

Details of Grid Events during the Month of October 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	GI-2	RAJASTHAN	04-Oct-2021 20:38	04-Oct-2021 23:29	2:51	0	0	0.000	0.000	44771	51789	400 KV Bhadla-Fatehgarh_II (PG) Ckt-1 tripped due to overvoltage Stage-1 protection operated at Fatehgarh(2) and DT received at Bhadla end. At the same time, 220KV feeders from RENEW Jharkhand(S), RENEW Sunwave, AHEIOL_ADANI Hybrid and EDEN Solar tripped. As per PMU, no fault is observed. As per SCADA, voltage was in permissible range at Fatehgarh_2(413KV at 400KV Bus). As per SOE, 220KV feeders from EDEN Solar and RENEW Jharkhand tripped before tripping of 400KV Fatehgarh_2-Bhadla ckt-1.	1) 220 KV Fatehgarh_II(PG)-Renew_Jharkhand 3 SL_FGARH_PG (RSEJ3PL) (RSEJ3PL) Ckt-1. 2) 220 KV Fatehgarh_II(PG)-Renew SunWave SL_FGARH_PG (RSWPL) (RENEW SUN WAVE (RSWPL)) Ckt-1 3) 400 KV Bhadla-Fatehgarh_II (PG) Ckt-1 4) 220 KV Fatehgarh_II(PG)-EDEN SL_FGARH_PG (ERCPJ) (EDEN (ERCPJ)) Ckt-1 5) 220 KV Fatehgarh_II(PG)-AHEIOL PSS HB_FGARH_PG (AHEIOL) (AHEIOL) Ckt-2 6) 220 KV Fatehgarh_II(PG)-AHEIOL PSS HB_FGARH_PG (AHEIOL) (AHEIOL) Ckt-1
2	GI-1	RAJASTHAN	05-Oct-2021 23:30	06-Oct-2021 03:27	3:57	0	0	0.000	0.000	41066	49881	220 KV Anta(NT)-Sakatpura(RS) (RS) Ckt-1 tripped on B-N fault, Zone-1, Dist. 49.6km, Fault current 4.02kA from Sakatpura end. At the same time, 220 KV Anta(NT)-Bhilwara(RS) (PG) Ckt-1 & 220 KV Anta(NT)-Sawaimadhopur(RS) (PG) Ckt-1 also tripped. As per PMU, B-N fault with delayed clearance of 320ms is observed in the system. In antecedent conditions, 220 KV Anta(NT)-Sakatpura(RS) (RS) Ckt-1, 220 KV Anta(NT)-Bhilwara(RS) (PG) Ckt-1 & 220 KV Anta(NT)-Sawaimadhopur(RS) (PG) Ckt-1 carrying 103MW, 48MW & 68MW respectively.	1) 220 KV Anta(NT)-Sakatpura(RS) (RS) Ckt-1 2) 220 KV Anta(NT)-Bhilwara(RS) (PG) Ckt-1 3) 220 KV Anta(NT)-Sawaimadhopur(RS) (PG) Ckt-1
3	GD-1	HIMACHAL PRADESH	07-Oct-2021 16:58	07-Oct-2021 18:39	1:41	150	0	0.375	0.000	39962	48080	At 16:58 hrs, during charging of 68.67 MW Rampur HEP - UNIT 3, B-N fault occurred at CB of Unit3 resulted in bus bar protection operation of bus 1 at Rampur HEP. Fault occurred due to presence of SO2 particles in B phase circuit breaker compartment, same has been confirmed from the draeger tube test conducted at Rampur HEP. Due to bus bar protection operation, elements connected to bus 1 400 KV Natpha Jhark(SI)-Rampur HEP(SI) (PG) Ckt-1, 400 KV Rampur HEP(SI)-Nalagarh(PG) (PG) Ckt-1, 68.67 MW Rampur HEP - UNIT 1 & UNIT 5 tripped. As per PMU, B-N phase to earth fault is observed. In antecedent condition, 400 KV Natpha Jhark(SI)-Rampur HEP(SI) (PG) Ckt-1, 400 KV Rampur HEP(SI)-Nalagarh(PG) (PG) Ckt-1, 68.67 MW Rampur HEP - UNIT 1 & UNIT 5 were carrying 248MW, 401MW, 74MW & 75MW respectively	1) 400KV Bus 1 at Rampur HEP(SI) 2) 68.67 MW Rampur HEP - UNIT 3 3) 400 KV Natpha Jhark(SI)-Rampur HEP(SI) (PG) Ckt-1 4) 400 KV Rampur HEP(SI)-Nalagarh(PG) (PG) Ckt-1
4	GI-2	UTTAR PRADESH	10-Oct-2021 11:48	10-Oct-2021 14:35	2:47	0	0	0.000	0.000	43036	55118	400/220 kv 315 MVA ICT 1 at Auraiya(NT) tripped on R-N fault along with 220 KV Auraiya(NT)-Sikandra(UP) (PG) Ckt-1 & Ckt 2 in Z-4. At the same time, 220KV Auraiya(NTPC)-Railway ckt-2 also tripped. As per PMU, R-N fault which later converted into R-Y fault with delayed clearance in 920ms is observed. As per SOE, 400/220 kv 315 MVA ICT 1 at Auraiya(NT) tripped first followed by 220KV Auraiya(NTPC)-Railway ckt-2, 220 KV Auraiya(NT)-Sikandra(UP) (PG) Ckt-1 & Ckt-2. In antecedent condition, 400/220 kv 315 MVA ICT 1 at Auraiya(NT), 220KV Auraiya(NTPC)-Railway ckt-2, 220 KV Auraiya(NT)-Sikandra(UP) (PG) Ckt-1 & Ckt-2 were carrying 89MW, 18MW, 48MW & 48MW respectively.	1) 220 KV Auraiya(NT)-Sikandra(UP) (PG) Ckt-1 2) 400/220 kv 315 MVA ICT 1 at Auraiya(NT) 3) 220 KV Auraiya(NT)-Sikandra(UP) (PG) Ckt-2
5	GI-2	UTTAR PRADESH	14-Oct-2021 16:05	14-Oct-2021 17:20	1:15	0	0	0.000	0.000	38514	48339	400 KV Kanpur(PG)-Panki(UP) (PG) Ckt-2 (connected from Bus 2) tripped after unsuccessful A/R operation on R-N phase to earth fault. Fault distance was 1.5km & fault current was 25.2KA from Kanpur(PG) end and fault distance was 5.6km & fault current was 6.19KA from Panki(UP) end. After A/R operation during re-closing, high impedance bus bar differential protection of Bus bar 2 at 400KV Kanpur(PG) operated which resulted into opening of all Main CB connected to 400KV Bus 2 at Kanpur(PG). At the same time, 400 KV Kanpur(PG)-Auraiya(NT) (PG) Ckt-2 also tripped due to bus bar 2 protection operation as Tie CB was already out due to shutdown of 400KV Kanpur-Balbahgar ckt-2. As per PMU, R-N phase to earth fault with unsuccessful A/R operation is observed. In antecedent condition, 400 KV Kanpur(PG)-Panki(UP) (PG) Ckt-2 and 400 KV Kanpur(PG)-Auraiya(NT) (PG) Ckt-2 were carrying 97MW & 293MW respectively, 400 KV Kanpur(PG)-Panki(UP) (PG) Ckt-2 and 400 KV Kanpur(PG)-Auraiya(NT) (PG) Ckt-2 restored at 19:15 Hrs & 17:36 Hrs respectively.	1) 400 KV Kanpur(PG)-Auraiya(NT) (PG) Ckt-2 2) 400KV Bus 2 at Kanpur(PG) 3) 400 KV Kanpur(PG)-Panki(UP) (PG) Ckt-2
6	GI-2	UTTAR PRADESH	18-Oct-2021 12:49	18-Oct-2021 15:52	3:03	0	0	0.000	0.000	34887	42461	400 KV Rewa Road-Masoli(UP) Ckt-1 tripped on R-Y phase to phase fault. Fault distance was 57.37km from Masoli end. At the same time, 400 KV Obra_B-Rewa Road (UP) Ckt-1 also tripped from Obra_B end only. As per PMU, R-Y phase to phase fault is observed. In antecedent condition, 400 KV Rewa Road-Masoli(UP) Ckt-1 & 400 KV Obra_B-Rewa Road (UP) Ckt-1 were carrying 118MW & 217MW respectively. 400 KV Rewa Road-Masoli(UP) Ckt-1 & 400 KV Obra_B-Rewa Road (UP) Ckt-1 were restored at 16:23Hrs & 15:52Hrs respectively.	1) 400 KV Obra_B-Rewa Road (UP) Ckt-1 2) 400 KV Rewa Road-Masoli (UP) Ckt-1
7	GD-1	PUNJAB	18-Oct-2021 17:05	18-Oct-2021 18:02	0:57	0	95	0.000	0.230	35204	41370	On 18th Oct'21 at 17:05 Hrs, during commissioning work of 220KV 25MVAR Bus Reactor at Amritsar(PG) was in progress (Bay no 214). During Bus bar stability testing of 220KV Bus-2, Bus Bar protection maloperated and DT sent to remote end. 400/220 kv 315 MVA ICT 1, ICT 2 & ICT 3 at Amritsar(PG), 220 KV Amritsar(PG)-Khasa(PSTCL) Ckt-1 & Ckt-2 and 220 KV Amritsar(PG)-Narangarh(PG) (PSTCL) Ckt-1 & Ckt-2 all tripped. As per PMU, no fault is observed. As per SCADA, load loss of approx. 95MW is observed. In antecedent condition, 400/220 kv 315 MVA ICT 1, ICT 2 & ICT 3 at Amritsar(PG) were carrying 85MW, 82MW, 141MW respectively.	1) 220 KV Amritsar(PG)-Narangarh(PG) (PSTCL) Ckt-2 2) 220 KV Amritsar(PG)-Narangarh(PG) (PSTCL) Ckt-1 3) 220 KV Amritsar(PG)-Khasa(PSTCL) Ckt-2 4) 220 KV Amritsar(PG)-Khasa(PSTCL) Ckt-1 5) 400/220 kv 315 MVA ICT 2 at Amritsar(PG) 6) 400/220 kv 315 MVA ICT 2 at Amritsar(PG) 7) 400/220 kv 500 MVA ICT 3 at Amritsar(PG)
8	GI-2	UTTAR PRADESH	21-Oct-2021 17:56	21-Oct-2021 18:49	0:53	0	0	0.000	0.000	38727	42977	Tower of 220KV Unnao-Phoolgarh ckt-1 which was charged only from Unnao end(connects to 220KV Bus 2 Unnao) collapsed. CB of the 220KV Unnao-Phoolgarh ckt-1 didn't open from Unnao end to LBB protection operation which further resulted into tripping of 400/220 kv 315 MVA ICT 1 & ICT 6, 220/132kv 160MVA ICT 3 & ICT 5 at Unnao(UP), 220KV Unnao-Phoolgarh ckt-1, 220KV Unnao-RPH ckt and 220KV Unnao-Lucknow_21 ckt. As per PMU, B-N phase to earth fault followed by Y-N then R-N fault is observed. In antecedent condition, 400/220 kv 315 MVA ICT 1 & ICT 6, 220/132kv 160MVA ICT 3 & ICT 5 at Unnao(UP) were carrying 118MW, 118MW, 49MW & 51MW respectively. Unnao(UP)	1) 400/220 kv 315 MVA ICT 1 at Unnao(UP) 2) 400/220 kv 315 MVA ICT 3 at Unnao(UP) 3) 220KV Unnao-Phoolgarh ckt-1
9	GD-1	UTTAR PRADESH	23-Oct-2021 16:28	23-Oct-2021 17:28	1:00	270	0	0.803	0.000	33632	39724	Jumper of 220 KV Pantnagar(UK)-Bareilly(UP) (UP) Ckt-1 snapped and created bus fault. As bus bar protection is not in service at 220KV Bareilly(UP), 220KV feeders to Dhauliganga, Pithoragarh, Pantnagar, Shahjampur, CB Gan2 ckt-1 & ckt-2 all tripped in Z-4 and 220KV feeders to Dohna ckt-1 & ckt-2, Pilibhit Ckt-1 & ckt2 tripped in Zone 2 because these feeders didn't trip in Z-4 from Bareilly end. At the same time, 400/220 kv 315 MVA ICT 1 at Bareilly(UP) tripped on PRV protection operation, 400/220 kv 315 MVA ICT 2 at Bareilly(UP) tripped on Bucholz protection operation and 400/220 kv 315 MVA ICT 3 at Bareilly(UP) tripped on over current protection operation. As per PMU, R-Y phase to phase fault later converted into R-Y/B three phase fault with delayed clearance in 1800ms is observed. As per SCADA, generation loss of approx. 215MW at Dhauliganga HEP and 55MW at Tankapur HEP is observed. In antecedent condition, 400/220 kv 315 MVA ICT 1, ICT 2 & ICT 3 at Bareilly(UP) all were carrying 48MW each. 400/220KV Bareilly(UP)	1) 132 KV Pithoragarh(PG)-Almora(PSTCL) (PTCL) Ckt-1 2) 220 KV Dhauliganga(NH)-Pithoragarh(PG) (PG) Ckt-1 3) 220 KV Dhauliganga(NH)-Bareilly(UP) (PG) Ckt-1 4) 220 KV Tankapur(NH)-CBGAN(UP) (PG) Ckt-1 5) 400/220 kv 315 MVA ICT 1 at Bareilly(UP) 6) 400/220 kv 315 MVA ICT 2 at Bareilly(UP) 7) 400/220 kv 315 MVA ICT 3 at Bareilly(UP) 8) 220 KV Pithoragarh(PG)-Bareilly(UP) (PG) Ckt-1 9) 220 KV Pantnagar(UK)-Bareilly(UP) (UP) Ckt-1
10	GI-2	UTTAR PRADESH	24-Oct-2021 12:05	24-Oct-2021 14:42	2:37	0	0	0.000	0.000	33276	38570	At 12:05Hrs, during charging of 765KV Anpara D-Unnao ckt B-N phase to earth fault occurred, fault current was 1.7KA from Anpara D end. At 12:55V Anpara Main-1 protection operated along with c/c and f/f protection and DT sent to Unnao end. At the same time, 765/400 kv 1000 MVA ICT 1 & ICT 2 at Unnao(UP) tripped on trip command by Main 2 REF while other REF and both differential remained stable. As per PMU, B-N phase to earth fault with delayed clearance in 320ms is observed. In antecedent condition, 765/400 kv 1000 MVA ICT 1 & ICT 2 at Unnao(UP) were carrying 373MW & 270MW respectively. 765/400KV Unnao(UP)	1) 765/400 kv 1000 MVA ICT 2 at Unnao(UP) 2) 765/400 kv 1000 MVA ICT 1 at Unnao(UP)

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						Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
11	GI-2	HARYANA	28-Oct-2021 09:58	28-Oct-2021 12:35	2:37	0	0	0.000	0.000	34836	41769	During availing 220kV Bus 1 planned S/D at Jind(PG), fault occurred in Bus-4 due to flashover in Transfer Bus Isolator while closing 209-89C (Transfer Bus Isolator of 209 bay) which resulted into tripping of 400/220 kv 500 MVA ICT 2 at Jind(PG). 220 KV Jind(PG)-Mund (HV) (HVPNL) Ckt-2 and 220 KV Jind(PG)-Narwana (HV) (HVPNL) Ckt-2. As per PMU, R-N phase to earth fault with delayed clearance in 400ms is observed. In antecedent condition, 400/220 kv 500 MVA ICT 2 at Jind(PG), 220 kv Jind(PG)-Mund (HV) (HVPNL) Ckt-2 and 220 kv Jind(PG)-Narwana (HV) (HVPNL) Ckt-2 were carrying 119MW, 55MW & 65MW respectively.PG)	1) 220 kv Jind(PG)-Mund (HV) (HVPNL) Ckt-2 2) 220 kv Jind(PG)-Narwana (HV) (HVPNL) Ckt-2 3) 400/220 kv 500 MVA ICT 2 at Jind(PG)
12	GD-1	UTTAR PRADESH	29-Oct-2021 02:47	29-Oct-2021 04:54	2:07	100	0	0.396	0.000	25283	31608	400 KV Muzaffarnagar(UP)-Vishnuprayag(IP) (UP) Ckt-1 & 400 KV Alaknanda GVK(UPC)-Vishnuprayag(IP) (UP) Ckt-1 both tripped due to bus bar protection operation of bus-2 at 400KV Vishnuprayag(IP). In antecedent condition, Bus-1 was in idle condition due to issue in the bus coupler. As per PMU, no fault is observed. As per SCADA, generation loss of 100MW is observed at Vishnuprayag HEP due to tripping of both ckt at Vishnuprayag(IP). In antecedent condition, 400 KV Muzaffarnagar(UP)-Vishnuprayag(IP) (UP) Ckt-1 & 400 KV Alaknanda GVK(UPC)-Vishnuprayag(IP) (UP) Ckt-1 were carrying 153MW & 54MW respectively.kv Vishnuprayag(IP)	1) 400 KV Muzaffarnagar(UP)-Vishnuprayag(IP) (UP) Ckt-1 2) 400 KV Alaknanda GVK(UPC)-Vishnuprayag(IP) (UP) Ckt-1
13	GD-1	HIMACHAL PRADESH	30-Oct-2021 02:02	30-Oct-2021 07:09	5:07	60	0	0.235	0.000	25585	31712	220 KV Bairasiul(NH)-Jessore(HP) (PG) Ckt-1 & 220 KV Bairasiul(NH)-Pong(BB) (PG) Ckt-1 both tripped on over voltage stage 1 protection operation at 220KV Bairasiul(NH). Due to tripping of both evacuating lines 60MW Unit 3 at Bairasiul(NH) also tripped. As per PMU, no fault is observed. As per SCADA, generation loss of approx. 60MW is observed at Bairasiul(NH). In antecedent condition, 220 KV Bairasiul(NH)-Jessore(HP) (PG) Ckt-1 & 220 KV Bairasiul(NH)-Pong(BB) (PG) Ckt-1 were carrying 40MW & 18MW respectively. As per SCADA, Bus voltage at 220KV Bairasiul(NH) during antecedent condition was in the range of 240kv-241kv.	1) 220 kv Bairasiul(NH)-Jessore(HP) (PG) Ckt-1 2) 220 kv Bairasiul(NH)-Pong(BB) (PG) Ckt-1 3) 60MW UNIT 3 at Bairasiul(NH)

Details of Grid Events during the Month of October 2021 in Western 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	WR	04-Oct-21 07:59	04-Oct-21 11:50	3:51	50	-	0.10%	-	49095	48004	At 07:59 Hrs/04-10-2021, all the 220 kV elements connected to 220 kV Dayapar tripped on LBB protection operation of 220/33 kV Dayapar ICT1. Except 220/33 kV Dayapar ICT 1, all other elements were restored and while charging of 220/33 kV Dayapar ICT 1 at 13:11 Hrs, LBB protection of ICT operated again and resulted in tripping of all the elements. As informed by site, LV side R phase transformer cable found faulty during inspection. There was a generation loss of around 50 MW due to the event at Dayapar (INOX) wind plant.	Tripping of 1.220/33 kV Dayapar ICT 1,2&3 2.220 kV Dayapar- Bhuj 2
2	GD-1	WR	25-Oct-21 10:07	25-Oct-21 11:21	1:14	320	-	0.59%	-	54542	53679	At 10:07 Hrs/25-10-21, 400/220 kV Radhanesda ICT 2 tripped due to faulty Master Trip Relay as reported by RTAMC Vadodara. Prior to the event, 400/220 kV Radhanesda ICT1 was out of service from 10:00 Hrs for AMP work. With the tripping of 400/220 kV Radhanesda ICT 2, there was a generation loss of 320 MW due to the loss of evacuation path for power generation at TRPEL, ENGIE and GIPCL Solar power plants.	Tripping of 1.400/220 kV Radhanesda ICT 2
3	GD-1	WR	30-Oct-21 01:18	30-Oct-21 01:44	0:26	-	147	-	0.31%	45279	47440	At 01:18 Hrs/30-10-21, B phase CT of 220 kV Khaparkeda line blasted at 220 kV Kalmeshwar s/s and resulted in tripping of 220 kV Main bus and all the 220 kV elements connected on Busbar protection operation. As reported by MSLDC, there was a generation loss of 147 MW due to the event.	Tripping of 1.220 kV Kalmeshwar- Khaparkeda 2.220 kV Kalmeshwar- Pandhurna 3.220 kV Kalmeshwar- Ambazari 4.220 kV Kalmeshwar- Railway TSS 1&2 5.220 kV Kalmeshwar- Rspat 6.220/132 kV Kalmeshwar ICTs 1&2

Details of Grid Events during the Month of October 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	Dikchu	06-Oct-21 12:38	06-Oct-21 13:42	01:04	55	0	0.24%	0.00%	23110	19669	At 12:38 Hrs, 400 KV Teesta III-Dikchu & 400 kv Dikchu-Rangpo tripped. Consequently, 400 kv Dikchu S/s became dead, one running unit at Dikchu tripped due to loss of evacuation path and 55 MW generation loss occurred. 400 kv Teesta III-Dikchu charged at 13:42 Hrs and unit at Dikchu was brought on bar.	400kv Teesta III-Dikchu 400 kv Dikchu-Rangpo
2	GD-1	Budhipadar	09-Oct-21 11:57	09-Oct-21 13:28	01:31	600	115	0.00%	0.55%	27707	20836	At 11:57 Hrs, both 220 kv Bus at Budhipadar tripped, leading to total power failure at 220/132 kv Budhipadar S/s, 220 kv IB Thermal, 220 kv Vedanta. There are three captive plants in vicinity- Vedanta, Bhushan Steel and Aditya Aluminium. Vedanta island didn't survive, Bhushan Steel survived for 5 minutes. Aditya Aluminium island survived. Total 600 MW net generation loss occurred (300 MW-IB Thermal, 240 MW-Vedanta injection, 60 MW-Buria) and 115 MW load loss occurred at Budhipadar.	220 kv Bus 1 & Bus 2 at Budhipadar 220 kv Budhipadar-IB Thermal Q/c 220 kv Budhipadar-Vedanta D/c 220 kv Budhipadar-Korba D/c 220 kv Budhipadar-Raigarh 220 kv Budhipadar-Bhushan D/c 220 kv Budhipadar-Aditya Alu D/c 220 kv Budhipadar-Lapanga 1 220 kv Budhipadar-Tarkera 1 220 kv Budhipadar-SPS 1 220 kv Budhipadar Lephripada 1 220/132 kv 160 MVA ATR#1 at Budhipadar
3	GD-1	Chatra	09-Oct-21 12:44	09-Oct-21 14:02	01:18	0	15	0.00%	0.07%	19252	22047	At 12:44 Hrs, 220 kv Daltonganj-Chatra D/c tripped on B-phase to earth fault, leading to total power failure at 220/132 kv Chatra S/s. There was total load loss of 15 MW during the event. Ckt 2 charged at 14:02 Hrs and Ckt 1 charged at 14:13 Hrs	220 kv Bus-1 & 2 at Chatra 220 kv Daltonganj-Chatra D/c
4	GD-1	Garhwa	09-Oct-21 18:49	09-Oct-21 20:21	01:32	0	43	0.00%	0.20%	25994	22047	At 18:49 Hrs, 220 kv Daltonganj-Garhwa(New) D/c tripped on B-phase to earth fault, leading to total power failure at 220/132 kv Garhwa(New) S/s. There was total load loss of 43 MW during the event (including traction load loss of 10 MW at Garhwa). Ckt 1 charged at 20:21 Hrs & Ckt 2 charged at 20:26 Hrs	220 kv Bus-1 & 2 at Garhwa (New) 220 kv Daltonganj-Garhwa (New) D/c
5	GD-1	Rongnichu	20-Oct-21 12:42	20-Oct-21 13:18	00:36	103	0	0.44%	0.00%	23651	16636	At 12:42 Hrs, 220 kv Rangpo-Rongnichu D/c tripped. Both running units at Rongnichu tripped due to loss of evacuation path. Total 103 MW generation loss occurred. 220 kv Rangpo-Rongnichu-2 charged at 13:17 Hrs and U#2 synchronized at 13:18 Hrs.	220 kv Rangpo-Rongnichu D/c Rongnichu U#1, U#2
6	GD-1	Teesta-III	21-Oct-21 14:32	21-Oct-21 15:13	00:41	1086	0	4.55%	0.00%	23878	17213	At 14:32 Hrs, 400 KV Teesta III-Dikchu tripped on B_N fault. This led to loss of evacuation for generation at Teesta III as 400 kv Teesta III-Kishanganj was already under tripped condition since 13:47 Hrs. 1086 MW generation loss occurred due to tripping of all running units at Teesta III. 400 kv Teesta III-Dikchu charged at 15:13 Hrs and units synchronized.	400 kv Teesta III-Kishanganj 400 kv Teesta III-Dikchu Teesta III-U#1,2,3,5,6

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



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						Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	Karnataka	01-Oct-21 23:52	02-Oct-21 08:03	8hr 11min	0	0	0.00	0.00	34919	36466	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
2	GD-1	Karnataka	02-Oct-21 23:15	03-Oct-21 07:55	8hr 40min	14	0	0.00	0.00	34581	35891	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
3	GD-1	Karnataka	04-Oct-21 02:26	04-Oct-21 06:15	4hr 11min	0	0	0.00	0.00	34494	34090	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
4	GD-1	Karnataka	04-Oct-21 08:25	04-Oct-21 11:25	3hr	0	60	0.00	0.00	40888	42633	Complete Outage of 220kV/110kV Mahalingapura SS of KPTCL: As per the report submitted, triggering incident was DC supply failure in station due to 11kV cable failure at 220kV/110kV Mahalingapura SS. Immediately, all the feeders were hand tripped and this resulted in complete outage of 220kV/110kV Mahalingapura SS.	1. 220kV Mahalingapura Kudachi 2. 220kV Mahalingapura Nendra 1&2 3. 220kV Mahalingapura Soudatti 4. 220kV Mahalingapura Athani 4. 220kV Mahalingapura Vajramathi 1&2
5	GD-1	Kerala	04-Oct-21 15:08	04-Oct-21 15:38	30min	0	82	0.00	0.00	44224	45199	Complete Outage of 220kV/66kV Kanyampetta SS of KSEB: During antecedent conditions, 220kV Kanyampetta Kadakola was under outage. As per the report submitted, triggering incident was R-N fault in 220kV Areacode Kunnamangala and 220kV Kunnamangala Kanyampetta. Due to tripping of both the connected lines, there was complete loss of supply at 220kV/66kV Kanyampetta SS.	1. 220kV Kunnamangalam Areacode 2. 220kV Kanyampetta Kunnamangalam
6	GD-1	Karnataka	06-Oct-21 03:33	06-Oct-21 06:56	3hr 23min	0	0	0.00	0.00	32902	33776	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
7	GD-1	Telangana	06-Oct-21 14:05	06-Oct-21 16:07	1hr 58min	700	0	0.02	0.00	43071	41965	Complete Outage of 220kV/132kV N'Sagar MPH and Receiving Station of TSGENCO: As per the report submitted, triggering incident was Y-N fault in 220kV Talapally N'Sagar Lines 1 & 2. At the same time, Bus-1 and Bus-2 BBP operated resulting in the complete outage of 220kV/132kV N'Sagar MPH and Receiving Station.	1. 220kV Nsagar_PH Talapally-1&2 2. 220kV Nsagar_PH Chalakurthy 3. 220kV Nsagara_PH Srisalilam RB 4. Unit-1,2,4,5,6,7,8
8	GD-1	Telangana	06-Oct-21 14:33	06-Oct-21 14:37	4min	0	150	0.00	0.00	42967	42229	Complete Outage of 220kV Chalakurthy SWS, 220kV/132kV KM Pally SS, 220kV/11kV Puttamangandi LIS, 220kV/11kV Pulyatanda LIS of TSTRANSCO: During antecedent conditions, 220kV Nsagar Chalakurthy line tripped due to BBP operation at 14:06hrs. Because of this 220kV Chalakurthy Miryalaguda line was charged at 14:10hrs. At 14:33hrs 220kV Chalakurthy Miryalaguda and 220kV chalakurthy Tallapally lines were hand tripped resulting in complete outage of 220kV Chalakurthy SWS. Since, 220kV/132kV KM Pally SS, 220kV/11kV Puttamangandi LIS, 220kV/11kV Pulyatanda LIS were radially fed from 220kV Chalakurthy SWS, this resulted in complete outage of these stations also.	1. 220kV Chalakurthy Miryalaguda 2. 220kV chalakurthy Tallapally
9	GD-1	Karnataka	06-Oct-21 23:29	07-Oct-21 06:10	6hr 41min	14	0	0.00	0.00	36558	36852	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada

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



Sl No.	Category of Grid Event (GI for 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 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)	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	GD-1	Karnataka	07-Oct-21 15:13	07-Oct-21 18:15	3hr 2min	0	20	0.00	0.00	46212	44193	Complete Outage of 220kV/66kV Chintamani SS of KPTCL: As per the report submitted, triggering incident was R-N fault in 220kV Kolar_PG Chintamani Line-2 and line got tripped at 15:13hrs. Subsequently, at 15:16hrs, 220kV Kolar_PG Chintamani Line-1 also tripped on R-N fault. Tripping of both the connected lines at Chintamani resulted in complete outage of 220kV/66kV Chintamani SS.	1. 220kV Kolar_PG Chintamani-1&2
11	GD-1	Karnataka	07-Oct-21 22:49	08-Oct-21 06:49	8hr	16	0	0.00	0.00	38569	39705	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
12	GD-1	Karnataka	09-Oct-21 02:00	09-Oct-21 06:46	4hr 46min	30	0	0.00	0.00	37709	35002	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
13	GD-1	Karnataka	11-Oct-21 00:05	11-Oct-21 11:27	11hr 22min	0	30	0.00	0.00	37823	33617	Complete Outage of 220kV/66kV T Gollahalli SS of KPTCL: 220kV/66kV T Gollahalli SS was radially fed from 400kV/220kV Kolar_PG SS. The triggering incident was the R-phase CT failure of the bus coupler at 220kV T Gollahalli. Since 220kV BBP was out of service at T Gollahalli SS, the fault was cleared by tripping of connected 220kV lines on Zone-2 operation at the remote end. This resulted in a complete loss of supply at 220kV/66kV T Gollahalli SS.	1. 220kV Kolar_PG -T.Gollahalli Line-1 2. 220kV Kolar_PG -T.Gollahalli Line-2
14	GD-1	Karnataka	13-Oct-21 02:17	13-Oct-21 07:14	4hr 57min	0	0	0.00	0.00	37372	34077	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
15	GD-1	Andhra Pradesh	14-Oct-21 02:02	14-Oct-21 15:39	13 hrs 37 min	0	0	0.00	0.00	37073	34372	Complete Outage of 400kV RYTPP Generating Station of APGENCO: During antecedent conditions, 400kV Kalkiri RYTPP Line -1 was under outage. Triggering incident was tripping of 400kV Kalkiri RYTPP Line -2 on over voltage stage-1 protection at RYTPP end and DT was received at Kalkiri end. Since both the lines connected to RYTPP got tripped, this resulted in complete outage of 400kV RYTPP generating station. There was no generation in RYTPP during this event.	1. 400kV Kalkiri RYTPP Line -2
16	GD-1	Karnataka	15-Oct-21 01:54	15-Oct-21 06:28	4hr 22min	10	0	0.00	0.00	35612	32977	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
17	GD-1	Karnataka	21-Oct-21 04:56	21-Oct-21 06:39	1hr 43min	0	0	0.00	0.00	32903	36268	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
18	GD-1	Karnataka	22-Oct-21 02:05	22-Oct-21 07:04	4 hr 59 min	14	0	0.00	0.00	33045	35933	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
19	GD-1	Karnataka	22-Oct-21 03:29	22-Oct-21 05:52	2 hr 23 min	0	0	0.00	0.00	32258	35302	Complete Outage of 220kV/33kV KSPDCL SS-2 of KSPDCL: As per the report submitted, triggering incident was operation of OV stage-1 protection at Pavagada end and DT was received at KSPDCL SS-2 end. Due to tripping of the only connected line there was complete outage of 220kV/33kV KSPDCL SS-2.	1. 220kV Pavagada KSPDCL SS-2
20	GD-1	Karnataka	22-Oct-21 03:29	22-Oct-21 05:53	2 hr 24 min	0	0	0.00	0.00	32258	35302	Complete Outage of 220kV/33kV KSPDCL SS-4 of KSPDCL: As per the report submitted, triggering incident was operation of OV stage-1 protection at Pavagada end and DT was received at KSPDCL SS-4 end. Due to tripping of the only connected line there was complete outage of 220kV/33kV KSPDCL SS-4.	1. 220kV Pavagada KSPDCL SS-4
21	GD-1	Karnataka	22-Oct-21 03:29	22-Oct-21 05:51	2 hr 22 min	0	0	0.00	0.00	32258	35302	Complete Outage of 220kV/33kV KSPDCL SS-1 of KSPDCL: As per the report submitted, triggering incident was operation of OV stage-1 protection at KSPDCL SS-1 end and DT was received at Pavagada end. Due to tripping of the only connected line there was complete outage of 220kV/33kV KSPDCL SS-1.	1. 220kV Pavagada KSPDCL SS-1
22	GD-1	Karnataka	23-Oct-21 01:38	24-Oct-21 01:38	24 hr	0	54	0.00	0.00	32962	36794	Complete Outage of 220kV/110kV Narenda SS of KPTCL: During antecedent conditions, all the elements were connected to 220kV Bus-1 at 220kV/110kV Narenda SS. As per the report submitted, triggering incident was 220kV Bus-1 B-Phase PT failure at 220kV/110kV Narenda SS. Bus-1 BBP operated and all the elements connected to Bus-1 got tripped resulting in the complete outage of 220kV/110kV Narenda SS.	1. 220kV Narenda-Ambewadi-1 2. 220kV Narenda-Hubli-1&2 3. 220kV Narenda-Kanabargi-1&2 4. 220kV Narenda-Bidnal 5. 220kV Narenda-Haveri 6. 100MVA Transformer-1&2

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



Sl No.	Category of Grid Event (GI for 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 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)	Name of Elements (Tripped/Manually opened)
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
						23	GD-1	Andhra Pradesh	23-Oct-21 03:23	23-Oct-21 11:00	7 hr 37 mins		
24	GD-1	Karnataka	24-Oct-21 01:24	24-Oct-21 06:54	5 hr 30 min	0	0	0.00	0.00	31675	35787	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
25	GD-1	Karnataka	25-Oct-21 01:18	25-Oct-21 07:00	6hr 42min	0	0	0.00	0.00	30445	33564	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant : As per the report submitted, triggering incident was tripping of 220kV Hiriyur Ostro Kannada line on operation of Over voltage stage-1 protection at Ostro Kannada end and DT was received at Hiriyur end. Due to tripping of the only connected line , there was complete loss of supply at 220kV/33kV Ostro Kannada Wind Plant.	1. 220kV Hiriyur Ostro Kannada
26	GD-1	Pondicherry	29-Oct-21 09:39	29-Oct-21 12:28	2hr 39min	0	16	0.00	0.00	42767	45905	Complete Outage of 230kV/110kV Karaikal SS of Pondicherry: As per the report submitted, triggering incident was RYN fault in 230kV Neyveli Karaikal and 230kV Bahoor Karaikal lines. Both the lines got tripped and this resulted in complete outage of 230kV/110kV Karaikal SS.	1. 230kV Neyveli Karaikal line 2. 230kV Bahoor Karaikal line
27	GD-1	Andhra Pradesh	29-Oct-21 23:28	30-Oct-21 16:35	17hr 7min	0	0	0.00	0.00	29733	33308	Complete Outage of 400kV RYTPP Generating Station of APGENCO: During antecedent conditions, 400kV Kalkiri RYTPP Line -2 was under outage. Triggering incident was tripping of 400kV Kalkiri RYTPP Line -1 on over voltage stage-1 protection at RYTPP end and DT was received at Kalkiri end. Since both the lines connected to RYTPP got tripped, this resulted in complete outage of 400kV RYTPP generating station. There was no generation in RYTPP during this event.	1. 400kV Kalkiri RYTPP Line -1
28	GD-1	Andhra Pradesh	31-Oct-21 02:43	31-Oct-21 06:37	3hr 54min	0	0	0.00	0.00	30553	32970	Complete Outage of 400kV RYTPP Generating Station of APGENCO: During antecedent conditions, 400kV Kalkiri RYTPP Line -2 was under outage. Triggering incident was tripping of 400kV Kalkiri RYTPP Line -1 on over voltage stage-1 protection at RYTPP end and DT was received at Kalkiri end. Since both the lines connected to RYTPP got tripped, this resulted in complete outage of 400kV RYTPP generating station. There was no generation in RYTPP during this event.	1. 400kV Kalkiri RYTPP Line -1
29	GD-1	Andhra Pradesh	31-Oct-21 21:30	01-Nov-21 20:21	23hr 51min	0	0	0.00	0.00	31810	35852	Complete Outage of 400kV RYTPP Generating Station of APGENCO: During antecedent conditions, 400kV Kalkiri RYTPP Line -1 was under outage. Triggering incident was tripping of 400kV Kalkiri RYTPP Line -2 on over voltage stage-1 protection at RYTPP end and DT was received at Kalkiri end. Since both the lines connected to RYTPP got tripped, this resulted in complete outage of 400kV RYTPP generating station. There was no generation in RYTPP during this event.	1. 400kV Kalkiri RYTPP Line -2
30	GI-1	Tamil Nadu	01-Oct-21 00:58	01-Oct-21 01:59	1hr 1min	0	0	0.00	0.00	35239	37390	Tripping of 230kV Bus of 230kV/110kV Pasumalai SS of TANTRANSCO: During antecedent conditions, all the elements were connected to 230kV Bus-1 at Pasumalai SS. As per the report submitted, triggering incident was failure of 230kV R-phase Bus-1 PT at 230kV/110kV Pasumalai SS. This resulted in de-energisation of 230kV Bus of 230kV/110kV Pasumalai SS on operation of BBP. 110kV Bus at Pasumalai SS was intact during this event.	1. 230kV Pasumalai Kinnamangalam 2. 230kV Pasumalai Kayathar 3. 230kV/110kV Auto Transformer 1&2 4. 230kV Pasumalai TTPS 5. 230kV Pasumalai Anupankulam 6. 230kV Pasumalai Chekkanurani
31	GI-1	Tamil Nadu	01-Oct-21 17:53	01-Oct-21 18:19	26min	0	0	0.00	0.00	36673	41133	Tripping of 230kV Bus of 230kV/110kV Karaikudi_TN SS of TANTRANSCO: During antecedent conditions, all the elements were connected to 230kV Bus-1 at Karaikudi_TN SS. As per the report submitted, triggering incident was B-N fault in 230kV Bus coupler at Karaikudi_TN SS. This resulted in de-energisation of 230kV Bus of 230kV/110kV Karaikudi_TN SS on operation of BBP. 110kV Bus at Karaikudi_TN was intact during this event.	1. 230kV Karaikudi_TN Kavanur-1,2,3&4 2. 230kV Karaikudi_TN N T Kudi 1&2 3. 230kV Karaikudi_TN Karaikudi_PG 1&2 4. 230kV/110kV Auto Transformer 5. 230kV/110kV LV 1&3 6. 230kV GC
32	GI-1	Tamil Nadu	11-Oct-21 13:58	11-Oct-21 14:15	17min	0	0	0.00	0.00	47981	42450	Tripping of 230kV bus-1 of 400kV/230kV/110kV Alamathy SS of TANTRANSCO: Triggering incident was suspected maloperation of LBB protection of 230kV Alamathy Manali line-1 at Alamathy end. This resulted in the tripping of all the elements connected to 230kV Bus-1 at 400kV/230kV/110kV Alamathy SS including 400kV/230kV Alamathy ICT#4 and #5.	1. 400/230kV Alamathy ICT#4 2. 400/230kV Alamathy ICT#5
33	GI-1	Karnataka	16-Oct-21 17:00	16-Oct-21 18:47	1 hr 47 min	206	0	0.01	0.00	36508	37486	Multiple trippings in 220kV Sharavathy Generating Station of KPCL: As per the report submitted, triggering incident was governor fault in Unit-1. Unit-1 LBB got operated tripping all the connected elements of 220kV South East Bus at 220kV Sharavathy Generating Station.	1. Unit 1,2,4&5 2. 220kV Sharavathy Sirsi-1 3. 220kV Sharavathy Talaguppa -1&3 4. 220kV Sharavathy Balligavi
34	GI-1	Karnataka	16-Oct-21 19:16	16-Oct-21 19:35	19 min	213	0	0.01	0.00	37597	38615	Multiple trippings in 220kV Sharavathy Generating Station of KPCL: As per the report submitted, triggering incident was heavy arcing in R-phase isolator while closing R-phase Unit-1 isolator. Unit-1 LBB got operated tripping all the connected elements of 220kV South East Bus at 220kV Sharavathy Generating Station.	1. Unit 1,2,4&5 2. 220kV Sharavathy Sirsi-1 3. 220kV Sharavathy Talaguppa -1&3 4. 220kV Sharavathy Balligavi
35	GI-1	Andhra Pradesh	21-Oct-21 04:52	21-Oct-21 12:50	7 hr 58 min	0	0	0.00	0.00	32746	36135	Tripping of 220kV Bus 1 of 400kV/220kV KV Kota SS of APTRANSCO: As per the report submitted, triggering incident was fault at 220kV Bus-1 of 400kV/220kV KV Kota SS . Subsequently, Bus-1 BBP operated and all the elements connected to Bus-1 got tripped.	1. 400/220 KV KV Kota ICT-2 2. 220kV KV Kota Tie-1

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



Sl No.	Category of Grid Event (GI for 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 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)	Name of Elements (Tripped/Manually opened)
						Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
36	GI-1	Telangana	26-Oct-21 16:01	26-Oct-21 17:24	1hr 23min	0	0	0.00	0.00	39293	42395	Tripping of 220kV Bus-1 and 2 of 400kV/220kV Maheswaram_TG SS of TSTRANSCO: During annual maintenance there has been an attempt by the operating personnel to close the earth switch for testing the 220kV Madugula-2 feeder circuit breaker, while bus -2 isolator was in closed condition. During the above period the busbar relay was in blocked condition. Because of this, ICT-2 tripped on REF protection and ICT-1 tripped on HV over current protection. All the elements connected to Bus-1 and Bus-2 got tripped. This resulted in de-energisation of 220kV Bus-1 and 2 of 400kV/220kV Maheswaram_TG SS.	1. 400kV/220kV ICT-1&2 Maheswaram 2. 220kV Maheswaram Bonguluru 1&2 3. 220kV Maheswaram Fabcity 1&2 4. 220kV Maheswaram Madugula 1&2
37	GI-1	Tamil Nadu	31-Oct-21 22:08	01-Nov-21 00:12	2hr 4min	0	0	0.00	0.00	31090	34924	Tripping of 230kV Bus of 230kV/110kV/33kV Sangneri SS of TANTRANSCO: As per the report submitted, triggering incident was suspected maloperation of LBB protection of HV side of 230kV/110kV Transformer-1. This resulted in de-energisation of 230kV Bus at 230kV/110kV/33kV Sangneri SS.	1. 230kV Tirunelveli Sangneri 2. 230kV Udhayathur Sangneri 3. 230kV S.R.Pudur Sangneri 4. 230kV/110kV Transformer-1 & 2

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



Sl No.	Category of Grid Event (GI 1e-2 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 Regional Grid		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-I	Along, Pasighat, Roing, Tezu & Namsai Areas of Arunachal Pradesh Power System	03-Oct-21 07:27	03-Oct-21 13:07	5:40:00	0	16	0.0	0.0	2716	1918	Along, Pasighat, Roing, Tezu & Namsai areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Daporijo-Along line. At 07:27 Hrs on 03.10.2021, 132 kV Daporijo-Along line tripped. Due to tripping of this element, Along, Pasighat, Roing, Tezu & Namsai areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.	132 kV Daporijo - Along line
2	GD-I	Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi HEP	04-Oct-2021 13:02	04-Oct-2021 13:22	0:20:00	22	12	0.0	0.0	2782	1878	Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi HEP were connected with the rest of NER Grid through 132 kV Balipara-Tenga Line. At 13:02 Hrs on 04.10.2021, 132 kV Balipara-Tenga Line tripped. Due to tripping of this element, Tenga and Khupi areas of Arunachal Pradesh Power System and Dikshi HEP were separated from the rest of NER Grid and subsequently collapsed due to load-generation mismatch in these areas.	132 kV Balipara - Tenga line
3	GD-I	Monarchak Power Station and Rabindranagar area of Tripura Power System	06-Oct-2021 11:39	06-Oct-2021 20:35	8:56:00	65	6	0.0	0.0	1799	2396	Monarchak Power Station and Rabindranagar area of Tripura Power System were connected with the rest of NER Grid through 132 kV Monarchak - Udaipur line. 132kV Monarchak-Rokhia line was under shutdown. At 11:39 Hrs on 06.10.2021, 132 kV Monarchak - Udaipur line tripped. Due to tripping of this element, Monarchak Power Station and Rabindranagar area of Tripura Power System were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in this area.	132 kV Monarchak - Udaipur line Monarchak GTG Monarchak STG
4	GD-I	Mokokchung (DoP, Nagaland) area of Nagaland Power System and Doyang HEP	08-Oct-2021 10:22	08-Oct-2021 11:14	0:52:00	20	30	0.0	0.0	2481	2294	Mokokchung (DoP, Nagaland) area of Nagaland Power System and Doyang HEP were connected to the rest of NER Grid through 132 kV Mokokchung(PG)-Mokokchung(DoP, Nagaland) D/C Lines, 132kV Dimpur(PG)-Doyang 2 & 132 kV Doyang - Sanis Lines, 132kV Dimpur(PG)-Doyang-1 was tripped at 04:06 Hrs on 08.06.21 and was declared faulty and also there was no generation of Doyang scheduled during the disturbance. At 10:22 Hrs on 08.10.2021, 132 kV Mokokchung(PG)-Mokokchung(DoP, Nagaland) D/C Lines, 132kV Dimpur(PG)-Doyang 2 & 132 kV Doyang - Sanis Lines tripped. Due to tripping of these elements, 132 kV Mokokchung (DoP, Nagaland) area of Nagaland Power System and Doyang HEP were separated from the rest of NER Grid and subsequently collapsed due to load generation mismatch in this area. Power was extended to 132 kV Mokokchung (DoP, Nagaland) area of Nagaland Power System by charging 132 kV	132 kV Mokokchung(PG)-Mokokchung(DoP, Nagaland) D/C Lines, 132kV Dimpur(PG)-Doyang 2 & 132 kV Doyang - Sanis lines
5	GD-I	Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System	08-Oct-2021 11:21	08-Oct-2021 11:47	0:26:00	0	14	0.0	0.0	2439	2356	Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Along-Pasighat Line. At 11:21 Hrs on 08.10.2021, 132 kV Along-Pasighat Line tripped. Due to tripping of this element, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.	132 kV Along-Pasighat Line
6	GD-I	Jawaharnagar area of Assam Power System	09-Oct-2021 11:35	09-Oct-2021 11:42	0:07:00	0	24	0.0	0.0	2386	2368	Jawaharnagar area of Assam Power System was connected with rest of NER grid through 220 kV Jawaharnagar - Samaguri Line. 220 kV Jawaharnagar - Sarusajai Line was under planned shutdown. At 11:35 Hrs on 09.10.21, 220 kV Jawaharnagar - Samaguri Line tripped. Due to tripping of this element, Jawaharnagar area of Assam Power System was separated from rest of NER Grid and subsequently collapsed due to no source available in these areas.	220 kV Jawaharnagar - Samaguri Line
7	GD-I	Along, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System	11-Oct-2021 17:09	12-Oct-2021 12:22	19:13:00	0	23	0.0	0.0	2689	2810	Along, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Daporijo-Along Line. At 17:09 Hrs on 11.10.2021, 132 kV Daporijo-Along Line tripped. Due to tripping of this element, Along, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas.	132 kV Daporijo-Along Line
8	GD-I	Udaipur area of Tripura Power System	13-Oct-2021 04:14	13-10-2021 13:11	8:57:00	0	12	0.0	0.0	1724	2347	Udaipur area of Tripura Power System was connected with the rest of NER grid through 132 kV Palatana - Udaipur line & 132 kV Monarchak-Udaipur line. At 04:14 Hrs on 13.10.21, 132 kV Palatana - Udaipur line & 132 kV Monarchak-Udaipur line tripped. Due to tripping of these elements, Udaipur area of Tripura Power System were separated from rest of NER Grid and subsequently collapsed due to no source in the area.	132 kV Palatana - Udaipur & 132 kV Monarchak-Udaipur lines
9	GD-I	Monarchak Power Station, Rabindranagar and Rokhia areas of Tripura Power System	13-Oct-2021 04:23	13-Oct-2021 05:08	0:45:00	97	18	0.1	0.0	1688	2317	Monarchak Power Station, Rabindranagar and Rokhia areas of Tripura Power System were connected with rest of NER grid through 132 kV Rokhia - Agartala 1 line, 132 kV Rokhia - Agartala 2 line and 132 kV Monarchak - Rokhia line. 132 kV Monarchak - Udaipur Line & 132 kV Palatana - Udaipur were under outage after tripping at 04:14 Hrs of 13.10.21. At 04:23 Hrs on 13.10.21, 132 kV Rokhia - Agartala 1 line, 132 kV Rokhia - Agartala 2 line and 132 kV Monarchak - Rokhia line tripped. Due to tripping of these elements, Monarchak Power Station, Rabindranagar and Rokhia areas of Tripura Power System were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	132 kV Rokhia - Agartala 1 line, 132 kV Rokhia - Agartala 2 line and 132 kV Monarchak - Rokhia line
10	GD-I	Monarchak Power Station, Rabindranagar and Rokhia areas of Tripura Power System	13-Oct-2021 07:09	13-Oct-2021 07:34	0:25:00	19	25	0.0	0.0	1830	2285	Monarchak Power Station, Rabindranagar and Rokhia areas of Tripura Power System were connected with rest of NER grid through 132 kV Rokhia - Agartala 1 line, 132 kV Rokhia - Agartala 2 line and 132 kV Monarchak - Rokhia line. 132 kV Monarchak - Udaipur Line & 132 kV Palatana - Udaipur were under outage after tripping at 04:14 Hrs of 13.10.21. At 07:09 Hrs on 13.10.21, 132 kV Rokhia - Agartala 1 line, 132 kV Rokhia - Agartala 2 line, 132 kV Monarchak - Rokhia line tripped. Due to tripping of these elements, Monarchak Power Station, Rabindranagar and Rokhia areas of Tripura Power System were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas.	132 kV Rokhia - Agartala 1 line, 132 kV Rokhia - Agartala 2 line, 132 kV Monarchak - Rokhia line
11	GD I	Karbi Langpi Generating Station of Assam Power System	14-Oct-21 11:06	14-Oct-21 11:17	0:11:00	51	0	0.0	0.0	1764	2273	Karbi Langpi Generating Station of Assam Power System was connected with the rest of NER Grid through 220 kV Sarusajai-Karbi Langpi 1 line and 220 kV Sarusajai-Karbi Langpi 2 line. At 11:06 Hrs on 14.10.2021, 220 kV Sarusajai-Karbi Langpi 1 line and 220 kV Sarusajai-Karbi Langpi 2 line tripped. Due to tripping of these elements, Karbi Langpi Generating Station of Assam Power System was separated from rest of NER Grid and subsequently collapsed due to loss of evacuation path.	220 kV Sarusajai-Karbi Langpi 1 line and 220 kV Sarusajai-Karbi Langpi 2 line
12	GD I	Karbi Langpi Generating Station of Assam Power System	14-Oct-21 12:28	14-Oct-21 12:40	0:12:00	51	0	0.0	0.0	1759	2269	Karbi Langpi Generating Station of Assam Power System was connected with the rest of NER Grid through 220 kV Sarusajai-Karbi Langpi 1 line and 220 kV Sarusajai-Karbi Langpi 2 line. At 12:28 Hrs on 14.10.2021, 220 kV Sarusajai-Karbi Langpi 1 line and 220 kV Sarusajai-Karbi Langpi 2 line tripped. Due to tripping of these elements, Karbi Langpi Generating Station of Assam Power System was separated from rest of NER Grid and subsequently collapsed due to loss of evacuation path. Power was extended to Karbi Langpi area of Assam Power System by charging 220 kV Sarusajai-Karbi Langpi 1 line and 220 kV Sarusajai-Karbi Langpi 2 line at 12:40 Hrs on 17.10.21.	220 kV Sarusajai-Karbi Langpi 1 line and 220 kV Sarusajai-Karbi Langpi 2 line

Details of Grid Events during the Month of October 2021 in North 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: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 Regional Grid		Antecedent Generation/Load in the Regional Grid		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI I to 2/ GD-I to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
13	GD-I	Kohima area of Nagaland Power System & Karong area of Manipur Power System	15-Oct-21 11:54	15-Oct-21 12:02	0:08:00	0	21	0.0	0.0	2436	2167	Kohima area of Nagaland Power System & Karong area of Manipur Power System were connected with the rest of NER Grid through 132 kV Imphal (Yurembam)-Karong & 132 kV Dimapur(PG)-Kohima lines. 132 kV Kohima-Meluri line was under shutdown due to tower on the verge of collapse & 132 kV Kohima-Wokha was under planned shutdown. At 11:54 Hrs on 15.10.2021, 132 kV Imphal (Yurembam)-Karong line & 132 kV Dimapur(PG)-Kohima line tripped. Due to tripping of these elements, Kohima area of Nagaland Power System & Karong area of Manipur Power System were separated from rest of NER Grid and subsequently collapsed due to no source available in these areas. Power was extended to Kohima area of Nagaland Power System & Karong area of Manipur Power System by charging 132 kV Imphal (Yurembam)-Karong and 132 kV Karong-Kohima at 12:02 Hrs on 15.10.21	132 kV Imphal (Yurembam)-Karong line & 132 kV Dimapur(PG)-Kohima line
14	GD-I	Kohima & Karong area of Nagaland & Manipur Power System respectively	15-Oct-21 12:14	15-Oct-21 12:18	0:04:00	0	20	0.0	0.0	2437	2173	Kohima area of Nagaland Power System & Karong area of Manipur Power System were connected with the rest of NER Grid through 132 kV Imphal (Yurembam)-Karong line & 132 kV Karong-Kohima line. 132 kV Kohima-Meluri line was under shutdown due to tower on the verge of collapse. 132 kV Kohima-Wokha was under planned shutdown. 132 kV Dimapur - Kohima line was under outage since 11:54 Hrs on 15.10.2021. At 12:14 Hrs on 15.10.2021, 132 kV Imphal (Yurembam)-Karong and 132 kV Karong-Kohima tripped. Due to tripping of these elements, Kohima area of Nagaland Power System & Karong area of Manipur Power System were separated from rest of NER Grid and subsequently collapsed due to no source available in these areas.	132 kV Imphal (Yurembam)-Karong line & 132 kV Karong-Kohima line
15	GD-I	Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System	16-Oct-2021 12:51	16-Oct-2021 13:20	0:29:00	0	13	0.0	0.0	1670	2362	Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Along - Pasighat Line. At 12:51 Hrs on 16.10.2021, 132 kV Along - Pasighat Line tripped. Due to tripping of this element, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in the area. Power was extended to Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System by charging 132 kV Along - Pasighat Line at 13:20 Hrs on 16.10.2021.	132 kV Along - Pasighat Line
16	GD-I	Daporijo, Along, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System	16-Oct-2021 13:28	16-Oct-2021 17:58	4:30:00	0	10	0.0	0.0	1670	2254	Daporizo, Along, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Ziro - Daporijo Line. At 13:28 Hrs on 16.10.2021, 132 kV Ziro - Daporijo Line tripped. Due to tripping of this element, Daporizo, Along, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were separated from the rest of NER Grid and subsequently collapsed due to no source available in these areas. Power was extended to Daporizo, Along, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System by charging 132 kV Ziro - Daporijo Line at 17:58 Hrs on 16.10.2021.	132 kV Ziro - Daporijo Line
17	GD-I	Karbi Langpi Generating Station of Assam Power System	17-Oct-21 05:05	17-Oct-21 05:17	0:12:00	0	85	0.0	0.0	1761	2277	Karbi Langpi Generating Station of Assam Power System was connected with the rest of NER Grid through 220 kV Sarusajai-Karbi Langpi 1 line and 220 kV Sarusajai-Karbi Langpi 2 line. At 05:05 Hrs on 17.10.2021, 220 kV Sarusajai-Karbi Langpi 1 line and 220 kV Sarusajai-Karbi Langpi 2 line tripped. Due to tripping of these elements, Karbi Langpi Generating Station of Assam Power System was separated from rest of NER Grid and subsequently collapsed due to loss of evacuation path. Power was extended to Karbi Langpi area of Assam Power System by charging 220 kV Sarusajai-Karbi Langpi 1 line and 220 kV Sarusajai-Karbi Langpi 2 line at 05:17 & 05:20 Hrs on 17.10.21 respectively.	220 kV Sarusajai-Karbi Langpi 1 line and 220 kV Sarusajai-Karbi Langpi 2 line
18	GD-I	Kohima and Wokha areas of Nagaland Power System & Karong area of Manipur Power System	20-Oct-21 01:41	20-Oct-21 02:06	0:25:00	0	13	0.0	0.0	2036	1950	Kohima and Wokha areas of Nagaland Power System & Karong area of Manipur Power System were connected with the rest of NER Grid through 132 kV Dimapur(PG)-Kohima (DoP, Nagaland) line, 132 kV Imphal (Yurembam)-Karong line & 132 kV Sanis-Wokha line. 132 kV Kohima-Meluri line was under shutdown due to tower on the verge of collapse. At 01:41 Hrs on 20.10.2021, 132 kV Dimapur(PG)-Kohima (DoP, Nagaland) line, 132 kV Imphal (Yurembam)-Karong line & 132 kV Sanis-Wokha line tripped. Due to tripping of these elements, Kohima and Wokha areas of Nagaland Power System & Karong area of Manipur Power System were separated from rest of NER Grid and subsequently collapsed due to no source available in these areas. Power was extended to Kohima and Wokha areas of Nagaland Power System by charging 132 kV Dimapur(PG)-Kohima line, Karong area of Manipur Power System was connected with the rest of NER Grid through 132 kV Imphal (Yurembam)-Karong & 132 kV Karong-Kohima lines.	132 kV Dimapur(PG)-Kohima (DoP, Nagaland) line, 132 kV Imphal (Yurembam)-Karong line & 132 kV Sanis-Wokha line
19	GD-I	Karong area of Manipur Power System	21-Oct-21 16:14	21-Oct-21 16:18	0:04:00	0	16	0.0	0.0	2130	2281	Karong area of Manipur Power System was connected with the rest of NER Grid through 132 kV Imphal (Yurembam)-Karong & 132 kV Karong-Kohima lines. At 16:14 Hrs on 21.10.2021, 132 kV Imphal (Yurembam)-Karong & 132 kV Karong-Kohima lines tripped. Due to tripping of these elements, Karong area of Manipur Power System was separated from rest of NER Grid and subsequently collapsed due to no source available in the area. Power was extended to Karong area of Manipur Power System by charging 132 kV Imphal (Yurembam)-Karong at 16:18 hrs on 21.10.2021.	132 kV Imphal (Yurembam)-Karong & 132 kV Karong-Kohima lines
20	GD-I	Kolasib area of Mizoram Power System	28-Oct-21 13:18	28-Oct-21 14:00	0:42:00	58	3	0.0	0.0	2001	2105	Kolasib area of Mizoram Power System was connected with the rest of NER Grid through 132 kV Badarpur-Kolasib line & 132 kV Aizawl - Kolasib line. At 13:18 Hrs on 28.10.2021, 132 kV Badarpur-Kolasib line & 132 kV Aizawl - Kolasib lines tripped. Due to tripping of these elements, Kolasib area of Mizoram Power System was separated from rest of NER Grid and subsequently collapsed due to load generation mismatch. Power was extended to Kolasib area of Mizoram Power System by charging 132kV Badarpur - Kolasib line at 14:00 Hrs on 28.10.2021	132 kV Badarpur-Kolasib line & 132 kV Aizawl - Kolasib
21	GI-I	Assam	01-Oct-21 13:22	01-Oct-21 15:30	2:08:00	25	0	0.0	0.0	2045	2147	Khandong unit 2 tripped at 13:22 hours on 01-10-21 due to overvoltage. Revision done from Block No. 63 on 01-10-21.	Khandong - UNIT 2
22	GI-II	Arunachal Pradesh	03-Oct-21 01:17	03-Oct-21 03:00	1:43:00	150	0	0.1	0.0	2573	2287	Kameng unit 2 tripped at 01:17 hours on 03-10-21 due to excitation card malfunction. Revision done from Block No. 13 on 03-10-21.	Kameng - UNIT 2

Details of Grid Events during the Month of October 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)		
23	GI-II	Tripura	06-Oct-21 20:51	06-Oct-21 22:30	1:39:00	218	0	0.1	0.0	2163	2590	Palatana ST-I & Palatana ST-II tripped at 20:51 hours on 06-10-21 due to opening of GT exhaust bleed valve. Revision done from Block No. 91 on 06-10-21.	Palatana ST-I & Palatana ST-II
24	GI-I	Tripura	13-Oct-21 04:14	13-Oct-21 06:00	1:46:00	34	0	0.0	0.0	1724	2347	AGTCCPP Unit 2 tripped at 04:14 hours on 13-10-21 due to operation of under voltage relays. Revision done from Block No. 25 on 13-10-21.	AGTCCPP Unit 2
25	GI-II	Assam	16-Oct-21 12:13	16-Oct-21 14:00	1:47:00	29	0	0.0	0.0	1721	2366	AGBPP Unit 2 tripped at 14:00 hours on 16-10-21 due to high vibration in turbine end (Bearing No.1). Revision done from Block No. 57 on 16-10-21.	AGBPP Unit 2
26	GI-I	Assam	17-Oct-21 11:53	17-Oct-21 13:30	1:37:00	19.5	0	0.0	0.0	1728	2221	Khandong Unit 1 tripped at 11:53 hours on 17-10-21 due to very high thrust bearing temperature. Revision done from Block No. 55 on 17-10-21.	Khandong Unit 1
27	GI-II	Assam	18-Oct-21 15:53	18-Oct-21 17:30	1:37:00	37	0	0.0	0.0	2380	2523	AGBPP Unit 6 tripped at 15:53 hours on 18-10-21 due to IGB control trouble. Revision done from Block No. 71 on 18-10-21.	AGBPP Unit 6
28	GI-I	Assam	20-Oct-21 18:24	20-Oct-21 20:30	2:06:00	35	0	0.0	0.0	2259	2796	Loktak Unit 1 tripped at 18:24 Hour on 20-10-21 due to over current in unit auxiliary transformer. Revision done from Block No. 83 on 20-10-21.	Loktak Unit 1
29	GI-II	Tripura	21-Oct-21 11:16	21-Oct-21 13:00	1:44:00	635	0	0.3	0.0	2524	2024	Palatana Module 1 & 2 tripped at 11:16 hours on 21-10-21 due to gas fuel fault. Revision done from Block No. 53 on 21-10-21.	Palatana Module 1 & 2
30	GI-II	Tripura	22-Oct-21 08:16	22-Oct-21 10:15	1:59:00	218	0	0.0	0.0	2757	2043	Palatana STG-1 tripped at 08:16 hours on 22-10-21 due to HP top bottom facing high temperature high. Revision done from Block No. 41 on 22-10-21.	Palatana STG-1
31	GI-I	Assam	29-Oct-21 19:47	29-Oct-21 22:00	2:13:00	22	0	0.0	0.0	3115	2816	Kopili Sg II Unit 1 tripped at 19:47 hours on 29-10-21 due to governor problem. Revision done from Block No. 89 on 29-10-21.	Kopili Sg II Unit 1