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SI 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 gene during	ration / loss of load the Grid Event	% Loss of generation Antecedent Genera Regional Grid durin	ation/Load in the	Antecedent General Regional (Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1or 2/ GD-1 to GD-5)		of Grid Event	Restoration	(HH:MM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GI-2	UTTAR PRADESH	01-May-2022 17:34	01-May-2022 18:40	1:06	0	0	0.000	0.000	46435	55421	As reported at 17:34 Hrs, 400 KV Agra[PG]-Agra[UP] [PG] Ckt-1 tripped on B-N fault followed by tripping of 400 KV Agra[PG]-Agra Fatehabad(UP) [PG] Ckt-1 on R-N fault. Further after famin at 17:35 Hrs, 755 KV Agra-shatkiran [PG] Ckt-1 tripped on N-N fault. Later at 17:51 Hrs, 000 KV Agra Fatehab-Agra South [UP] Ckt-1 tripped on B-N fault followed by tripping of 756 KV Agra- Fatehabad(UP)-Gr. Nolda _2 [UPC] (GTL) Ckt-1 at 17:25 Hrs on B-N fault. Multiple faults occurred due to thunderstorm / inclement weather condition. As per PMUL R-R B-N fault 17:23 Hrs, N-N fault with unsuccessful AR poperation at 17:35 Hrs on B-N fault with unsuccessful AR poperation at 17:35 Hrs is observed. In antecedent condition, 400 KV Agra[PG]-Agra[UP] (PG) Ckt-1, 400 KV Agra[PG]-Agra Fatehabad(UP) (PG) Ckt-1, 765 KV Agra-shatkiran (PG) Ckt-1 were carrying SMW, 24MW & 74IMW respectively.	1) 400 KV Agra[PG]-Agra[UP] (PG) Ckt-1 2) 400 KV Agra[PG]-Agra Faterbad(UP) (PG) Ckt-1 3) 785 KV Agra-Ihatikara (PG) Ckt-1
2	GI-2	HARYANA	01-May-2022 19:34	01-May-2022 21:34	2:00	0	0	0.000	0.000	45296	54640	As reported, 800 KV HVDC Kurukshetra[PG]-Champa[PG] [PG] Ckt-1 tripped on DC line fault. At the same time, 800 KV HVDC Kurukshetra[PG]-Champa[PG] [PG] Ckt-2 & Ckt-b both tripped on common longitudinal differential protection operation during thunderstorm Indiement weather condition. As per PMU, to fault is observed. In antecedent condition, 800 KV HVDC Kurukshetra[PG]-Champa[PG] Bipole-1 & Bipole-2 were carrying total 3000MW.	1) 800 KV HVDC Kurukshetra(PG)-Champa(PG) (PG) Ckt-4 2) 800 KV HVDC Kurukshetra(PG)-Champa(PG) (PG) Ckt-1 3) 800 KV HVDC Kurukshetra(PG)-Champa(PG) (PG) Ckt-2
3	GD-1	RAJASTHAN	02-May-2022 11:06	02-May-2022 11:39	0:33	1300	o	2.422	0.000	53679	58291	As reported at 11.06 Hrs, 400/220 kV 500 MVA ICT 1 & ICT 2 at Adain RenewBul, SL. FGABH. FBTL (ABEDRL) tripped on thermal over loading protection operation. With the troping of both the ICTs which were carrying approx. 800MW total sudden over votings occurred. On this over votinges, FSV IBBland = JG (SL-14, 75 KV Memer Bulla), E. PG (SL-1, 75 KV Memer Bulla), E	11 400/220 kV 500 MVA ICT 2 at Adani RenewPark_SL_FGARH_FBTL (AREPRL) 21 765 KV Bikaner-Bhadia_2 (PG) Ctk-1 37 55 KV Ajme-Badia_2 (PG) Ctk-1 40 755 KV Bhadia_2 (PG)-Farehgarh_II(PG) (PFTL) Ctk-1 520 KV Arum-PSS-41 SL_9BHp - PG (POP)-Bhadial(PG) (Anure) Ctk-1 6) 220 KV AT Aum-PSS-41 SL_9BHp - PG (POP)-Bhadial(PG) (Anure) Ctk-1 6) 220 KV AT Aum-PSS-41 SL_9BHp - PG (PG) (PBTL) Ctk-1 8) 240 KV ALT AUM AND AND AND ALT AUM AND A
4	GD-1	RAJASTHAN	02-May-2022 11:23	02-May-2022 15:20	3:57	420	0	0.788	0.000	53288	57747	As reported at 11:23 Hrs, 400 KV Bhinmal(PG)-Barmer(RS) (RS) Ckt-1 tripped on Y-N phase to earth fault after unsuccessful A/R operation, fault distance and fault current was 20km & 6.6kf from Bihinmal end. At the same time, 400 KV Bhinmal(PG)-Barmer(RS) (RS) Ckt-2 tripped on DT received at their end. During same time, loops in wing experience of approx. 20YMW occurred with recovered after approx. 177min. As per PMU, Y-4 phase to earth fault with unsuccessful x/R operation is observed. As per SCADA, loss in Rajasthan wing exercision of approx. 20YMW is observed. In antexedent condition, 400 KV Bhinmal(PG)-Barmer(RS) (RS) Ckt-1 & Ckt-2 were carrying approx. 577MW each.	1) 400 KV Bhinmal(PG)-Barmer(RS) (RS) Ckt-2 2) 400 KV Bhinmal(PG)-Barmer(RS) (RS) Ckt-1
5	GD-1	RAJASTHAN	02-May-2022 11:58	02-May-2022 12:50	0:52	240	0	0.442	0.000	54310	59114	As reported, 220/33 kV 100 MVA ICT 1, ICT 2 & ICT 3 at Mahindra SL_BHD_PG (MAHINDRA) tripped on over voltage protection operation. As per PMU, voltage of 220/4 Bhadia-Mahindra SL_BHD_PG ckt was 211kV during antecedent condition which shows that over voltage was not there. As per SCADA, drop in solar generation of approx. 240/MV is observed. In antecedent condition, 20/33 AV 100 MVA ICT 1, ICT 2 & ICT 3 at Mahindra SL_BHD_PG (MAHINDRA) were carrying approx. 73MWV, 95WM & 73MWV respectively.	1) 220/33 kV 100 MVA ICT 2 at Mahindra SL_BHD_PG (MAHINDRA) 2) 220/33 kV 100 MVA ICT 3 at Mahindra SL_BHD_PG (MAHINDRA)
6	GD-1	1 & K	04-May-2022 12:49	04-May-2022 13:51	1:02	0	75	0.000	0.125	52396	59974	As reported at 12:48 Hrs, 220 KV Kishenpur(PG)-Udhampur(PDD) (PG) Ckt-1 & Ckt-2 and 220 KV Sama(PS)-Udhampur(PDD) (PDD) Ckt-1 tripped on 8-N phase to earth fault. As per PMU 8-N phase to earth fault is observed. As per SCADA SDE, it seems that 220 KV Kishenpur(PG)-Udhampur(PDD) (PG) Ckt-1 successfully autoreclosed from Kishenpur end. As per SCADA, change in load of apprax. 740M is observed. In antecedent condition, 220 KV Kishenpur(PG)-Udhampur(PDD) (PG) Ckt-1 & Ckt-2 were carrying 70MW each.	1) 220 KV Kishenpur(PG)-Udhampur(PDD) (PG) Ckt-2 2) 220 KV Kishenpur(PG)-Udhampur(PDD) (PG) Ckt-1 3) 220 KV Sama(PS)-Udhampur(PDD) (PDD) Ckt-1
7	GD-1	UTTAR PRADESH	05-May-2022 00:35	05-May-2022 01:35	1:00	0	19	0.000	0.040	41361	48071	As reported at 00.35 Hrs, 8-N phase to earth fault occurred on 220kV Muzaffarmager-Charla ckt in Z-1 with distance of 33km from Muzaffarmager end. As CB of this line didn't open, fault kept persisting and later this CB got damage. Further after 3 sec, 400/220 KV 315 MVA ICT 3 & ICT 2 at Muzaffarmagri(P) tripped on backup O/C, E/F protection operation. Further after 2 res. 2020K Muzaffarmager-Shamil ckt and 2004 Muzaffarmager-Isanal ckt tripped on 5% operation. Further after 3 20ms, 400/220 KV 315 MVA ICT 3 at Muzaffarmager/IDP) also tripped. At the same time, 220kV Muzaffarmager-Modipuran ckt was hand tripped. 33zW line to Purgas, Joly Rod and leutenesth ablo tripped during same time. As per PMU, Br Ny back to earth fault with delayed clearance in 5120ms to observed. As reported by SLIC-UP, load loss of around 19MW occurred during the event. In an actecedent condition, 400/220 kV 315 MVA ICT JLT 2 & ICT 3 at Muzaffarmager(UP) were carrying 62MW, 65MW & 67MW respectively.	1) 400/220 kV 315 MVA ICT 3 at Muzaffarnagar(UP) 2) 400/220 kV 315 MVA ICT 3 at Muzaffarnagar(UP) 3) 400/220 kV 315 MVA ICT 2 at Muzaffarnagar(UP)
8	GI-2	HIMACHAL PRADESH	05-May-2022 11:43	05-May-2022 12:54	1:11	0	0	0.000	0.000	48723	53928	As reported, 220kV bus bar at Wangtoo, GIS tripped on gas low level-2 alarm of GI compartment (i.e. Bus isolator compartment) of Bay-201, which led to tripping of 400/220 kV 315 MVA ICT 1 & ICT 2, 220/668V 300MVA Transformer-1 & 2 at Wangto, GISHEP, 2020 W Wangtoo -Salety and get 22 dV Wangtoo -Salety and get 22 dV Wangtoo -Salety Color of the Color of t	1) 400/220 kV 315 MVA ICT 2 at Wangto_GIS(HP) 2) 400/220 kV 315 MVA ICT 1 at Wangto_GIS(HP)
9	GD-1	HIMACHAL PRADESH ; PUNIAB	06-May-2022 19:54	06-May-2022 20:10	0:16	380	0	0.768	0.000	49491	59152	As reported at 19:54 Hrs, busbar protection of 400kV Bus-1 at Chamba operated during testing of 400kV Bus-2 at Chamba which resulted into tripping of 400k2 bx 315 MVA ICT 1 & ICT 2 at Chamba [94], 400 KV Chamba-Jalandhar [PG] Cit-1 & Cit-2, 450 KV Chambre, [2014]-Chamble/G] [PG] Cit-1 and 50 MVAB Bus Reactor No.1 at 400kV Chamble/G] [PG] Cit-1 & Cit-2, 450 KV Chambre, [2014]-Chamble/G] [PG] Cit-1 & Cit-2, 450 KV Chambre, [2014]-Chambre, [2014	3) 400/220 kv 315 MVA ICT 2 at Chamba(PG) 4) 400 KV Chamba-Jalandhar (PG) Ckt-1 5) 400 KV Chamba-Jalandhar (PG) Ckt-2

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SI No	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of	Duration (HH:MM)		ration / loss of load the Grid Event	% Loss of generation Antecedent Genera Regional Grid durin	ation/Load in the	Antecedent Generat Regional (Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1or 2/ GD-1 to GD-5)		of Grid Event	Restoration	(HH:MM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
10	GD-1	HARYANA	10-May-2022 16:09	10-May-2022 17:15	1:06	0	700	0.000	1.124	51469	62265	As reported at 16:09 Hrs, Bus fault occurred due to bursting of Y-Ph CT of 220 KY Hissar(BB)-Hissar IA(HY) (HVPNL) CRt-1 at Hissar IA end. During same time, bus bar protection at Hissar, BB operated which resulted into tripping of all 220kV lines 1c, 22 KY Hissar(BB)-Chinava(RS) (BB) CRt-1, 220 KY Hissar Sangur (BB) CRt-1 &	11 220 KV Hissar(BB)-Chirawa(RS) (BB) Ckt-1 21 220 KV Hissar(BB)-Chirawa(RS) (BB) Ckt-1 21 220 KV Hissar(BB)-Indiad Steel(HR) (HVRNL) Ckt-1 23 220 KV Hissar-Sungv (BB) Ckt-2 220 KV Hissar-Sangrur (BB) Ckt-1 41 220KV Basz 2 Art Hissar(BR), 220 KV 51 Bhwham-Hissar (BB) Ckt-2 61 220 KV Hissar(BF)-Hissar (AHV) (FG) Ckt-2 72 220 KV Hissar(BF)-Hissar (AHV) (FG) Ckt-1 81 220 KV Bhwam-Hissar (BB) Ckt-1 91 220 KV Hissar(BF)-Hissar (AHV) (FG) Ckt-1 101 220 KV Hissar(BF)-Hissar (AHV) (FG) Ckt-1
11	GD-1	J & K	11-May-2022 19:56	11-May-2022 21:08	1:12	720	0	1.417	0.000	50816	64406	As reported, 130 MW Dulhasti HPS - UNIT 1, UNIT 2 & UNIT 3 all tripped on negative phase sequence current protection operation. At the same time, 110 MW Kishenganga - UNIT 1, UNIT 2 & UNIT 3 alls o tripped GT over current protection relay (P141) operation. As per MNU plot of phase voltage at Kishenpur(PS), no fault is observed, however fluctuation in voltage is observed. And a per PMU plot of negative sequence current of 400KV Kishenpur(Dulhasti Ct-1, pagetty sequence current existed for around 12 sec and maximum negative sequence current was approx. 7AA. As per SCADA, loss in generation of approx. 335MW at Kishenganga HFD and 355MW at Dulhasti HEP is observed. As per SOE, first Units of Kishenganga tripped followed by tripping of Units of Dulhasti HEP.	1) 110 MW Kishenganga - UNIT 3 2) 130 MW Dulhasti HFS - UNIT 2 3) 110 MW Kishenganga - UNIT 1 4) 30 MW Oulhasti HFS - UNIT 3 5)130 MW Oulhasti HFS - UNIT 1 6) 110 MW Kishenganga - UNIT 2
12	GD-1	UTTAR PRADESH	14-May-2022 11:34	14-May-2022 12:53	1:19	428	0	0.757	0.000	56576	66072	As reported at 11:34 Hrs, air of CB of 200MW Unit-9 leaked and CB went under lockout condition. Further after approx. 25sec LBB of 200MW Unit-9 at Obra, B(UP) (connected to 400MV Bus-1) operated on stator earth fault. 4000V Bus 1 at Obra, B(UP) and one with the elements 400 IV Obra, 9 Sultappur (UP) IC 14., 400/220 V 133 HAVI CT 1 at Obra, B(UP), 200 MW Obra TUNT 1 UNIT 10 and UNIT 12 which were connected to 400MV Bus 1 tripped on LBB operation. As per PMU, no fault is observed. As per SCADA, loss in generation of approx. 428MW is observed at Obra, B(UP) in antecedent condition, 400 IV Obra, B-Sultanpur (UP) Ckt-1 and 400/220 kV 315 MVA ICT 1 at Obra, B(UP) were carrying 158MW & 370MW respectively.	11 400/220 kV 315 MVA (CT 1 at Clbra_B(UP) 21 200 MM Obra TFS - UNRT 9 31 200 MM Obra TFS - UNRT 1 4) 200 MM Obra TFS - UNRT 1 4) 200 MM Obra TFS - UNRT 1 5) 400 KV Obra _ Shallappr (UP) Ckt-1 6) 400 KV Obra _ Shallappr (UP) Ckt-1 6) 400 KV Obra _ Shallappr (UP) Ckt-1
13	GD-1	HIMACHAL PRADESH	15-May-2022 20:14	15-May-2022 21:48	1:34	1500	O	2.957	0.000	50725	63283	As reported, 400 KV Mathps. Inharit(S)-Rampur HEP(S) (PG) CIs-2 tripped on Y-N fault. Further after approx. Imin. 400kV Mathps. Inharit(S)-Panchkula(PG) (PG) Cist-1 also tripped on R-B phase to phase fault. With the tripping of both these lines Case-Managen HFS - UNIT 3 & UNIT 4 & UNIT 4 & UNIT 5 &	13 400 KV Nothpu Jhakri(SI)-Bampur HEP(SI) (PG) Cik-2 33 25 MW Karcham Wengton PF - UNIT 4 3 25 MW Sender Wengton PF - UNIT 4 3 25 MW Sender Wengton PF - UNIT 4 4 400 KV Nothpu Jhakri(SI)-Parchkuld(PG) (PG) Cik-1 5 66.5 7 WW Rampur HF - UNIT 5 6 25 0M W Nathpu-Jhakri HF - UNIT 5 9 50 6M W Rampur HF - UNIT 5 9 66.6 7 WW Rampur HF - UNIT 5 9 66.6 7 WW Rampur HF - UNIT 5 10 66.6 7 WW Rampur HF - UNIT 5 10 25 0M W Nathpu-Jhakri HF - UNIT 5
14	GI-2	HARYANA	16-May-2022 00:40	16-May-2022 02:50	2:10	0	0	0.000	0.000	50307	65135	As reported, 400/220 kV 315 MVA ICT 1 at Fatehabadi [PG] tripped due to external flash over on 220 KV side dropper of ICT. At the same time, 220 KV Fatehabadi [PG]-Sirssithvi) [INVTNI] Cit-1 also tripped from Fatehabad end. As per PMU, EN phase to earth fault is observed. In antecedent condition, 400/220 kV 315 MVA ICT 1 at Fatehabad (PG) and 220 KV Fatehabad (PG)-SIRSITHVI) [INVTNI]. Cit-1 were carrying 82MW & 83MW respectively.	1) 220 KV Fatehabad(PG)-Sicsa(HV) (HVPNL), CH-1 2) 400/220 kV 315 MVA ICT 1 at Fatehabad(PG)
15	GD-1	HIMACHAL PRADESH	16-May-2022 16:26	19-May-2022 13:56	21:30	140	0	0.257	0.000	54555	63100	As reported, 220 KV AD hydro(AD)-Phozal[HP] (ADHPL) Ckt-1 and 220 KV Phozal[HP]-Nallagarh[PG) (ADHPL) Ckt-1 tripped on Y-8 phase to phase fault. At the same time, 220 KV AD hydro(AD)-Nallagarh[PG) (ADHPL) Ckt-1 also tripped on R-R y hase to earth fault, ball distance was 48.2 km and fault current was 1.5k4 from AD Hydro end. Faults occurred during thumderstorm/inclinement weather condition. Ap per MNJ Y-8 double phase to earth fault is observed. As per SCADA, loss in generation of approx. 130/MNV is observed at AD Hydro HEP. In anticedent condition, 220 KV AD hydro(AD)-Phozal(HP) (ADHPL) Ckt-1 and 220 KV Phozal(HP)-Nallagarh[PG) (ADHPL) Ckt-1 were carrying 45MW, 85MW and 82MW respectively.	1) 220 KV AD hydro(AD)-Phozal(HP) (ADHPL) CR:-1 2) 220 KV AD hydro(AD)-Nallagarh(PG) (ADHPL) CR:-1 3) 220 KV Phozal(HP)-Nallagarh(PG) (ADHPL) CR:-1
16	GD-1	HIMACHAL PRADESH	19-May-2022 21:59	20-May-2022 01:01	3:02	400	0	0.799	0.000	50088	65708	As reported, 220 KV Chamera_3[NH]-Budhil[L8] (L8) Ckt-1 tripped on Y-N phase to earth fault, fault distance was 14.8km [Z-2] from Chamera_3 end, fault occurred during inclement weather condition. At the same time, 400/220 kV 315 MVAICT 1.8 ICT 2 at Chamba/FG) tripped on differential protection operation. As per information received from CPC-2, there was some configuration issue at 1 vide(314), Kerlany winding) in both the ICTs, which led to differential protection operation. Issue with the configuration has been resolved. With the tripping of ICTs, 777MV UNIT-1,2 & 3 at Chamera-31 Itripped on ions of exacustion and house to be provided in the configuration with the configuration with the configuration of the confi	11 400/220 kV 315 MVA ICT 2 at ChambalPG) 21 200 KV ChambalPG-Karnian(PF) (IPSEB) Ctt-1 32 200 KV Chamera, 3(MH-ChambalPG) (PG) Ctt-1 4) 220 KV Chamera, 3(MH-ChambalPG) (PG) Ctt-2 4) 220 KV Chamera, 3(MH-Buhl/lika) (RJ, Ctt-1 6) 400/220 kV 315 MVA ICT 1 at ChambalPG)
17	GD-1	UTTAR PRADESH	20-May-2022 00:27	20-May-2022 02:28	2:01	0	500	0.000	0.770	49283	64903	As reported, 400/220 kV 315 MVA ICT 2 at Panki(UP), 220 KV Kanpur(PG)-Panki(UP) (PG) Ckt-1, 220/33kV, 60MVA ICT-1 at Panki, 220/132kV, 160MVA ICT-2, ICT-3 & ICT-4 at Panki and 220KV Panki-kanpur South(UP) ckt all tripped on blast of Y-ph CT of 220/132kV, 160MVA ICT-2 at Panki, 4t the same time, 400/220 kV 315 MVA ICT 2 at Panki(UP) was hand tripped due to safety reason. As per MAV, Y-R phase to earl final windth later covered into three places fault wind eliagre delearance in 35ec 780ms is observed. As per SCADA, change in load of approx. 500MV is observed in UP control area. In antecedent condition, 400/220 kV 315 MVA ICT-2, ICT-3 & ICT-4 at Panki were carrying 3179MW, 184MW, 105MW, 99MW & 91MW respectively.	1) 400/220 kV 315 MVA ICT 2 at Panki(UP) 2) 220 KV Kanpur(PG)-Panki(UP) (PG) Ckt-1

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SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence	Time and Date of	Duration	Loss of gene during t	eration / loss of load the Grid Event	% Loss of generation Antecedent Genera Regional Grid durin	ation/Load in the	Antecedent Generat Regional (tion/Load in the Grid*	Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1or 2/ GD-1 to GD-5)		of Grid Event	Restoration	(HH:MM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
18	GD-1	RAJASTHAN	20-May-2022 12:31	20-May-2022 12:50	0:19	3014	0	5.239	0.000	57526	67253	1. Triggering event was the B-N phase to earth fault on 755IV Bhadla-Bikaner (PG) ckt-1 at 12-31.03.800 Hrs. Fault current and fault distance was 5.3k.8.8 158/m (1200%) from Bhadla(PG) end. As reported, B-pl. conductor of hexa zebas span from dead end tower to gantry at Bikaner end found belown. As per PMU, B-N Estat Ceater within 50m 2. During the fault, votinge at Res Stations reduced to 0.53p-0.65pu and MW drop observed on LWT operation. However, different RE stations howed different behavior during the event which is not inline with the standard LVTT operation. Journg the event, total solar generation reduction of approx. 3014M vis observed (as per SCADA) which led to drop in frequency from 50.0314: to 49.72Hz, drop of 32000 cct. 3014M vis observed (as per SCADA) which led to drop in frequency from 50.0314: to 49.72Hz, drop of 32000 cct. 3014M vis observed (as per SCADA) which led to drop in frequency from 50.0314: to 49.72Hz, drop of 755V bhadla-Fartelgant2 ckt. 1 rose up to 156 92.12M from 755kV). 5. Further after approx. 5secs. 8 10bess, 765V Bhadla-Fartelgant2 ckt. 1 rose up to 156 92.12M from 755kV). 5. Further after approx. 5secs. 8 10bess, 765V Bhadla-Fartelgant2 ckt. 1 rose up to 156 92.12M from 755kV). Furthers after approx. 5secs. 8 10bess, 765V Bhadla-Fartelgant2 ckt. 1 rose up to 156 92.12M from 755kV. 1 rose of 156 92.12M from 755kV blades from 156 92.12M from 755kV blades from 156 92.12M from 156	11 765 KV Bhadiu, 2 (PG)-Fatehgarh_II(PG) (PFTL) Ckt-1 2) 765 KV Bhadla-Bikaner (PG) Ckt-1 31 202 KV Bhadla-JourneMaylerSS SL, BHD, PG (APMPL) (APMPL) Ckt-1 4) 765 KV Fatehgarh_II(PG)-Bhadla(PG) (PBTL) Ckt-1
19	GD-1	HARYANA	20-May-2022 18:38	20-May-2022 20:29	1:51	0	338	0.000	0.550	48916	61444	At 18.38Hrs, 220 kV Daulatabad-Majra ckt-1, 220 kV Daulatabad-Sector 95 ckt-1 & 2, 400/220 kV 315 MVA ICT 1, ICT 2, ICT 3 & ICT 4 xt Daulatabad-IVI) all tripped on 220 kV bus par protection operation. Fault occurred due to broken earth wire of 220 kV Daulatabad-Sector 55 ckt-1. Ap or PMU, V M faut th delayed clearance in 360ms followed y R-1 & Y N faut to observed: Ap per 520 kC, change in bad of approx. 338MV is observed in haryana control area. In antecedent condition, 400/220 kV 315 kW kT 1, KT 2, ICT 3 is ICT 4 at Daulatabad-IVI vector carring opers. 1038MV acq ports. 1038MV acq ports. 1038MV according to the condition of the sector of the condition of the	1) 400/220 kV 315 MVA ICT 4 at Daulatabad(HV) 2) 400/220 kV 315 MVA ICT 2 at Daulatabad(HV) 3) 400/220 kV 315 MVA ICT 3 at Daulatabad(HV)
20	GD-1	UTTAR PRADESH	20-May-2022 22:46	20-May-2022 23:40	0:54	0	750	0.000	1.149	50684	65282	1. As per information received from Executive Engineer [T&C] Gr. Noida, R-N fault occurred on 220kV Gr. Noida-RC Green ckt1. 2. Auto Recloser attempt was taken by circuit breaker and got unsuccessful due to persistent fault. 3. After this, 3 phase tracinging command did not issue by relay. 4 Due to this all (15 at 400W Gr. Noida tripped on Eff procedton. As per PMUL R-B double phase to earth fault with delayed clearance in 1280ms is observed. As per SCADA, change in load of approx. 750MW observed in UP control area.	1) 400/220 kV 315 MVA ICT 1 at Gr. Noida(UPC) 2) 400/220 kV 315 MVA ICT 2 at Gr. Noida(UPC) 3) 400/220 kV 500 MVA ICT 6 at Gr. Noida(UPC) 4) 400/220 kV 500 MVA ICT 6 at Gr. Noida(UPC)
21	GD-1	HARYANA	21-May-2022 00:45	21-May-2022 03:40	2:55	0	80	0.000	0.127	46543	62905	As reported by BBMB 220 KV Bhiwani(HV)-Bhiwani(BB) (HVPNL) Ckt-2 tripped on R-Phase to ground fault (21,769 m but no trip signal or fault was observed at Bhiwani HVPNL end. Tripping of ICT 400/220 kV,500 MVA ICT (Relay: Trip Relay 888, 868K, Buch Relay30AT (A ph Buch optd)) at Bhiwani(BBMS).	1) 220 KV 8hhwani(HV)-Bhiwani(BB) (HVPNL) Ckt-2 2) 400/220 kV 500 MVA ICT 1 at Bhiwani(BB)
22	GI-2	UTTAR PRADESH	21-May-2022 15:49	21-May-2022 17:12	1:23	0	0	0.000	0.000	52107	65832	As per constituent detail 400 KV Gr.Nolda_2(UPC)-Nolda Sec 148 (UP) Ckt-1 tripped on Phase-Ground (B-Ph) 400 KV Nolda Sec 148-Nolda Sec 123 (UP) Ckt-2 B-N fault	1) 400 KV Gr. Noida _2(UPC)-Noida Sec 148 (UP) Ckt-1 2) 400 KV Noida Sec 148-Noida Sec 123 (UP) Ckt-2
23	GD-1	UTTAR PRADESH	21-May-2022 17:31	21-May-2022 18:30	0:59	0	30	0.000	0.053	45317	57102	As informed by SLDC at the time of incident weather condition was stormy and as per information by concerned it is suspected that cable came in the range of both buses due to which Bus Bar Protection of both the buses operated and all elements at 2200r side tripped.	1) 400/220 kV 315 MVA ICT 1 at Muzaffarnagar(UP) 2) 400/220 kV 500 MVA ICT 4 at Muzaffarnagar(UP) 3) 400/220 kV 315 MVAICT 3 at Muzaffarnagar(UP) 4) 400/220 kV 315 MVAICT 3 at Muzaffarnagar(UP)
24	GI-2	HARYANA	21-May-2022 18:35	21-May-2022 20:35	2:00	0	0	0.000	0.000	43761	54220	As reported, 800 KV HVDC Kurukshetra(PG) Pole-2 & Pole-4 tripped on dc fault. At the same time, 800 KV HVDC Kurukshetra(PG) Pole-1 & Pole-3 tripped on DMR-2 (dedicated metallic return) short circuit protection operation. As per PMU, no fault is observed and fluctuation in voltage is observed. In antecedent condition, 800 KV HVDC Kurukshetra(PG) Bipole 1 & Bipole 2 were carrying 1000MW each.	1) 800 KV HVDC Kurukshetra(PG) Pole-4 2) 800 KV HVDC Kurukshetra(PG) Pole-2 3) 800 KV HVDC Kurukshetra(PG) Pole-03 4) 800 KV HVDC Kurukshetra(PG) Pole-1
25	GI-2	RAJASTHAN	23-May-2022 01:09	23-May-2022 01:50	0:41	0	0	0.000	0.000	41737	56408	As reported, 765 KV Chittogarh-Banaskantha (PG) Ckt-1 tripped on DT received from Banaskantha end on over voltage protection operation at Banaskantha end. At the same time, 765 KV Chittogarh-Banaskantha (PG) Ckt-1 tripped from Banasjantha end only. As per PMU, no fault is observed. In antecedent condition, 765 KV Chittogarh-Banaskantha (PG) Ckt-1 & Ckt-2 were carrying 135MW each.	1)765 KV Chittorgarh-Banaskantha (PG) Ckt-1 2) 765 KV Chittorgarh-Banaskantha (PG) Ckt-2
26	GI-2	UTTAR PRADESH	23-May-2022 05:31	23-May-2022 17:38	12:07	0	0	0.000	0.000	34422	34045	As per PMU Line 400 KV Ataur-Hapur (UP) Ckt-1 tripped and auto reclosed. Even after opening of line fault continued and ICT tripped on REF. Jolff and PRV.	1) 400 KV Ataur-Hapur (UP) Ckt-1 2) 765/400 kV 1500 MVA ICT 2 at Hapur(UP)
27	GI-2	RAJASTHAN	23-May-2022 05:45	23-May-2022 10:59	5:14	0	0	0.000	0.000	36227	41469	Line 765 KV Khetri (PKTSL)-Ihatikara(PG) (PKTSL) Ltk-1 tripped on Y-N fault. 765/400 kV 1500 MVA ICT 3 at Jhatikara(PG) 765/400 kV 1500 MVA ICT 1 at Jhatikara(PG) 80th tripped on 3 phase differential trip .	1) 765/400 kV 1500 MVA ICT 3 at Jhatikara[PG] 2) 765/400 kV 1500 MVA ICT 1 at Jhatikara[PG] 3) 765/400 kV 1500 MVA ICT 4 at Jhatikara[PG] 4) 765 KV Khetri [PKTSL]-Jhatikara[PG] [PKTSL] Ckt-1
28	GI-2	HARYANA	23-May-2022 07:32	23-May-2022 09:32	2:00	0	0	0.000	0.000	32220	34089	Tripped on over voltage protection operated due to sudden rise in voltage caused by load loss during heavy windstorm in the area	1) 400 KV Bahadurgarh-Sonipat (PG) Ckt-1 2) 400 KV Bawana CCGTB(DTL)-Bahadurgarh(PG) (PG) Ckt-1
29	GI-2	NEW DELHI ; HARYANA	23-May-2022 08:01	23-May-2022 11:20	3:19	0	0	0.000	0.000	34448	33990	Tripping of 400 KV Dadri(NT)-Maharanibagh(PG) (PG) Ckt-1 caused high voltage leading to multiple tripping in area due to high voltage.	1) 400 KV Dadri(NT)-Maharanibagh(PG) (PG) Ckt-1 2) 400 KV Bawana CCGTB(DTL)-Bhiwani(PG) (PG) Ckt-1 3) 400 KV Mandola(PG)-Maharanibagh(PG) (DTL) Ckt-1 4) 400 KV Bawana(DV)-Maharanibagh(PG) (DTL) Ckt-1

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SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence	Time and Date of	Duration	Loss of generating t	ration / loss of load he Grid Event	% Loss of generation Antecedent Genera Regional Grid durir	tion/Load in the	Antecedent Generat Regional C	ion/Load in the Grid*	Brief details of the event (pre fault and post fault system conditions) Elements Tripped	, soco
SI NO.	(GI 1or 2/ GD-1 to GD-5)	Affected Area	of Grid Event	Restoration	(HH:MM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	ътна искаю м иле ечен (рге пана ана ром пана хумент социальног)	
30	GI-2	UTTAR PRADESH	23-May-2022 09:45	23-May-2022 13:01	3:16	0	0	0.000	0.000	32620	36039	As reported at 09:45 hrs, 400 KV Badaune(UP)-Rosa(UPC) (OCBTL) Ckt-1 successfully autoreclosed on 8-M fault. Further after 5 secs, 400 KV Badaune(UP)-Rosa(UPC) (OCBTL) Ckt-1 & Ckt-2 and 400 KV Sambhal_PRSTL-8adaune (UP) Ckt-1 & Ckt-2 and 12 tripped on over voltage stage-1 protection operation at Badaune end. As per PANJ at CB Ganj(UP), 8-M phase to earth fault is 040 KV Badaune(UP)-Rosa(UPC) (OCBTL) Ckt-1 & 040 KV Badaune(UP)-Rosa(UPC) (OCBTL) Ckt-1 & 040 KV Sambhal_PRSTL-8adaune (UP) Ckt-2 & 040 KV Sambhal_PRSTL-8adaune (UP) Ck	
31	GI-2	UTTAR PRADESH	23-May-2022 11:26	23-May-2022 13:14	1:48	0	0	0.000	0.000	37061	40735	As reported, 400 KV Panki-Aligarh (IP) Ckt-1, 400 KV Rewa Road-Panki (IP) Ckt-1 and 400 KV Unnao-Panki (IP) Ckt-1 all tripped on 8-M fault. Fault occurred during inclement weather condition. As per PMU, 8-M phase to earth fault is observed which cleared within 80ms. In antecedent condition, 400 KV Panki-Aligarh (IP) Ckt-1 and 400 KV Avera Road-Panki (IP) Ckt-1 and 400 KV Avera Road-Panki (IP) Ckt-1 and 400 KV Unnao-Panki (IP) Ckt-1 were carrying 31MW, 99MW & 187MW respectively.	
32	GI-2	UTTAR PRADESH	23-May-2022 23:36	24-May-2022 01:31	1:55	0	0	0.000	0.000	29175	37217	As reported, at 23:36:01.080hrs, 400kV Ataur-Muradnagar_1 (UP) Ckt:1 tripped on B-N phase to earth fault. Further after approx. 600ms, again 8-M fault occurred and 400/220 kV 500 MVA ICT 1 at Ataur(UP) 8-400 kV Ataur-Muradnagar_1 (UP) Ckt:1 do 100/220 kV 500 MVA ICT 1 at Ataur(UP) 2.100 kV Ataur-Muradnagar_1 (UP) Ckt:1 do 100/220 kV 500 MVA ICT 1 at Ataur(UP) 2.100 kV Ataur-Muradnagar_1 (UP) Ckt:1 do 100/220 kV 500 MVA ICT 1 at Ataur(UP) 2.100 kV Ataur-Muradnagar_1 (UP) Ckt:1 do 100/220 kV 500 MVA ICT 1 at Ataur(UP) 2.100 kV Ataur-Muradnagar_1 (UP) Ckt:1 do 100/220 kV 500 MVA ICT 1 at Ataur(UP) 2.100 kV Ataur-Muradnagar_1 (UP) Ckt:1 do 100/220 kV 500 MVA ICT 1 at Ataur(UP) 2.100 kV 500 MVA ICT 1 at Ataur(
33	GI-2	UTTAR PRADESH	26-May-2022 16:34	27-May-2022 04:43	12:09	0	0	0.000	0.000	45872	55222	As reported, 400 KV Anpara, B(UPUN)-Mau(UP) (UP) Ckt-1 tripped on B-N phase to earth fault, fault distance was 227.9km from Anpara end. At the same time, 400 KV Anpara-Samrath (UP) Ckt-1 also tripped on Y-N phase to earth fault, fault distance was 11 400 KV Anpara-Samrath (UP) Ckt-1 also tripped on Y-N phase to earth fault, fault distance was 217.9km from 1957.7km from Anpara (UP) Ckt-1 also (UP	
34	GI-2	HARYANA	27-May-2022 18:59	27-May-2022 20:58	1:59	0	0	0.000	0.000	43761	54220	As reported, at 18:59hrs, 800 KV HVDC Kurukshetra(PG) Pole-2 & Pole-4 both tripped on DC line fault. As per PMU, no fault observed and fluctuation in voltage is observed. In antecedent condition, 800 KV HVDC Kurukshetra(PG) Pole-1 & Pole-3 were carrying 450MW each.	
35	GI-2	UTTAR PRADESH	28-May-2022 15:44	28-May-2022 17:22	1:38	0	0	0.000	0.000	51511	60581	As reported, 400 KV Singrauli(NT)-Allahabad(PG) (PG) Ckt-1 tripped on B-N phase to earth fault, fault distance was 12.5km from Singrauli end. At the same time, 400 KV Singrauli(NT)-Anpara(UP) (PG) Ckt-1 also tripped on B-N phase to earth fault, fault distance was 12.5km from Singrauli end and 400 KV Anpara-Obra_B (UP) Ckt-1 tripped on B-N phase to phase fault. As per All Ckt and Ckt and Add Ckt and Add Ckt Anpara-Obra_B (UP) Ckt-1 tripped on B-N phase to phase fault. As per All Ckt and Add Ckt	
36	GI-2	RAJASTHAN	28-May-2022 21:31	29-May-2022 00:08	2:37	0	0	0.000	0.000	48030	61432	As reported, 400 KV Sikar[PG]-Ratangarh[RS] (PG) Ckt-2 list inped on R-M fault, fault distance was SR.7km from Sikar end. At the same time, 400 KV Sikar[PG]-Ratangarh[RS] (PG) Ckt-2 also tripped on B-M fault after unsuccessful J/R operation. As per PMU, R-1) 400 KV Sikar[PG]-Ratangarh[RS] (PG) Ckt-2 N fault followed by B-M fault with unsuccessful J/R operation is observed. In antecedent condition, 400 KV Sikar[PG]-Ratangarh[RS] (PG) Ckt-1 Ratangarh[RS] (PG) Ckt-1 Rat	
37	GI-2	HARYANA	28-May-2022 21:52	28-May-2022 22:46	0:54	0	0	0.000	0.000	47896	61384	As reported, at 21:52hrs, 800 KV HVDC Kurukshetra[PG] Pole-1 & Pole-3 both tripped on DC line fault. As per PMU, no fault observed and fluctuation in voltage is observed. In antecedent condition, 800 KV HVDC Kurukshetra[PG] Pole-1 & Pole-3 were carrying 375MW each.	
38	GI-2	UTTAR PRADESH	29-May-2022 12:56	29-May-2022 13:48	0:52	0	0	0.000	0.000	51397	57072	As reported, 400 KV Singrauli(NT)-Anpara(UP) (PG) Ckt-1 tripped on B-N phase to earth fault, fault distance was 12-9km from Singrauli end. At the same time, 400 KV Singrauli(NT)-Allahabad(PG) (PG) Ckt-1 also tripped on B-N phase to earth fault, fault distance was 12-9km from Singrauli end. As per PMU plot of phase voltage & phase current of Singrauli end, at first, 400 KV Singrauli(NT)-Anpara(UP) (PG) Ckt-1 As per PMU plot of phase voltage & phase current of Singrauli end, at first, 400 KV Singrauli(NT)-Anpara(UP) (PG) Ckt-1 or tripping of 400 KV Singrauli(NT)-Allahabad(PG) (PG) Ckt-1 or tripping	
39	GI-2	UTTAR PRADESH	29-May-2022 19:44	29-May-2022 22:59	3:15	0	0	0.000	0.000	43777	54500	As reported, at 15-44hrs, 765 KV Oral-Aligarh (PC) Cit-2 tripped on R-N phase to earth fault. 765/400 kV 1500 MVA ICT 2 at Aligarh(PC) also tripped approx. 30sec. before tripping of 765 KV Oral-Aligarh (PG) Cit-2 on protection malopration. As per PMU, 1) 765 KV Oral-Aligarh (PG) Cit-2 R-N fault with unsuccessful A/R operation is observed. In antecedent condition, 765 KV Oral-Aligarh (PG) Cit-2 and 765/400 kV 1200 MVA ICT 2 at Aligarh(PG) were carrying 517kMV & 324kMV respectively.	
40	GD-1	HARYANA	30-May-2022 16:22	30-May-2022 18:15	1:53	0	100	0.000	0.171	49652	58418	As reported at 16:22hrs, 220 KV Sohna Road (GPTL)-Badshahpur(HV) (HVPNL) CR:-1 & CR:-2 both tripped on R-N & B-N phase to earth fault respectively. As information received from SIDC-HR through verbal communication, fault occurred due to damage of wave trap of both the lines during thunderstorm/windstorm (inclement weather condition). At the same time, 220 KV Sohna Road (GPTL)-Badshahpur(HV) (HVPNL) CR:-1 also tripped on R-N & B-N phase to be a fixed (GPTL)-Badshahpur(HV) (HVPNL) CR:-1 also tripped on R-N & B-N phase to be a fixed (GPTL)-Badshahpur(HV) (HVPNL) CR:-1 also tripped on R-N & B-N phase to be a fixed (GPTL)-Badshahpur(HV) (HVPNL) CR:-1 & CR:-1 also tripped on R-N & B-N phase to be a fixed (GPTL)-Badshahpur(HV) (HVPNL) CR:-1 & CR:-1 also tripped on R-N & B-N phase to be a fixed (GPTL)-Badshahpur(HV) (HVPNL) CR:-1 & CR:-1 & Incl. Tripped on R-N & B-N phase to be a fixed (GPTL)-Badshahpur(HV) (HVPNL) CR:-1 & CR:-1 & Incl. Tripped on R-N & B-N & B-N phase to be a fixed (GPTL)-Badshahpur(HV) (HVPNL) CR:-1 & CR:-1 & Incl. Tripped on R-N & B-N & B-N phase to be a fixed (GPTL)-Badshahpur(HV) (HVPNL) CR:-1 & CR:-1 & Incl. Tripped on R-N & B-N &) Ckt-1 1

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Sl No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid	Time and Date of	Duration (HH:MM)	Loss of gener load during th		% Loss of gene load w.r.t A Generation/ Regional Grid Grid I	Load in the d during the	Antecedent Genera the Regional		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(GI 1or 2/ GD-1 to GD-5)		Event		,	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	WR	01-May-22 16:42	01-May-22 18:44	2:02	243	-	0.004	-	64863	59225	At 16:42 Hrs/01-05-2022, 220 kV Bhuj- Nanavalka (Alfanar) tripped at Nanavalka end without any relay indications and DT received at Bhuj end. As reported by Alfanar, there was no abnormality found during physical inspection. Generation loss of 243 MW occurred at Alfanar Wind Power station due to the loss of evacuation path.	Tripping of 1.220 kV Bhuj- Nanavalka (Alfanar)
2	GD-1	WR	02-May-22 16:17	02-May-22 16:43	0:26	1022		0.014		72028	65345	At 16:17 Hrs/02-05-2022, 400 kV Durg-REL 1 tripped on B-E fault. At the same time, 400 kV Durg-REL 2 tripped at REL end on DEF protection operation. Due to the loss of evacuation path, there was a generation loss of 1022 MW. Due to bad weather conditions, B-E fault recurred three times within a span of 10 seconds in 400 kV Durg-REL 182. During first fault at 16:17:35 Hrs, line A/R sucessfully at both the ends. During second fault at 16:17:40 Hrs, line A/R at REL end but B phase tripped at Durg-ged, not reclosed after dead time and line tripped after 2.5 seconds on PDR operation. During this time at 16:17:43 Hrs, 400 kV Durg-REL 2 tripped on DEF protection operation due to unbalance in B phase current. During the third fault at 16:17:44 Hrs, 400 kV Durg-REL 1 (which is connected through R& Y phases only)tripped due to fault recurrence in reclaim time. As intimated by REL, reclaim time kept in Tie bays at REL end revised from 3 sec to 25 sec. As an interim measure, Zone 3 settings revised to take care of DEF and DEF protection disabled at REL end by REL.	Tripping of 1.400 kV Durg- REL 18.2 2.685 MW REL Units 18.2
3	GI-2	WR	08-May-22 05:28	08-May-22 06:20	0:52			-		66315	59434	At 05:28 Hrs/08-05-2022, 765 kV Pune Bus 1 tripped on LBB protection operation of 706 Main bay . Prior to the event, 755 kV Solapur IR (which was out under Voltage regulation) at Pune end closed at 05:24 Hrs due to spurious closing signal. At the same time, differential protection of 181 operated but the LB bay not tripped and resulted in LBB operation. Tie bay of 765 kV Solapur line tripped on LBB operation of 706 k R bay and DT sent to remote end. Main bay of 765 kV Solapur line not tripped at 05:24 Hrs and the line remained in charging condition from Pune end. As reported by PCCIL, LBB of Main bay of 765 kV Solapur line not operated as the current through Main bay was less than 300 A (LBB pickup value). At 05:28 Hrs, current through 706 Main bay increased above 300 A and resulted in LBB operation and tripping of 765 kV Pune Bus 1. There was no lod loss due to the event.	Tripping of 1.765 kV Pune Bus 1 2.755 kV Pune Solony
4	GD-1	WR	10-May-22 06:05	10-May-22 07:00	0:55	123.5	-	0.002		63397	60134	At 06:05 Hrs/10-05-2022, 220 kV Bhuj – Nanavalka (Alfanar) S/C tripped from Alfanar end only on R phase to E/F and A/R successful at Bhuj end. Due to loss of evacuation path, 123.5 MW generation loss occurred at Nanavalka (Alfanar) substation.	Tripping of 1.220 kV Bhuj- Nanavalka (Alfanar) S/c
5	GD-1	WR	10-May-22 23:35	11-May-22 00:31	0:56	-	300	-	0.005	68449	63164	At 23:02 Hrs/10-05-2022, 220 kV Khaparkeda- Kanhan tripped on B-E fault due to disconnection of jumper from wave trap at Khaparkeda substation. At 23:35 Hrs, 220 kV Khaparkeda- Surya lakshmil tripped on O/C protection operation at Khaparkeda end. At the same time, 132 kV Kanhan- Pardi line tripped at Pardi s/s on O/C protection operation. With these tripping, 220 kV Kanhan station became dark. As reported by MSLDC, there was a load loss of 300 MW.	Tripping of 1.220 kV Kanhan- Khaparkeda 2.220 kV Khaparkeda- Surya lakshmi
6	GI-2	WR	11-May-22 11:29	11-May-22 12:59	1:30	1457	-	0.022		66817	65377	At 11:29 Hrs/11-05-2022, 765 kV Gadarwara- Jabalpur 1 tripped on Y-E fault. At the same time, 800 MW Gadarwara Units 1&2 tripped on Stage II B/U E/F protection operation. As reported by NTPC Gadarwara, Stage II B/U E/F protection disabled and Stage II B/U E/F protection settings revised (INI> 220A with IECS inverse & TMS as 700 ms) after the event. There was a generation loss of 1457 MW due to the event.	Tripping of 1.765 kV Gadarwara-Jabalpur 1 2.800 MW Gadarwara Units 18:2
7	GI-2	WR	12-May-22 19:24	12-May-22 19:59	0:35	646	-	0.009		68398	59735	At 19.24 Hrs/12-05-2022, While synchronising ISP Unit 7, Y phase GCB failed and resulted in operation of LBB protection and tripping of all the elements connected to 400 kV ISP Bus 2. At the same time, ISP Units 1,2&3 (connected with 400 kV ISP Bus 1) tripped on B/U E/F protection operation. There was a generation loss of 646 MW due to the event.	Tripping of 1.400 kV ISP Bus 2 2.400 kV ISP- Indore 2 3.400 kV ISP- Satpura 4.125 MW ISP Units 1,2,3,5,6&8
8	Gi-1	WR	14-May-22 12:34	14-May-22 12:56	0:22	231		0.003	-	66552	61670	At 12:34 Hrs/14.05.5022, 220/33 kV ICT1 &2 tripped from LV side(33 kV) at Alfanar due to blast of Y-phase LA on 33 kV Feeder no. 2. Wind generation at Alfanar became zero due to tripping of both the ICT's. Wind generation loss of 231 MW reported by Alfanar.	Tripping of 1. 220/33 kV Nanavalka ICTs 1&2
9	GI-1	WR	15-May-22 04:32	15-May-22 04:56	0:24	-	250	-	0.004	62903	58432	At 04:32 Hrs/ 15-05-2022, Y phase CT of 220 kV Guna line failed at 400/220 kV Bina(MP) s/s and resulted in tripping of all the elements connected to 220 kV Bina(MP) Bus 1 on Busbar protection operation. Load loss of 250 MW was reported by MP SLDC.	Tripping of 1.400/220 kV Bina(MP) ICTs 1&2 2.220 kV Bina(MP)- Guna 3.220 kV Bina(MP)- Bina(PG) 1&2
10	GD-1	WR	15-May-22 20:14	15-May-22 22:12	1:58	293	-	0.005	-	62918	55826	At 20:14 Hrs/ 15-05-2022, 400 kV Dhariwal- Parli and 400 kV Dhariwal- Bhadrawathi tripped on B-E fault. Due to inclement weather conditions, Both the lines A/R sucessfuly once and tripped during recurrence of fault. There was a generation loss of 293 MW due to the loss of evacuation path.	Tripping of 1.400 kV Dhariwal- Parli 2.400 kV Dhariwal- Bhadrawathi 3.300 MW MW Dhariwal CTU Unit



Sl No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM)		ration / loss of the Grid Event	% Loss of generation/ Generation/ Regional Gri	Load in the d during the	Antecedent General		Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
	(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)		
11	Gi-1	WR	20-May-22 00:49	21-May-22 02:28	1:39	-	348	-	0.006	67214	58647	At 00:49 Hrs/20-05-2022, 220 kV Jejuri Bus 1 tripped on Busbar protection operation due to broken B-ph suspension string at IV vide of 400/220 kV Jejuri ICT-1. After 6 seconds of 220 kV Bus 1 tripping, hanging jumper came into contact with 220 kV Jejuri Bus-2 which led to tripping of all the elements connected to 220 kV Bus 2 on Busbar protection operation. As reported by MSLDC, there was a load loss of 348 MW.	Tripping of 1.220 kV Jejuri Bus 1&2 2.400/220 kV Jejuri ICTs 1,2&3 3.220 kV Jejuri - Phursangi 1&2 4.220 kV Jejuri - Parvati 5.220 kV Jejuri - Parvati 6.220 kV Jejuri - Baramati
12	GI-1	WR	21-May-22 09:35	21-May-22 11:30	1:55	275.5		0.004	-	61784	56253	At 09:35 Hrs/21-05-2022, 220/33 kV Ostro ICTs 18.2 tripped on O/C protection operation which resulted in generation loss of 275 MW at 0.5tro substation.	Tripping of 1.220/33 kV Ostro ICTs 1&2
13	GI-2	WR	21-May-22 18:35	21-May-22 19:54	1:19	-	-	-	-	61281	54200	At 18:35 Hrs/21-05-2022, 800 kV HVDC Champa- Kurukshetra Poles 2&4 tripped on DC line fault and 800 kV HVDC Champa- Kurukshetra Poles 1&3 tripped on DMR Short circuit fault.	Tripping of 1.800 kV HVDC Champa- Kurukshetra Poles 1&2 2.800 kV HVDC Champa- Kurukshetra Poles 3&4
14	GI-2	WR	22-May-22 20:58	22-May-22 21:33	0:35	-	-	-	-	63067	53709	At 20:58 Hrs/22-05-2022, 800 kV HVDC Raigarh- Pugalur Poles 1,2,3&4 tripped on DC line fault.	Tripping of 1.800 kV HVDC Raigarh- Pugalur Poles 1&2 2.800 kV HVDC Raigarh- Pugalur Poles 3&4
15	GD-1	WR	23-May-22 01:09	23-May-22 02:28	1:19	1673	-	0.027	-	62747	56454	At 0.1.09 Hrs/ 23-05-2022, While charging 765 kV Bhuj-Banaskatha line 1 (which tripped at 00.28 Hrs on Over Voltage Stage I protection, 765 kV Bhuj Banaskatha 18.2 tripped on Over voltage stage I protection operation. At the same time, 765 kV Banaskantha- Chittorgarh 18.2 also tripped on Over Voltage protection operation at Banaskantha end. At the same time, 220 kV Bhuj- Ratadiya 18.2 and 220 kV Bhuj- Baranda tripped at RE stations end on Over Voltage protection operation. 400 kV Bhuj- CGPL 18.2 was under planned shutdown since 08:52 Hrs & 09:12 Hrs of 22-05-2022 for over head	Tripping of 1.765 k V Bhuj- Banaskantha 1.82 2.765 k V Banaskantha- Chittorgarh 1.82 3.220 k V Bhuj- Ratadiya 1.82 4.220 k V Bhuj- Baranda 5.220 k V Bhuj- Gadhsisa
16	GD-1	WR	27-May-22 12:23	27-May-22 12:40	0:17	264	-	0.004	-	66563	58721	At 12:23 Hrs/27-05-2022, 400 kV JPL Stage-I BR tripped on Backup impedance protection operation due to oxidation in Voltage terminal connection in TB in Relay panel. Prior to the event, emergency shutdown of 400 kV JPL Stage-I Bus 4 was taken by JPL at 11:04 Hrs for attending hotspot in 89-601 (R-Phase) Bus isolator. Due to the outage of Bus 4, 400 kV JPL Stage III (V cas connected to 400 kV JPL Stage IB us 3 through BR te bay A00 kV JPL Rajour -1 & 2 is under break down due to tower collapse since 02.05.2022. With the tripping of 400 kV JPL Stage IPL Stage III (V, 250 MW JPL Stage I Units 2 & 3 tripped due to load throw off & 115 MW captive load connected at 220 kV level at Punji Patra also tripped. The net export from JPL Stage I Units 2 & 3 tripped due to load throw off & 115 MW at the time of event.	Tripping of 1. 400 kV JPL Stage I- JPL Stage II I/C 2. 400 kV JPL Stage-I BR 3.250 MW JPL Stage I Units 2&3
17	GI-1	WR	31-May-22 14:12	31-May-22 16:16	2:04	-	-	-	-	69984	63036	At 14:12 Hrs/31-05-2022, While charging 220 kV Navsari - Bhestan 2 (which was under planned outage for pre- monsoon maintenance work), 200 kV Navsari Bus 2 and all the elements connected to it tripped on Busbar protection operation. 220 kV Navsari- Bhestan tripped on SOTF indication. There was no load loss due to the event.	Tripping of 1.220 kV Navsari Bus 2 2.400/220 kV Navsari ICTs 1&2 3.220 kV Navsari-Navsari(GETCO) 2 4.220 kV Navsari- Rawas 1 5.220 kV Navsari- Bhestan 1&2



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SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration	Loss of genera load during the	tion / loss of e Grid Event	% Loss of gener load w.r.t A Generation/I Regional Grid du Ever	ntecedent .oad in the uring the Grid	Antecedent Generati Regional C		Brief details of the event (pre fault and post fault system conditions)	Name of Elements (Tripped/Manually opened)
	(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	Karnataka	01-May-22 14:40	01-May-22 15:49	1 hrs 9 mins	0	180	0.00%	0.37%	47063	48483	Complete Outage of 220kV/66kV HSR SS and 220kV/66kV Naganathapura SS of KPTCL: During antecedent conditions, 220kV Naganathapura SS of KPTCL: During antecedent conditions, 220kV Naganathapura SS of KPTCL: During antecedent conditions, 220kV HSR Mydisandra was under outage. Because of this, 1220kV/56kV HSR SS. As per the reports Submitted, the triggering incident was RF in 220kV HSR Naganathapura SS was admitted from 220kV HSR Naganathapura SI was well and the line tripped. At 14x5hrs, 220kV HSR Naganathapura line was hand tripped due to emergency, At 14x5hrs, 220kV HSR Naganathapura line was hand tripped on R-V fault. Tripping of all these lines resulted in complete outage of 220kV/66kV HSR SS and 220kV/66kV Naganathapura SS.	1. 220kV HSR Hoody 2. 220kV HSR Naganathapura 3. 220kV HSR EPIP
2	GD-1	Tamil Nadu	03-May-22 03:05	03-May-22 03:50	45 mins	53	0	0.13%	0.00%	40015	42184	Complete Outage of 230kV/33kV Veeranam SS of TANTRANSCO: During antecedent conditions, there was single bus operation at 230kV/33kV Veeranam SS. As per the reports submitted, the triggering incident was 8-ph CT failure in 230kV Veeranam Kayathar feeder at Veeranam end. Immediately, 230kV 8BP operated and all 230kV feeders tripped. This resulted in loss of evacuation of Wind generation and complete outage of 230kV/33kV Veeranam SS.	1. 230kV Veeranam Kayathar 2. 230kV Veeranam Kodikuruchi Line-1&2 3. 230kV Veeranam Abhisekapatti Line-1&2
3	GD-1	Andhra Pradesh	03-May-22 03:16	03-May-22 04:56	1 hrs 40 mins	2645	809	6.56%	1.91%	40327	42328	Complete Outage of 400kV/220kV kalpaka SS of APTRANSCO, 400kV/220kV Gazuwaka SS of PGCIL SR-2, 400kV HNPCL of M/s Hindhuja, 400kV Simbadri Thermal Station of NTPC, 220kV VS3, 220kV/132kV MRS VS5, 220kV/132kV Parawada SS, 220kV/132kV Pendurry SS, 220kV/132kV Parawada SS, 220kV/132kV Pendurry SS, 220kV/132kV Simbachalam SS of APTRANSCO: As per the report submitted, the triggering incident was BN fault in 400kV Kalpaka Gazuwaka Ine-2. At Kalpaka end, differential operated, 8 plose tripped but not read and hence line got tripped on operation of PDR Tripping at 03.16:40hrs: As per the report submitted, the triggering incident was tracking in R-ph CT of Bus Reactor-2 at 400kV Kalpaka SS which was connected to Bus section-0. Due to non-operation of Bus reador offerential operated, 8 plose tripped but not recommended to Bus section-0. Due to non-operation of Bus reactor differential porented, Bus offerential operated, 8 plose SW bus section-0. Bus of Bus section-0.4 and reverse zone protection of connected to Bus section-0. Due to non-operation of Bus reactor differential porented, 8 plose Vision of SW bus section-0. Due to non-operation of Bus reactor differential porented, 8 plose Vision of SW Bus section-0. Due to non-operation of Bus reactor differential porented, 8 plose Vision of SW Bus section-0. Due to non-operation of Bus reactor differential porented, 8 plose Vision of SW Bus S	2. 4.00kV Simbadri Vernagiri, AP 3. 4.00kV Hindug KV Kota-18.2 4. 4.00kV Vernagiri Simbadri-18.2 5. 4.00(220 kV Kalpakka ICT-1,28.3 6. 4.00kV Maradam Kalpakka-18.2 7. 4.00kV Kalpakka HNPCL-2 8. 4.00kV Simbadri Kalpakka-2,38.4 9. 4.00kV Kalpakka Gajuwaka-18.2 10. 4.00kV Kalpakka Gajuwaka-18.2
4	GD-1	Tamil Nadu	05-May-22 12:45	05-May-22 13:36	51 mins	0	265	0.00%	0.53%	48295	50030	Complete Outage of 230kV/110kV/22kV 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, the triggering incident was failure of 8-phase CT in 230kV Karaikudi, TN Karaikudi, PN Gi line-1 at Karaikudi, TN SS. Bus-1 BBP operated and all the elements connected to Bus-1 got tripped except 230kV Karaikudi, TN Karaihuri-2 which was hand tripped later at 13:14hrs. Subsequently, all 110kV lines tripped on overloading. This resulted in complete outage of 230kV/110kV/22kV Karaikudi, TN SS.	2. 230kV Karaikudi_TN N T Kudi 2 3. 230kV Karaikudi_TN Karaikudi_PG 1&2
5	GD-1	Karnataka	06-May-22 10:30	06-May-22 10:50	20mins	111	0	0.23%	0.00%	48576	48604	Complete Outge of 220kV/33kV KSPDCL 5S_3: As per the reports submitted, the triggering incident was Y-phase CT failure in 33kV feeder-4 of Block-13 of M/S Aadya and the feeder tripped on EFR and OCR protection. At the same time, 220kV/33kV PTR-182 got tripped on EFR. This resulted in the complete outage of 220kV/33kV KSPDCL SS-1.	I. 33kV Feeder 1,2,3 & 5 at KSPDCL SS. II. 220kV/33kV PTR-1&2
6	GD-1	Karnataka	07-May-22 12:35	07-May-22 12:45	10 mins	0	23	0.00%	0.05%	48459	48119	Complete Outage of 220kV/66kV Tallak SS, 220kV/66kV Hiriyur_KAR SS , and 220kV/66kV Chitradurgs SS of KPTCL: As per the reports submitted, all the connected elements of 220kV Chitradurgs were hand tripped due to observation of arc in SS. This led to trippping of 220kV Hiriyur_KAR Madhugiri line and 220kV Hiriyur_PG Hiriyur_KAR line on overloading. Due to tripping of these lines, there was complete outage of 220kV/66kV Tallak SS, 220kV/66kV Hiriyur_KAR SS, and 220kV/66kV Chitradurgs SS of KPTCL.	2. 220kV Chitradurga Guttur
7	GD-1	Karnataka	07-May-22 22:41	07-May-22 23:01	20 mins	0	96	0.00%	0.22%	41012	44237	Complete Outage of 220kV/110kV Shimoga SS and Partial Loss of Supply to 220kV/110kV Kibbanahalli(KB Cross) SS of KPTCL on 07-05-2022 at 22-41hr. During antecedent conditions due to the non-availability of Bus Sectionalisers, 220kV Shimoga SS was under single bus operation and due to 220kV spilt Bus operation at 220kV John Washanahalli(KB Cross) SS (to limit loading of 400kV/220kV Nelamangala ICTs), 220kV Bus-1 was radially feel from 220kV/110kV Xibmoga SS. As per the information received, the triggering indicent was a BN fault in 220kV Shimoga hillen-3 at a distance of 6.1km from Shimoga end. The fault was sensed in 2one-1 at both ends. At the same time, due to operation of dead zone protection, all the elements connected to 220kV Shimoga SS got tripped. This resulted in a complete outage of 220kV/110kV Shimoga SS and partial loss of supply to 220kV/110kV Kibbanahalli(kB Cross) SS.	3. 220kV Shimoga Gerespa 4. 220kV Shimoga Chikmangalore 5. 220kV Shimoga Hassan 6. 220kV Shimoga KB-Halli
8	GD-1	Karnataka	08-May-22 18:23	08-May-22 19:59	1 hrs 36 mins	66	0	0.19%	0.00%	34573	36027	Complete Outage of 220kV/33kV Ostro Kannada Wind Plant: As per the report submitted, the triggering incident was R-N fault in 220kV Hirryur Ostro line and the line tripped at both ends. 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
9	GD-1	Tamil Nadu	09-May-22 23:26	10-May-22 02:53	3 hrs 27 mins	0	0	0.00%	0.00%	43157	40948	Complete Outage of 230kV Mywadi Switching Station of TANTRANSCO and Multiple Trippings at 400kV/230kV Udumalpet_PG of PGCLSR-1: During antecedent conditions, there was single bus operation in 230kV Mywadi Switching Station. As per the reports submitted, triggering incident was R-phase CT fallure in 230kV Mywadi Surukkathi line at Mywadi Ss. Immediateby, 88P operated and all the elements connected to 230kV Mywadi Ss. got tripped. Since 230kV Mywadi Ss. pdf. CTL-2, 8 a sec connected to 230kV Mywadi Ss. pdf. CTL-2, 8 a sec connected to 200kV Mywadi Ss. pdf. CTL-2, 8 a sec connected to 200kV Mywadi Ss. pdf. CTL-2, 8 a sec connected to 200kV Mywadi Ss. pdf. pdf. pdf. pdf. pdf. pdf. pdf. pdf	3. 230kV Myvadi Radamparai-1&2 4. 230kV Myvadi Ponnapuram-1,2&3
10	GD-1	Andhra Pradesh	10-May-22 07:40	10-May-22 12:15	4 hrs 35 mins	0	0	0.00%	0.00%	40730	39539	Complete outage of 400kV SEPL, 400kV MEPL and Multiple Trippings at 400kV Nellore Pooling Station : As per the reports submitted, the triggering incident was 8-N fault in 400kV NPS SEIL_P1 line-1 at 07-x0hrs and the line tripped. At 07-x9hrs, J. 400kV NPS Thiruvalam Line-1 tripped on R-N fault, ii. 400kV NPS Thiruvalam Line-2 tripped on R-N fault, iii. 400kV NPS MEPL line tripped on R-N fault, iii. 400kV NPS SEPL line Tripped on R-N fault, iii. 400kV NPS MEPL line tripped on R-N fault, iii. 400kV NPS MEPL line tripped on R-N fault. The same time, R-SSW4006V NPS II-Tripped on CITC ONLY NPS MEPL line and 400kV MEPL SEPL lines resulted in complete outage of 400kV SEPL and 400kV MEPL.	2. 400kV NPS MEPL line 3. 400kV SEPL MEPL line 4. 400kV NPS SEPL line



	Details of Orior Events during the Month of May 2022 in Gouthern Region										· · · · · · · · · · · · · · · · · · ·	2000		
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	Time and Date of Restoration	Duration	Loss of generat load during the		% Loss of gener load w.r.t Ar Generation/L Regional Grid du Ever	ntecedent oad in the iring the Grid	Antecedent Generatic Regional G		Brief details of the event (pre fault and post fault system conditions)	Name of Elements (Tripped/Manually opened)	
	(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)			
11	GD-1	Karnataka	13-May-22 07:24	13-May-22 07:47	23 mins	892	175	2.30%	0.46%	38731	38125	Complete Outage of 400kV/220kV Talaguppa SS, 220kV/110kV Shimapa SS, 220kV/110kV Shiralskoppa SS, 56 KFTCL and Partial Loss of Supply to 220kV/110kV Kibbanahallal(K Cross) SS of KFTCL buring antecedent conditions due to the non-availability of Bus Sectionalizers, 220kV Shimopa SS was under single bus operation and due to 220kV sight Bus operation at 220kV/110kV Shimopa SS so and due to outage of many 220kV Shimopa connected lines and 400kV/120kV Insumagala ICTs), 220kV Shimopa Ss and due to outage of many 220kV Shimopa connected lines and 400kV/120kV Insumagala ICTs), 220kV Shimopa Ss and four to outage of many 220kV Shimopa connected lines and 400kV/120kV Shimopa Starawathy line-3 at Shimopa end. Dead zone protection operated resulting in the tripping of all the elements connected to 220kV Shimopa SS (delayed operation of XDK was observed). This resulted in a complete outage of 220kV/120kV Shimopa SS and partial loss of supply to 220kV/120kV Kibbanahalli(KB Cross) SS. The total load loss reported during this event was 96kW the tripping of 400kV 128kW Insufavo Sk Cares ShiMV, After the tripping of Shimopa lines, Shimarawathy generation on cover frequency stage-L protection. This resulted in complete outage of 400kV/220kV Talaguppa SS, 220kV/110kV Shimopa SS, 220kV/110kV Shimopa SS, 220kV/110kV Shimopa SS, 220kV/110kV Shimopa SS, 20kV/110kV Shimapalli(KB Cross) SS of KPTCL and Partial Loss of Supply to 220kV/110kV Kibbanahalli(KB Cross) SS of KPTCL.	2. 200kV Shimoga Sharavathy line-3 2. 400kV Hassan Talaguppa line 3. Unit-1;2,3,4,5,6,7,8 & 10 at Sharavathy	
12	GD-1	Karnataka	16-May-22 17:38	16-May-22 18:01	23 mins	0	80	0.00%	0.20%	36769	40158	Complete Outage of 220kV/110kV Alipur SS of KPTCL: As per the reports submitted, the triggering incident was tower collapse near Alipur due to heavy wind and rain. This caused 8-N fault in 220kV 8TPS Lingapura and 220kV Alipur Regulpadu line and the lines tripped. At the same time, 220kV 8TPS Alipur line got tripped. Tripping of both connected lines resulted in the complete outage of of 220kV/110kV Alipur SS.		
13	GD-1	Karnataka	20-May-22 11:05	20-May-22 11:41	36 mins	81	0	0.18%	0.00%	45815	41495	Complete Outage of 220kV/33kV KSPDCL SS-1: As per the reports submitted, triggering incident was RYB fault in 33kV feeder-3 of Block-2 of M/s Aadya and the feeder tripped on EFR and OCR protection. At the same time, 220kV/33kV PTR-18.2 got tripped on EFR. This resulted in the complete outage of 220kV/33kV KSPDCL SS-1.	1. 33kV Feeder 1,2,3,4 & 5 at KSPDCL SS. 2. 220kV/33kV PTR-1&2	
14	GD-1	Karnataka	21-May-22 11:21	21-May-22 11:45	24 mins	1000	368	2.25%	0.93%	44450	39757	Multiple Trippings at 400kV/220kV RTPS Station of KPCL and Complete Outage of 220kV/110kV Sedam SS, 220kV/110kV Humnabad SS, 220kV/110kV Humnabad SS, 220kV/110kV Humnabad SS, 220kV/110kV Humnabad SS, 220kV/110kV Mallat SS and 220kV/110kV Shahpur SS, 220kV/110kV Shahpur SS, 220kV/110kV Mallat SS and 220kV/110kV Jobs Lingusugur Line Table, 220kV Magewal GS, 220kV Humnabad SS, 220kV/110kV Humnabad SS, 220kV/110kV Halburga SS, 220kV/110kV Shahpur SS, 220kV/110kV Shahpur SS, 220kV/110kV Humnabad SS, 220kV/110kV Halburga SS, 220kV/110kV Shahpur SS, 220kV/110kV Mallat SS and 220kV/110kV Shahpur SS, 220kV/110kV Shahpur SS, 220kV/110kV Mallat SS and 220kV/110kV Mallat SS and 220kV/110kV Mallat SS and 220kV/110kV Lingusugur SS.	2. 400kV/220kV RTPS ICT-3 3. 220kV Humnabad Sedam Line-1&2 4. 220kV Lingasugur Sindhanoor	
15	GI-2	Andhra Pradesh	01-May-22 00:18	01-May-22 05:08	4 hrs 50 mins	0	0	0.00%	0.00%	42220	45729	Tripping of 400kV Bus-1 of 400kV/220kV Kalpakka SS of APTRANSCO: As per the reports submitted, 400kV Bus-1 Y-phase differential protection operated at Kalpakka SS due to heavy tracking of insulators. Immediately, BBP operated and all the elements connected to Bus-1 got tripped.	1. 400kV Simhadri Kalpakka-3 2. 400kV Maradam Kalpakka-1 3. 400kV/220kV Kalpakka ICT-2 4. 400kV Kalpakka HNPCL-1	
16	GI-2	Andhra Pradesh	01-May-22 19:24	02-May-22 00:50	5 hrs 26 mins	0	0	0.00%	0.00%	38654	40547	Tripping of 400kV Bus-1 of 400kV/220kV Kalpakka SS of APTRANSCO: As per the reports submitted, 400kV Bus-1 B-phase differential protection operated at Kalpakka SS due to heavy tracking of insulators. Immediately, BBP operated and all the elements connected to Bus-1 got tripped.	4. 400kV Kalpakka HNPCL-1	
17	GI-1	Andhra Pradesh	06-May-22 18:27	06-May-22 19:32	1 hrs 5 mins	410	0	0.14%	0.00%	37343	40904	Tripping of 220kV Bus-2 of VTPS station of APGENCO: As per the report submitted, the triggering incident was R-N fault in 220kV VTPS Rentachintals line which was connected to 220kV Bus-2 at VTPS. At VTPS end, fault was sensed in Zone-1. But R-pole of CB failed to open leading to LBB operation. This resulted in tripping of all elements connected to 220kV Bus-2 at VTPS.	1. 220kV VTPS Tallapalli Line-4 2. 220kV VTPS Nonna 3. 220kV VTPS Kondapalli-2 4. 220kV VTPS No Pet 5. 220kV VTPS Talkonda-2 7. 220kV VTPS Talkonda-2 7. 270kV VTPS Talkonda-2	
18	GI-2	Tamil Nadu	10-May-22 06:36	10-May-22 10:12	3 hrs 36 mins	0	0	0.00%	0.00%	40793	38903	Tripping of 400kV Bus-1 and Multiple trippings at 400kV NCTPS Stage II of TANGEDCC: As per the reports submitted, triggering incident was B-N fault in 400kV NCTPS SVCTM Line-1 at 06:39hrs. At both ends, A/R operated and line tripped on persistent fault. At 06:37hrs, Y-N fault was sensed in 400kV Alamathy NCTPS ST2 line-1. At NCTPS end, MCB failed to open which led to LBB operation and tripping of all the MCBs connected to 400kV Bus-1. At 06:43hrs, 400kV NCTPS Vallur Line-1 and Line-2 tripped on B-N fault and Y-N fault respectively. At 09:20hrs, 400 kV NCTPS -SVCTM Line-2 tripped on Y-N fault.	1. 400 KV NCIPS - SVCIIVI-I & 2	
19	GI-2	Karnataka	18-May-22 10:13	18-May-22 10:39	26 mins	0	0	0.00%	0.00%	43174	42408	Tripping of 400kV Bus-2 of 400kV Hinduja SS: 400kV Hinduja has bus configuration of One and half breaker scheme. As per the reports sumitted, triggering incident was B-phase bus side isolator failure of 400kV Hinduja Kalpakka line-2 at Hinduja end. Immediately, Bus-2 8BP operated and all the Main CBs connected to Bus-2 got tripped. Since 400kV Hinduja Kalpakka Line-1 was under LC and was in the same dia with 400kV Hinduja kalpakka Line-2, 400kV Hinduja Kalpakka	1. 400kV Hinduja Kalpakka Line-2	
20	GI-2	Andhra Pradesh	21-May-22 12:43	21-May-22 13:21	38 mins	0	0	0.00%	0.00%	44990	40644	Tripping of 400kV Bus-1 of 400kV/220kV Kaipakka SS of APTRANSCO: As per the reports submitted, the triggering incident was B-phase isolator failure of 400kV Kaipakka HHPCL Line-1 which is connected to 400kV Bus Section-1 at Kaipakka SS. Immediately, Bus Section-1 BBP operated and all the elements connected to Bus-1 got tripped.	400kV Simhadri Kalpakka-3 400kV Maradam Kalpakka-1 3. 400kV/220kV Kalpakka LT-2 4. 400kV Kalpakka HNPCL-1	

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15	W	1	

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SU		Category of Grid Event	Affected Area	Time and Date of occurrence of Grid Event	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	occurrence of Grid	Time and Date of Restoration	Duration	Loss of genera load during th	o Crid Event	% Loss of gener load w.r.t A Generation/I Regional Grid di Ever	ntecedent Load in the uring the Grid	Antecedent Generati		Brief details of the event (pre fault and post fault system conditions) (Tripped/Manually opened)	
		(GI 1or 2/ D-1 to GD-5)				Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)																																						
2	1	GI-2	Tamil Nadu	22-May-22 20:58	22-May-22 21:33	35 mins	0	0	0.00%	0.00%	38101	38737	Tripping of HVDC Pugalur Raigarh Pole-1,2,3&4 of PGCIL SR-2: As per the reports submitted, triggering incident was Line fault on DC Line-1&2 of Raigarh Pugalur Poles. The system attempted 4 unsuccessful restarts and tripped all 4 poles due to persistent fault.																																				
2	2	GI-1	Andhra Pradesh	27-May-22 19:44	27-May-22 21:54	2 hrs 10 mins	88	0	0.21%	0.00%	41406	44711	Tripping of 220kV Bus-2 of 220kV Lower Sileru PH of APGENCO: As per the reports submitted, while deparalling the Unit-1 which is connected to 220kV Bus-2 R-phase breaker failed to open. This led to LBB operation and all the elements connected to 220kV Bus-2 tripped. 3. Unit-2 at 220kV cover Sileru-2																																				



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 gene of load duri Ev	ing the Grid	of load w.r Generation Regional G	eneration / loss of Antecedent n/Load in the rid during the I Event	Antecedent Gener the Region:		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	Garhwa	01-May-22 15:53	01-May-22 17:27	01:34	0	30	0.00%	0.15%	24857	20055	At 15:53 Hrs, 220 kV Daltonganj-Garhwa D/c tripped. This led to total power failure at 220 kV Garhwa S/s. 30 MW load loss occurred in Garhwa and Meral area	220 kV Daltonganj-Garhwa(New) D/c
2	GD-1	Chatra	01-May-22 17:40	01-May-22 20:28	02:48	0	13	0.00%	0.07%	24414	18094	At 17:40 Hrs 220 kV Daltonganj-Chatra D/c tripped from Daltonganj end only due to fault in downstream. This led to total power failure at Chatra. Total 13 MW load loss occurred.	220 kV Daltonganj-Chatra D/c
3	GD-1	Bokaro A	12-May-22 13:56	12-May-22 14:26	00:30	450	0	1.80%	0.00%	24983	21285	At 13:56 Hrs, 400 kV Bus-1&2 at Bokaro A S/s became dead. As reported, during testing of main bay of 400 kV Bokaro A-Koderma-2 at Bokaro A, LBB maloperated and both buses tripped. 450 MW generation loss occurred as UH1 of Bokaro A tripped due to loss of evacuation path.	
4	GD-1	Patratu	14-May-22 16:04	14-May-22 17:40	01:36	0	60	0.00%	0.27%	27454	22062	At 16:04 Hrs, 400 kV New Ranchi-Patratu D/c tripped due to B_N fault. This led to total power failure at 400/220 kV Patratu S/s. Load loss of around 60 MW occurred in Kanke and Burmu area which were radially fed from Patratu.	400 kV New Ranchi-Patratu D/c
5	GD-1	Barauni	19-May-22 17:25	19-May-22 19:23	01:58	260	34	1.02%	0.18%	25542	18407	At 17:25 Hrs, 220 kV Barauni-Begusarai D/c tripped due to B. N fault. Units at Barauni got in Islanded mode with Mokama load which was fed radially through 220 kV Barauni-Mokama D/c. The Island didn't survive. Total 260 MW generation loss occurred at Barauni and 34 MW load loss occurred in Mokama area.	220 kV Barauni-Begusarai D/c 220 kV Begusarai-Samastipur U#8 and U#9 at Barauni
6	GD-1	Ramchandrapur	21-May-22 01:33	21-May-22 02:32	00:59	0	80	0.00%	0.36%	26647	22384	At 01:33 Hrs, R_ph and Y_ph bus side jumper of 220 kV Joda-Ramchandrapur-1 snapped at Ramchandrapur which created a bus fault. This led to tripping of all elements at Ramchanrapur. Total 80 MW load loss occurred in Adityapur, Jadugoda and Golmuri area.	
7	GD-1	Garhwa	23-May-22 19:59	23-May-22 21:20	01:21	0	30	0.00%	0.14%	26847	21519	At 19:59 Hrs, 220 kV Daltonganj-Garhwa (New) D/c tripped on R_N fault, leading to total power failure at 220/132 kV Garhwa S/s. Around 30 MW load loss occurred in Garhwa and Meral area.	220 kV Daltonganj-Garhwa (New) D/c
8	GD-1	Lapanga	27-May-22 15:56	27-May-22 16:10	00:14	160	58 MW (Net)	0.63%	0.26%	25529	21949	At 15:56 Hrs, cross bus of 220 kV Katapalli-Lapanga-1 snapped at Lapanga end and fell on both 220 kV Bus. This led to tripping of both bus as all elements tripped in either Zone-4 or Zone-2 from remote ends. 220 kV Budhipadar-Vedanta D/c and 220 kV Budhipadar-Vedantsha Steel D/c Bud tripped sensing the same fault and blackout occurred in Vedanta and Bhushan Steel CPP.UH2 of IBTPS also tripped and 160 MW generation loss occurred. 44 MW net load loss (820 MW) generation and 864 MW load loss) occurred at Vedanta and 14 MW net load loss occurred at Bhushan Steel.	220 kV Katapalli-Lapanga-1 400/220 kV ICT-1 & 2 at Lapanga 220 kV Budhipadar-Vedanta D/c
9	GD-1	Rourkela	30-May-22 11:09	30-May-22 11:51	00:42	0	0	0.00%	0.00%	26022	22835	ISTIP-Hourkeia-1 at Rourkeia end. Teed protection operated, nowever, B_pn breaker of Taicner-1 at Rourkeia was stuck, thereafter LBB operated however LBB didn't function properly due to which all less stripped from remote ends in Zone-2. No load loss or repression less occurred.	400 kV Rourkela-Chaibasa D/c

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	Category of Grid Event		Time and Date of		Duration (HH:MM:SS)		ration / loss of load he Grid Event		6 Loss of generation / loss of load w.r.t Antec		neration/Load in the		20500
SI No.	(GI 1or 2/	Affected Area	occurrence of Grid Event	Time and Date of Restoration		Generation	Load Loss (MW)	% Generation	% Load Loss (MW)	Antecedent Generation	Antecedent Load	Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
1	GD-1 to GD-5)	Tenga, Khupi areas & Dikshi HEP of Arunachal Pradesh Pwer System	04.05.22 13:03	04.05.22 13:22	0:19:00	Loss(MW)	20	Loss(MW)	1.11%	(MW) 2372	(MW)	Tenga, Khupi areas & Dikshi HEP of Arunachal Pradesh Pwer System were connected with the rest of NER Grid through 132 kV Balipara-Tenga line. At 13.03 Hrs on 04.05.22, 132 kV Balipara-Tenga line tripped. Due to tripping of this element, Tenga, Khupi areas & Dikshi HEP of Arunachal Pradesh Pwer System were separated from rest of NER Grid and subsequently collapsed due to load generation mismatch in these areas. 132 kV Balipara-Tenga line was declared faulty at 13.22 kn s on 04.05.22. Power was extended to Tenga, Khupi areas & Dikshi HEP of Arunachal Pradesh Pwer System by charging 132 kV Balipara-Tenga line at 09.28 kn s on 05.05.52	132 kV Balipara- Tenga line
2	GD-I	Karong area of Manipur Power System	06.05.22 12:46	06.05.22 13:15	0:29:00	0	16	0.00%	0.75%	2172	2128	Karong area of Manipur Power System was connected with the rest of NER Grid through 132 kV imphal (MSPCL) - Karong & 132 kV Karong - Kohima lines. At 12.46 hrs on 06.05.22, 132 kV imphal (MSPCL) - 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 this area. Power was extended to Karong area of Manipur Power System by charging 132 kV imphal (MSPCL) - Karong line at 13:15 hrs on 06.05.22	132 kV Imphal (MSPCL) - Karong & 132 kV Karong - Kohima lines
3	GD-I	Lungmual and Melrist (P&ED Mitoram) areas of Mitoram Power System	06.05.22 13:17	06.05.22 13:25	0:08:00	0	33	0.00%	1.55%	2158	2128	Lungmual and Mefriat (P&ED Mizoram) areas of Mizoram Power System were connected with the rest of NER Grid through 121 kV Aizawi - Luangmual line. 132 kV Lunglei - Mefriat line was under shutdown to avoid overloading of 132 kV Aizawi-Lungmual line & 132 kV Aizawi - Kumarghat line was under SSD for clearing infringement between LOC no. 154-135. At 13:17 hrs on 66.05.22, 132 kV Aizawi-Lungmual line tripped. Due to tripping of this element, Lungmual and Mefriat (P&ED Mizoram) areas of Mizoram Power System were separated from rest of NER Grid and subsequently collapsed due to no source available in these areas. Power was extended to Lungmual and Mefriat (P&ED Mizoram) areas of Mizoram Power System by charging 132 kV Aizawi-Lungmual line at 13:25 hrs on 06:05:22	132 kV Alzawi - Luangmual line
4	GD-I	220 kV Rangla area, 123 kV Rangla, Naibari, Spajhar and part foad of Bornager areas of Assam Power System	06.05.22 22:55	06.05.22 23:41	0:46:00	0	191	0.00%	7.60%	2809	2513	220 kV Rangia area, 132 kV Rangia, Nalbari, Sipajhar and part load of Bornagar areas of Assam Power System we're connected with the rest of NIR Gridt through 220 kV BTPS - Rangia 1, 220 kV BTPS - Sangia 2, 81.32 kV Motorga (Butush) - Rangia lines 123 kV Nalbaria parpata line was under shutdown to avoid overloading of 132 kV Shanabii Depota line & 132 kV Kamalpur-Rangia D/C lines were under shutdown to avoid overloading of 132 kV Sonabii Depota line & 132 kV Kamalpur-Rangia D/C lines were under shutdown to avoid overloading of of 175 at 220 kV Bragia S/S. At 22:55 hrs on 06.05.22, 220 kV BTPS - Rangia 1, 220 kV BTPS - Rangia 2 & 132 kV Motorga (Bhutan) - Rangia lines tripped. Due to tripping of these delments, 220 kV Rangia area, 132 kV Rangia, Nalbari, Sipajhar and part load of Bornagar areas of Assam Power System were separated from rest of NRR Grid and subsequently collapsed due to no source available in these areas. Power was extended to 220 kV Rangia area, 131 kV Rangia, Nalbari, Sipajhar and part load of Bornagar areas of Assam Power System by charging 220 kV BTPS - Rangia 2 line at 2341 kT no 0.665.22	220 kV BTPS - Rangia 1, 220 kV BTPS - Rangia 2 & 132 kV Motonga (Bhutan) - Rangia lines
5	GD-I	Dhaligaon area of Assam Power System	16.05.22 01:24	16.05.22 01:41	0:17:00	0	24	0.00%	1.64%	2856	1467	Ohaligaon area of Assam Power System was connected with the rest of NER Grid through 132 kV Bongalgaon - Dhaligaon 1 & 2 lines. At 01:24 hrs on 16.05.22, 132 kV Bongalgaon - Dhaligaon 1 & 2 lines tripped. Due to tripping of these elements, Dhaligaon area of Assam Power System was separated from rest of NER Grid and subsequently collapsed due to no source available in this area. Power supply was extended to Dhaligaon area of Assam Power System by charging 132 kV Bongalgaon - Dhaligaon 1 line at 01:41 hrs on 16.05.22.	132 kV Bongalgaon - Dhallgaon 1 & 2 lines
6	GD-I	Myndtu Leshka Generating Station of Meghalaya Power System	18.05.22 06:21	18.05.22 06:32	0:11	118	0	4%	0%	3310	1552	Myndru Leihka Generating Station of Meghalaya Power System was connected with the rest of NER Grid through 132 kV Myndru Leihka - Khleihriat 1 & 2 lines. At 06:21 hrs on 16.05.2022, 132 kV Myndru Leihka - Khleihriat 1 & 2 lines tripped. Due to tripping of these elements, Myndru Leihka Generating Station of Meghalaya Power System was separated from rest of NER Grid and subsequently collapsed due to loss of exacuation path in this area. Power supply was extended to Myndru Leihka Generating Station of Meghalaya Power System by charging 132 kV Myndru Leihka - Khleihriat 1 & 2 lines at 06:32 hrs on 18.05.22	132 kV Myntdu Leshka - Khleihriat 1 & 2 lines
7	GD-I	Along, Pasighat, Roing, Teru and Namsal areas of Arunachal Pradesh Power System	19.05.2022 14:50	19.05.2022 15:50	1:00	0	17	0%	1%	2938	1956	Along, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Along - Daporijo line. Al 1450 hrs on 19.05.2022, 132 kV Along - Daporijo 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 Along - Daporijo line was declared faulty at 15:50 hrs on 19.05.2022. Power supply was extended to Along, Pasighat, Roing, Tezu and Namsai areas of Arunachal Pradesh Power System by charging 132 kV Along - Daporijo line at 12:33 hrs on 20.05.22	132 kv Along - Daporijo line



	Category of Grid Event		Time and Date of			Loss of generation / loss of loa during the Grid Event		% Loss of generation / loss of load w.r.t Antecedent Generation/Load in the			neration/Load in the ional Grid		2080CO
SI No	(GI 1or 2/ GD-1 to GD-5)	Affected Area	occurrence of Grid Event	Time and Date of Restoration	Duration (HH:MM:SS)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)	Brief details of the event (pre fault and post fault system conditions)	Elements Tripped
8	GD-I	Myndtu Leshka Generating Station of Meghalaya Power System	19.05.2022 03:55	19.05.2022 04:06	0:11:00	119	0	4.39%	0.00%	2712	1318	Myndru Leshka Generating Station of Meghalaya Power System was connected with the rest of NER Grid through 132 kV Khleiriat[ME] - Leshka 1 line tripped at 0.5:5 hrs on 19.05.22. At 03:55 hrs on 19.05.2022, 132 kV Khleiriat[ME] - Leshka 2 line tripped. Due to tripping of this element, Myndru Leshka Generating Station of Meghalaya Power System was separated from rest of NER Grid and subsequently collapsed due to loss of exacutation path in this area. Power supply was extended to Myndru Leshka Generating Station of Meghalaya Power System by charging 132 kV kihleiriat[ME] - Leshka 2 line at 04:06 hrs on 19.05.22.	132 kV Khleiriat(ME) - Leshka 2 line
9	GD4	220 KV Rangia area, 132 kV Rangia, Nalbari, Spajhar and put load of Bornagar areas of Assam Power System	24-May-22 12:32	24-May-22 12:40	0:08:00	0	112	0.00%	4.83%	2381	2319	20 LV Rangia area, 13.1 VF Rangia, Nalbari, Spajhar and part toad of Bornagar areas of Assam Power System were connected with the rest of NER Grid through 220 kV 8 FPS - Rangia 1, 220 kV 8 FPS - Rangia 2 was under shutdown due to corridor cleaming, 13.1 kV Nalbari-Sharpeta line was under shutdown to avoid overloading of 13.2 kV Sangia Person (Prise, 13.2 kV Aspilar) area was under shutdown to avoid overloading of 13.2 kV Sangia Person (Prise, 13.2 kV Kangia) kv kine (Prise,	220 KV BTP5 - Rangia 1 line
10	GD-I	Tenga, Khupi areas & Dikshi HEP of Arunachal Pradesh Pwer System	28.05.22 22:29	28.05.22 22:53	0:24:00	10	14	0.34%	0.51%	2977	2770	Tenga, Khupi areas & Dikshi HEP of Arunachal Pradesh Power System were connected with the rest of NER Grid through 132 kV Ballpara-Tenga line. At 22:29 Hrs. on 28.05.22, 132 kV Ballpara-Tenga line tripped. Due to tripping of this element, Tenga, Khupi areas & Dikshi HEP of Arunachal Pradesh Power System were separated from rest of NER Grid as ubsequently collapsed due to load generation mismatch in these areas. 31 kV Ballpara-Tenga line was declared faulty at 23:53 hrs. on 28.05.22. Power was extended to Tenga, Khupi areas & Dikshi HEP of Arunachal Pradesh Power System by charging 132 kV Ballpara-Tenga line at 13:12 hrs. on 30.05.22	132 kV Balipara-Tenga line
11	GI-2	Assam	04-May-22 08:48	04-May-22 10:30	1:42:00	40	0	2.20%	0.00%	1815	1694	AGBPP - Unit 2 tripped at 0848 hrs on 04-05-22 due to high vibrations of y-axis bearing of turbine. Revision done from Block No.43 on 04-03-22.	AGBPP - Unit 2
12	GI-2	Assam	06-May-22 16:01	06-May-22 17:30	1:29:00	32	0	1.57%	0.00%	2039	2292	AGBPP - Unit 2 tripped at 16:01 hrs on 06-05-22 due to fire trip alarm operated. Revision done from Block No. 71 on 06-05-22.	AGBPP - Unit 2
13	GI-2	Assam	09-May-22 13:04	09-May-22 15:00	1:56	26	0	1%	0%	2065	2384	AGBPP - Unit 8 tripped at 16:01 hrs on 09-05-22 due to tripping of cooling fan, winding temp high alarm. Revision done from Block No. 61 on 09-05-22.	AGBPP - Unit 8
14	GI-2	Assam	12-May-22 23:19	13-May-22 01:00	1:41	25	0	1%	0%	2205	2385	AGBPP - Unit 6 tripped at 23:19 hrs on 12-05-22 due to exhaust temperature spread high. Revision done from Block No. 05 on 13-05-22.	AGBPP - Unit 6
15	GI-2	Assam	13-May-22 11:39	13-May-22 13:00	1:21	227.5	0	15%	0%	1472	1874	BGTPP - Unit 3 tripped at 11:39 hrs on 13-05-22 due to flame failure. Revision done from Block No. 53 on 13-05-22.	BGTPP - Unit 3
16	GI-2	Tripura	18-May-22 20:29	18-May-22 22:00	1:31	216	0	9%	0%	2509	2406	Palatana GT II tripped at 20:29 hrs on 18:05-22 due to low drum level and Palatana ST II tripped due to tripping of Palatana GT II. Revision done from Block No. 89 on 18:05-22.	Palatana GT II & ST II
17	GI-2	Arunachal Pradesh	21-May-22 09:44	21-May-22 11:30	1:46	151	0	6%	0%	2417	1727	Kameng Unit 1 tripped at 09:44 hrs on 21-05-22 due to stator earth fault. Revision done from Block No. 47 on 21-05-22.	Kameng Unit I
18	GI-2	Assam	31-May-22 08:56	31-May-22 10:45	1:49	40	0	2%	0%	2272	2285	AGBPP Unit 1 tripped at 08:56 hrs on 31:05-22 due to power failure at emergency bus (U/V relay optd.) and AGBPP Unit 7 tripped due to non-availability of GTG-1 and 2. Revision done from Block No. 43 on 31:05-22.	AGBPP Unit 1& AGBPP Unit 7
15	GI-2	Assam	31-May-22 13:48	31-May-22 15:30	1:42	227.5	0	9%	0%	2477	2468	BgTPP Unit 3 tripped at 13:48 hrs on 31:05-22 due to tripping of boiler due to loss of PA header. Revision done from Block No. 63 on 31:05-22.	BgTPP Unit 3