltages.			GI-2	0.00
	NR	1) 400 kV Anpara(UP)-Singrauli(NTPC) 2) Unit#1 at 400 kV Singrauli(NTPC) 3) Unit#6 at 400 kV Singrauli(NTPC) 4) Unit7 at 400 kV Singrauli(NTPC)	POWERGRID/ NTPC / UP	10-Jun-18	15:05	10-Jun-18	18:44	03:39	400 kV Anpara(UP)-Singrauli(NTPC) along with Unit#1, Unit#6 & Unit7 of 400 kV Singrauli(NTPC) tripped due to fault on station bus at 400 kV Singrauli(NTPC); As per PMU, Y-N fault observed.	1000		GD-1	0.00

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				Date	Time	Date	Time	Time					
18	NR	1) 400 kV Banda(UP)-Orai 400(UP)-1 2) 400 kV Banda(UP)-Orai 400(UP)-2 3) 400 kV Allahabad Rewa Road(UP)-Banda(UP)-2	UP	11-Jun-18	12:11	11-Jun-18	14:01	01:50	400 kV Banda(UP)-Orai 400(UP) 1 & 2 tripped on Y-N fault & R-Y-B fault respectively. At the same time, 400 kV Rewa Road(UP)-Banda(UP) 2 also tripped on B-N fault; As per PMU, B-N fault observed.			GI-2	0.00
19	NR	1) 1500 MVA ICT 1 at 765kV Bara TPS(UP) 2) 400kV Bara TPS(UP)-Meza TPS(UP)	UP	15-Jun-18	10:18	15-Jun-18	18:43	08:25	1500 MVA ICT 1 at 765kV Bara TPS(UP) tripped due to malfunctioning of 765 kV Bus bar protection scheme. At the same time, 400kV Bara TPS(UP)-Meza TPS(UP) 1 also tripped; As per PMU, no fault observed.			GI-2	0.00
20	NR	1) 400kV Anpara(UP)-Sarnath(UP) ckt-1 2) 400kV Anpara(UP)-Sarnath(UP) ckt-2 3) 400kV Azamgarh(UP)-Sarnath(UP)-2 4) 315 MVA ICT 1 400/220kV Sarnath(UP)	UP	16-Jun-18	13:18	16-Jun-18	14:40	01:22	400kV Anpara(UP)-Sarnath(UP) ckt-1 & 2 tripped on B-N fault, 400kV Azamgarh(UP)-Sarnath(UP) tripped on Y-N fault. At the same time, 315 MVA ICT 1 at 400/220kV Sarnath(UP) also tripped; As per PMU, Y-N fault observed.			GI-2	0.00
21	NR	1) 240 MVA ICT 2 at 400/220kV Panki(UP) 2) 240 MVA ICT 1 at 400/220kV Panki(UP) 3) 400kV Rewa Road(UP)-Panki(UP) 4) 160 MVA ICT 3 at 220kV Panki(UP)	UP/ POWERGRID	17-Jun-18	18:13	17-Jun-18	20:00	01:47	240 MVA ICT 2 at 400/220kV Panki damaged due to blast leading to outage of all 400kV & 220kV lines at 400/220kV Panki(UP). Due to high flames, some 400kV & 220kV lines hand tripped.		105	GD-1	0.21
22	NR	1) 200 MVA ICT 2 at 400/132kV Agra South(UP) 2) 200 MVA ICT 3 at 400/132kV Agra South(UP)	UP	18-Jun-18	13:29	18-Jun-18	14:40	01:11	200 MVA ICT 2 & 3 at 400/132kV Agra South(UP) tripped on overcurrent. As per PMU, Y-N fault observed.			GI-2	0.00
23	NR	1) 200 MVA ICT 1 at 400/132kV Mau(UP) 2) 200 MVA ICT 2 at 400/132kV Mau(UP) 3) 132kV Mau(UP) - Someri Jamalpur(UP)	UP	19-Jun-18	08:13	19-Jun-18	10:16	02:03	200 MVA ICT 1 & ICT 2 at 400/132kV Mau(UP) tripped due to R-ph CT blast of 132kV Mau - Someri Jamalpur ckt. As per PMU, R-Y fault observed.			GI-2	0.00
24	NR	1) 400kV Kota(PG)-Merta(RVPNL) 2) 400kV Shree Cement(CSL)-Merta(RVPNL) 3) 400kV Jodhpur(RVPNL)-Merta(RVPNL) ckt-1 4) 400kV Jodhpur(RVPNL)-Merta(RVPNL) ckt-2 5) 400kV Heerapura(RVPNL)-Merta(RVPNL) 6) 400kV Merta(RVPNL)-Ratangarh(RVPNL) 7) 400kV Biknaer(RVPNL)-Merta(RVPNL) 8) 315 MVA ICT 1 at 400/220kV Merta(RVPNL) 9) 315 MVA ICT 2 at 400/220kV Merta(RVPNL)	Rajasthan/ POWERGRID	19-Jun-18	16:22	19-Jun-18	17:27	01:05	Busbar protection operated at 400/220kV Merta(RVPNL) due to blast in R-Phase main breaker of ICT-2. It further led to tripping of all 400kV lines and 315 MVA ICT 1 & ICT 2 at 400/220kV Merta(RVPNL). As per PMU, R-N followed by 3-phase fault observed.			GI-2	0.00
25	NR	1) 400kV Rewa Road(UP)-Banda(UP) ckt-2 2) 400kV Banda(UP)-Orai(UP) ckt-2	UP	20-Jun-18	01:19	20-Jun-18	02:33	01:14	400kV Rewa Road(UP)-Banda(UP) ckt-2 & 400kV Banda(UP)-Orai(UP) ckt-2 tripped on B-N fault. As per PMU, B-N fault observed. Similiar event occurred on 19.06.18, at 1518Hrs 400kV Rewa Road(UP)-Banda(UP) ckt-2 & 400kV Banda(UP)-Orai(UP) ckt-2 tripped on R-N fault.			GI-2	0.00
26	NR	1) 400kV Rewa Road(UP)-Panki(UP) 2) 400kV Aligarh(UP)-Panki(UP) 3) 240 MVA ICT 1 at 400kV Panki(UP)	UP	21-Jun-18	01:24	21-Jun-18	05:26	04:02	Due to failure of R-Ph CT of 400kV Bus Coupler at 400kV Panki(UP), 400kV Rewa Road(UP)-Panki(UP), 400kV Aligarh(UP)-Panki(UP) & 240 MVA ICT 1 at 400kV Panki(UP) tripped. 400kV Kanpur(PG)-Panki(UP) ckt 1 & 2 manually handtripped for safety precautionary measures. As per PMU, R-N fault observed.		900	GD-1	3.60
27	NR	1) 400kV Agra(PG)-Agra(UP) 2) 400kV Agra(UP)-Fatehabad 765(UP) ckt-1 3) 400kV Agra(UP)-Fatehabad 765(UP) ckt-2 4) 500 MVA ICT 1 at 400kV Agra(UP) 5) 500 MVA ICT 2 at 400kV Agra(UP)	UP/ POWERGRID	21-Jun-18	15:13	21-Jun-18	15:56	00:43	Bus Bar protection mis-operated at 400kV Agra(UP), 400kV Agra(PG)-Agra(UP), 400kV Agra(UP)-Fatehabad 765(UP) ckt 1 & 2, 500 MVA ICT 1 & ICT 2 at 400kV Agra(UP) tripped. As per PMU, No fault observed.		550	GD-1	0.40
28	NR	1) 400kV Rewa Road(UP)-Banda(UP) ckt-1 2) 400kV Banda(UP)-Orai(UP) ckt-2	UP	22-Jun-18	10:28	22-Jun-18	11:56	01:28	400kV Rewa Road(UP)-Banda(UP) ckt-1 & 400kV Banda(UP)-Orai(UP) ckt-2 tripped due to R-N fault; As per PMU, R-N fault observed.			GI-2	0.00
29	NR	1) 400 kV Bus 1 at 400/220kV Lucknow(UP) 2) 400kV Lucknow(UP)-Unnao(UP) 3) 400kV Lucknow(PG)-Lucknow(UP) 4) 315 MVA ICT 2 at 400/220kV Lucknow(UP)	UP/ POWERGRID	22-Jun-18	01:32	22-Jun-18	03:24	01:52	Bus bar protection operated due to blast in R-Ph CT of Transfer bay at 400/220kV Lucknow(UP) leading to tripping of 400 kV Bus 1 & 315 MVA ICT 2 at 400/220kV Lucknow(UP), 400kV Lucknow(UP)-Unnao(U), 400kV Lucknow(PG)-Lucknow(UP). As per PMU, R-N fault observed.			GI-2	0.00
30	NR	1) 220kV Kishanganga(NHPC)-Delina(JK) ckt-1 2) 220kV Kishanganga(NHPC)-Delina(JK) ckt-2 3) Unit#1 at 220kV Kishanganga(NHPC) 4) Unit#2 at 220kV Kishanganga(NHPC) 5) Unit#3 at 220kV Kishanganga(NHPC)	NHPC/ PDDDK	23-Jun-18	21:51	23-Jun-18	23:01	01:10	220kV Kishanganga(NHPC)-Delina(JK) ckt-1 & 2 tripped due to DT received at 220kV Kishanganga(NHPC) end leading to tripping of all three units at Kishanganga(NHPC). Similar incident occurred at 1643Hrs of 24.06.18 due to bus bar protection operation. As per PMU, no fault observed.	290		GD-1	0.00

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				Date	Time	Date	Time	Time					
31	NR	1) 400kV Anpara(UP)-Singrauli(NTPC) 2) 400kV Allahabad(PG)-Singrauli(NTPC) 1 3) 500kV HVDC BtB Vindhyachal pole 1	NTPC/ UP/ POWERGRID	25-Jun-18	16:06	25-Jun-18	17:00	00:54	400kV Anpara(UP)-Singrauli(NTPC) & 400kV Allahabad(PG)-Singrauli(NTPC) 1 tripped due to B-N fault. At the same time, 500kV HVDC BtB Vindhyachal pole 1 also tripped. As per PMU, B-N fault observed.			GI-2	0.00
32	NR	1) 400kV Obra(UP)-Sultanpur(UP) 2) 400kV Lucknow(PG)-Sultanpur(UP) 3) 315 MVA ICT 1 at 400kV Sultanpur(UP) 4) 315 MVA ICT 3 at 400kV Sultanpur(UP)	UP/ POWERGRID	26-Jun-18	20:30	26-Jun-18	22:01	01:31	While charging the 240MVA ICT 2 at 400kV Sultanpur(UP), blast occurred in B phase CT of 240MVA ICT 2 at 400kV Sultanpur(UP) leading to tripping of 400kV Obra(UP)-Sultanpur(UP), 400kV Lucknow(PG)-Sultanpur(UP), 315 MVA ICT 1 & ICT 3 at 400kV Sultanpur(UP). As per PMU, B-N fault observed.			GI-2	0.00
33	NR	1) 400kV Dadri(NTPC)-G.Noida(UP) 2) 400kV Dadri(NTPC)-Panipat(BBMB)-1 3) Unit#5 (490 MW) at 400kV Dadri(NTPC)	NTPC/ BBMB/ UP/ POWERGRID	28-Jun-18	01:17	28-Jun-18	01:54	00:37	400kV Dadri(NTPC)-G.Noida(UP) tripped on Y-B fault. At the same time, 400kV Dadri(NTPC)-Panipat(BBMB) 1 & Unit#5 (490 MW) at 400kV Dadri(NTPC) also tripped; As per PMU, Y-B fault observed.	280		GD-1	0.00
34	NR	1) 220kV Bus 2 at 400/220kV Wagoora(PG) 2) 220kV Pampore(JK)-Wagoora(PG) ckt-2 3) 220kV Wagoora(PG)-Zainkot(JK) ckt-2 4) 315 MVA ICT 2 at 400/220kV Wagoora(PG) 5) 315 MVA ICT 4 at 400/220kV Wagoora(PG)	PDDJK & POWERGRID	30-Jun-18	12:07	30-Jun-18	12:12	00:05	Bus bar protection operated of 220kV Bus 2 at 400/220kV Wagoora(PG) leading to tripping of 315 MVA ICT 2 & ICT 4, 220kV Pampore(JK)-Wagoora(PG) ckt-2 & 220kV Wagoora(PG)-Zainkot(JK) ckt-2. As per PMU, No fault observed.			GI-2	
35	NR	1) 450 MVA ICT 1 at 400kV Panipat(BBMB). 2) 450 MVA ICT 2 at 400kV Panipat(BBMB).	BBMB	30-Jun-18	14:50	30-Jun-18	15:14	00:24	400/220kV ICT 2 at 400kV Panipat(BBMB) tripped due to operation of Buchholz relay and 400/220kV ICT 1 at 400kV Panipat(BBMB) tripped on overloading. As per PMU, fluctuation observed in all the three phase voltages.		300	GD-1	0.60
36	NR	1) 220kV Salal(NHPC)-Jammu(JK) ckt-2 2) 220kV Salal(NHPC)-Kishenpur(PG) ckt-2 3) 220kV Salal(NHPC)-Kishenpur(PG) ckt-3 4) Unit#1 at 220kV salal(NHPC) 5) Unit#3 at 220kV salal(NHPC) 6) Unit#5 at 220kV salal(NHPC).	/PDDJK & POWER	30-Jun-18	17:29	30-Jun-18	18:02	00:33	Multiple lines, units at Salal HEP(NHPC) tripped due to LBB protection operation on DC supply failure.	400		GD-1	

Major Grid Events for June, 2018_ Western Region

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				Date	Time	Date	Time	Time					
1	WR	Tripping of 1.400/220 kV 600 MVA Kalwa ICT-2 2.400/220 kV 500 MVA Kalwa ICT-1 3. 100kV and 22kV feeders on LTS operation	MSETCL	01-06-2018	01:03	01-06-2018	02:17	01:14	Y phase bushing of 400/220 kV 600 MVA Kalwa ICT-2 blasted and the R and Y phases also caught fire. The fire spread to the cable trench of ICT 1 and it was hand tripped at 01:30 Hrs. LTS scheme of ICT overloading operated at Kalwa S/s and there was a load shedding of around 300 MW.	-		GI-2	
2	WR	Tripping of 1.+/-800 kV HVDC Champa-Kurukshetra Pole 1 2.+/-800 kV HVDC Champa-Kurukshetra Pole 2	PGCIL	03-06-2018	11:02	03-06-2018	12:08	01:06	800 kV HVDC Champa-Kurukshetra pole 2 blocked due to High Voltage High Speed CB failure and at the same time Pole 1 also blocked due to the trip command received from Pole 2.	-	-	GI-2	-
3	WR	Tripping of 1.400 kV MCCPL- Bilaspur 2.400 kV ACBIL - Bilaspur 3.400 kV MCCPL- ACBIL 4.Unit 1&2 ACBIL (135*2 MW) 5.Unit 1&2 ACBIL Chakabura (30*2 MW) 6.Unit 1&2 SCPL (50*2 MW) 7.Unit 1 MCCPL (300 MW)	BIL/MCC	03-06-2018	16:26	03-06-2018	16:43	00:17	Loss of evacuation lines due to earth faults led to the tripping of Units at ACBIL, MCCPL, ACBIL Chakabura and SCPL.	654	-	GD-1	-
4	WR	Tripping of 1.220 kV Shivpuri-Bina(PG) 2.220 kV Shivpuri-Sabalgarh D/C 3.220/132 kV 160 MVA Shivpuri ICTs 1&2.	MPPTCL	06-06-2018	21:03	06-06-2018	21:31	00:28	While charging 220 kV Shivpuri-Bina(MP), 220 kV Bus bar protection operated at Shivpuri S/s and all the connected 220 kV elements tripped. Due to the tripping of incoming feeders supply to the 220 kV Sabalgarh S/s got interrupted.	-	200	GD-1	0.0933
5	WR	Tripping of 1.400 kV Hadala-Amreli 2.400 kV Hadala-APL 3.400 kV Hadala-Vadinar 2 4.400/220 kV Hadala ICT 2&3	GETCO	07-06-2018	11:10	07-06-2018	11:35	00:25	At Hadala substation, 400 kV Bus 2 Bus bar protection operated due to blast of 125 MVAR BR Y ph pole.	-	-	GI-2	-
6	WR	Tripping of 1.400/220 kV 500 MVA Kalwa ICT 3 2.220 kV Kalwa-Colourchem 3.220 kV Kalwa-Mulund 2 4.220 kV Kalwa-Salsette 4 5.220 kV Kalwa-Mulund 1	MSETCL	09-06-2018	08:18	09-06-2018	08:50	00:32	At Kalwa, LV side R phase CT of 400/220 kV 500 MVA ICT 3 blasted and 220 kV lines tripped on Bus bar protection operation.	-	-	GI-1	-
7	WR	Tripping of 1.400 kV JP Nigrie-Satna 2 2.660 MW JP Nigrie Units 1&2 3.400/38.5 kV Satna STATCOM coupling transformer 4.150 MVAR Satna STATCOM 1&2	Nigrie/PG	12-06-2018	19:03	12-06-2018	20:16	01:13	400 kV JP Nigrie-Satna 2 tripped on R-E fault and at the same time circuit 1 auto reclosed successfully on B-E fault. Satna STATCOM coupling transformer and JP Nigrie units also tripped on LV side backup protection operation and Reverse power protection operation respectively.	855	-	GI-2	-

S.No	Region	Name of Elements	Owner/Agency	Outage		Revival		Outage Duration	Event	Generation Loss (MW)	Load Loss (MW)	Category as per CEA standards	Energy Unreserved (MU)
				Date	Time	Date	Time	Time					
8	WR	Tripping of 1+/-800 kV HVDC Champa-Kurukshetra Pole 1 1.+/-800 kV HVDC Champa-Kurukshetra Pole 2	PGCIL	15-06-2018	14:15	15-06-2018	14:32	00:17	800 kV HVDC Champa-Kurukshetra Bi-pole tripped on Filter control blocking due to filter power limit alarm at Champa end.	-	-	GI-2	-
9	WR	Tripping of 1.400KV Indore(MP)-Nagda 2.400KV Indore(MP)-ISP D/C 3.400KV Indore(MP)-Asoj D/C 4.400KV Indore(MP)-Itarsi 1 5.400KV Indore(MP)-Indore(PG) D/C 6.400/220KV ICT 1-4 Indore(MP) 7.220KV Indore(MP)-Indore SZ-I 8.220KV Indore(MP)-Dewas 9.220KV Indore(MP)-Barwaha 1	MPPTCL	23-06-2018	17:49	23-06-2018	18:08	00:19	At 400kV Indore(MP), one of the isolator arm of 400 kV Indore(MP)-ISP 1 fell over the 400 kV Buses 1&2. This led to bus bar protection operation and tripping of all the 400 kV elements in Indore(MP) substation.	-	-	GI-2	-
10	WR	Tripping of 1.400KV Indore(MP)-Nagda 2.400KV Indore(MP)-ISP D/C 3.400KV Indore(MP)-Asoj D/C 4.400KV Indore(MP)-Itarsi 1 5.400KV Indore(MP)-Indore(PG) D/C 6.400/220KV ICT 1-4 Indore(MP)	MPPTCL	23-06-2018	21:11	23-06-2018	21:45	00:34	At 400kV Indore(MP), while charging Indore-Asoj-ckt 2, Y & B phase Pantograph isolator closed simultaneously but R – phase got delayed and 400 kV Bus 1&2 tripped at Indore(MP) substation on bar protection operation.	-	-	GI-2	-
11	WR	Tripping of 1.400KV Asoj-Indore-2 2.400KV Asoj-SSNL 3.400KV Asoj-Kosamba 4.400KV Asoj-Chorania D/C 5.400KV Asoj-Vadodara D/C 6.400 kV 50MVar Bus Reactor 7.400/220KV Asoj ICTs 1 -4	GETCO	24-06-2018	05:10	24-06-2018	06:14	01:04	At 400kV Asoj, R phase CT of 400 kV Asoj-Chorania 1 blasted resulting in tripping of all the 400 kV elements on Bus bar protection operation.	-	-	GI-2	-
12	WR	Tripping of 1.+/-500 kV HVDC Bhadrawathi Pole 1 2.+/-500 kV HVDC Bhadrawathi Pole 2 3.400 kV Bhadrawathi-Ramagundam 1	PGCIL	25-06-2018	19:33	25-06-2018	21:07	01:34	At HVDC Bhadrawati, the filters at south side tripped on Resistor thermal overload and IDMT E/F operation due to higher harmonics. Due to nonavailability of filters in south side due to trippings, Reactive Power Control (RPC) initiated "Go to Standby" and 500 kV HVDC Bhadrawathi Bi-pole went to standby mode.To deblock Pole-2, two filter banks taken into service and the south bus voltage increased above 440KV. Ramagundam line-1 tripped on Over-voltage Stage-1 at 20:35Hrs.	-	-	GI-2	-

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					
13	WR	Tripping of 1.400 kV Aurangabad(MS)-Aurangabad(PG) D/C 2.400 kV Aurangabad(MS)-Pune D/C 3.400 kV Aurangabad(MS)- Taptitanda 4.400 kV Aurangabad(MS)-Bhusawal 5.400 kV Aurangabad(MS)-Bhableshtar 6.400 kV Aurangabad(MS)-Deepnagar 7.400/220 kV Aurangabad(MS) ICTs 1-3	MSETCL	26-06-2018	06:51	26-06-2018	07:31	00:40	Prior to incident, emergency outage of 400KV Bus-I at Aurangabad(MS) ie., Waluj S/s was availed along with 400KV Aurangabad(MS)-Aurangabad(PG)-II due to CB lockout of ckt-II . All the 400KV feeders and ICT's were on 400KV Bus-II. Normalization code has been issued for 400kv Bus-I after isolating the above mentioned lock out Circuit breaker. As intimated by SLDC/Maharashtra, during shifting of 400KV Aurangabad-Taptitanda-I to 400KV Bus-I, Busbar protection operated and all the 400KV elements tripped at Aurangabad(MH) s/s.	-	-	GI-2	-
14	WR	Tripping of 1.400 kV Amreli-Jetpur 2 2.400 kV Amreli-Hadala 1 3.400/220 kV 315 MVA Amreli ICTs 3&4 4.400 kV 50 MVAR Amreli BR 1 5.400 kV 125 MVAR Amreli BR 2	GETCO	29-06-2018	15:32	29-06-2018	16:29	00:57	Due to the B phase Insulator string flashover at 400 kV Amreli-Jetpur 1 and ICT 1 bays at Amreli substation, Bus 1 bus bar protection operated and all the 400 kV elements connected to Bus 1 tripped.	-	-	GI-2	-

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 June, 2018_Southern Region

S.No.	Region	Name of Elements (Tripped/Manually opened)	Owner / Agency	Outage		Revival		Outage Duration Time	Event (As reported)	Generation Loss (MW)	Load Loss (MW)	Category as per CEA Grid Standards	Energy Unreserved (MU)
				Date	Time	Date	Time						
1	SR	1. 400kV Jamalamadugu - UV Konda line-1 2. 400kV Jamalamadugu - Narnoor line-2 3. 400kV UV Konda - Mahbubnagar line-1	APTRANSCO	2-Jun-18	04:37	2-Jun-18	04:57	20 mins	Complete outage of 400kV Uravakonda and 400kV Jamalamadugu stations: 400kV Jamalamadugu - UVKonda line-2, 400kV Jamalamadugu - Narnoor line-1 and 400kV UVKonda-Mabubnagar line-2 were in open condition in the antecedent. 400kV Jammalamadugu - UV Konda line-1, Narnoor-2 and 400kV UV Konda - Mahbubnagar line-1 got tripped on overvoltage protection. This led to the loss of supply to 400kV UV Konda and 400kV Jammalamadugu stations. Subsequently due to loss of 400kV evacuating lines, wind generators connected at downstream of 220kV grid tripped, resulting in the loss of supply to 400/220kV UV Konda and 400/ 220 kV Jammalamadugu stations.	275 MW	---	GD-1	---
2	SR	1. 230kV Pondicherry - Villianur Neyvelly Stg-2 - Villianur	Pondicherry (PED)	5-Jun-18	11:23	5-Jun-18	12:11	48 mins	Complete outage of 230kV Villianur station: Triggerring incident was the failure of R-ph breaker of 110kV Kalappet Villianur line at Villianur end. Fault was cleared by tripping of the upstream feeders. 230kV NLC st-2 Villianur tripped at NLC end and 230kV Pody Villianur line tripped at Pody end on zone 3 distance operation, resulting in the loss of supply to 230kV Villianur station.	---	120 MW	GD-1	0.1
3	SR	1. 400kV Jamalamadugu - UV Konda line-1 2. 400kV Jamalamadugu - Narnoor line-2 3. 400kV UV Konda - Mahbubnagar line-1 4. 400/220kV ICT-1,2,3,4 at UV konda	APTRANSCO	5-Jun-18	00:34	5-Jun-18	00:57	23 mins	Complete outage of 230kV Villianur station: Triggerring incident was failure of B-phase 230kV Current Transformer of HV-I Breaker of 230/110KV 100MVA Auto Transformer-I. Fault was cleared by tripping of source feeders i.e. 230kV Neyveli-Villianur Line breaker at NLC TS-II and 230kV Pody-Villianur Line Breaker at 400KV Pody S/S. Fault was cleared in 350 ms as observed from PMU data plot. This in-turn resulted in loss of supply to 230kV Villianur station.	500 MW	---	GD-1	---
4	SR	1. 230kV Pondicherry - Villianur Neyvelly Stg-2 - Villianur	Pondicherry (PED)	15-Jun-18	07:29	15-Jun-18	08:45	1 hr 16 mins	Complete outage of 230kV Villianur station: Triggerring incident was failure of B-phase 230kV Current Transformer of HV-I Breaker of 230/110KV 100MVA Auto Transformer-I. Fault was cleared by tripping of source feeders i.e. 230kV Neyveli-Villianur Line breaker at NLC TS-II and 230kV Pody-Villianur Line Breaker at 400KV Pody S/S. Fault was cleared in 350 ms as observed from PMU data plot. This in-turn resulted in loss of supply to 230kV Villianur station.	---	102 MW	GD-1	0.1
5	SR	1. 220kV Sedam- Shahapur Sedam - RTPS ckt-1 2. 220kV 3. 220kV Sedam - RTPS ckt-2 4. 220kV Sedam - Tandoor	KPTCL	19-Jun-18	01:41	19-Jun-18	03:10	1 hr 29 mins	Complete outage of 220kV Sedam Station: Triggerring incident was B-phase to ground fault in 220kV Sedam – RTPS line-1. Bus bar protection operated and all connected lines tripped resulting in complete outage of Sedam station.	---	25 MW	GD-1	0.0375
6	SR	1. 400/220kV ICT-1 at Hoody 2. 400/220kV ICT-3 at Hoody 3. All elements at 220kV Hoody station	KPTCL	17-Jun-18	03:53	17-Jun-18	05:31 (ICT-3) 06:05 (ICT-1)	1 hr 38 mins	Complete outage of 220kV Hoody station: Triggerring incident was R-phase HV side CT flashover of 220/110kV, 100MVA transformer-3 and snapping of R phase jumper of CT connected to 220/110kV transformer-4 at Hoody. 220kV Hoody station was in single bus operation since South bus at 220kV Hoody was under renovation works. All elements at 220kV Hoody were connected to North Bus. 400/220kV, 500MVA ICT-1 and 3 also tripped on operation of earth fault protection.400/220kV, 500MVA ICT-3 operates in radial mode.	---	455 MW	GI-1	0.682
7	SR	1. HVDC Talcher-Kolar Pole-1 2. HVDC Talcher-Kolar pole-2	PGCIL	18-Jun-18	17:42	18-Jun-18	18:02	20 mins	Tripping of HVDC Talcher-Kolar Pole-1&2: Trip command was generated from the DC station control system at Talcher end due to tripping of AC filters. ESOF was received at Kolar end. This resulted in the tripping of HVDC Talcher-Kolar pole-1 and pole-2. Antecedent power flow was 770MW. SPS of HVDC Talcher-Kolar (Trip 1) got operated resulting in load relief of 722MW.	---	---	GI-2	---

Major Grid Events for June, 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	Time					
1	ERLDC	220 kV New Purnea - Madhepura D/C	BSPTCL	5-Jun-18	10:20	5-Jun-18	10:57	00:37	Tripping of 220 kV New Purnea - Madhepura D/C on R-N fault resulted total power failure at Madhepura, Supaul and Lahan (Nepal)	0	133	GD-I	0.0820
2	ERLDC	220 kV New Purnea - Madhepura - II	BSPTCL	5-Jun-18	16:32	5-Jun-18	16:56	00:24	220 kV New Purnea - Madhepura I was out of service since GD at Madhepura at 10:20 hrs on same day. At 16:32 hrs 220 kV New Purnea Madhepura II tripped on Over current resulting total power failure at Madhepura Supaul and Lahan (Nepal)	0	160	GD-I	0.0640
3	ERLDC	400 kV HEL - Subhasgram D/C	WBSETCL	10-Jun-18	21:52	10-Jun-18	22:27	00:35	400 kV HEL - Subhasgram D/C tripped on B-N fault resulting station black out at Haldia due to loss of evacuation path	550	0	GD-I	0.0000
4	ERLDC	220 kV Patna - Sipara T/C 220 kV Sipara Khagul S/C 220 kV Sipara Fatuah S/C 220/132 kV ICT - I, II & III at Sipara	BSPTCL	15-Jun-18	10:58	15-Jun-18	11:10	00:12	At 10:58 hrs, 220 kV Patna - Sipara T/C, 220 kV Sipara Khagul S/C, 220 kV Sipara Fatuah S/C, 220/132 kV ICT - I, II & III at Sipara tripped on bus bar relay operation at Sipara resulting load loss at Sipara and its surrounding area.	0	328	GD-I	0.0656
5	ERLDC	400 kV Arambag - Bakreswar S/C 400/220 kV ICT - I	WBSETCL	19-Jun-18	10:10	19-Jun-18	10:58	00:48	At the time of taking shutdown of main CB connected to GT of Bakreswar unit II and connecting the unit to transfer bus via bus coupler CB, all elements connected to bus I tripped on LBB operation. It is suspected that NIT (Normal Intermediate Switch) remained in the intermediate position in the case of bus coupler CB between 400 kV main and transfer bus, which led to LBB initiation.	210	0	GI-II	0.0000
6	ERLDC	220 kV New Purnea - Madhepura D/C	BSPTCL	26-Jun-18	04:39	26-Jun-18	05:09	00:30	At 04:39 Hrs 220 kV Purnea - New Madhepura D/C tripped on R-N fault resulting load loss at surrounding area	0	150	GD-I	0.0750

Major Grid Events for June, 2018_NER Region

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						
1	NER	132 kV Motonga - Rangia 1 Line & 132 kV Kamalpur - Kahilipara 1 Line	POWERGRID & AEGCL	02-Jun-2018	11:05:00	02-Jun-2018	11:45:00	00:40	Kamalpur-Rangia area of Assam Power System were connected with rest of NER Grid through 132 kV Kamalpur - Kahilipara 1 line. 132 kV Rangia-Bornagar line and 132 kV Rangia-Nalbari line kept open (Cause: Voltage dip issue), 132kV Rangia -Sipajhar line, 132 kV Rangia -Rowta line and 132 kV Sisugram - Kamalpur line kept open (Cause: Overloading of 132 kV Rangia (AEGCL) - Motonga (BPC, Bhutan) line). At 11:05 Hrs on 02.06.2018, 132 kV Kamalpur - Kahilipara 1 line tripped. Due to tripping of these element, Kamalpur - Rangia area of Assam Power System were separated from rest of NER Grid and subsequently collapsed due to no source in these areas.	0	30	0.020	GD-I
2	NER	132 kV Imphal (MSPCL) - Imphal (PG) 1 & 2 Lines	POWERGRID	03-Jun-2018	10:31:00	03-Jun-2018	10:51:00	00:20	Capital - Karong Area of Manipur was connected with rest of NER Grid through 132 kV Imphal-Imphal I & II lines. 132 kV Kakching-Kongba line and 132 kV Karong - Kohima line kept open for system requirement. At 10:31 Hrs on 03.06.2018, 132 kV Imphal-Imphal I & II lines tripped. Due to tripping of these elements, Capital - Karong Area were separated from rest of NER Grid and subsequently collapsed due to no source in these areas.	0	30	0.010	GD-I
3	NER	132 kV Jiribam - Pailapool 1 Line, 132 kV Jiribam - Loktak 2 Line, 132 kV Haflong - Jiribam 1 Line, 132 kV Aizawl - Jiribam 1 Line & 132 kV Jiribam - Badarpur Line	POWERGRID, AEGCL & MSPCL	06-Jun-2018	01:42:00	06-Jun-2018	01:55:00	00:13	Pailapool area of Assam and Jiribam(PG) were connected with rest of NER Grid through 132kV Haflong - Jiribam (PG) line, 132 kV Badarpur - Jiribam line, 132 kV Loktak - Jiribam line and 132 kV Aizawl - Jiribam line (132 kV Pailapol (AS) - Srikona line kept open to facilitate SPS related load shedding). At 01:42 Hrs on 06.06.18, 132kV Haflong - Jiribam (PG) line, 132 kV Badarpur - Jiribam line, 132 kV Loktak - Jiribam line and 132 kV Aizawl - Jiribam line tripped. Due to tripping of these elements, Pailapool area and Jiribam(PG) were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	15	0.012	GD-I
4	NER	132 kV Silchar - Hailakandi 1 & 2 Lines & 132 kV Dharmanagar - Dullavcherra Line	POWERGRID, TSECL & AEGCL	06-Jun-2018	02:20:00	06-Jun-2018	02:35:00	00:15	Dullavcherra - Hailakandi area of Assam were connected with rest of NER Grid through 132 kV Dullavcherra - Dharmanagar line & 132 kV Silchar - Hailakandi 1 & 2 lines. At 02:20 Hrs on 06.06.18, 132 kV Dullavcherra - Dharmanagar line & 132 kV Silchar - Hailakandi 1 & 2 lines tripped. Due to tripping of these elements, Dullavcherra - Hailakandi areas were separated from rest of NER Grid and subsequently collapsed due to no source in this areas.	0	20	0.003	GD-I
5	NER	132 kV Imphal (MSPCL) - Imphal (PG) 1 & 2 Lines	POWERGRID & MSPCL	06-Jun-2018	10:54:00	06-Jun-2018	11:10:00	00:16	Capital - Karong area of Manipur were connected with rest of NER Grid through 132 kV Imphal -Imphal I & II lines (132 kV Kakching - Kongba line kept open to control loading of 132 kV Loktak - Ningthkong line & 132 kV Karong - Kohima line kept open to control loading of 132 kV Dimapur - Kohima line). At 10:54 Hrs on 06.06.18, 132 kV Imphal - Imphal I & II lines tripped. Due to tripping of these elements, Capital -Karong area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	49	0.017	GD-I
6	NER	132 kV Balipara - Khupi 1 Line	NEEPCO & DoP, AP	09-Jun-2018	11:16:00	09-Jun-2018	11:34:00	00:18	Khupi area of Arunachal Pradesh was connected with rest of NER Grid through 132 kV Balipara - Khupi line. At 11:16 Hrs on 09.06.18, 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	0.005	GD-I
7	NER	132 kV Dimapur (PG) - Kohima 1 Line	POWERGRID & DoP, Nagaland	09-Jun-2018	13:46:00	09-Jun-2018	13:51:00	00:05	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 13:46 Hrs on 09.06.18, 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	23	0.002	GD-I
8	NER	132 kV Lekhi - Pare 1 Line	NEEPCO, DoP AP & POWERGRID	10-Jun-2018	08:48:00	10-Jun-2018	09:15:00	00:27	Lekhi - Capital area of Arunachal Pradesh Power System was 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 08:48 Hrs on 10.06.18, 132 kV Lekhi - Pare line tripped. Due to tripping of this element, Lekhi - Capital area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	25	0.012	GD-I

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						
9	NER	132 kV Loktak - Ningthoukhong 1 Line	MSPCL	12-Jun-2018	06:38:00	12-Jun-2018	08:31:00	01:53	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 06:38 Hrs on 12.06.2018, 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	33	0.063	GD-I
10	NER	132 kV Imphal (MSPCL) - Imphal (PG) 1 & 2 Lines	POWERGRID	14-Jun-2018	03:32:00	14-Jun-2018	04:13:00	00:41	Capital - Karong area of Manipur Power System were connected with rest of NER Grid through 132 kV Imphal-Imphal I & II lines (132 kV Kakching-Kongba line kept open as 132 kV Yurembam - Yaingangpokpi line gets overloaded in case of keeping this line in loop & 132 kV Karong-Kohima line kept open as 132 kV Dimapur(PG)-Kohima line gets overloaded in case of keeping this line in loop). At 03:32 Hrs on 14.06.18, 132 kV Imphal-Imphal I & II lines tripped. Due to tripping of these elements, Capital area & Karong area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	29	0.020	GD-I
11	NER	132 kV Palatana - Udaipur Line & 132 kV Monarchak - Udaipur Line	TSECL	15-Jun-2018	18:51:00	15-Jun-2018	19:21:00	00:30	Udaipur area of Tripura Power System was connected with rest of NER Grid through 132 kV Udaipur - Palatana line and 132 kV Udaipur - Monarchak line .66 kV Gakulnagar - Udaipur line, 66 kV Amarpur - Gumti line and 66 kV Belonia-Bagafa line kept open due to phase sequence issue. At 18:51 Hrs on 15.06.2018, 132 kV Udaipur - Palatana line and 132 kV Udaipur - Monarchak lines tripped. Due to tripping of these elements, Udaipur area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	32	0.016	GD-I
12	NER	132 kV Dimapur (PG) - Kohima Line	POWERGRID and DoP, Nagaland	16-Jun-2018	11:25:00	16-Jun-2018	11:40:00	00:15	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima, 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 11:25 Hrs on 16.06.2018, 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.	0	10	0.006	GD-I
13	NER	400 kV Killing (Byrnhat) - Silchar 1 Line, 400 kV Azara - Silchar 1 Line, 132 kV Khliehriat - Mustem Line, 132 kV NEIGRIHMS-Khliehriat Line & 220 kV Bus Coupler at Kopili	POWERGRID, NETC & MePTCL	18-Jun-2018	01:39:00	18-Jun-2018	02:14	00:35	Tripura Power System including South Comilla (Bangladesh) Power System, Southern part of Assam Power System, Manipur Power System, Mizoram Power System, part of Meghalaya Power System were connected with rest of NER Grid through 400 kV Silchar - Byrnhat line, 400 kV Silchar - Azara line, 132 kV Khliehriat - Mustem line, 132 kV Khliehriat - NEIGRIHMS line, 132 kV Dimapur - Imphal line and 220 kV Bus Coupler at Kopili (160 MVA ICT was connected with Bus-A; Misa 1, 2 & 3 lines, Unit 1,2,3 & 4 were connected with Bus-B). 132 kV Karong - Kohima line kept opened for overloading of 132 kV Dimapur - Kohima line. At 01:39:43 Hrs on 18.06.2018, 400 kV Silchar - Byrnhat and 400 kV Silchar - Azara lines tripped. Due to tripping of these lines, power flow (export from southern part of NER) was shifted to low capacity (132 kV lines) parallel corridor. Subsequently, 132 kV Khliehriat - NEIGRIHMS line (tripped at 01:39:45), 132 kV Khliehriat (ME) - Mustem line (tripped at 01:39:46), 132 kV Dimapur - Imphal line (tripped at 01:39:46) and 220 kV Bus Coupler at Kopili (tripped at 01:39:49) tripped. Due to tripping of these elements, Tripura Power System including South Comilla (Bangladesh) Power System, Southern part of Assam Power System, Manipur Power System, Mizoram Power System, part of Meghalaya Power System were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	870	405	0.236	GD-III
14	NER	132 kV Imphal (MSPCL) - Imphal (PG) 1 & 2 Lines	POWERGRID	18-Jun-2018	10:29:00	18-Jun-2018	10:42:00	00:13	Capital - Karong area of Manipur Power System were connected with rest of NER Grid through 132 kV Imphal-Imphal I & II lines (132 kV Kakching-Kongba line kept open due to overloading of 132 kV Loktak - Ningthoukhong line & 132 kV Karong-Kohima line kept open as 132 kV Dimapur(PG)-Kohima line gets overloaded in case of keeping this line in loop. At 10:29 Hrs on 18.06.2018, 132 kV Imphal - Imphal I & II lines tripped. Due to tripping of these elements, Capital - Karong area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	35	0.025	GD-I

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 Unserviced (MU)
				Date	Time	Date	Time						
15	NER	132 kV Lekhi - Pare Line	POWERGRID, DoP, AP & NEEPCO	21-Jun-2018	23:30:00	21-Jun-2018	23:55:00	00:25	Lekhi - Capital area of Arunachal Pradesh Power System & Gohpur area of Assam Power System were connected with rest of NER Grid through 132 kV Pare - Lekhi line (132 kV Bus Coupler at Gohpur was kept opened for overloading of 132 kV Pare - Lekhi Line). At 23:30 Hrs on 21.06.2018, 132 kV Pare - Lekhi line tripped. Due to tripping of this element, Lekhi - Capital area of Arunachal Pradesh Power System & Gohpur area of Assam Power System were separated from rest of NER Grid and subsequently collapsed due to no source in these areas.	0	55	0.023	GD-I
16	NER	132 kV Lekhi - Pare Line	POWERGRID, DoP, AP & NEEPCO	22-Jun-2018	06:50:00	22-Jun-2018	08:49:00	01:59	Lekhi - Capital area of Arunachal Pradesh Power System & Gohpur area of Assam Power System were connected with rest of NER Grid through 132 kV Pare - Lekhi line (132 kV Bus Coupler at Gohpur was kept opened for overloading of 132 kV Pare - Lekhi Line). At 06:50 Hrs on 22.06.2018, 132 kV Pare - Lekhi line tripped. Due to tripping of this element, Lekhi - Capital area of Arunachal Pradesh Power System and Gohpur area of Assam Power System were separated from rest of NER Grid and subsequently collapsed due to no source in these area.	0	55	0.024	GD-I
17	NER	132 kV Imphal (MSPCL) - Imphal (PG) 1 & 2 Lines	POWERGRID & MSPCL	23-Jun-2018	10:04:00	23-Jun-2018	10:14:00	00:10	Capital - Karong area of Manipur Power System were connected with rest of NER Grid through 132 kV Imphal-Imphal I & II lines, 132 kV Kakching-Kongba line kept open for overloading of 132 kV Loktak - Ningthoukhong & 132 kV Karong-Kohima line kept open as 132 kV Dimapur(PG) - Kohima line gets overloaded in case of keeping this line in loop. At 10:04 Hrs on 23.06.2018, 132 kV Imphal-Imphal I & II lines tripped. Due to tripping of these elements, Capital - Karong area were separated from rest of NER Grid and subsequently collapsed due to no source in these areas.	0	48	0.011	GD-I
18	NER	132 kV Dimapur (PG) - Kohima Line	POWERGRID & DoP, Nagaland	23-Jun-2018	12:45:00	23-Jun-2018	13:06:00	00:21	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima, 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 12:45 Hrs on 23.06.2018, 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	15	0.008	GD-I
19	NER	132 kV Lekhi - Pare Line	POWERGRID, DoP, AP & NEEPCO	23-Jun-2018	12:37:00	23-Jun-2018	13:06:00	00:29	Lekhi - Capital area of Arunachal Pradesh Power System & Gohpur area of Assam Power System were connected with rest of NER Grid through 132 kV Pare - Lekhi line (132 kV Bus Coupler at Gohpur was kept opened for overloading of 132 kV Pare - Lekhi Line). At 12:37 Hrs on 23.06.2018, 132 kV Pare - Lekhi line tripped. Due to tripping of this element, Lekhi - Capital area of Arunachal Pradesh Power System & Gohpur area of Assam Power System were separated from rest of NER Grid and subsequently collapsed due to no source in these area.	0	35	0.017	GD-I
20	NER	132 kV Dimapur (PG) - Kohima Line	POWERGRID & DoP, Nagaland	24-Jun-2018	12:10:00	24-Jun-2018	12:21:00	00:11	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima, 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 12:10 Hrs on 24.06.2018, 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.	16	23	0.004	GD-I
21	NER	132 kV Dimapur (PG) - Kohima 1 Line	POWERGRID & DoP, Nagaland	24-Jun-2018	12:49:00	24-Jun-2018	12:58:00	00:09	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(Cause: Overloading of 132 kV Dimapur - Kohima line), 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 12:49 Hrs on 24.06.2018, 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	10	0.002	GD-I

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						
22	NER	132 kV Lekhi - Nirjuli 1 Line	DoP, AP & POWERGRID	25-Jun-2018	16:25:00	25-Jun-2018	18:40:00	02:15	Capital area of Arunachal Pradesh Power System and Gohpur area of Assam Power System were connected with rest of NER Grid through 132 kV Lekhi - Nirjuli line (132 kV Bus Coupler at Gohpur was kept opened for overloading of 132 kV Pare - Lekhi Line). At 16:25 Hrs on 25.06.2018, 132 kV Lekhi - Nirjuli line tripped. Due to tripping of this element, Capital area of Arunachal Pradesh Power System and Gohpur area of Assam Power System were separated from rest of NER Grid and subsequently collapsed due to no source in these area.	0	14	0.043	GD-I
23	NER	132 kV Dimapur (PG) - Kohima 1 Line	POWERGRID & DoP, Nagaland	26-Jun-2018	08:33:00	26-Jun-2018	08:50:00	00:17	Capital area of Nagaland Power System was connected with rest of NER Grid through 132 kV Dimapur(PG) - Kohima (DoP, Nagaland) line. 132 kV Karong - Kohima line kept idle charged from Kohima, 132 kV Wokha - Kohima line was kept open (Cause : improper relay co-ordination of 132 kV Dimapur - Kohima - Wokha link) and 66 kV Tuensang - Likhimro line kept open (Cause : construction activities). At 08:33 Hrs on 26.06.2018, 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	24	0.002	GD-I
24	NER	132 kV Imphal (MSPCL) - Imphal (PG) 1 & 2 Lines	POWERGRID & MSPCL	26-Jun-2018	11:30:00	26-Jun-2018	11:44:00	00:14	Capital - Karong area of Manipur Power System were connected with rest of NER Grid through 132 kV Imphal-Imphal I & II lines (132 kV Kakching-Kongba line kept open due to overloading of 132 kV Lottak - Ningthongkhong line & 132 kV Karong-Kohima line kept open as 132 kV Dimapur(PG)-Kohima line gets overloaded in case of keeping this line in loop. At 11:30 Hrs on 26.06.2018, 132 kV Imphal (MSPCL) - Imphal(PG) I & II lines tripped. Due to tripping of these elements, Capital - Karong area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	46	0.029	GD-I
25	NER	132 kV Lekhi - Pare 1 Line	NEEPCO, DoP, AP & POWERGRID	26-Jun-2018	12:12:00	26-Jun-2018	12:22:00	00:10	Lekhi - Capital area of Arunachal Pradesh Power System & Gohpur area of Assam Power System were connected with rest of NER Grid through 132 kV Pare- Lekhi line (132 kV Bus Coupler at Gohpur was kept opened for overloading of 132 kV Pare - Lekhi Line). At 12:12 Hrs on 26.06.2018, 132 kV Pare - Lekhi line tripped. Due to tripping of this element, Lekhi - Capital area of Arunachal Pradesh Power System & Gohpur area of Assam Power System were separated from rest of NER Grid and subsequently collapsed due to no source in these area.	110	42	0.007	GD-I
26	NER	132 kV Balipara - Khupi 1 Line	NEEPCO & DoP, AP	27-Jun-2018	04:39:00	27-Jun-2018	05:21:00	00:42	Khupi area of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Balipara - Khupi line. At 04:39 Hrs on 27.06.18, 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	21	0.022	GD-I
27	NER	132 kV Ranganadi - Ziro 1 Line	POWERGRID	29-Jun-2018	18:40:00	29-Jun-2018	18:48:00	00:08	Ziro area (Ziro, Daporijo, Along, Pasighat, Roing, Tezu and Namsai) of Arunachal Pradesh Power System was connected with rest of NER Grid through 132 kV Ranganadi - Ziro line. At 18:40 Hrs on 20.06.2018, 132 kV Ranganadi - Ziro line tripped. Due to tripping of this element, Ziro area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	22	0.040	GD-I
28	NER	132 kV Balipara - Khupi 1 Line	NEEPCO & DoP, AP	30-Jun-2018	13:59:00	30-Jun-2018	14:22:00	00:23	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 30.06.2018, 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	0.018	GD-I

Major Grid Events for June, 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 Unserved (MU)	Category as per CEA Grid Standards
				Date	Time	Date	Time						
1	NER	AGBPP Unit 7	NEEPCO	01-Jun-2018	11:19:00	01-Jun-2018	12:00:00	00:41:00	AGBPP Unit 7 tripped at 11:19 Hrs on 01.06.2018 due to Turbine bearing temperature high. (Revision of schedule from Block No.49 on 01.06.2018).	24	Nil	0.016	GI-II
2	NER	Palatana GTG-2	OTPCL	01-Jun-2018	21:06:00	01-Jun-2018	21:45:00	00:39:00	Palatana GTG 2 tripped at 21:06 Hrs on 01.06.2018 due to Hydraulic Pressure Low. (Revision of schedule from Block No.88 on 01.06.2018)	25	Nil	0.016	GI-II
3	NER	Pare Unit 1	NEEPCO	05-Jun-18	17:58:00	05-Jun-18	19:00:00	01:02:00	Pare Unit 1 tripped at 17:58 Hrs on 05.06.2018 due to Low cooling water flow. (Revision of schedule from Block No.77 on 05.06.2018).	42	Nil	0.043	GI-I
4	NER	Pare Unit 1	NEEPCO	05-Jun-18	20:21:00	05-Jun-18	21:00:00	00:39:00	Pare Unit 1 tripped at 20:21 Hrs on 05.06.2018 due to Low cooling water flow. (Revision of schedule from Block No.85 on 05.06.2018).	54	Nil	0.035	GI-I
5	NER	Khandong Unit 2	NEEPCO	06-Jun-18	02:20:00	06-Jun-2018	03:45:00	01:25:00	Khandong Unit 2 tripped at 02:20 Hrs on 06.06.2018 due to Rotor Earth Fault. (Revision of schedule from Block No.16 on 06.06.2018).	18	Nil	0.017	GI-I
6	NER	Khandong Unit 2	NEEPCO	07-Jun-18	06:25:00	07-Jun-2018	07:30:00	01:05:00	Khandong Unit 2 tripped at 06:25 Hrs on 07.06.2018 due to High thrust bearing temperature. (Revision of schedule from Block No.31 on 07.06.2018).	19	Nil	0.017	GI-I
7	NER	Pare Unit 2	NEEPCO	08-Jun-18	08:43:00	08-Jun-18	10:00:00	01:17:00	Pare Unit 2 tripped at 08:43 Hrs on 08.06.2018 due to excitation problem. (Revision of schedule from Block No.41 on 08.06.2018).	54	Nil	0.069	GI-I
8	NER	Palatana GTG-2 and STG-2	OTPCL	09-Jun-18	18:09:00	09-Jun-2018	18:45:00	00:36:00	Palatana GTG 2 & STG 2 tripped at 18:09 Hrs on 09.06.2018 due to generator protection operation. (Revision of schedule from Block No.76 on 09.06.2018)	254	Nil	0.152	GI-II

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event (Brief Details)	Generation Loss (MW)	Load Loss MW	Energy Unserved (MU)	Category as per CEA Grid Standards
				Date	Time	Date	Time						
9	NER	AGTCCPP Unit 3 and STG-2	NEEPCO	10-Jun-18	05:06:00	10-Jun-2018	05:45:00	00:39:00	AGTCCPP Unit 3 & STG-2 tripped at 05:06 Hrs on 10.06.2018 due to diverter damper problem. (Revision of schedule from Block No.24 on 10.06.2018).	39	Nil	0.050	GI-I
10	NER	AGBPP Unit 2 and Unit 4	NEEPCO	10-Jun-18	16:01:00	10-Jun-2018	16:45:00	00:44:00	AGBPP Unit 2 & 4 tripped at 16:01 Hrs on 10.06.2018 due to tripping of gas compressor. (Revision of schedule from Block No.68 on 10.06.2018).	60	Nil	0.012	GI-II
11	NER	AGBPP Unit 3	NEEPCO	15-Jun-18	13:08:00	15-Jun-18	13:45:00	00:37:00	AGBPP Unit 3 tripped at 13:08 Hrs on 15.06.2018 due to operation of 87 GT5 relay (generator transformer differential protection). (Revision of schedule from Block No.56 on 15.06.2018).	30	Nil	0.019	GI-II
12	NER	AGTCCPP Unit 4	NEEPCO	15-Jun-18	18:51:00	15-Jun-18	19:30:00	00:39:00	AGTCCPP Unit 4 tripped at 18:51 Hrs on 15.06.18 due to Over-Current. (Revision of schedule from Block No.79 on 15.06.18)	18	Nil	0.012	GI-I
13	NER	BgTPP Unit 2	NTPC	18-Jun-2018	17:15:00	18-Jun-2018	18:00:00	00:45:00	BgTPP Unit 2 tripped at 17:15 Hrs on 18.06.2018 due to drum level low. (Revision of schedule from Block No.73 on 18.06.2018).	180	Nil	0.135	GI-II
14	NER	BgTPP Unit 1	NTPC	19-Jun-2018	23:04:00	20-Jun-2018	00:00:00	00:56:00	BgTPP Unit 1 tripped at 23:04 Hrs on 19.06.2018 due to Loss of all fuel. (Revision of schedule from Block No. 01 on 20.06.2018).	236	Nil	0.220	GI-II
15	NER	AGBPP Unit 3	NEEPCO	23-Jun-2018	12:05:00	23-Jun-18	12:45:00	00:40:00	AGBPP Unit 3 tripped at 12:05 Hrs on 23.06.18 due to Machine Issue. (Revision of schedule from Block No.52 on 23.06.18)	30	Nil	0.020	GI-II
16	NER	AGBPP Unit 3, 4, 5, 6, 8 and 9	NEEPCO	25-Jun-2018	17:38:00	25-Jun-2018	18:45:00	01:07:00	AGBPP Units 3, 4, 5, 6, 8 & 9 tripped at 17:38 Hrs on 25.06.2018 due to Voltage Jerk. (Revision of schedule from Block No.76 on 25.06.2018).	164	Nil	0.183	GI-II
17	NER	Palatana GTG-1	OTPCL	27-Jun-2018	09:20:00	27-Jun-2018	10:00:00	00:40:00	Palatana GTG 1 tripped at 09:20 Hrs on 27.06.2018 due to Loss of flame. (Revision of schedule from Block No.41 on 27.06.2018).	230	Nil	0.153	GI-II
18	NER	Kopili Unit 1	NEEPCO	28-Jun-2018	08:55:00	28-Jun-18	09:45:00	00:50:00	Kopili Unit 1 tripped at 08:55 Hrs on 28.06.2018 due to Oil pressure unit leakage. (Revision of schedule from Block No.40 on 28.06.2018).	37	Nil	0.031	GI-II

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event (Brief Details)	Generation Loss (MW)	Load Loss MW	Energy Unserved (MU)	Category as per CEA Grid Standards
				Date	Time	Date	Time						
19	NER	Kopili Unit 3	NEEPCO	29-Jun-2018	16:06:00	29-Jun-2018	17:30:00	01:24:00	Kopili Unit 3 tripped at 16:06 Hrs on 29.06.2018 due to Reverse power flow. (Revision of schedule from Block No.71 on 29.06.2018).	43	Nil	0.060	GI-II