		Details of Grid Ev							ails of (	Grid Eve	nts du	ring the Month of March 2025 in Northern Region	🚺 ग्रिड-इंडिया GRID-INDIA
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 gen load during	teration / loss of g the Grid Event	% Loss of gener load w.r.t Aa Generation/L Regional Grid du Even	ntion / loss of ntecedent .oad in the rring the Grid nt	Antecedent Genera the Regional	ation/Load in I Grid*	Brief details of the event ( pre-finit and post finit system conditions)	Elements Tripped
	( GI 1or GI 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	Gi-1	Punjab	10-03-2025 14:32	10-03-2025 19:17	04:45	0	100	0.000	0.172	55015	58229	()20KV Dasuya(PS) has double main bus scheme. ii)As reported at 14:32hn, B-ph conductor of 220 kV Dasuya(PS)-Jalandhar(BB) Ckt-2 broken due to damage of insulator string and fell on 220kV bus-2. ii)As reported at 14:32hn, B-ph conductor of 220 kV Dasuya(PS)-Jalandhar(BB) Ckt-2 broken due to damage of insulator string and fell on 220kV bus-2. ii)As reported at 14:32hn, B-ph conductor of 220 kV Dasuya(PS)-Jalandhar(BB) Ckt-2 broken due to damage of insulator string and fell on 220kV bus-2. ii)As user NULL at a statistical string at the stri	11 220 KV Dasuya(PS)-Jalandhar(BB) (BBMB) Ckt-2 21 220 KV Dasuya(PS)-Jalandhar(PG) (PG) Ckt-1 31 220 KV Sama(PS)-Dasuya(PS) (PG) Ckt-2 41 220 KV Pong(BB)-Dasuya(PS) (BBMB) Ckt-2
2	GI-2	Rajasthan	10-03-2025 07:14	10-03-2025 08:09	00:55	0	480	0.000	0.889	48596	54007	400/220KV Merta and Bikaner(RS) are connected to each other. Network diagram showing connectivity between Merta, Bikaney and VSJP plant is shown in attached in Annexure. IJ/During antecedent condition, 220kV Merta-Mataraa line was under open condition (as per instruction of SLD-RS) and 220kV Merta-Jethana line was under tripped condition (line tripped on faul). 400/220kV 315 MVXICT-182 at Bikaner(IKS) and Merta/RS) were running at loading of 300/NVA. & 322MVX each respectively. 220/1224V Bikaner S/ was drawing power from VSJP generating station and ad0/220kV Bikaner (SLS) and transcome.tor). JIII AC 121: A INS. 335MV VIII: 14 VSJP tripped due to problem in PK fan. Due to this, the complete load of 220/1324V Bikaner (SLS) and the connector). JIII AC 121: AL INS. 335MV VIII: 14 VSJP tripped due to problem in PK fan. Due to this, the complete load of 220/1324V Bikaner (SLS) and 120/022AV Bikaner (SLS) AND CT-182. Joading at 6) consessed (Increased from 320MVK) at 335MVA). JUDue to increases in the loading of ICIS at Bikaner, SPS of ICIS at Bikaner,	1) 220kV Bilaner-Nokhra (RS) Ckt 2) 400/220 kV 315 MVA ICT 3 at Merta(RS) 3) 400/220 kV 315 MVA ICT 3 at Merta(RS) 4) 220kV Merta-Kuchera Ckt
3	Gi-2	Rajasthan	11-03-2025 14:51	11-03-2025 16:08	01:17	275	0	0.493	0.000	55792	59426	I)Generation of 400kV Renew Surya Ravi (RSRPL) (IP) RE station evacuates through 400 KV Renew Surya Ravi SL_BKN_PG(RSRPL)-Bikaner(PG) Ckt via 400/33 kV 150 MVA ICT 1 and 2 at Renew Surya Ravi SL_BKN_PG (ISRPL) During antecedent condition, 400V Renew Surya Ravi (RSRPL) (IP) RE station as generating approx. 275 MV (as per 7MU), 1 and 2 at Renew Surya Ravi SL_BKN_PG (ISRPL) During antecedent condition, 400V Renew Surya Ravi (RSRPL) (IP) RE station as generating approx. 275 MV (as per 7MU), 1 and 2 at Renew Surya Ravi SL_BKN_PG (ISRPL) Hyped due to malogetation of E/F relay (vector summation of current setting Blowing has another, 400/31 at V150 MVA (CT 1 and 2 at Renew Surya Ravi SL_BKN_PG (RSRPL) also tripped (exact reason and nature of protection operated yet to be shared). HyDue to tripping of both 400/33 AV 150 MVA (CT 1 and 2 at Renew Surya Ravi SL_BKN_PG (RSRPL), 400kV Renew Surya Ravi (RSRPL) (IP) generation becomes zero due to loss of evacuation path. VJAS per PMU, no fault is observed in the system. VJAS per PMU, solar generation loss of approx. 275 MW is observed at RSRPL(IP).	1) 400/33 kV 150 MVA ICT 1 at Renew SuryaRavi SL_BEN_PO (FKSRPL) 21 400/33 kV 100 AV ICT 2 at Renew SuryaRavi SL_BEN_PG (RSRPL)
4	GD-1	Uttar Pradesh	12-03-2025 01:06	12-03-2025 09:20	08:14	0	40	0.000	0.087	40497	46132	()220/132/33KV Baraut(UP) 5/s has single main and transfer bus scheme in all voltage levels. II)As reported at 01:06 hns, hph CT of 220 KV Baghpat(PG)-Baraut(UP) (UP) (Ck-1 got damaged which further led to bus bar protection operation at 220kV Barnut(UP). As a result, all the dements connected to 220KV Bus tripped and complete blackout occurred at 220/132/33KV Baraut(UP) 5/s. III)However, as per DR at Baghpat(PG) end of 220 KV Baghpat(PG)-Baraut(UP) (UP) (Ck-1, R+N fault (Im <sup>-2</sup> -TJAk) converted to R+N+M fault (Im <sup>-2</sup> -SJAk) was observed in 220 KV Baghpat(PG)-Baraut(UP) (UP) (Ck-2, R+N fault (Im <sup>-2</sup> -SJAk) was observed in 220 KV Baghpat(PG)-Baraut(UP) (UP) (Ck-2, R+N fault (Im <sup>-2</sup> -SJAk) was observed in 220 KV Baghpat(PG)-Baraut(UP) (UP) (Ck-2 and fault was sensed in con-2 at Baghpat(PG)-Gamut(UP) (UP) (Ck-2 m fault (Im <sup>-2</sup> -SJAk) was observed in 220 KV Baghpat(PG)-Baraut(UP) (UP) (Ck-2 and fault was sensed in con-2 at Baghpat(PG)-Gamut(UP) (UP) (Ck-2 m fault (Im <sup>-2</sup> -SJAk) was observed in 220 KV Baghpat(PG)-Baraut(UP) (UP) (Ck-2 and fault was sensed in con-2 at Baghpat(PG)-Baraut(UP) (UP) (Ck-2 m fault (Im <sup>-2</sup> -SJAk) was observed in 220 KV Baghpat(PG)-Baraut(UP) (UP) (Ck-2 and fault with sense to result fault was observed in whit and teaming time of -440ms. with sep refVL at Newret(PG), R+Nmit(UP), LW) makes to pround fault work double phase to ground fault work double phase to ground fault with delayed fault clearing time of 440ms was observed. with sep refXLAB, change in demand of approx. 40MW is observed in Uttar Pradesh control area.	1) 220 (V Baghpat(PG)-Baran(UP) (UP) Ctt-1 2) 220 (V Baghpat(PG)-Baran(UP) (UP) Ctt-2 3) 220 (V Mirpura-Baran(UP) Ctt 4) 220 (V Mirpanagar_new Baran(UP) Ctt 5) 220/1324/2004/V (CT-2 at Baran(UP) 6) 220/1324/2004/V (CT-2 at Baran(UP) 7) 220/1324/2004/V (CT-3 at Baran(UP)
5	GD-1	Delhi	14-03-2025 18:34	14-03-2025 20:32	01:58	0	30	0.000	0.075	39404	40233	(1220/66/38kV Delhi Rohtak Road(BB) 5/s has double main bus arrangement at 220kV level. Ii)During antecedent condition, incoming power at Delhi Rohtak Road(BB) through 220 KV Delhi RR(BB)-Narela(DV) (BBMB) D/C was approx. 17 MW each (as per SCADA) which was supplying load of Delhi Rohtak Road(BB) S/s. III)As reported, at 18:34hrs, 220 KV Delhi RR(BB)-Narela(UV) (BBMB) Ckt:1 tripped on R-B phase to phase fault with following relay indications: fault distance of 1.185Km and fault current of Irr-3 241kA and Ibr-3.783K from Marela(RBB) end and fault distance of 17.59 km and fault current of Irr-3.841kA and Ibr-3.878K from Narela(DV) end. During partolling, a kit exting was found tanged between R and B phases at tower loc. no. 1069A, which was later removed. Vilyoning the same time, 220 KV Delhi RR(BB)-Narela(U) (BBMB) Gkt-3 alo tower loc. no. 1069A, which was later removed. Vilyoning the same time, 220 KV Delhi RR(BB)-Narela(DV) (BBMB) Gkt-3 alo tower loc. no. 1069A, which was later removed. Vilyoning the same time, 220 KV Delhi RB(BB)-Narela(DV) (BBMB) G/cc. apole te blackout occurred at 220/66/38KV Delhi Rohtak Road(BB) 5/s. vilyote to tripping 220 KV Delhi RB(BB)-Narela(DV) BMB) G/cc. apole te blackout occurred at 220/66/38KV Delhi Rohtak Road(BB) 5/s. vilyAs per PMU at Mandaula(PC), R-B phase to phase full with fault clearing time of 80 ms is observed. vilyAs per SCADA, change in demand of approx. 30 MW is observed in Delhi control area.	1) 220 KV Delhi RR(BB)-Narola(OV) (BBMB) Ckr.1 2) 220 KV Delhi RR(BB)-Narola(OV) (BBMB) Ckr.2

	Details of Grid Events duri				Grid Eve	nts du	ring the Month of March 2025 in Northern Region	🚺 ग्रिड-इंडिया GRID-INDIA					
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 ger load during	neration / loss of g the Grid Event	% Loss of gener load w.r.t Ar Generation/L Regional Grid du Even	ution / loss of ntecedent .oad in the uring the Grid nt	Antecedent Generi the Regiona	ation/Load in I Grid*	Brief details of the event ( pre-fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
6	GI-2	Haryana	15-03-2025 17:19	15-03-2025 19:45	02:26	0	0	0.000	0.000	44153	42627	IDuring antecedent condition, 800 kV HVDC Kurukshetra[PG] Pole-1, 2, 3 & 4 were carrying approx. 250 MW each and hence total 1000 MW power was flowing from Champa to Kurukshetra. IJAs reported at 17:19 hrs, 800 KV HVDC Kurukshetra (PG) Pole-2 & A blocked due to commutation failure in Pole-2. (Exact reason of tripping need to be analyzed) IJAS 800 KVHVOC Kurukshetra[PG] Pole-2 and Pole-4 blocked power flow of Pole-1 and Pole-2 stiffed on Pole-3 and Pole-4 stiffed on Pole-3 IJAS sport MVDC Kurukshetra[PG] pole-2 and Pole-4 blocked, power flow of Pole-1 and Pole-2 stiffed on Pole-3 and Pole-4	1) 800 KV HVDC Kurukshetra(PG) Pole-02 2) 800 KV HVDC Kurukshetra(PG) Pole-04
7	GD-1	Himachal Pradesh	16-03-2025 14:46	16-03-2025 16:45	01:59	0	0	0.000	0.000	48809	45884	()Total generated power of Sainj HEP(HP), Parbati_2(NH) and Parbati_3(NH) evacuates through 400 kV Parbati_2(NH)-Banala(PG) (PKTCL) Ckt and 400 kV Parbati_3(NH)- Banala(PG) (PKTCL) Ckt via 400 kV Parbati_2(NH)-Sain(HP) (PKTCL) Ckt and 400 KV Parbati_3(NH)-Sain(HP) (PKTCL) Ckt. ii)During entecdent condition, no generation was three at 400 kV Parbati_3(NH), 400 kV Parbati_3(NH)-Sain(HP) (PKTCL) Ckt. iii)During entecdent condition, no generation was three at 400 kV Parbati_3(NH), 400 kV Parbati_3(NH) and 400 kV Parbati_3(NH) at 400 kV Parbati_3(NH) Banala(PG) (PKTCL) Ckt. iii)During entecdent condition, no generation was three at 400 kV Parbati_3(NH), 400 kV Parbati_3(NH) and 400 kV Parbati_3(NH). Banala(PG) (PKTCL) Ckt tab tripped form Banala(PG) end (PkTCL) cates of 6.9 km and fault current of 5.5 stAk from Banala(PG) (PKTCL) Ckt tab to tripped at the same time from Sain( end only (exact reason of tripping te be shared). Vi)Due to tripping to both 400 kV Parbati_3(NH). Banala(PG) (PKTCL) Ckt and 400 kV Parbati_2(NH)-Sain(HP) (PKTCL) Ckt, complete blackout occurred at 400 kV Parbati_3(NH) and 400 kV Sain) (HP(PHP) 5/s. vi)As per PMU at Maligar/HG) (xoccurredue Tk + Mate to earth fault is observed with delayed fault clearing time of 1240 ms and 1240 ms respectively. vi)As per SCADA, no generation loss is observed at 400 kV Parbati_3(NH), 400 kV Parbati_3(NH) and 400 kV Sain  HEP(HP) as there was no generation at either of them.	1) 400 KV Parbati 2(NH)-Sainj(HP) (PKTCL) Ckt 2) 400 KV Parbati_3(NH)-Banala(PG) (PKTCL) Ckt
٤	GD-1	Rajasthan	18-03-2025 10:00	18-03-2025 10:34	00:34	1035	0	1.757	0.000	58902	56730	(]Generation of 220kV Nokhra (IP) and 400kV AGE25L stations execuate through 220 KV Nokhra SL_BHD2 (NTPC)-Bhadia_2 (PG) (NTPC_NOKHRA) Ckt and 400 KV AGE25L SL_BHD2_PG-Bhadia_2 (PG) (AGE25L) Ckt-1 respectively. I)During antecedent condition, 220kV Nokhra (IP) and 400kV AGE25L were generating approx. 252 MW and 488 MW respectively (as per PMU). II)Akr esported, at 0.959-dbin VPhase C of 405-52 bay at AGE25L RE station failed and it triggered Transformer Differential protection of main C8 404-52 and Tie C8 405-52 opened on Bux-Bar Zone-1 protection. IAXI 0.959.47 hr. VAI 00V IAGE25L SL BHD2_PG-Bhadia_2 (PG) (AGE25L) Ckt-1 tripped on R- Phase line differential protection. During inspection at site, spark in R-phase CVT was found and the same was replaced. V)As per PMU at 400V Bhad212(PG). VH Suit Cleared in 240mscc followed by permanent R- Mault is observed in baux-Bar (IPC_MOKHRA) CKT-1 also tripped. The reason for the same is yet to be received. VI)At the same time, 400/220KV 500MVA ICT-6 at Bhadia2[PG] and 220 KV NOKHRA SL_BHD2 (NTPC)-BHADLA_2 (PG) (NTPC_NOKHRA) CKT-1 also tripped. The reason for the same is yet to be received. VI)At per PMU solar generation loss of approx. 487 MW at AGE25L(IPI) and 252 MW at Nokra(IP) were observed. VII)At per PMU, solar generation loss of approx. 487 MW at AGE25L(IPI) and 252 MW at Nokra(IP) were observed.	1) 400/220 KV 500 MVA ICT 6 AT BHADLA, 2 (PG) 2) 220 KV NOXHAK SL_BHD2 (NTPC/BHADLA, 2 (PG) (NOXHA) CCT-1 3) 400 KV AGE25L SL_BHD2_PG-Bhadla_2 (PG) (AGE25L) CRT-1
S	GI-2	Haryana	19-03-2025 19:13	19-03-2025 20:54	01:41	1035	0	2.094	0.000	49421	57326	I)During antecedent condition, 800kV HVDC Champa-Kurukshetra was carrying total 2578MW (Pole 01- 490 MW, Pole 02- 737MW, Pole 03- 716MW, Pole 04- 492MW), II)As reported, at 19:13ms Pole-2 and Pole-4 Tripped on T-Zone protection was Pole-2 protection was reading wrong values of DC current of parallel pole. Power shifted to remaining poles (Pole-183) and power order after the tripping were 1349 MW in Pole-1 and 1527 MW in Pole-3. III)POWERKIRD performed signal injection in control T8 and affected lane was reborded. The analog value of latched protection was found satisfactory. H)As per PMU, Incutation in voltage was observed. V) As per SCADA, no change in demand is observed in Haryana control area.	1) 800 KV HVDC KURUKSHETRA(PG) POLE-2 2) 800 KV HVDC KURUKSHETRA(PG) POLE-4
10	GD-1	Rajasthan	23-03-2025 09:34	23-03-2025 10:09	00:35	230	0	0.441	0.000	52157	53319	RGeneration of 220kV AEGPL(IP) stations Bildeneration of 220kV AEGPL(IP) stations Bildeneration of 220kV AEGPL(IP) stations Bildeneration of 220kV AEGPL(IP) stations Bildeneration 20kV Bildenerating approx. 230kW (as per PMU). Bildenerating Bildenerating approx. 230kW (as per PMU). Bildenerating Bildenerating Bildenerating approx. 230kW (as per PMU). Bildenerating Bildenerating Bildenerating Bildenerating Bildenerating Bildenerating Bildenerating Bildenerating Bildenerating Bildenerating Bildenerating Bilde	1) 220 KV BHADLA_2 (PG)-AEGPL_SL_BHD2_PG (AMP ENERGY GREEN PRIVATE LIMITED) CKT

Details of Grid Events during the Month of March 2025 in Northern Region												🚺 श्रिड-इंडिया GRID-INDIA	
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 ge load durin	Loss of generation / loss of load during the Grid Event		5 Loss of generation / loss of load w.r.t Antecedent Generation/Load in the gjonal Grid during the Grid Event % Generation % Load		ation/Load in l Grid <sup>+</sup>	Brief details of the event ( pre fault and post fault system conditions)	Elencats Tripped
	(GI 1or GI 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	Jammu & kashmir	26-03-2025 04:44	26-03-2025 06:26	01:42	6	21	0.014	0.045	42974	46931	1220/66/V Leh has double main bus system. Nimono Bazgo HEP is connected at 66/V level at 220/66/V Leh S/s. 13During antecedent condition, 220 KV HALST-LEH (PG) CXT-1 was carrying 12MW, while 220/66/V, SDMVA (CT-1 and KT-2 were loaded 6 MW each. 13DA: reported, at 04 Ath ps. 220 KV BALST-LEH (PG) CXT-1 was carrying 12MW, while 220/66/V, SDMVA (CT-1 and KT-2 were loaded 6 MW each. 13DA: reported, at 04 Ath ps. 220 KV BaLST-LEH (PG) CXT-1 was carrying 12MW, while 220/66/V, SDMVA (CT-1 and KT-2 were loaded 6 MW each. 13DA: reported, at 04 Ath ps. 220 KV BaLST-1 and 220/66/V SDMVA (TT-2 also tripped (Details awaited). 14Da: to tripping of both the iCTs, the generator at Nimoo Bazgo HWP also tripped due to loss of evacuation path along with other 66/V feeders. This led to complete blackour of 220/V Leh substation. vi/As per PMU, RA Phase to earth fault with fault clearance time of 120msec was observed. vi/As per SMLR AF phase to 21 MW in J&K control area and generation loss of approx. 6 MW at Nimoo were observed.	()220 KV LEH(JK) - BUS 1 I)220/66 KV 50 M/WA KT 1 AT LEH(PG) II)220 KV KHALSTI-LEH (PG) CKT-1
12	GD-1	HP & Haryana	26-03-2025 13:37	26-03-2025 16:02	02:25	0	113	0.000	0.224	57195	50427	(1220kV Pinjore(HR) and 220KV Baddi S/s has double main bus arrangement at 220kV side. I)Buring antecedent condition, 220 KV Panchkula (PG)-Pinjore (HR) (HVPNL) Ck 1-1. & Ck -2 were carrying 136MV each, while 220KV Pinjore – Baddi Ckt 1& 2 were carrying 125WW each, Ck per S/CADA, Lirverk -220/GKV Baddi(PS) / Swas operating in split mode and load of 220/G6KV was being fed from 220KV Pinjore – Baddi Ckt 1& 2 IIJAs reported, at 13-37 hrs, 220 KV Panchkula (PG)-Pinjore (HR) (HVPNL) Ck 2: tripped on R-N phase to earth fault. The fault location was 30KM from Panchkula end, 2-2 distance protection operated. The fault current as reported by POWKERBOW was 4.2K kb at zape the DR submitted fault current was 3.8K.A. It is pertinent to mention that due to tripping of Ckt - 21 lift he load shifted on 220 KV Panchkula (PG)-Pinjore (HR) (HVPNL) Ckt - 1. Mj/further at 13-4 hrs, 220 KV Panchkula (PG)-Pinjore (HR) (HVPNL) Ckt - 1. Mj/further at 13-4 hrs, 220 KV Panchkula (PG)-Pinjore (HR) (HVPNL) Ckt - 1. Wilk he outage of 220KV Panchkula-Pinjore (JC, 220KV Pinjore station became dead and load of Baddi (HP) also got affected. vijKhs per PMU at Banchkula(PG)- Pinjore (HR) (HVPNL) Ckt - 1. VijKhs per PMU at Banchkula(PG)-Pinjore (HR) (HVPNL) Ckt - 1. VijKhs per PMU at Banchkula(PG)-Pinjore (HR) (HVPNL) Ckt - 1. VijKhs per PMU at Banchkula(PG)-Pinjore (HR) (HVPNL) Ckt - 1. VijKhs per PMU at Banchkula(PG)-Pinjore (HR) (HVPNL) Ckt - 1. VijKhs per PMU at Banchkula(PG)-Pinjore (HR) (HVPNL) Ckt - 1. VijKhs per PMU at Banchkula(PG)-Pinjore (HR) (HVPNL) Ckt - 1. VijKhs per PMU at Banchkula(PG)-Pinjore (HR) (HVPNL) (Ckt - 1. VijKhs per PMU at Banchkula(PG)-Pinjore (HR) (HVPNL) (Kt - 1. VijKhs per PMU at Banchkula(PG)-Pinjore (HR) (HVPNL) (Kt - 1. VijKhs per PMU at Banchkula(PG)-Pinjore (HR) (HVPNL) (Kt - 1. VijKhs per PMU at Banchkula(PG)-Pinjore (HR) (HR) (HR) (HR) (HR) (HR) (HR) (HR)	()220 KV Panchkula(PG)-Pinjore (HR) (HVPNL) Ckt-2 ()220 KV Panchkula(PG)-Pinjore (HR) (HVPNL) Ckt-1 (ii)220 KV Pinjore(HR)-Baddi (HP) (HVPNL) Ckt-1 k)220 KV Pinjore(HR)-Baddi (HP) (HVPNL) Ckt-2
13	Gi-1	UK & HP	28-03-2025 07:31	28-03-2025 09:18	01:47	90	160	0.171	0.309	52576	51813	(1)220 Khodri Sub station has double main Bus Bar system with 4 * 60MW generating units. Billburing antecedent condition, 220 KV KHODRI(UK)-MAINI(HP) (UK) CKT-1 and CKT-2 were carrying S2MW load each, while 220 KV SAHARANPUR (UP) – KHODRI (UK) (UP) was carrying ISMW load (as per SCADA). Bills reported, at C73 1hr, Bus Bar protection operated due to R phase CB blast of Unit 1 at Khodri. Due to bus bar protection operation, 220 KV KHODRI(UK)-MAINI(HP) (UK) CKT-1 and CK2, RA phase to earth fault can be observed along with 2-4 distance protection operation from Khodri end. WAS per PNU, RA whose to earth fault was observed in the system with delayed fault clearance of 240 msec observed. VAS per Disturbance short report submitted by UP SLOC, 220 KV SAHARANPUR(UP)-KHODRI(UK) (UP) CKT-1 tripped on R-N, transient earth fault, 2-3 and the fault current is 1940. vij220 KV SARSAWAN(UP)-KHODRI(UK) (UP) CKT-1 tripped on 2-1, R-1 fault, fault distance: 85.22KM from Sarawan (UP) end. Theil end in ot open from Sarawan end. vij32 per SCADA, change in demand and generation of approx. 90 MW and 96 MW respectively in Himachal and Uttarakhand control area were observed. However, SLDC Uttarakhand and SLDC Himachal informed generation loss of 75MW and load loss of 160MW.	1)220 KV SAHARANPUR(UP)-KHODRI(UK) (UP) CKT-1 11)220 KV SARSAWAN(UP)-KHODRI(UK) (UP) CKT-1 11)220 KV KHODRI(UK)-MAJRI(HP) (UK) CKT-1 IV)220 KV KHODRI(UK)-MAJRI(HP) (UK) CKT-2
14	GD-1	Rajasthan	31-03-2025 13:43	31-03-2025 14:19	00:36	802	0	1.473	0.000	54433	43433	[[Generation of 220kV Azure Maple[]P) station evacuates through 220 kV Bhadle]PG)-Azure Maple PSS SL_BHD_PG (APMPL) (APMPL) (Ck:1 which was generating approx. 200 MW (as per PMU). Similarly, 220k V Azure 34(IP) station evacuates through 220 kV Bhadle]PG)-Azure Maple PSS SL_BHD_PG (APMPL) (APMPL) (Ck:1 which was generating approx. 200 kW (as per PMU). Binsteron evacuates through 220 kV Bhadle]PG)-Azure Maple PSS SL_BHD_PG (APMPL) (APMPL) (Ck:1 which was generating approx. 201 kW (as per PMU). Binsteron evacuates through 220 kV Bhadle]PG)-Azure Maple PSS SL_BHD_PG (APMPL) (APMPL) (Ck:1 m) and account of the fell on the line. At the same time 130 MW A2033KV (C1 at 2003 KV (C1 at 2003 KV (C1 at 2003 KV (C1 at 2004 VALIPS 4) also tripped with 25 (sk) through 25 (sk) through 220 kV Azure 34 (sk) tripped model to tripping of 220 kV Bhadle]PG)-Azure Maple PSS SL_BHD_PG (APMPL) (APMPL) (Ck:1 m) and 130 MW A2033KV (C1 at 2004 VALIPS 4) also tripped with 25 (sk) through 25 (sk) through 220 kV (C1 at 4) (Sk) (sk) tripping of 220 kV (C1 at 4) (sk) (sk) (sk) (sk) (sk) (sk) (sk) (sk	i)220 KV Bhadia(PG)-Azure Maple PSS SL_BHD_PG (APMPL) CK-1 ii)220/33KV 130 MVA ICT1 at Azure 34

								<b>Details</b>	of Gri	d Events d	luring t	the Month of March 2025 in Western Region	जिंड-इंडिया GRID-INDIA
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 gen during	eration / loss of load g the Grid Event	% Loss of gener: load w.r.t Ar Generation/L Regional Grid Grid E	ation / loss of ntecedent Load in the I during the Event	Antecedent General Regional	tion/Load in the Grid®	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI lor GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	WR	06-03-2025 06:47	06-03-2025 08:24	01:37	70	-	0.04%	-	74699	65838	At 06:47 hrs / 03-03-2025, 220 kV Bhuj-Chugger-1 tripped on Y-E fault from Chugger end only and autorecloser successful at Bhuj End. Due to loss of single evacuation transmission line 220 kV Chugger (SITAC) substation became dead. Generation loss of 70 MW occurred at Chugger (SITAC) Wind Power plant due to loss of evacuation path.	Tripping of following Elements: 1. 220 kV Bhuj-Chugger-1
2	GD-2	WR	12-03-2025 14:50	12-03-2025 20:00	05:10	2800	10000.00	3.70%	15.06%	75743	66419	On 12-09.255, multiple events occurred in Central and South Guijant. Complete less of supply accurred at Egihtigi 400M and forty herd(22)202W houstations in Central and South Guijant system, leading to also sit of 314 MW and generation (soci 2014 WM due to the multiple events Vent 1, Form 14:50 hrs (1):450 hrs). 14:50 hrs (1):20-3025, 400 VV Avg) explored have and 400 VV Pranciff Tripped unintendely. 2010 VI elines between central and South Guijant stepped to Over current protections. The cascade tripping of 400 VX à 2.201 VV traumnisoin fires workneed the low voltage exeruin in South Guijant and 400 VV Pranciff Tripped unintendely. 2010 VI elines between central and South Guijant stepped to Over current protections. The cascade tripping of 400 VX à 2.201 VV traumnisoin fires workneed the low voltage exeruin in South Guijant and 400 VV Pranciff Tripped unintendely. 2010 VI elines between Central and South Guijant stepped to 10 to 1535 hrs). To 151 hrs (1): 20-3025, 400 VV avanghabel(1)-bioint(PG) - line typed on Re (planes cohane) to the south Guijant to 1535 hrs). The 1535 hrs) and there were tray the Var(1) hrs) hrs (1): 20-3025 (and VAR) and plane(1) hrs/(1): 2010 VI elines between Central and South Guijant stepped to 1 files the twee tray at the Var(1): 51 hrs, an attempt was note to restore doll Voltagean-Janoor 1 fine. (To manaro end to low trange) to South Guijant, Housever, this line stepped current doll exercises and and stepped to 200 VV Respensibility to 10 hrs (1): 50-001 South Guijant, Housever, the line stepped current doll exercises and barries and barries etcole and 60 VV Respensibility. To Ranal Tripped current circle lashibility tripping of the 400 VV Resard(FG). Italian of the result of south Guijant, Housever, the line stepped current doll exercises and barries and barries and 60 VV Resard(FG). Barries and the the Pranciff Hene South Guijant, Indexer stepped current doll exercises and barries and bar	Complete loss of supply occurred at Eight(8).400k/ and forty two(52).220k/ substains in Central and South Gujarat system.Tripping of following Generating Units: 1. Ukal(H)-UH2 (75 MW) 2. KAPS-UH3 (200 MW) 3. SLPP-UH3 (125 MW) 2. KAPS-UH3 (700 MW) 5. KAPS- UH4 (700 MW) 6. SLPP-UH2 (125 MW) 7. SLPP-UH2 (125 MW) 8. Ukal(T)-UH4 (200 MW) 9. Ukal(T)-UH3 (200 MW) 10. Ukal(T)-UH6 (500 MW) 11. TAPS-UH3 (540 MW)
3	GD-1	WR	14-03-2025 18:08	14-03-2025 18:48	00:40	920	650.00	1.25%	1.12%	73840	57899	Multiple Tripping Incidents in Korba(W) At 1:6:01 hrs / 14-03-2025, Korba(W)-Unit-3 (210 MW) tripped on generator differential protection operation. Simaltaneously, 400/220 kV Korba(W)-ICT- 1 tripped due to fire as reported by Chhattisgan's SLDC. Forther, at 16:40 hrs / 14-03-2025, Korba(W)-Unit-4 (210 MW) tripped on generator differential protection operation and 400 kV Korba(W) Extension- Marwa-1 tripped due to fire as reported by Chhattisgan's SLDC. At, 18:06 hrs / 14-03-2025, Korba(W)-Unit-5 (210 MW) tripped ve to fire as reported by Chhattisgan's SLDC and at 18:10 hrs 400 kV Korba(W) Extension- Bhila:1 and 400 kV Korba(W)-Raita-1 tripped due to Bus bar protection operation. Due to these tripping 400/220 kV Korba(W) substation became dead resulting in Generation loss of 920 MW and load loss of 650 MW in downstream network.	Tripping of following Elements: 1. Korba(W)-Unit-3,485 (210 MW) 2. 400/220 K VKorba(W)-ICT-1 3. 400 K Korba(W) Extension-Marwa-1 4. 400 K Korba(W) Extension-Bhilai-1 5. 400 kV Korba(W)-Raita-1
4	GI-2	WR	15-03-2025 08:53	15-03-2025 10:11	01:18	1700	-	2.59%	-	65705	52637	At 08:S3 hrs / 15-03-2025, while availing planned shutdown of 400 kV Khavda(KPS1)-Bus-1 for carrying out the HV test and bus bar stability, 400 kV Khavda(KPS1)-Bus-2, 400 kV Khavda(KPS1)-Khavda(KPS3)-1, 400 kV Khavda(KPS1)-Khavda(KPS2)-1, 400 kV Khavda(KPS3)-1 and 765/400k /Khavda(KPS1)-E1, 28 tripped. Ideally, in case of N-1 contingency of 400 kV Khavda(KPS1)-Bus-2, the three lines should have been in service through the three ICTs but the ICTs tripped on Backup Impedance relay operation. Due to loss of single evacuation transmission line 400 kV Khavda(KPSS1), 400 kV Khavda(KPSS2) and 400 kV Khavda(KPSS3) substations became dead, leading to around 1700 MW Generation loss.	Tripping of following Elements: 1. 400 kV Khavdd(RPS1)-Bus-2, 2. 400 kV Khavda(RPS1)-Khavda(RPS51)-1, 3. 400 kV Khavda(RPS1)-Khavda(RPS51)-1, 4. 400 kV Khavda(RPS1)-Khavda(RPS51)-1 5. 765/400kV Khavda(RPS1)-ICT-1, 2,&3
5	GD-1	WR	31-03-2025 10:54	31-03-2025 11:29	00:35	600	-	0.73%	-	81839	71392	At 10:54 hrs / 31-03-2025, 400 kV SKS-Kotra-1 tripped from SKS end only on 8-E fault. Subsequently, at 10:56 hrs 400 kV SKS-Kotra-2 tripped on R-E fault from both ends. During inspection, internal flashover was observed in R phase wavetrap of 400 kV SKS-Kotra-2 at Kotra end. Due to loss of double circuit evacuation transmission lines 400 kV SKS thermal substation became dead. Generation loss of 600 MW occurred at 400 kV SKS thermal substation due to the event.	Tripping of following Elements: 1. 400 kV SKS-Kotra-1 2. SKS-Unit-1&2 (300 MW)

	Details of Grid Events during the Month of March 2025 in Eastern Region														
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 gener load during t	ration / loss of he Grid Event	% Loss of genera load w.r.t An Generation/Lo Regional Grid du Even	ation / loss of tecedent oad in the ring the Grid t	Antecedent Generat Regional	tion/Load in the Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped		
	( GI 1or GI 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											No GD-GI ev	ent in March 2025			

	Details of Grid Events duri										ing the	Month of March 2025 in Southern Region	🚺 ग्रिड-इंडिया GRD-INDIA
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 load during	ration / loss of the Grid Event	% Loss of genera load w.r.t An Generation/Le Regional Grid dun Even	tion / loss of tecedent oad in the ring the Grid t	Antecedent Genera Regional	tion/Load in the Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI lor GI 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, TAMILNADU	03-03-2025 18:17	03-03-2025 19:14	00:57	0	240	0.00%	0.46%	46649.5	52397.33	Complete Outage of 230kV/110kV Hosur_TN SS of TANTRANSCO and de-energization of Bus-2 of 220kV/66kV Yerandahalli SS of KPTCL: As per the reports submitted, 230kV Hosur_TN Hosur_PG line-1 and 2 tripped at 230kV Hosur_TN SS due to suspected maloperation of SPs at 230kV Hosur_TN SS which was envisaged during the radial assistance from 230kV Hosur_TN SS to 230kV Yerandahally SS during the shutdown period of 400kV Somanahally Mylasandra line. At the same time, tripping of 110kV feeders on operation of d/dit st 1 and st 2 at 230kV Hosur_TN SS were also reported. Subsequently, at 18:36hr, SPN 1ault was observed in 230kV Metur_Auto Hosur_TN SS were also reported. Subsequently, at 18:36hr, SPN 1ault was observed in 230kV Metur_Auto Hosur_TN es jumper cut at Loc No. 394. At both ends, sone-1 protection operated and the line tripped. Tripping of only connected source led to complete outage of 230kV/110kV Hosur_TN SS of TANTRANSCO and de-energization of Bus-2 of 220kV/66kV Verandahalli SS of KPTCL.	220KV-YERRAANDAHALLI-HOSUR-1, 230KV-METTURAUTO-HOSUR-1
2	GD - 1	KARNATAKA	04-03-2025 14:57	04-03-2025 16:42	01:45	0	124	0.00%	0.19%	51205.23	66970.73	Complete Outage of 220kV/66kV Chikkamangaluru SS: 220kV/66kV Chikkamangaluru is radially fed from 220kV MRS Shimoga Chikkamangaluru, 220kV Hassan_PG Chikkamangaluru. As per the reports submitted,at 14:57hrs, the triggering incleden was B-N fault in 220kV MRS Shimoga Chikkamangaluru and the line triped. At 15:08hrs, Yb-N fault was observed in 220kV Hassan_PG Chikkamangaluru. At Hassan end, the fault was sersed in zone-1. Line was holding at Chikkamangaluru end. Tripping of the only connected line led to complete outage of 220kV/66kV Chikkamangaluru SS.	220KV-HASSAN-CHIKKAMAGALURU-1, 220KV-CHIKKAMAGALURU-MRS SHIMOGA-1
3	GD - 1	KARNATAKA	05-03-2025 21:31	05-03-2025 22:19	00:48	0	190	0.00%	0.36%	44418.14	53485.98	Complete Outage of 220kV/110kV Puttur SS: The triggering incident was 110kV Bus fault at Puttur substation due to the failure of the clamp connecting 110kV Main Bus-1 and the extension bus, resulting in the snapping of the Y-phase bus extension jumper. The fault was being fed through 3100MVA Puttur Transformers-12.87 which were fed from 220kV Puttur Kemar Line-182. Immediately, 100MVA Puttur Transformers-12.87 vibing vere fed from 220kV Puttur kemar Line-182. Immediately, 100MVA Puttur Transformers-12. both 220kV Puttur Kemar Line-182. Tripped stue to the operation of the 110kV side Puttur kemar Line-182. The operation of the 100MVA Transformers-12. both 220kV Puttur Kemar Line-182. Tripped stue to Puttur kemar Line-2000 English and the Puttur Remar Line-122 tripped at the Puttur end on Non directional Definite time Over current protection. This resulted in the de-energization of the 220kV Bus of 220kV/110kV Puttur SS.	220KV-PUTTUR-KEMAR-1, 220KV-PUTTUR-KEMAR-2
4	GD - 1	KARNATAKA	06-03-2025 13:10	06-03-2025 13:30	00:20	0	115	0.00%	0.18%	53027.09	65241.44	Complete Outage of 220kV/66kV Exora SS, 220kV/66kV Vikas Tech and 220kV Bus-1 Outage at 220kV/66kV Malur SS of KPTCL: 220kV Malur SS was operating with split bus condition with 220kV Hoody Malur line feeding 220kV Malur Bus-1. 220kV/66kV Exora and 220kV/66kV Vikas Tech Park were being radially fed from 220kV Malur Bus-1. As per the reports submitted, the triggering incident was RN fault in 220kV Hoody Malur line. Tripping of this line led to loss of power supply to 220kV Malur Bus-1 which intrun led to complete outage of 220kV Exora SS and 220kV Vikas Tech Park.	220KV-HOODY-MALUR-1
5	GD - 1	KARNATAKA	07-03-2025 13:10	07-03-2025 13:33	00:23	0	344	0.00%	0.51%	54018.5	67121.19	Complete outage of 220kV/66kV Naganathpura SS, 220kV/66kV HSR SS, 220kV/66kV Koramangala SS, 220kV/66kV Nimhans SS of KPTCL: During antecedent conditions, 220kV EDC Nimhans, 220kV HSR Hoody, 220kV HSR EPIP were under open condition. As per the reports submitted, the triggering incident was RV-H Sauti in 220kV HSR Bylasandra Eine. At HSR en the flaut was sensed in zone-1 and the line tripged immediately. At Naganathpura end, the fault was sensed in zone-1 and the line tripgering immediately. At Naganathpura end, the fault was plckedup in zone-3 and the line was holding. At the same time, 220kV Mylasandra HSR line-1 tripped on zone-1 at Mylasandra end. Subsequently, 220kV Mylasandra HSR line-2 and 220kV Mylasandra Naganathpura lines tripped on zone-2 at Mylasandra Fingping of all these lines led to complete outage of 220kV/66kV Naganathpura SS, 220kV/66kV Koramangala SS, 220kV/66kV Nimhans SS.	220KV-MYLASANDRA-HSR-1, 220KV-HSR-MYLASANDRA-2, 220KV- NAGNATHPURA-MYLASANDRA-2
6	GD - 1	TELANGANA	10-03-2025 16:02	10-03-2025 16:23	00:21	0.15	0	0.00%	0.00%	57458.33	66259.78	Complete Outage of 400kV/11kV Medaram LIS: During antecedent condition, 400kV Ramadugu Medaram line-2 was under outage due to relay testing works. Triggering incident was tripping of 400kV Ramadugu Medaram line-1 only at Medaram end due to suspected maloperation. Tripping of the only connected line resulted in the complete outage of 400kV/11kV Medaram LIS. During this event there was no pump load.	400KV-MEDARAM_GIS-RAMADUGU-1
7	GD - 1	KARNATAKA	11-03-2025 13:43	11-03-2025 16:48	03:05	0	60	0.00%	0.10%	52941.12	62755.02	Complete Outage of 220kV/110kV MK Hubii SS of KPTCL: 220kV/110kV MK Hubii SS is radially fed from 400kV/220kV Narendra_PG SS. Triggering incident was RY fault in 220kV MK Hubii Narendra_PG line-1 and 2 at a distance of 4.8km from Narendra_PG end due to fire under tower no. 19 and 20. Tripping of both connected lines resulted in the complete outage of 220kV/110kV MK Hubii SS.	220KV-NARENDRA-M K HUBLI-2, 220KV-NARENDRA-M K HUBLI-1
8	GD - 1	TAMILNADU	12-03-2025 09:59	12-03-2025 18:59	09:00	0	0	0.00%	0.00%	55152.84	65325.77	Complete Outage of 230kV/110kV ETPS Generating Station of TANTRANSCO: 230kV ETPS Power house was dismantled and the the 230kV ETPS switch yard was being radially fed from 230kV ETPS Manali line. The 230kV ETPS Switch Yard consists of a 230kV/110kV ETPS Transformer and 4 no.s of 110kV feeders which are idle charged. As per the reports submitted, the triggering incident was an RV:h fault in 230kV ETPS Manali line at location no. 21&26/, At Manali end, the fault was sensed in zone-2 and line tripped after around 420ms. The line was holding at ETPS end. Tripping of the only connected line led to complete outage 230kV ETPS Power House.	230KV-ETPS-MANALI-1
9	GD - 1	TELANGANA	12-03-2025 10:21	12-03-2025 11:15	00:54	13	0	0.02%	0.00%	55531.66	65578.48	Complete Outage of 220kV Pulichintala PH of TGGENCO: As per the reports submitted, the LBB of 220kV bus mal operated at 220kV Pulichinthala PH. Immediately, all elements connected to the 220kV Bus tripped and this led to complete outage of 220kV Pulichinthala PH.	220KV-CHILLAKALLU-PULICHINTALA-1, 220KV-SITAPURAM-PULICHINTALA-1, PULICHINTALA - UNIT 2
10	GD - 1	KARNATAKA	14-03-2025 12:01	14-03-2025 12:29	00:28	0	408	0.00%	0.64%	51476.72	63895.46	Complete Outage of 220kV/66kV Yerrandahally SS, 220kV/66kV Jigani SS, 220kV/66kV Electronic City SS: The triggering incident was R-N fault in 220kV Somanahally Mylasandra Line-1 and the line tripped. After 3S, R-N fault was observed in 220kV Somanahally Electronic City line and the line tripped. Subsequently, 220kV Somanahily Mylasandra Line-2 and 220kV Electronic City Sohba dreams lines tripped on over loading. Tripping of all Itese lines led to loss of power supply to 220kV/66kV Verrandahally SS, 220kV/66kV Jigani SS, 220kV/66kV Electronic City SS.	220KV-SOMANAHALLI-ELECTRONIC_CITY-1, 220KV-SHOBHA_DREAMS-ELECTRONIC_CITY-1, 220KV-SOMANAHALLI-MYLASANDRA-1, 220KV-SOMANAHALLI-MYLASANDRA-2

							De	etails of (	Grid E	vents dur	ing the	Month of March 2025 in Southern Region	🚺 ग्रिड-इंडिया GRID-INDIA
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 load during	ration / loss of the Grid Event	% Loss of genera load w.r.t Ant Generation/Lo Regional Grid dur Event	tion / loss of tecedent bad in the ring the Grid t	Antecedent Generat Regional	ion/Load in the Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 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	15-03-2025 12:42	15-03-2025 12:54	00:12	0	457	0.00%	0.71%	52855.46	64594.85	Complete Outage of 220kV/66kV Yerrandahally SS, 220kV/66kV Jigani SS, 220kV/66kV Electronic City SS: 220 kV Somanahalli - Mylasandra line 1.8 2 tripped at 12:42 Hrs and 12:45 hrs respectively at both ends on distance protection. At the same time 220kV Somanahalli - Khodays and 220kV Somanahalli- Keonics City lines tripped on operation of distance protection. This resulted in complete outage of 220kV/66kV Yerrandahally SS, 220kV/66kV Jigani SS, 220kV/66kV Electronic City SS.	220KV-SOMANAHALLI-ELECTRONIC_CITY-1, 220KV-SHOBHA, DREAMS-ELECTRONIC_CITY-1, 220KV-SOMANAHALLI-MYLASANDRA-1, 220KV-SOMANAHALLI-MYLASANDRA-2
12	GD - 1	ANDHRA PRADESH	17-03-2025 11:45	17-03-2025 11:54	00:09	0	157	0.00%	0.23%	54555.45	68741.33	Complete Outage of 220/132kV Koduru and Rajampet: At 11:25 Hrs, the 220kV Cuddapah-Rajampet line tripped due to a B-N fault. Following the tripping of the 220kV Cuddapah-Rajampet line, the Koduru and Rajampet section became radially connected to Renigunta. At 11:45 Hrs, the 220 kV Renigunta-Koduru line tripped due to a Y-B fault, with the fault sensed only at Renigunta in 22 resulting in a 3-phase trip at Renigunta. This caused the complete outage of the 220/132 kV Koduru and Rajampet substations.	220KV-CUDDAPAH-RAJAMPET-1, 220KV-RENIGUNTA-KODURU-1
13	GD - 1	KARNATAKA	19-03-2025 14:09	19-03-2025 14:25	00:16	0	126	0.00%	0.18%	53293.16	68849.46	Complete Outage of 220kV/66kV Exora SS, 220kV/66kV Vikas Tech and 220kV Bus-1 Outage at 220kV/66kV Malur SS of KPTCL: 220kV Malur SS was operating with split bus condition with 220kV Hoody Malur line feeding 220kV Malur Bus-1. 220kV/66kV Exora and 220kV/66kV Vikas Tech Park were being radially fed from 220kV Malur Bus-1. As per the reports submitted, the triggering incident was RN fault in 220kV Hoody Malur line. Tripging of this line led to loss of power supply to 220kV Malur Bus-1 which inturn led to complete outage of 220kV Exora SS and 220kV Vikas Tech Park.	220KV-HOODY-MALUR-1
14	GD - 1	TAMILNADU	19-03-2025 14:40	19-03-2025 14:55	00:15	0	161	0.00%	0.24%	52720.39	68053.5	Complete Outage of 230kV/110kV Veerapuram SS: During antecedent conditions, due to outage of 230kV Veerapuram SPKoll line and 230kV Veerapuram Cuddalore line 1& 2 on power regulation, 230kV/110kV Veerapuram SS was radially fed from 230kV Kalvindapattu Veerapuram line and 110kV Veerapuram SP Koll line-2. The triggering incident was RN fault in 230kV Kalvindapattu Veerapuram line and the line tripped. Subsequently, 110kV Veerapuram SP Koll line-2 tripped on overloadeing. Tripping of the only connected line resulted in complete loss of supply to 230kV/110kV Veerapuram SS.	230KV-KALVENDAPATTU-VEERAPURAM
15	GD - 1	KERALA	21-03-2025 20:08	21-03-2025 20:50	00:42	0	232	0.00%	0.43%	44566	53751	Complete Outage of 220kV/110kV Palakkad_KL SS of KSEB: As per the reports submitted, the triggering incident was Y N fault in 220kV Madakathara Palakkad line. At both ends, fault was sensed in zone-1 and Y-pole opened. During A/R dead time, B-N fault was observed in 220kV Madakathara Palakkad line. During this fault DEF protection in 220kV Elapully Palakkad line-1,283 at Elupally end. DT was sent to Palakkad end and the lines tripped. Tripping of all these lines led to complete outage of 220kV/110kV Palakkad_KL SS.	220KV-ELAPULLY-PALAKKAD(KL)-2, 220KV-ELAPULLY-PALAKKAD(KL)-3, 220KV-ELAPULLY-PALAKKAD(KL)-1, 220KV-PALAKKAD-MADAKATHARA-1
16	GD - 1	TAMILNADU	23-03-2025 12:44	23-03-2025 16:06	03:22	285	0	0.57%	0.00%	49653.5	60201.42	Complete Outage of 400kV SEPC Generating Station: During antecedent conditions, 400kV SEPC Ottapidaram Line-1 was under emergency shutdown for R-phase CVT replacement. As per the reports submitted, while attending DC leakage in 400kV SEPC Ottapidaram line-1 at Ottapidaram end, DT was sent to SEPC(both in Main-1 and Main-2) end and the line tripped only at SEPC end. Tripping of the only connected line led to complete outage of 400kV SEPC Generating station. Subsequently, SEPC Generating Unit-1 tripped on loss of evcuation.	400KV-OTTAPIDARAM-SEPC-2, SEPC - 400KV - Bus 1, SEPC - 400KV - Bus 2, 400KV/21KV SEPC-GT-1, SEPC - UNIT 1
17	GD - 1	ANDHRA PRADESH	28-03-2025 17:07	28-03-2025 17:50	00:43	163	0	0.33%	0.00%	49644.09	65243.91	Complete Outage of 220kV Upper Sileru PH of APGENCO: As per the reports submitted, the triggering inicident was LBB operation while deparalleling Upper Sileru Unit-1. Immedeately, all elements connected to 220kV Bus-1 and Bus-2 tripped. This led to complete outage of 220kV upper Sileru PH.	220KV-DONKARAYI-UPPER_SILERU-1, 220KV-PENDURTHI-UPPER_SILERU-1, UPPER_SILERU - 220KV - Bus 1, UPPER_SILERU - 220KV - Bus 2
18	GD - 1	KARNATAKA	28-03-2025 17:59	28-03-2025 18:22	00:23	0	131	0.00%	0.22%	48157	58781	Complete Outage of 220kV/66kV Nagnatpura SS of KPTCL: As per the reports submitted, the triggering incident was RYB fault in 66kV/11kV Transformer-1 of 220kV/66kV Nagnatpura SS. The fault was cleared by tripping of 220kV Nagnatpura Mylasandra line and 220kV Nagnatapura HSR line. Tripping of both lines led to complete outage of 220kV/66kV Nagnatpura SS.	220KV Nagnatpura Mylasandra line 220KV Nagnatapura HSR line.
19	GI-1	KARNATAKA	12-03-2025 07:26	12-03-2025 07:49	00:23	0	0	0.00%	0.00%	47861.32	61295.91	Tripping of 220kV Bus-2 of Narendra_PG SS: As per the reports submitted, the triggering incident was maloperation of LBB initiation in 211 bay (corresponds to 220kV Narendra MK Hubli-1) line due to auxillary relay maloperation. After 200ms, LBB trip operated and all elements connected to 220kV Narendra Bus-2 tripped.	220KV-NARENDRA-MAHALINGAPURA-2, 220KV-NARENDRA-M K HUBLI-1, 220KV-NARENDRA-GHATPRABHA-2, NARENDRA - 220KV - Bus 2, 400KV/220KV NARENDRA-ICT-1
20	GI-1	TAMILNADU	12-03-2025 10:32	12-03-2025 11:06	00:34	0	0	0.00%	0.00%	55331.02	65690.7	Tripping of 230kV Bus-1 and Bus-2 of 400kV/230kV SV Chatram SS of TANTRANSCO: As per the reports submitted, the triggering incident was B-phase CT failure in 230kV Bus coupler of 400kV/230kV SV Chatram SS. At SV Chatram, both 230kV Bus-1 and Bus-2 BBP operated and all elements connected to the 230kV Buses tripped except 400kV/230kV SV Chatram ICT-2 as J6 relay of the ICT-2 failed to operate. After around 500ms, 400kV/230kV SV Chatram ICT-2 tripped on operation of Bucholz relay. This led to loss of power supply to 230kV Bus-1 and Bus-2 of 400kV/230kV SV Chatram SS.	400KV/230KV SUNGAVARACHATRAM-ICT-1, 400KV/230KV SUNGAVARACHATRAM-ICT-2, 230KV-ORAGADAM-SUNGAVARACHATRAM-1, 230KV-ORAGADAM-SUNGAVARACHATRAM-2, 230KV-MORKAM-SUNGAVARACHATRAM-1, 230KV-NOKIA-SUNGAVARACHATRAM-1
21	GI-1	KARNATAKA	18-03-2025 05:47	18-03-2025 06:28	00:41	0	82	0.00%	0.14%	43247.77	57217.73	Tripping of 220kV Bus-1 of 220kV/110kV Hubli SS: The triggering incident was B-ph jumper failure on the 220kV Hubli- Bidnal line-1 line between CT and wave trap which led to 21 fault at Bidnal and a 22 fault at Hubli end. The fault at Bidnal resulted in a 3-phase trip, while at Hubli, the absence of carrier signal led to a 22 time trip. During the same time Bus-1 BBP tripped at Hubli, which led to the tripping of 220kV Bus-1 of 220kV/110kV Hubli SS.	220KV-HUBLI-BIONAL-1, 220KV-NAGIHERI-HUBLI-1, 220KV-HUBLI-NARENDRA_KP-1

					Deta	h 2025 in North Eastern Region	👔 ग्रिड-इंडिया GRID-INDIA						
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 gen load during	eration / loss of the Grid Event	% Loss of genera load w.r.t Ar Generation/L Regional Grid du Ever	ation / loss of atecedent oad in the aring the Grid at	Antecedent Genera Regional	tion/Load in the Grid#	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI lor GI 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 I	Tezu and Namsai areas of Arunachal Pradesh Power System	10-03-2025 09:58	10-03-2025 10:49	00:51	0	3	0.00%	0.15%	1672	2065	Tezu and Namsai areas of Arunachal Pradesh Power System were connected with rest of NER Grid through 132 kV Roing – Tezu line. At 09:58 hrs of 10-03-2025, 132 kV Roing – Tezu line tripped. Due to tripping of this element, Tezu and Namsai areas of Arunachal Pradesh Power System got isolated from NER Grid and collapsed due to no source available in these areas. Power supply was extended to Tezu and Namsai areas of Arunachal Pradesh Power System by charging 132 kV Roing – Tezu line at 10:49 Hrs of 10-03-2025.	132 kV Roing-Tezu Line
2	GD I	Tipaimukh area of Manipur Power System	13-03-2025 09:36	13-03-2025 10:40	01:04	0	1	0.00%	0.05%	1515	1824	Tipaimukh area of Manipur Power System was connected with rest of NER Grid through 132kV Alzawl-Tipaimukh and 132kV Jiribam-Tipaimukh lines. At 09:37 Hrs of 13-03-2025, 132 KV Aizawl-Tipaimukh and 132 kV Jiribam-Tipaimukh lines tripped. Due to tripping of these elements, Tipaimukh area of Manipur Power System got isolated from NER Grid and collapsed due to no source available in this area. Power supply was extended to Tipaimukh area of Manipur Power System by charging 132kV Alzawl-Tipaimukh line at 10:40 Hrs of 13-03-2025.	132 kV Aizawi-Tipaimukh and 132 kV Jiribam- Tipaimukh lines
3	GD I	Tipaimukh area of Manipur Power System	15-03-2025 12:35	15-03-2025 14:03	01:28	0	1	0.00%	0.05%	1301	1903	Tipaimukh area of Manipur Power System was connected with rest of NER Grid through 132kV Aizawi-Tipaimukh and 132kV Jiribam-Tipaimukh lines. At 12:35 Hrs of 15-03-2025, 132 KV Aizawi-Tipaimukh and 132 kV Jiribam-Tipaimukh lines tripped. Due to tripping of these elements, Tipaimukh area of Manipur Power System got isolated from NER Grid and collapsed due to no source available in this area. Power supply was extended to Tipaimukh area of Manipur Power System by charging 132 kV Aizawi-Tipaimukh line at 14:03 Hrs of 15-03-2025.	132 kV Aizawi-Tipalmukh and 132 kV Jiribam- Tipalmukh lines
4	GD I	Tezu and Namsai areas of Arunachal Pradesh Power System	18-03-2025 15:56	18-03-2025 21:14	05:18	0	8	0.00%	0.39%	1740	2047	Tezu and Namsai areas of Arunachal Pradesh Power System were connected with rest of NER Grid through 132 kV Roing – Tezu line. At 15:56 Hrs of 18:03-2025, 132 kV Roing – Tezu line tripped. Due to tripping of this element, Tezu and Namsai areas of Arunachal Pradesh Power System got isolated from NER Grid and collapsed due to no source available in these areas. Power supply was extended to Tezu and Namsai areas of Arunachal Pradesh Power System by charging 132 kV Roing – Tezu line at 21:14 Hrs of 18:03-2025.	132 kV Roing – Tezu line
5	GD I	Tuirial S/S of NEEPCO & Kolasib and Bairabi areas of Mizoram Power system	20-03-2025 14:24	20-03-2025 15:26	01:02	0	6	0.00%	0.30%	1531	2026	Kolasib area of Mizoram Power System was connected with rest of NER Grid through 132 kV Kolasib-Badarpur and 132 kV Kolasib – Aizawi lines. Turial and Bairabi 5/5 are connected with Kolasib via 132 kV Kolasib – Turial line and 132 kV Kolasib – Bairabi line. At 14:24 Hrs of 20:03-2025, 132 kV Aizawi-Kolasib and 132kV Badarpur-Kolasib lines tripped. Due to tripping of these elements, Kolasib, Turial and Bairabi areas of Mizoram Power system goi sloated from RE grid and collapsed due to no source available in these areas. Power supply was extended to Kolasib area by charging 132 kV Aizawi-Kolasib line at 15:26 Hrs of 20-03-2025.	132 kV Aizawi-Kolasib and 132kV Badarpur-Kolasib lines

					Deta	ails of (	h 2025 in North Eastern Region	🚺 ग्रिड-इंडिया GRID-INDIA					
S1 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 load during	ration / loss of the Grid Event	% Loss of gener load w.r.t Ar Generation/L Regional Grid du Ever	ation / loss of ntecedent oad in the tring the Grid at	Antecedent Genera Regional	ion/Load in the Grid®	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or GI 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss (MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
6	GD I	132 kV Kameng S/S of NEEPCO & Khupi and Seppa areas of Arunachal Pradesh Power system	23-03-2025 18:18	23-03-2025 19:41	01:23	o	3	0.00%	0.11%	2794	2695	132 kV Kameng S/S of NEEPCO and Khupi and SEPPA areas of Arunachal Pradesh Power System were connected with rest of NER ford through 132 kV Tenga-Khupi line and 132 kV Kameng-Khupi line and 400/132 kV ICT at Kameng. At 18:18 Hr si of 203.2035, 400/132 kV ICT at Kameng and 132 kV Tenga-Khupi line trippo Lue to these trippings, 132 kV Kameng S/S, Khupi and Seppa areas resulting in grid disturbance at 132 kV Kameng S/S of NEEPCO and Khupi & Seppa reases of Arunachal Pradesh got tolated from NER ford and collapsed due to no source available in these areas. Power supply was restored to Khupi area of Arunachal Pradesh Power System by charging 132kV Tenga-Khupi line at 19:41 Hrs of 23.03.2025.	400/132 kV ICT at Kameng and 132 kV Tenga-Khupi line
7	GD I	Mawlyndep area of Meghalaya Power System	23-03-2025 12:09	23-03-2025 12:32	00:23	0	12	0.00%	0.62%	1319	1946	Mawlyndep area of Meghalaya Power System was connected with rest of NER Grid through 132 kV NEHU-Mawlyndep & 132 kV Mawlyndep-Mustem lines. At 1208 Hrs 02 30-30205, 132 kV Mawlyndep-Mustem and 132 kV Mawlyndep-NEHU lines tripped. Due to tripping of these elements, Mawlyndep area of Meghalaya Power system got isolated from NER grid and collapsed due to no source available in this area. Power supply was extended to Mawlyndep area of Meghalaya Power System by charging 132 kV Mawlyndep-NEHU line at 12-32 Hrs of 23-02-2025.	132 kV Mawlyndep-Mustem and 132 kV Mawlyndep- NEHU lines
8	GD I	Loktak S/S of NHPC and radially connected Rengpang area of Manipur Power System	24-03-2025 11:38	24-03-2025 13:05	01:27	o	1	0.00%	0.05%	1369	2106	Luktak S/S of NHPC and Rengang area of Manipur power system were connected with rest of NEB grid through 132 kV Loktak-liribam, 132 kV Loktak-imphal(PG), 132 kV Loktak-Ningthoukhong and 132 kV Loktak-Rengpang lines. Prior to the event, 132 kV Loktak-imphal(PG) line was under planned shutdown and all units of Loktak were withdrawn as per schedule. Also, 132 kV Jiribam(MA)-Rengpang line was under outage since 17-11-2023. At 11:38 Hrs of 240.3025, 132 kV Loktak-linema, 122 kV Loktak-Rengpang lines tripped resulting in blackout of Loktak S/S of NHPC and Rengpang area of Manipur. Power supply was extended to Loktak by charging 132 kV Loktak- Liribam line at 13:05 Hrs of 24-03-2025.	132 kV Loktak-Jiribam, 132 kV Loktak-Ningthoukhong and 132 kV Loktak-Rengpang lines
9	GD I	Gohpur area of Assam power system	26-03-2025 17:38	26-03-2025 18:52	01:14	0	O	0.00%	0.00%	2500	2890	Gohpur area of Assam power system was connected with the rest of the NER grid through 132 kV Gohpur-Nirjuli, 132 kV Gohpur sNC(PG), 132 kV Gohpur-tanagar, 132 kV Gohpur-North Lakhimpur D/C lines & 132 kV Gohpur-NC(AS) D/C lines. Prior to the event, 132 kV BNC(PG) - Gohpur line was under emergency shutdown. Also, Assam requested for shutdown of 132 kV Vision Gohpur J/S, hence opening of following lines along with Bus Sectionalizer: 1.32 kV Nigini Gohpur Line (LILO) A1 1738 kr sI digini Gohpur Line (LILO) A1 1738 kr sI digini Gohza JOS, 102 kV Gohpur Line (LILO) Bus Sectionalizer resulting in tripping of 132 kV Gohpur-BNC(AS) D/C and 132 kV Gohpur-North Lakhimpur D/C lines. This led to blackword 132 kV Gohpur SS. Power supply was extended to Gohpur SS by charging 132 kV Gohpur-Nirjuli Line at 18:52 Hrs of 26-03-2025.	132 kV Gohpur-BNC(AS) D/C and 132 kV Gohpur-North Lakhimpur D/C lines
10	GD I	Rengpang area of Manipur power system	29-03-2025 10:52	29-03-2025 11:13	00:21	0	1	0.00%	0.04%	1369	2427	Rengpang area of Manipur Power System was connected with rest of NER Grid through 132 kV Loktak-Rengpang line. Pior to the event, 132 kV-Jiribam-Rengpang line was under long outage since 18:18 Hrs of 17.11.2023. At 1052 Hrs of 29.03.2025, 132 kV Loktak-Rengpang line tripped. Due to tripping of this element, Rengpang area of Manipur Power System vas isolated from NER Grid and collapsed due to no source available in this area. Power supply is restored in Rengpang area of Manipur Power System by charging 132 kV Loktak-Rengpang line at 11:13 Hrs of 29-03-2025.	132 KV Loktak-Rengpang line
11	GD I	Thoubal(Old) area of Manipur power system	29-03-2025 14:27	29-03-2025 17:45	03:18	o	11	0.00%	0.44%	1484	2475	Thoubal(Old) area of Manipur power system was connected to rest of NER grid through 132 kV Thoubal(New)- Thoubal(Old) & 132 kV Thoubal(Old)-Kakching lines. At 14:27 Hrs 29:03-2025, due to wildfire near Thoubal 5/5, 132 kV Thoubal(Old)-Kakching, 132 kV Thoubal(New) – Kongba I and 132 kV Thoubal(New) – Kakching lines throubal 5/5, 132 kV Thoubal(Old)-Kakching, 132 kV Thoubal(New) – Thoubal(Old) lines were hand tripped due to which blackout at Thoubal(Iold) 5/5 occurred. Power was extended to Thoubal(Iold) 5/5 by charging 400/132 kV ICT at Thoubal at 17:45 Hrs of 29:03-2025.	132 kV Thoubal(Old)-Kakching, 132 kV Thoubal(New) – Kongba I, 132 kV Thoubal(New) – Kakching lines, 400/132 kV ICT at Thoubal and 23 kV Thoubal(New) –Thoubal(Old) lines
12	GD I	Thoubal(Old) area of Manipur power system	29-03-2025 21:56	30-03-2025 00:31	02:35	o	8	0.00%	0.29%	2190	2775	Thoubal(Old) area of Manipur power system was connected to rest of NER grid through 132 kV Thoubal(New)- Thoubal(Old) & 132 kV Thoubal(Old)-Kakching lines. Prior to the event, 132 kV Thoubal(New) – Kongba I, 132 kV Thoubal(New) – Kakching 1 and 132 kV Thoubal(NeW) – Kakching lines tripped at 14.27 Hrs of 29-03-2025. At 21:56 Hrs, 132 kV Thoubal (NeW) – Kongba II, 132 kV Thoubal (NeW) – Thoubal(Old) exemption and 315 MVA, 400/132 kV ICT at Thoubal were hand tripped due to wildfire near the Thoubal 5/S of Manipur Power system due to which blackout at Thoubal(Io(d)) 5/S occurred. Power supply is restored in Thoubal(Old) area of Manipur Power System by charging 132 kV Thoubal (New) – Thoubal(Old) line at 00-31 Hrs of 30-03-2025.	132 IV Thodai (Neel – Englis II. 132 IV Thodai (Neel –Thodai(Old) lines and 315 MVA, 400/132 IV KT at Thodail