Details of Grid Events during the Month of February 2021 in Northern Region

Sl No.	Category of Grid Event (GI 1or 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event		Antecedent Generation/Load in the Regional Grid*		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	HARYANA	02-Feb-2021 10:23	02-Feb-2021 12:54	02:31	0	300	0.000	0.610	40046	49192	220 KV Abdullapur(PG)-Tepla(HV) (HVPNL) Ckt-2 tripped on R-B phase to phase fault. Fault occurred due to snapping of 220 KV Abdullapur(PG)-Tepla(HV) (HVPNL) Ckt-2 Red phase jumper. Fault distance was 56.1km from Abdullapur end. Fault current was Ir=3.9kA & Ib=4.3kA. At the same time 220 KV Abdullapur(PG)-Tepla(HV) (HVPNL) Ckt-1 also tripped. As per PMU, R-B phase to phase fault is observed which later converted into 3 phase fault. Load loss of approx. 300MW is observed. In antecedent condition, 220 KV Abdullapur(PG)-Tepla(HV) (HVPNL) Ckt-1 & Ckt-2 carrying 96MW each.	1) 220 KV Abdullapur(PG)-Tepla(HV) (HVPNL) Ckt-1 2) 220 KV Abdullapur(PG)-Tepla(HV) (HVPNL) Ckt-2
2	GD-1	UTTRAKHAND	04-Feb-2021 23:34	05-Feb-2021 07:53	08:19	16	0	0.065	0.000	24732	33208	220 KV Tanakpur(NH)-CBGanj(UP) (PG) Ckt-1 & 132 KV Mahendra Nagar(PG)-Tanakpur(NH) (PG) Ckt-1 tripped on over voltage. At the same time, 40MW unit-2 at Tanakpur(NH) also got tripped due to tripping of evacuating lines. As per PMU, no fault is observed. As per SCADA, Bus voltage at Tanakpur was 231kV before the tripping. In antecedent condition, 220 KV Tanakpur(NH)-CBGanj(UP) (PG) Ckt-1, 132 KV Mahendra Nagar(PG)-Tanakpur(NH) (PG) Ckt-1 & unit-2 at Tanakpur(NH) carrying 46MW, 61MW & 16MW respectively.	1) 132 KV Mahendra Nagar(PG)-Tanakpur(NH) (PG) Ckt-1 2) 220 KV Tanakpur(NH)-CBGanj(UP) (PG) Ckt-1
3	GD-1	HARYANA	08-Feb-2021 15:52	08-Feb-2021 16:42	00:50	0	100	0.000	0.239	34529	41896	220kV Hissar IA - Masudpur (HV) Ckt-1 tripped on R-N phase to earth fault. Fault occurred due to damage of R-ph LA & Wavetrap of 220kV Hissar IA - Masudpur (HV) Ckt-1. At the same time, 220 KV Hissar(BB)-Hissar IA(HV) (HVPNL) Ckt-1 & Ckt-2, 220KV Hissar(PG)-Hissar IA(HV) (PG) Ckt-1, 220kV Hissar IA -Nawana(HV) Ckt-1 and 220KV Hissar(PG)-Hissar IA(HV) (PG) Ckt-1 all tripped on Bus Bar protection operation. As per PMU, B-N phase to earth fault with delayed clearance of 2800ms is observed. As per SCADA, load loss of approx. 100MW is observed. In antecedent condition, 220kV Hissar IA - Masudpur (HV) Ckt-1 & Ckt-2, 220 KV Hissar(BB)-Hissar IA(HV) (HVPNL) Ckt-1 & Ckt-2 and 20KV Hissar(PG)-Hissar IA(HV) (PG) Ckt-1 carrying 20MW, 29MW, 108MW, 97MW & 88MW respectively.each.	1) 220 KV Hissar(BB)-Hissar IA(HV) (BBMB) Ckt-2 2) 220 KV Hissar(BB)-Hissar IA(HV) (HVPNL) Ckt-1 3) 220KV Hissar(PG)-Hissar IA(HV) (PG) Ckt-1 4) 220kV Hissar IA - Masudpur (HV) Ckt-1 5) 220kV Hissar IA - Masudpur (HV) Ckt-2 6) 220kV Hissar IA -Nawana(HV) Ckt-1
4	GI-1	HARYANA	09-Feb-2021 10:29	09-Feb-2021 12:50	02:21	0	0	0.000	0.000	40116	52262	220kV Hissar IA - Masudpur (HV) Ckt-1 tripped on R-N phase to earth fault. Fault occurred due to snapping of R-ph jumper of Bus isolator of 220kV Hissar IA - Masudpur (HV) Ckt-1. At the same time, 220 KV Hissar(BB)-Hissar IA(HV) (HVPNL) Ckt-1 & Ckt-2, 220KV Hissar(PG)-Hissar IA(HV) (PG) Ckt-1 and 220kV Hissar IA -Nawana(HV) Ckt-1 all tripped on Bus Bar protection operation. As per PMU, B-N phase to earth fault is observed. In antecedent condition, 220kV Hissar IA - Masudpur (HV) Ckt-1, 220kV Hissar(BB)-Hissar IA(HV) (HVPNL) Ckt-1 & Ckt-2, 220kV Hissar(PG)-Hissar IA(HV) (PG) Ckt-1 and 220kV Hissar IA-Nawana(HV) Ckt-1 carrying 60MW, 186MW, 205MW, 103MW & 45MW respectively.	1) 220 KV Hissar(BB)-Hissar IA(HV) (HVPNL) Ckt-1 2) 220 KV Hissar(BB)-Hissar IA(HV) (BBMB) Ckt-2 3) 220kV Hissar IA - Masudpur (HV) Ckt-1 4) 220KV Hissar(PG)-Hissar IA(HV) (PG) Ckt-1 5) 220kV Hissar IA -Nawana(HV) Ckt-1
5	GD-1	HARYANA	11-Feb-2021 17:11	11-Feb-2021 18:30	01:19	0	180	0.000	0.420	34608	42861	400/220 kV 500 MVA ICT 1 at Bhiwani(BB) tripped on Over Current protection operation followed by tripping of 220kV Bhiwani-Hissar (BB) Ckt-2. As per PMU, R-N phase to earth fault followed by Y-N phase to earth fault is observed. As per SCADA, load loss of approx. 180MW is observed. In antecedent condition, 400/220 kV 500 MVA ICT 1 & 220kV Bhiwani-Hissar (BB) Ckt-2 carrying 236MW & 25MW respectively.	1) 220 KV Bhiwani-Hissar (BB) Ckt-2 2) 400/220 kV 500 MVA ICT 1 at Bhiwani(BB)
6	GD-1	NEW DELHI	13-Feb-2021 07:15	13-Feb-2021 13:00	05:45	0	260	0.000	0.618	33843	42039	400 kV Bawana CCGTB(DTL)-Bahadurgarh(PG) (PG) Ckt-1 tripped on R-N phase to earth fault. Fault occurred due to tracking on the line side support insulator of R phase insulator. Tracking caused operation of TEED differential protection. At the same time, 400 kV Bawana CCGTB(DTL)-Bhiwani(PG) (PG) Ckt-1 also tripped. As all generation sources were already out and tripping of these two lines lead to dead bus condition at Bawana CCGT. As per PMU, R-N phase to earth fault is observed. As per SCADA, load loss of approx 260MW is observed. In antecedent condition, 400 KV Bawana CCGTB(DTL)-Bahadurgarh(PG) (PG) Ckt-1 & 400 KV Bawana CCGTB(DTL)-Bhiwani(PG) (PG) Ckt-1 carrying 239MW & 166MW respectively.	1) 400 KV Bawana CCGTB(DTL)-Bahadurgarh(PG) (PG) Ckt-1 2) 400 KV Bawana CCGTB(DTL)-Bhiwani(PG) (PG) Ckt-1
7	GD-1	HARYANA	13-Feb-2021 10:19	13-Feb-2021 16:45	06:26	0	230	0.000	0.449	37699	51176	220 KV Bahadurgarh(PG)-Nuna Majra(HV) (HVPNL) Ckt-1 & Ckt-2 both tripped on B-N phase to earth fault. As per PMU, B-N phase to earth fault is observed. In antecedent condition, 220 KV Bahadurgarh(PG)-Nuna Majra(HV) (HVPNL) Ckt-1 & Ckt-2 carrying 70MW each.	1) 220 KV Bahadurgarh(PG)-Nuna Majra(HV) (HVPNL) Ckt-1 2) 220 KV Bahadurgarh(PG)-Nuna Majra(HV) (HVPNL) Ckt-2
8	GD-1	RAJASTHAN	15-Feb-2021 12:28	15-Feb-2021 13:09	00:41	0	460	0.000	0.936	36763	49168	400/220 kV 315 MVA ICT 1 & ICT 2 at Chittorgarh(RS) tripped on over loading. As per PMU, no fault is observed. As per SCADA, load loss of approx. 460MW is observed. In antecedent condition, 400/220 kV 315 MVA ICT 1 & ICT 2 at Chittorgarh(RS) carrying approx. 257MW each.	1) 400/220 kV 315 MVA ICT 2 at Chittorgarh(RS) 2) 400/220 kV 315 MVA ICT 1 at Chittorgarh(RS)
9	GI-2	HIMACHAL PRADESH	19-Feb-2021 11:20	19-Feb-2021 12:52	01:32	0	0	0.000	0.000	37109	50092	400 KV Nathpa Jhakri(SJ)-Rampur HEP(SJ) (PG) Ckt-1 & Ckt-2, 400 KV Nathpa Jhakri(SJ)-Karcham Wangtoo(JSW) (HBPCL) Ckt-1 & Ckt-2, 400 KV Nathpa Jhakri(SJ)-Panchkula(PG) (PG) Ckt-1 and and 400 KV Nathpa Jhakri(SJ)-Gumma (HP) (PG) Ckt-2 all tripped on Bus Bar protection operation of Bus 1. Leakage of SF6 gas in bus isolator(Q2) had reduced the dielectric strength which lead to flash over of isolator which further lead to the operation of Bus Bar protection. As per PMU, Y-N phase to earth fault is observed. In antecedent condition, 400 KV Nathpa Jhakri(SJ)-Rampur HEP(SJ) (PG) Ckt-1 & Ckt-2, 400 KV Nathpa Jhakri(SJ)-Karcham Wangtoo(JSW) (HBPCL) Ckt-1 & Ckt-2, and and 400 KV Nathpa Jhakri(SJ)-Gumma (HP) (PG) Ckt-2 carrying 139MW, 140MW, 90MW, 92MW & 52MW respectively.	1) 400KV Bus 3 at Nathpa Jhakri(SJ) 2) 400KV Bus 1 at Nathpa Jhakri(SJ) 3) 400 KV Nathpa Jhakri(SJ)-Rampur HEP(SJ) (PG) Ckt-1 4) 400KV Bus 2 at Nathpa Jhakri(SJ) 5) 400 KV Nathpa Jhakri(SJ)-Rampur HEP(SJ) (PG) Ckt-2 6) 400 KV Nathpa Jhakri(SJ)-Karcham Wangtoo(JSW) (HBPCL) Ckt-2 7) 400 KV Nathpa Jhakri(SJ)-Panchkula(PG) (PG) Ckt-1 8) 400 KV Nathpa Jhakri(SJ)-Gumma (HP) (PG) Ckt-2 9) 400KV Bus 4 at Nathpa Jhakri(SJ) 10) 400 KV Nathpa Jhakri(SJ)-Karcham Wangtoo(JSW) (HBPCL) Ckt-1 11) 400/22 kV 25 MVA ST 1 at Nathpa Jhakri(SJ)
10	GD-1	RAJASTHAN	19-Feb-2021 15:26	20-Feb-2021 02:41	11:15	1300	0	3.915	0.000	33205	40928	220 KV Bhadla(PG)-ACME Solar(ACM) (UNDEF) Ckt-1, 220 KV Bhadla(PG)-Bhadla Solar(Adani) (UNDEF) Ckt-1 & Ckt-2, 220 KV Bhadla(PG)-Mahoba Solar(Adani) (UNDEF) Ckt-1, 220 KV Bhadla(PG)-Saurya Urja Solar(SU) (UNDEF) Ckt-1 & Ckt-2, 220 KV Bhadla(PG)-TPREL Solar(TP) (UNDEF) Ckt-1 and 400/220 kV 500 MVA ICT 2 & ICT 3 at Bhadla(PG) all tripped on Bus Bar protection operation at bus 1 due to flash over in B-phase compartment of Bus 1 isolator of Mahoba line. As per PMU, B-N phase to earth fault is observed. As per SCADA, generation loss of approx 1300MW is observed. In antecedent condition, 400/220 kV 500 MVA ICT 1,2,3 & 4 at Bhadla(PG) carrying approx. 220MW each.	1) 220 KV Bhadla(PG)-ACME Solar(ACM) (UNDEF) Ckt-1 2) 220 KV Bhadla(PG)-Bhadla Solar(Adani) (UNDEF) Ckt-1 3) 220 KV Bhadla(PG)-Bhadla Solar(Adani) (UNDEF) Ckt-2 4) 220 KV Bhadla(PG)-Mahoba Solar(Adani) (UNDEF) Ckt-1 5) 220 KV Bhadla(PG)-Saurya Urja Solar(SU) (UNDEF) Ckt-1 6) 220 KV Bhadla(PG)-Saurya Urja Solar(SU) (UNDEF) Ckt-2 7) 220 KV Bhadla(PG)-TPREL Solar(TP) (UNDEF) Ckt-1 8) 400/220 kV 500 MVA ICT 2 at Bhadla(PG) 9) 400/220 kV 500 MVA ICT 3 at Bhadla(PG)

Details of Grid Events during the Month of February 2021 in Northern Region

Sl No.	Category of Grid Event (GI 1or 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event		Antecedent Generation/Load in the Regional Grid*		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
11	GD-1	NEW DELHI	20-Feb-2021 06:47	20-Feb-2021 16:04	09:17	125	0	0.396	0.000	31604	40388	400/220 kV 315 MVA ICT 1, ICT 4, ICT 5 & ICT 6 at Bawana(DV), 216 MW Bawana GPS - UNIT 4 and STG-2 at Bawana GPS all tripped on Bus Bar differential operation on Bus-II. Bus Bar protection operated due to tracking on Bus Post insulator. As per PMU, R-N phase to earth fault with delayed clearance of 600ms is observed. As per SCADA, generation loss of approx. 125MW is observed. In antecedent condition, 400/220 kV 315 MVA ICT 1, ICT 4, ICT 5 & ICT 6 at Bawana(DV) carrying approx 80MW each and 216 MW Bawana GPS - UNIT 4 and STG-2 at Bawana GPS carrying 66MW & 69MW respectively.	1) 400/220 kV 315 MVA ICT 5 at Bawana(DV) 2) 400/220 kV 315 MVA ICT 1 at Bawana(DV) 3) 400/220 kV 315 MVA ICT 4 at Bawana(DV) 4) 400/220 kV 315 MVA ICT 6 at Bawana(DV) 5) 216 MW Bawana GPS - UNIT 4
12	GI-2	HIMACHAL PRADESH	22-Feb-2021 12:20	22-Feb-2021 13:29	01:09	0	0	0.000	0.000	36202	48978	220 KV Budhil(LB)-Lahal(HP) (HPSEB) Ckt-1, 400/220 kV 315 MVA ICT 1 & ICT 2 at Lahal(HP) all tripped on Bus Bar protection on Bus-1. Bus bar protection operated due to flash over in Y-phase 220kV BUS -1 Voltage Transformer. As per PMU, Y-N phase to earth fault is observed..	1) 400/220 kV 315 MVA ICT 1 at Lahal(HP) 2) 400/220 kV 315 MVA ICT 2 at Lahal(HP) 3) 220 KV Budhil(LB)-Lahal(HP) (HPSEB) Ckt-1
13	GD-1	UTTAR PRADESH	23-Feb-2021 13:19	23-Feb-2021 16:12	02:53	900	0	2.554	0.000	35238	45462	Y-B-G double phase to ground fault occurred on 400 KV Anpara_B(UPUN)-Sarnath(UP) (UP) Ckt-2. Breaker failed to open at Anpara end which leads to LBB operation at Anpara end which result into tripping of 400 KV Anpara_B(UPUN)-Sarnath(UP) (UP) Ckt-2, 400 KV Anpara-Anpara_D (UP) Ckt-2, 400 KV Anpara_B(UPUN)-Anpara_C(LAN) (UP) Ckt-1, 400 KV Anpara_B(UPUN)-Mau(UP) (UP) Ckt-1 and 400 KV Anpara-Obra_B (UP) Ckt-1. Further, 500 MW Anpara TPS - UNIT 5 tripped due to evacuation constraint and 500 MW Anpara-D TPS - UNIT 1 tripped on loss of fuel due to tripping of ID Fan 6B and FD Fan 6B. As per PMU, B-N phase to earth fault followed by Y-B phase to phase fault is observed. As per SCADA, generation loss of approx. 900MW is observed.	1) 500 MW Anpara TPS - UNIT 5 2) 400 KV Anpara_B(UPUN)-Sarnath(UP) (UP) Ckt-2 3) 400 KV Anpara-Anpara_D (UP) Ckt-2 4) 400 KV Anpara_B(UPUN)-Anpara_C(LAN) (UP) Ckt-1 5) 500 MW Anpara-D TPS - UNIT 1 6) 400 KV Anpara_B(UPUN)-Mau(UP) (UP) Ckt-1 7) 400 KV Anpara-Obra_B (UP) Ckt-1
14	GD-1	UTTAR PRADESH	25-Feb-2021 11:31	25-Feb-2021 14:02	02:31	0	360	0.000	0.748	36607	48159	400KV Bus 2 at Kanpur(PG), 400KV Fatehpur-Kanpur (PG) Ckt-1 & Ckt-2, 400KV Kanpur-Kanpur(GIS) (PG) Ckt-1 & Ckt-2, 400KV Allahabad-Kanpur (PG) Ckt-1, 400 KV Kanpur(PG)-Panki(UP) (PG) Ckt-1 & Ckt-2 and 315MVA 400/220kV ICT 1 & ICT 2 at Kanpur(PG) all tripped on Bus Bar protection operation on Bus-II. R phase Interrupter of of Bus sectionalizer circuit breaker of BUS-2 got burst which lead to bus bar protection operation. As per PMU, R-N phase to earth fault is observed. As per SCADA, load loss of approx. 360MW is observed. In antecedent condition, 400KV Fatehpur-Kanpur (PG) Ckt-1 & Ckt-2, 400KV Kanpur-Kanpur(GIS) (PG) Ckt-1 & Ckt-2, 400KV Allahabad-Kanpur (PG) Ckt-1, 400 KV Kanpur(PG)-Panki(UP) (PG) Ckt-1 & Ckt-2 and 315MVA 400/220kV ICT 1 & ICT 2 at Kanpur(PG) carrying 337MW, 32MW, 440MW, 440MW, 150MW, 140MW, 140MW, 28MW & 26MW respectively.	1) 400 KV Kanpur(PG)-Panki(UP) (PG) Ckt-2 2) 400 KV Kanpur(PG)-Panki(UP) (PG) Ckt-1 400KV Bus 2 at 3) Kanpur(PG), SVC No 2(-140/+140MVAR) at 400 KV Kanpur(PG) 4) 400KV Allahabad-Kanpur (PG) Ckt-1 5) 400KV Fatehpur-Kanpur (PG) Ckt-1 6) 400KV Fatehpur-Kanpur (PG) Ckt-2 7) 400KV Kanpur-Kanpur (PG) Ckt-1 8) 400KV Kanpur-Kanpur (PG) Ckt-2
15	GD-1	J & K	27-Feb-2021 02:38	27-Feb-2021 05:24	02:46	423	0	1.611	0.000	26253	35159	R-N phase to earth fault occurred on 400kV Amaragarh-Samba Ckt-1. Fault distance was 128km from Amargarh end and fault current was 1.98kA. Main CB at Amargarh end failed to open and which further lead to bus bar protection operation at Amargarh Bus 1. Bus bar operation lead to tripping of 400kV Amaragarh-Samba Ckt-1&2 and 400kV Amaragarh- Uri_1 Ckt-1&2. At the same time, 400 KV Uri_2(NH)-Uri_1(NH) (PG) Ckt-1 tripped due to overcurrent. Subsequently, due to loss of evacuation path 120MW unit-1,2,3&4 all tripped. As per PMU, R-N phase to earth fault is observed, As per SCADA, generation loss of approx. 423MW is observed. In antecedent condition, 400kV Amaragarh-Samba Ckt-1&2, 400kV Amaragarh- Uri_1 Ckt-1&2 and 400 KV Uri_2(NH)-Uri_1(NH) (PG) Ckt-1 carrying 44MW, 44MW, 238MW, 240MW and 64MW respectively.	1) 400 KV Uri_1(NH)-Amargarh(NRSS XXIX) (NRSS XXIX) Ckt-1 2) 63 MVAR Bus Reactor No 1 at 400 KV Amargarh(NRSS XXIX) 3) 400 KV Amargarh(NRSS XXIX)-Samba(PG) (NRSS XXIX) Ckt-1 4) 400 KV Amargarh(NRSS XXIX)-Samba(PG) (NRSS XXIX) Ckt-2 5) 400 KV Uri_2(NH)-Uri_1(NH) (PG) Ckt-1 6) 400 KV Uri_1(NH)-Amargarh(NRSS XXIX) (NRSS XXIX) Ckt-2 7) 400KV Bus 1 at Amargarh(NRSS XXIX)
16	GD-1	UTTAR PRADESH	27-Feb-2021 09:14	27-Feb-2021 10:35	01:21	223	0	0.581	0.000	38378	48494	400KV Bus 1 at Anpara(UP), 210 MW Anpara TPS - UNIT 1 & UNIT 3 and 400/132 kV 100 MVA ICT 1 & ICT 2 at Anpara(UP) all tripped on LBB operation at Anpara end. As per PMU, no fault is observed. As per SCADA, generation loss of approx. 223MW is observed. In antecedent condition 210 MW Anpara TPS - UNIT 1 & UNIT 3 carrying 110MW & 113MW respectively.	1) 400/132 kV 100 MVA ICT 2 at Anpara(UP) 2) 210 MW Anpara TPS - UNIT 3 3) 210 MW Anpara TPS - UNIT 1 4) 400KV Bus 1 at Anpara(UP) 5) 400/132 kV 100 MVA ICT 1 at Anpara(UP)
17	GD-1	UTTAR PRADESH	27-Feb-2021 17:48	27-Feb-2021 19:56	02:08	0	130	0.000	0.301	35619	43206	Sparking occurred on LV side Isolator of 440/220kV ,315 MVA ICT-I. During the event 400/220 kV 315 MVA ICT 1, ICT 2 & ICT 3 at Bareilly(UP) and all 220kV feeders from Bareilly(UP) all tripped on Bus I-II Bus Bar protection operation. As per PMU, Y-B phase to phase fault with delayed clearance of 880ms is observed. As per SCADA, load loss of approx. 130MW is observed. In antecedent condition, 400/220 kV 315 MVA ICT 1, ICT 2 & ICT 3 carrying approx. 95MW each.	1) 220 KV Pithoragarh(PG)-Bareilly(UP) (PG) Ckt-1 2) 400/220 kV 315 MVA ICT 1 at Bareilly(UP) 3) 400/220 kV 315 MVA ICT 2 at Bareilly(UP) 4) 220 KV Sitarganj(PG)-CBGanj(UP) (PG) Ckt-1 5) 400/220 kV 315 MVA ICT 3 at Bareilly(UP) 6) 220 KV Dhauliganga(NH)-Bareilly(UP) (PG) Ckt-1
18	GI-2	UTTAR PRADESH	28-Feb-2021 02:58	28-Feb-2021 05:25	02:27	0	0	0.000	0.000	27108	35443	400KV Bus 2 at Bareilly(UP), 400 KV Bareilly-Unnao (UP) Ckt-1, 400 KV Bareilly(UP)-Bareilly(PG) (PG) Ckt-1 and 400/220 kV 315 MVA ICT 3 at Bareilly(UP) all tripped on Bus Bar protection operation on Bus-2. Bus fault occurred due to kite thread fall on Bus-2. As per PMU, B-N phase to earth fault is observed. in antecedent condition, 400 KV Bareilly-Unnao (UP) Ckt-1, 400 KV Bareilly(UP)-Bareilly(PG) (PG) Ckt-1 and 400/220 kV 315 MVA ICT 3 at Bareilly(UP) carrying 289MW, 69MW and 156MW respectively.	1) 400 KV Bareilly-Unnao (UP) Ckt-1 2) 400KV Bus 2 at Bareilly(UP) 3) 400 KV Bareilly(UP)-Bareilly(PG) (PG) Ckt-1 4) 400/220 kV 315 MVA ICT 3 at Bareilly(UP)

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	(GI 1or 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	WR	01-Feb-21 12:35	01-Feb-21 12:47	00:12	9	103	0.01%	0.17%	68463	60257	220 kV Karad- Ogalewadi 1 was under shutdown for CT metering and protection core separation work at Karad s/s. At 12:35 Hrs/01-02-2021, while carrying out the work in 220 kV Ogalewadi 1, all the elements connected to 220 kV Karad bus 1 tripped. It was suspected that DC positive got extended to LBB trip bus. At the same time, all the elements connected to 220 kV Karad bus 2 also tripped. 220 kV Karad bus 2 tripped due to the reverse zone distance protection operation of 220 kV Dasgaon(Reverse zone is configured as back up for bus bar protection). 220kV Ogalewadi station blacked out during the event. As reported by MSETCL, in 220 kV Bus 2 PT marshalling box, all three phase fuses were found blown and through 220 kV Bus 1 PT, voltage was given to relays connected to 220 kV Bus 2. Now blown fuses are replaced & Bus 1 PT voltage extended to Bus 2 PT secondary ciruit is removed. Bus 1&2 PT voltages are checked & found in order.	Tripping of 1. 400/220 kV Karad ICTs 1,2&3 2. 220 kV Karad- Ogalewadi 2 3. 220 kV Karad- Sadawaghapur 1&2 4. 220 kV Karad- Vita 1&2 5. 220 kV Karad- Mudshinghi 2&4 6. 220 kV Karad- Dasgaon 7. 220 kV Karad- Malharpeth 8. 220 kV Karad-Nigade 9.220 kV Karad-Kiniwathar 10.220 kV Karad-Nerle
2	GD-1	WR	14-Feb-21 14:05	14-Feb-21 14:18	00:13	-	450	-	0.80%	64629	56344	At 14:03 Hrs/14-02-2021 220 kV Kolhpur Ichalkaranji 2 tripped on B-E fault. As reported by SLDC Maharashtra, 220 kV Kolhpur Ichalkaranji 1 tripped on backup overcurrent protection & all Other 220 kV Feeders at Miraj and Ichalkaranji also tripped at the same time on backup over current protection. There was a load loss of around 450 MW due to the event.	Tripping of 1. 220 kV Kolhapur-Ichalkaranji 1&2 2. 220 kV Miraj-Ichalkaranji 3. 220 kV Miraj- Alkud 4. 220 kV Miraj- Karad 5. 220 kV Miraj- Mhaisal 6. 220 kV Alkud-Vita
3	GD-1	WR	22-Feb-21 09:45	22-Feb-21 10:11	00:26	196	-	0.29%	-	66709	57087	At 09:45 Hrs/22-02-2021, 400/220 kV SSP ICT-1 tripped on pole discrepancy relay operation. Due to loss of evacuation path, all running units (4 No of Units i.e unit-2, unit-3, unit-4 & unit-5) at SSP CHPH tripped. There was a generation loss of around 196 MW due to the event. Prior to the event 400/220 kV SSP ICT-2 was under planned outage.	Tripping of 1. 400/220 kV SSP ICT 1 2. 50 MW CHPH Units 2,3,4&5
4	GD-1	WR	26-Feb-21 09:28	26-Feb-21 09:40	00:12	-	560	-	0.96%	64697	58622	On 26-02-2021 at 09:28 Hrs. planned shutdown was availed on 400kV Raita-Kurud for annual maintenance works. At the same time, 220/132 kV 160 MVA ICTs 1&2 at Paraswani and Saraipali tripped on over current protection operation at 132 kV side. As intimated by SLDC Chhatisgarh, there was a load loss of around 560 MW due to the tripping of these ICTs.	Tripping of 1. 220/132 kV Saraipali ICTs 1&2 2. 220/132 kV Paraswani ICTs 1&2
5	GD-1	WR	26-Feb-21 12:16	26-Feb-21 12:42	00:26	-	300	-	0.51%	64774	58739	On 26-02-2021 at 11:13hrs, 400 kV Kurud-Jagdalpur tripped on DT receipt from Jagdalpur end while switching off LR for Voltage Regulation at Jagdalpur end by Chattisgarh. As per CSLDC, voltage was around 393 kV at jagdalpur.At 12:16 Hrs, 400 kV Raita-Jagdalpur tripped on over-voltage while charging of 400kV Kurud-Jagdalpur line. Due to this tripping, both Jagdalpur and Kurud s/s became dead and a load loss of around 300 MW was observed at Kurud and Jagadalpur.Prior to the event, 400kV Raita-Kurud was under planned shutdown for annual maintenance works.	Tripping of 1. 400 kV Raita-Kurud 2. 400 kV Kurud-Jagdalpur

Details of Grid Events during the Month of February 2021 in Eastern Region

Sl No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the Regional Grid during the Grid Event		Antecedent Generation/Load in the Regional Grid		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1 or 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	Tashiding HEP	15-02-2021 14:30	15-02-2021 15:36	01:06	34	0	0.15%	0.00%	22582	14655	On 15-02-2021, 220 kV THEP – New Melli S/C was under shutdown and unit 1 at Tashiding HEP was under annual overhauling. Tashiding was connected to rest of the grid via 220 kV THEP – Rangpo S/C. At 14:30 hrs, 220 kV THEP – Rangpo S/C tripped on B phase to earth fault resulting in grid disturbance at THEP.	220 kV THEP – Rangpo S/C
2	GD-1	Tashiding HEP	17-02-2021 19:56	17-02-2021 20:47	00:51	48	0	0.20%	0.00%	24285	18323	On 17-02-2021 at 19:56 hrs, 220 kV THEP – New Melli S/C and 220 kV THEP – Rangpo S/C tripped on R and B phase fault resulting in total generation loss and blackout at 220kV THEP	220 kV THEP – New Melli S/C 220 kV THEP – Rangpo S/C

Details of Grid Events during the Month of February 2021 in Southern Region

Sl No.	Category of Grid Event (GI 1or 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent		Antecedent Generation/Load in the Regional Grid		Brief details of the event (pre fault and post fault system conditions)	Name of Elements (Tripped/Manually opened)
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	KERALA	05-Feb-21 18:50	05-Feb-21 19:12	24min	661	0	1.72	0.00	38403	43688	Complete outage of 220kV Idukki Power House of KSEB: Triggering incident was failure of 11 kV bus duct mounted, indoor off load disconnector (89- 4 isolator) which is a part of the station auxillary supply system. Due this auxillary supply to units got affected. U#4 got tripped on operation of differential protection. Other running units#2,3,4,5 and 6 were hand tripped resulting in complete loss of supply at 220kV Idukki PH.	1 . Idukki U#1, 2, 3, 4, 5 and 6
2	GD-1	KARNATAKA	12-Feb-21 13:20	12-Feb-21 13:45	25min	0	159	0.00	0.31	47101	50582	Complete Outage of 220kV Tataguni SS and 220kV Vrushabhavathy SS of KPTCL : Triggering incident was line to line fault in 220kV Somanahalli Tataguni line. Line tripped at both the ends on operation of distance protection. At the same time, 220kV Vrushabavathy Tataguni line tripped only at Tataguni end. Due to tripping of 220kV incoming lines, there was complete loss of supply at 220kV Tataguni SS and 220kV Vrushabhavathy SS.	1 . 220kV Somanahalli-Tataguni line 2 . 220kV Vrushabavathy-Tataguni line
3	GD-1	KARNATAKA	16-Feb-21 20:01	16-Feb-21 20:23	22min	0	88	0.00	0.20	35679	43300	Complete Outage of 220kV EDC SS of KPTCL and Multiple tripping in 220kV A Station of KPTCL : During antecedent conditions, 220kV EDC SS was radially fed from 220kV HAL SS and there was bus split operation at 220kV A Station. Triggering incident was line to line fault in 220kV EDC HAL line. This resulted in complete loss of supply at 220kV EDC SS and multiple tripping in 220kV A Station. Details are awaited.	1 . 220kV EDC to HAL line 2. 220kV EDC to NIMHANS line
4	GD-1	KARNATAKA	23-Feb-21 13:30	23-Feb-21 14:48	1hr 18mins	0	74	0.00	0.15	44241	47868	Complete outage of 220kV Kadra PH of KPCL and 220kV Karwar SS of KPTCL: Zone-1 distance protection of 220kV Kadra Kodasalli line operated at 220kV Kadra end and LBB got operated since the line was under NFBC during antecedent. Due to operation of LBB protection, all the elements connected to Bus-1 got tripped at 220kV Kadra. Since all the elements were connected only to Bus-1 during antecendent, there was complete loss of supply. There was no antecedent generation at Kadra during this event. 220kV Karwar SS is radially fed from 220kV Karda PH. Hence this resulted in complete loss of supply at 220kV Karwar SS.	1.220kV Kadra-Karwar-1 2. 220kV Kadra-Karwar-2 3.220kV Kaiga Kadra 1
5	GD-1	KARNATAKA	25-Feb-21 13:16	25-Feb-21 13:36	20mins	500	37	1.10	0.07	45271	50276	Complete outage of 220kV Nagjheri PH , 110kV Supa PH of KPCL and 220kV Ambewadi SS of KPTCL: During antecedent condition, 220kV Ambewadi SS was radially fed from 220kV Naghjeri PH due to outage of 220kV Ambewadi Narendra lines. Triggering incident was B phase to ground fault in 220kV Naghjeri Hubli line-2. After the tripping of 220kV Naghjeri Hubli line-2, 220kV Naghjeri Hubli line-1 and 220kV Naghjeri Bidnal line got tripped on operation of overcurrent protection. Due to tripping of evacuvating lines, running units# 2, 5 and 6 at Naghjeri got tripped on operation of over frequency protection. This resulted in complete loss of supply at 220kV Nagjheri PH, 110kV Supa PH and 220kV Ambewadi SS.	1.220kV Naghjeri Ambewadi - 1 & 2 2. 220kV Naghjeri Hubli - 1 & 2 3.220kV Naghjeri Bidnal 4. Naghjeri U#2, 5 and 6 5. Supa U#1 and 2
6	GI-1	KARNATAKA	03-Feb-21 13:15	03-Feb-21 13:35	20 min	0	0	0.00	0.00	48976	50169	220kV Bus Outage of 400kV/220kV Guttur SS of KPTCL: As per the report submitted, while carrying out CT testing works in 220kV Wish Wind bay at 220kV Guttur SS. LBB operated resulting in the tripping of all the elements connected at 220kV Guttur Bus-1. Since all elements were connected to bus-1 during antecedent there was complete outage of 220kV Guttur bus. 400kV bus was intact during this event.	1. 220kV Guttur Neelagunda 2. 220kV Guttur Davanagere 1 , 2 & 3 3. 220kV Guttur Chitradurga 4. 220kV Guttur jogihalli IPP 5. 220kV Guttur Wishwind 6. 220kV Guttur Haveri 1 and 2 7. 400kV/220kV 315MVA ICT 1 & 2 8. 220kV Guttur Ranebennur
7	GI-1	KARNATAKA	18-Feb-21 11:10	18-Feb-21 11:52	42 min	0	0	0.00	0.00	47465	52417	220kV Bus Outage of 400kV/220kV Guttur SS of KPTCL: As per the report submitted, while carrying out bus changeover works at 220kV Guttur SS, all the elements connected at 220kV Bus-1 and Bus-2 got tripped resulting in 220kV bus outage at Guttur SS. 400kV Kaiga Guttur line-1 also got tripped during this event. Details are awaited.	1. 220kV Guttur Neelagunda 2. 220kV Guttur Davanagere 1 , 2 & 3 3. 220kV Guttur Chitradurga 4. 220kV Guttur jogihalli IPP 5. 220kV Guttur Wishwind 6. 220kV Guttur Haveri 1 and 2 7. 400kV/220kV 315MVA ICT 1 & 2 8. 220kV Guttur Ranebennur 9. 400kV Guttur Kaiga line-1
8	GI-1	KARNATAKA	19-Feb-21 06:45	19-Feb-21 07:15	30min	0	10	0.00	0.02	35681	44779	Tripping of Bus-2 at 220kV Sedam SS of KPTCL: Triggering incident was maloperation of LBB protection of HV side of 220kV/110kV 100MVA transfomer-2. This resulted in operation of BBP protection of Bus-2 at 220kV Sedam SS.	1 . 220kV Sedam RTPS line 2 . 220kV Sedam Humnabad line 3. 220/110kV 100MVA transfomer-2
9	GI-2	TAMILNADU	19-Feb-21 23:49	20-Feb-21 04:12	4hrs 23mins	0	0	0.00	0.00	30448	36459	Tripping of 400kV Bus-1 at 400kV/230kV Alamathy SS of TANTRANSCO: As per the report submitted, triggering incident was Y-N fault in the 400kV Alamathy - NCTPS ST2 -1. At Alamathy end, fault was sensed in zone-1. At NCTPS ST2 end, carrier aided zone-2 protection operated. A/R operated and line tripped on persistent fault at both the ends. At the same time, at Alamathy end, BBP Zone-1 protection operated at bus-1 and all the elements connected to bus-1 got tripped. 400kV/230kV ICT#3 at Alamathy also got tripped during this event since Tie C.B was under LC for new reactor commissioning work during antecedent.	1.400kV/230kV ICT 3 at Alamathy 2.400kV Alamathy - NCTPS ST2 -1.

Details of Grid Events during the Month of February 2021 in Southern Region

Sl No.	Category of Grid Event (GI 1or 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent		Antecedent Generation/Load in the Regional Grid		Brief details of the event (pre fault and post fault system conditions)	Name of Elements (Tripped/Manually opened)
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
10	GI-2	ANDHRA PRADESH	22-Feb-21 11:03	22-Feb-21 11:34	31mins	0	0	0.00	0.00	45196	48369	400kV Bus-1 and Bus-2 Outage of 400kV/220kV Uravakonda SS of APTRANSCO: As per the reort submitted, triggering incident was tripping of 400/220kV ICT-3 and 4 operation of PRV protection and Bucholtz relay trip respectively. Subsequently, all connected 400kV lines at Uravakonda got tripped on operation of over voltage protection. 220kV bus was intact during this event.	1.400/220KV ICT-3 at Uravakonda 2.400/220kV ICT-4 at Uravakonda 3.400KV Uravakonda - Hindupur 2 4.400kV Uravakonda - Veltoor-1 5. 400kV Uravakonda-Veltoor-2 6.400kV Uravakonda- Talarichevu-2 7.400kV Uravakonda -Talarichevu-1

Details of Grid Events during the Month of February 2021 in North Eastern Region

Sl No.	Category of Grid Event (GI 1or 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM:SS)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the		Antecedent Generation/Load in the Regional Grid		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD 1	Along area of Arunachal Pradesh Power System	08-Feb-21 15:15	08-Feb-21 15:55	00:40:00	0	11	0.0	0.7	1330	1659	Along area of Arunachal Pradesh Power System was connected with the rest of NER Grid through 132 kV Daporijo- Along line. At 15:15 Hrs on 08.02.2021, 132 kV Daporijo- Along line tripped. Due to tripping of this element, Along area was separated from the rest of NER Grid and subsequently collapsed due to no source in this area. Power supply was extended to Along area of Arunachal Pradesh Power System by charging of 132 kV Daporijo - Along at 15:55 hrs of 08.02.21	132 kV Along-Daporijo line
2	GD 1	Along area of Arunachal Pradesh Power System	09-Feb-21 19:13	09-Feb-21 19:43	00:30:00	0	26	0.0	1.0	2110	2678	Along area of Arunachal Pradesh Power System was connected with the rest of NER Grid through 132 kV Daporijo- Along line. At 19:13 Hrs on 09.02.2021, 132 kV Daporijo- Along line tripped. Due to tripping of this element, Along area was separated from the rest of NER Grid and subsequently collapsed due to no source in this area. Line was declared faulty at 19:43 hours on 09.02.2021 due to conductor snap.132 kV Along-Daporijo line was restored at 18:15 hours on 10.02.2021	132 kV Along-Daporijo line
3	GD 1	Lumshnong Area of Meghalaya Power System	17-Feb-21 11:04	17-Feb-21 11:34	00:30:00	0	19	0.0	1.0	1253	1842	Lumshnong Area of Meghalaya Power System was connected to the rest of NER grid through 132 kV Lumshnong - Panchgram line. 132 kV Khliehriat(MePTCL) - Lumshnong line was kept open to maintain Silchar gate flow during the shutdown of 400 kV Silchar-Killing line. At 11:04 hrs of 17.02.2021, 132 kV Lumshnong - Panchgram line tripped. Due to tripping of these elements, Lumshnong Area of Meghalaya Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in this area. Power was extended to 132 kV Lumshlong S/S by charging 132 kV Khliehriat(MePTCL)- Lumshnong line at 11:34 Hrs.	132 kV Lumshnong - Panchgram line
4	GD 1	Panchgram Area of Assam Power System	18-Feb-21 14:54	18-Feb-21 16:15	01:21:00	0	24	0.0	1.3	1162	1862	Panchgram Area of Assam Power System was connected to the rest of NER grid through 132 kV Lumshnong - Panchgram line & 132 kV Hailakandi-Panchgram line. 132 kV Badarpur-Panchgram line was kept under emergency shutdown for replacement of R-ph Male & Female contact of the line isolator installed in PG Bay at Panchgram S/S . At 14:54 hrs of 18.02.2021, 132 kV Lumshnong - Panchgram line & 132 kV Hailakandi-Panchgram line tripped. Due to tripping of these elements, Panchgram Area of Assam Power System was separated from the rest of NER Grid and subsequently collapsed due to no source in this area. Power was extended to 132 kV Panchgram S/S by charging 132 kV Badarpur-Panchgram line at 16:15 Hrs of 18.02.21. 132 kV Hailakandi-Panchgram line has been declared faulty. 132 kV Lumshnong - Panchgram line was restored at 16:44 hours on 18.02.2021	132 kV Lumshnong - Panchgram line & 132 kV Hailakandi-Panchgram line
5	GD 1	Churachandpur area of Manipur Power System	19-Feb-21 15:06	19-Feb-21 15:12	00:06:00	0	26	0.0	1.5	1410	1774	Churachandpur area of Manipur Power System was connected with the rest of NER Grid through 132 kV Ningthoukhong-Churachandpur D/C. 132 kV Kakching - Thoubal T/L was in open condition due to system requirement. At around 15:06 Hrs of 19.02.2021, 132 kV Ningthoukong - Churachandpur D/C tripped. Due to tripping of these elements, Churachandpur area of Manipur Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area. Power was extended to Churachandpur by charging 132 kV Ningthoukhong - Churachandpur I & II at 15:12 hrs and 15:13 hrs respectively. Subsequently the radially connected substations were restored by 15:18 hrs except 132 kV Churachandpur - Elangkangpokpi & 132 kV Elangkangpokpi - Kakching lines. Also power supply to Tamu (Mayanmar) was restored at 15:18 hrs.	132 kV Ningthoukong - Churachandpur D/C, 132 kV Churachandpur - Elangkangpokpi, 132 kV Churachandpur - Kakching, 132 kV Elangkangpokpi - Kakching
6	GD 1	Rengpang area of Manipur Power System & Loktak Power Station	24-Feb-21 18:50	24-Feb-21 19:11	00:21:00	104	2	4.4	0.1	2373	2596	Loktak area of Manipur Power System was connected with the rest of NER Grid through 132kV Loktak-Jiribam, 132kV Loktak-Imphal,132kV Loktak-Ningthoukhong, 132kV Loktak-Rengpang. 132 kV Jiribam-Rengpang was under prolonged outage. At around 18:50 Hrs on 24-02-2021, 132kV Loktak-Jiribam, 132kV Loktak-Imphal, 132kV Loktak-Ningthoukhong, 132kV Loktak-Rengpang, Loktak Unit-I ,II & III tripped. Due to tripping of these elements, Loktak area of Manipur Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area. Power was extended to Loktak substation by charging 132 kV Loktak-Imphal at 19:11 hrs on 24-02-2021	132kV Loktak-Jiribam, 132kV Loktak-Imphal,132kV Loktak-Ningthoukhong, 132kV Loktak-Rengpang, Loktak Unit-I ,II & III
7	GD 1	Luangmual, Melriat(P&ED, Mizoram) & Lunglei (Khawiva) areas of Mizoram power system	28-Feb-21 11:21	28-Feb-21 12:45	01:24:00	0	31	0.0	1.8	1437	1753	Luangmual, Melriat & Lunglei areas of Mizoram Power System were radially connected with the rest of NER Grid through 132kV Aizawl-Luangmual line (132 kV Serchhip-Lunglei line was under open condition to avoid overloading of 132 KV Aizawl-Laungmual line). At around 11:21 Hrs on 28-02-2021, 132 KV Aizawl-Luangmual line tripped due to puncture of 33 kV LT cable of 132/33 kV, 12.5 MVA Transofrmer at Luangmual. Due to tripping of this element, Luangmual, Melriat & Lunglie areas of Mizoram Power System was separated from rest of NER Grid and subsequently collapsed due to no source in this area. Power was extended to Luangmual, Melriat & Lunglei S/S by charging 132 KV Aizawl-Luangmual line at 12:45 hours on 28-02-2021	132 KV Aizawl-Luangmual line

Details of Grid Events during the Month of February 2021 in North Eastern Region

Sl No.	Category of Grid Event (GI 1or 2/ GD-1 to GD-5)	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM:SS)	Loss of generation / loss of load during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the		Antecedent Generation/Load in the Regional Grid		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
8	GI 2	Assam	05-Feb-21 13:40	05-Feb-21 15:30	01:50:00	28.8	0	2.1	0.0	1361	1709	AGBPP Unit-5 tripped at 13:40 Hrs on 05-02-21 due to high temperature in Lubricant oil . Revision done from Block No.63 on 05-02-21	AGBPP Unit 5
9	GI 2	Assam	14-Feb-21 12:11	14-Feb-21 13:30	01:19:00	30.6	0	2.4	0.0	1290	1823	AGBPP Unit-6 tripped at 12:11 Hrs on 14-02-21 due to tripping of auxilliary unit. Revision done from Block No.55 on 14-02-21	AGBPP Unit 6
10	GI 2	Assam	16-Feb-21 17:59	16-Feb-21 19:30	01:31:00	227.5	0	10.7	0.0	2118	2622	BGTPP Unit 2 tripped at 17:59 hours on 16-02-21 due to tripping of forced draft fan. Revision done from Block No.79 on 16-02-21	BGTPP Unit 2
11	GI 2	Assam	20-Feb-21 11:54	20-Feb-21 13:30	01:36:00	125	0	8.9	0.0	1410	1811	BGTPP Unit 1 tripped at 11:54 hours on 20-02-21 due to local relay mal-operation. Revision done from Block No.55 on 20-02-21	BgTPP Unit 1
12	GI 2	Assam	28-Feb-21 17:37	28-Feb-21 19:00	01:23:00	130	0	6.1	0.0	2141	2383	BGTPP Unit 3 tripped at 17:37 hours on 28-02-21 due to flame failure. Revision done from Block No. 77 on 28-02-21	BGTPP Unit 3