								Details of	Grid Events	during the Mo	onth of Janu	arv 2023 in Northern Region	👔 ग्रिड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of	Time and Date of Restoration	Duration	Loss of gene during	ration / loss of load the Grid Event	% Loss of generati w.r.t Antecedent Ge the Regional Grid Even	ion / loss of load meration/Load in during the Grid nt	Antecedent Generati Regional (	ion/Load in the Grid*	Relef details of the event / are fault and not fault system conditions's	Flements Trimod
	( GI 1or 2/ GD-1 to GD-5)		Grid Event		(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-Jan-2023 04:33	01-Jan-2023 17:18	12:45	D	0	0.000	0.000	31602	36851	L. As reported, at D433 hrs, 400 VV Bara(UP)-Meja TPS(MUN) (UP) Ckt-1 & 2 tripped on Y-N phase to earth fault, fault was in Z-1 from Bara end and in Z-2 from Meja end. 2. As per PMU at Mainpuri(PG), Y-N phase to earth fault with fault clearing time of 560 ms followed by B-N phase to earth fault with fault clearing time of 320 ms is observed. 3. Further, as reported, 660 MW Unit-1 at Meja TPS tripped on generator differential protection operation at 04-50hrs.	1) 400 KV Bara(UP)-Meja TPS(MUN) (UP) Ckt-1 2) 400 KV Bara(UP)-Meja TPS(MUN) (UP) Ckt-2 3) 660 MW Meja TPS - UNIT 1
2	GD-1	Himachal Pradesh	04-Jan-2023 07:27	04-Jan-2023 14:50	7:23	0	600	0.000	1.195	46411	50202	1. As reported at 0727hrs, Due to overloading of all 3 220/132kV 100MVA KTs at hamirpur2(HP) (carrying ~107MVA each during antecedent condition) tripped. 2. Due to tripping of KTs at Hamirpur2(HP), Hamirpur2(HP) 5/s got dead and due to cascade tripping at Kangoo, Nehrain & Hamirpur_1(HP), Hone 5/s abio became dead. 3. As mper PMU, no fault in system is observed. 4. As per SZAD, bodie sof a sporse. SolWWI with transhand control area is observed.	1) 220/1221/ 1200/074 ICT-1 at Hamilyour. 2(HP) 2) 220/1221/V 1000/04 ICT-2 at Hamilyour. 2(HP) 3) 220/1221/V 1000/04/0 ICT-3 at Hamilyour. 2(HP) 4) 322 KV Hamilyour(HP)-Chohal (PS) (PSTCL) CLt-1
з	GI-2	Uttar Pradesh	05-Jan-2023 06:23	05-Jan-2023 12:28	6:05	D	0	0.000	0.000	39367	46426	<ol> <li>During antecedent condition, 660MW Unit-2 at Meja was generating approx. 500 MW.</li> <li>As reported, at 08:23 hrs, 400 KV Bara(UP)-Meja TPS(MUN) (UP) CK-1 &amp; 2 tripped on B-N phase to earth fault, fault was in 2-1 from Bara ed.</li> <li>As per PMU at Mainpuri(PG), B-N phase to earth fault with fault clearing time of 560 ms is observed.</li> </ol>	1) 400 KV Bara(UP)-Meja TPS(MUN) (UP) CK-1 2) 400 KV Bara(UP)-Meja TPS(MUN) (UP) CK-2
4	GD-1	Rajasthan	05-Jan-2023 13:21	05-Jan-2023 13:56	0:35	0	550	0.000	0.937	53705	58708	Louring antecodent condition, 226W Hinduw2205 Skrai(Dawta)(Rai) kt was not in service and MVA loading of 400/220 kV 315 MVA ICT 18 2 at Hondum/Raj was 265 and 228 MVA respectively.     A 123 Da K, add 2200 St 315M ACT 428 ab both hipped on 0/C protection operation.     A sper SKADA, load loss of approx. 550MW is observed in Rajasthan control area.	1) 400/220 kV 315 MVA ICT - 1 at Hindaun(Raj) 2) 400/220 kV 315 MVA ICT - 2 at Hindaun(Raj)
5	GD-1	Uttarakhand	08-Jan-2023 12:17	08-Jan-2023 13:29	1:12	120	0	0.224	0.000	53454	60466	<ol> <li>As reported at 12:17hrs, 132 KV Sherkot(UP)-Kalagarh(UK) (UP) Ckt &amp; 132 KV Afzalgarh(UP)-Kalagarh(UK) (UP) Ckt was manually opened from UP end due to overloading of line. However, It was not done in coordination with SLD-UK.</li> <li>Due to outage of two (02) 220kV lines, all running three (03) 66MV units at Ramganga HEP tripped due to loss of evacuation path.</li> <li>As per FMU, no fault in system is observed.</li> <li>As per SCADA, loss of generation of approx. 120MW at Ramganga HEP occurred.</li> </ol>	1) 66MW Ramganga HEP UNIT-1 2) 66MW Ramganga HEP UNIT-2 3) 66MW Ramganga HEP UNIT-3 3) 66MW Ramganga HEP UNIT-3 13 2X VS herboly-Salagarh(UK) (UP) Ckt-1 5) 13 2X VS Afzalgarh(UP)-Kalagarh(UK) (UP) Ckt-1
6	GI-1	Rajasthan	09-Jan-2023 15:21	10-Jan-2023 06:02	14:41	38	0	0.081	0.000	46892	56519	<ol> <li>PSS-2 AHEJ4L, 220/33 kV 150 MVA ICT 2 at AHEJ4L PSS 2 Fatehgarh tripped due to Differential protection operated at 15:21.</li> <li>As per AHEJ4L PSS-2, it was observed that outgoing feeder No-307 Cable end termination kit failure caused this tripping.</li> <li>As per SCADA data of ICT loading, generation loss of approx. 38 MW occurred at AHEJ4L-PSS2 at Fatehgarh.</li> <li>Generation connected to ICT-2 was resumed through base outger at 16:04.</li> </ol>	1) 220/33 KV 150 MVA ICT 2 at AMEJAL PSS 2 HB_FGRAH_FBTL (AMEJAL)
7	GD-1	Rajasthan	11-Jan-2023 11:13	11-Jan-2023 12:52	1:39	0	420	0.000	0.697	53252	60250	Louring antecedent condition, 220kV Hindaun220-Sikrai[Dausa](Raj) ckt was not in service and MVA loading of 400/220 kV 315 MVA ICT-1 & Z at Hindaun[Raj] was Z58 and 281 MVA respectively. 2.At 1:11 brs, 400/220KV 315MVA ICT-1&Z both tripped on O/C protection operation. 3.A Sper FVML no Ruli to sobsrevel in system. 4. As per SCADA, load loss of approx. 420MW is observed in Rajasthan control area.	1) 400/220 kV 315 MVA ICT - 1 at Hindaun(Raj) 2) 400/220 kV 315 MVA ICT - 2 at Hindaun(Raj)
8	GD-1	Haryana	12-Jan-2023 16:56	12-Jan-2023 23:47	6:51	0	400	0.000	0.779	44192	51323	<ol> <li>Multiple elements tripping occurred at Samaypur(88) while charging of Bus-4 at 220 kV Samaypur 5/5 which was under planned outage.</li> <li>As per SZADA, approx. 400 MW Load Loss occurred in Haryana.</li> <li>As per PMU at Ballabhgarh(PG), B-N phase to earth fault with fault clearing time of 520 ms is observed.</li> </ol>	1220 KV Ballabhgarh(BB)-Badarpur(NT) (BB) Ckt-1 2120 KV Samarpur(BB)-Faild(IHV) (HVFNL) Ckt-18.2 3120KV Bs 134 Samarpur(BB) 41 220 KV Ballabhgarh-Samarpur(BB) (Ckt-2 50 400/220 KV Somarpur(BB) (HVFNL) (Ckt-2 7120 KV Samarpur(BB)-Badshahpur(HVFNL) (Ckt-2 81 220 KV Ballabhgarh-Charkhi Dadri (BB) Ckt-1 81 220 KV Fairdabad Sec-58 (HV)-Fairdabad(NT) (HVFNL) Ckt-1 91 220 KV Fairdabad Sec-58 (HV)-Fairdabad(NT) (HVFNL) Ckt-1
9	GD-1	Uttar Pradesh	12-Jan-2023 05:53	13-Jan-2023 11:13	5:20	1200	0	3.212	0.000	37358	46439	L During antecedent condition, 660MW Unit-1, 2 & 3 at Bara were generating approx. 430 MW, 405 MW and 415 MW respectively. 2. As reported, 400W Bara — Neije kt 1 & 2 tripped at 0333 hrs & 0348 hrs respectively on phase to earth fault. After tripping of 400W Bars Heb (2) generation of Bara TPS were executed on through 750 Kt and Alamster and State of the State of State o	11 400 KV Bara(UP)-Meja TPSJMUN) (UP) CK-1 2) 400 KV Bara(UP)-Meja TPSJMUN) (UP) CK-2 3) 765 KV Bara-Malnpuri (UP) CK-2 4) 660 MW Bara PPGCL TP5 - UNIT 1,283

								Details of	Grid Events	during the Mo	onth of Janu	ary 2023 in Northern Region	🚺 ग्रिड-इंडिया GRID-INDIA
SI No.	Category of Grid Event	Affected Area	Time and Date of occurrence of	Time and Date of Restoration	Duration	Loss of gene during	ration / loss of load the Grid Event	% Loss of generati w.r.t Antecedent Ge the Regional Grid Eve	ion / loss of load rneration/Load in during the Grid	Antecedent Generati Regional /	ion/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)		Grid Event		(HH:MM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
10	GD-1	Rajasthan	12-Jan-2023 07:11	12-Jan-2023 09:16	2:05	0	220	0.000	0.462	44003	47635	During antecedent condition, 400/220 kV 315 MVA ICT 1.2&3 at Ratangarh(R5) were carrying approx. 133 MW each respectively. 2. As reported at 07:10hrs, Y-Ph CT at 220kV side of 400/220kV ICT-1 at Ratangarh(R5) burst. 3. At the same time, all the elements connected at 220kV usu-1&2 tripped. 4. As per FMU at Silar(PG), R-4 phase to earth fault with fault clearing time of 80msec at 07:10.35hrs followed by R-8 phase to phase fault with fault clearing time of 80msec at 07:10.35hrs followed by R-8 phase to phase fault with fault clearing time of 80msec at 07:10.35hrs followed by R-8 phase to phase fault with fault clearing time of 80msec at 07:10.35hrs 5. As per SCADA, change in load of approx. 220 MW observed in Rajasthan control area.	1) 220 KV Ratangarh(RS)-Sikar(PG) (PG) Ckt-1&2 2) 400/220 kV 315 MVA ICT 1_2&3 at Ratangarh(RS)
11	GD-1	Rajasthan	13-Jan-2023 05:32	13-Jan-2023 15:33	10:01	450	0	1.316	0.000	34182	41812	L During antecodent condition, 135 MW Rajwest (IPP) LTPS - UNIT 1,2,3,4,5,6,7&8 were carrying approx. 65 MW each respectively. 2. As reported, 000 DV Rajwest(RW)-Kankan (IKS) C4:-1 and 400 KV Rajwest(RW)-Jodhpur (RS) C4:-1 tripped due to heavy fog at 0:24 hr nat 0:63.1 hr respectively. 3. Further at 0:53:res, 400 KV Barner(RS)-Rajwest(RW) (IS) C4:-1 also tripped on phase to earth fault due to fog. With the tripping of 400 KV Barner(RS)-Rajwest(RW) (IS) C4:-1 also MW Rajwest (IPP) LTPS - UNIT 1,2,3,4,5,6,7&8 tripped due to loss of excausion path. 4. As per 25UAD approx. 450 MW generation loss occurred in Rajasthan. 5. As per 7MU at Binnar(RS) F6,8 miss to earth fault with that Icating time of 200 ms is observed.	1) 400 KV Rajwest(RW)-Kankani (RS) CK-1 2) 400 KV Rajwest(RW)-odhgur (RS) CK-1 3) IS3 WK Jajwest (PP) LTS - ULT 2,3,4,5,6,7 &8 4) 400 KV Barmer(RS)-Rajwest(RW) (RS) CK-1
12	Gi-2	Rajasthan	14-Jan-2023 13:03	14-Jan-2023 14:01	0:58	2340	0	4.481	0.000	52224	57073	<ol> <li>At 13:032 hrs, 7651V Ajmer-Bhadia2 ckt-2 tripped after unsuccessful A/R operation on R-N phase to earth fault as fault was of permanent in nature.</li> <li>As per PMU, R-N phase to earth fault with unsuccessful A/R operation is observed and fault cleared within 100msc.</li> <li>As the same time significant reduction in RE generation also observed with depart ercovery due to non-compliance of UWT.</li> <li>A sper PMU as Fadespart2PGL voltage at 765W level varied from 752W (before fault) to 355W (after fault), However, over voltage didn's usual and no further tripping of USTs element on over voltage instantaneously.</li> <li>Sager SCMD. Call reduction in RE generation of approx. 2340W observed. In Bajasthan RE generation complex (connected at ISTs pooling station).</li> </ol>	1) 220 KV Fatehgarh_III/PG)-ASEJOL_HB FFGH2 (ASEJOL) (ASEJOL) Ckt-1 2) 220 KV Fatehgarh_III/PG)-ASEJOL_HB FFGH2 (ASEJOL) (ASEJOL) Ckt-2
13	GD-1	Rajasthan	14-jan-2023 14:55	14-Jan-2023 16:51	1:56	3210	0	6.766	0.000	47441	52382	At 14:55Mm, MOXV Bassi-Herstopus 4:52 Highed on R-Y phase to phase fault.     Z. As per PRU, P-Y phase to phase fault is observed.     X. As per PRU, P-Y phase to phase fault is observed.     X. As per PRU, P-Y phase to phase fault is observed with delayed recovery due to non-compliance of LVRT.     X. As per PRU at Facehgan2100, softpace at 755KV level varied from 756VV (before fault) to 94KV [after fault).     X. As per PRU at Facehgan2100, softpace at 755KV level varied from 756VV (before fault) to 94KV [after fault).     S. On this over other multiple 755KV ISIN insis at 755KV bepoing stations tripped.     S. As per SCADA, total reduction in RE generation of approx. 3210MW observed in Rajasthan RE generation complex (connected at 15Ts pooling stations).	11 765 KV Fatehgarh [IPG]-Bhadia/PG] (FBTL) Ck-1 21 765 KV Bhadia2 (PG]-Fatehgarh[IPG] (PTL) Ck-1 31 220 KV Fatehgarh[IPG]-Perikot SL_FTGH2 (MTPC_DEVIKOT) (MTPC_DEVIKOT) Ck-1 41 765 KV Bhane(PG)-Khetir (PKTSL) (BKTL) Ck-1 51 400 KV Fatehgarh]IPG]-Fatehgarh Pooling(FBTL) (FBTL) Ck-1 61 400 KV Bhadia/FG]-Fatehgarh Pooling(FBTL) (FBTL) Ck-1 71 400KV Bassi-Heerapura ck-2
14	GD-1	Rajasthan	14-Jan-2023 15:18	14-jan-2023 17:49	2.31	4468	0	9.602	0.000	46534	51684	LA 13:5187., 400W Phagi-Heengupa cdx-1 tripped on R-Y phase to phase fault.     LA 24.52187. AUX Phase to phase fault which cleared within JOBmack is observed.     S. Apt pre NML, N-Phase to phase fault which cleared within JOBmack is observed.     S. At the same time, significant reduction in RE generation also observed with delayed recovery due to non-compliance of LVRT which led to the over voltage in system.     S. At the same time, significant reduction in RE generation also observed with delayed recovery due to non-compliance of LVRT which led to the over voltage in system.     S. On this over voltage in system STS lines at 753XV keep toom 750KV (before fault) to 848VV (later fault).     S. On this over voltage multiple 753XV ISI lines at 753XV keep toom 750KV (before fault) to 848VV (later fault).     S. On this over voltage multiple 753XV ISI lines at 753XV keep toom 750KV (before fault) to 848VV (later fault).     S. On this over voltage multiple 753XV lines, at 254 fins on 161A in 2023, 400VV later) and 154 set (later fault).     S. During same time, 400VV fater) and 154 set (later fault) and 223, 400VV later) and 154 set (later fault).     S. During the strands from for the strands of the fault and 223, 400VV later) and 154 set (later fault).     S. A set (later) and 154 set (later) and 154 set (later) and 200VV later) and 154 set (later) and 154 s	1 1400 IV Bhadia-Johloyur (RS) G1.1 1400 IV Stabley (RS) G1.1 141 141 141 141 141 141 141 141 141
15	GI-2	Uttar Pradesh	15-Jan-2023 12:25	15-Jan-2023 16:14	3:49	0	o	0.000	0.000	52228	57226	<ol> <li>As reported at 12:25hrs, 400 KV Tanda(NT)-Basti(UP) (UP) (Xt-1 tr/pped on R Y phase to phase fault, fault distance was 25.46km (2-1) from Basti end.</li> <li>At the same time, 400 KV Tanda(NT)-Basti(UP) (UP) Ckt-2 &amp; 400 KV Lucknow _1(PG)-Basti(UP) (PG) Ckt-1 also tr/pped.</li> <li>As per FVML attownVG(P), R Y has to phase fault with fault Clearing time of 80 ms is observed.</li> <li>As per SCADA, no load loss occurred in Uttar Pradesh control area.</li> </ol>	1) 400 KV Lucknow _1(PG)-Bast(UP) (PG) Ckt-1 2) 400 KV Tanda(NT)-Bast(UP) (UP) Ckt-182
16	GD-1	Rajasthan	17-Jan-2023 08:56	17-Jan-2023 09:26	0:30	0	500	0.000	0.875	51397	57155	Louring antecedent condition, MVA loadings of 400/220 kV 315 MVA ICT-1 & 2 at Hindsun[Raj] were 284 and 307 MVA respectively.     Z. At 08:5 hrs, 220xV Hindsun220-Sikral[Dausa][Raj] ckt [carrying "37MWI tripped which further resulted into overloading of 220XV Hindsun0:Hindsun220Raj at an 400/220kV 315MVA ICTs at Hindsun. Subsequently, 400/220kV 315MVA ICT-3& at Hindsun tripped on overcurrent protection operation     A sper SML no Hult is observed in anystem.     A sper SKDA, load loss of approx. 500 MW is observed in Rajasthan control area.	1) 400/220 kV 315 MVA (CT - 1 at Hindaun(Raj) 2) 400/220 kV 315 MVA (CT -2 at Hindaun(Raj)

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	( GI 1or 2/ GD-1 to GD-5)		Gnd Event		(HH:MM)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
17	GD-1	Himachal Pradesh	24-Jan-2023 11:40	24-Jan-2023 13:35	1:55	114	0	0.229	0.000	49781	55570	Louring antecedent condition, 66MW Unit-3.1.84S were running and generating approx. 66MW, 66MW, 50MW & 60MW     respectively. Unit-2.486.8 220W feeders to lalandhar ckt-1, lessore ckt-1 and Dasuya ckt-2 were connected at 220W Bus-1.     ZoW Bus-1.     As reported, bushar protection operated at 220W V Bus-2 and 1111 of Nors. Hence all the elements connected at 220W Bus-1.     As reported, bushar protection operated at 220W V Bus-2 and 200 V Bus-2 and 1111 of Nors. Hence all the elements connected at 220W Bus-1.     As reported, bushar protection operated at 220 V Bus-2 and 1111 of Nors. Hence all the elements connected at 3.As per fMU at Lalandhar (PG), no fault is observed. As reported, fashover in CB of Unit-4 at Pong HEP observed.     As per SCADA, total generation loss of approx. 114MW is observed at Pong HEP(BBMB).	1] 220 KV Jalandhar-Pong (BB) Cit-2 2] 220 KV Pong(BB-Dasuya(F) (BB) Cit-2 3) 50 KW Pong (FF2 - UNT 2 4) 56 KW Pong (FF2 - UNT 4 2) 25 ZV V F3sos/BP(F)-Pong(BB) 6) 220 KV Bus 2 at Pong(BB)
18	Gi-2	Uttar Pradesh	24-Jan-2023 01:54	24-Jan-2023 03:35	1:41	O	0	0.000	0.000	30774	34797	Louring antecedent condition, 765/400 kV 1000 MVA ICT 2, 400/220 kV 215 MVA ICT 1 and 400 kV feeders to Johts. Hardral Road ck-12, Agar ck-13, Barelly ck-2, Panki ck-1, Lucknow ck-1 were connected to 400 kV Bus 1 at Unnao(UP). 400kV Unnao-Barelly ck-13 was not in service. 2, As reported, FA phase to earth fault occurred on 400kV Unnao-Barelly ck-12, funit was in 2-1 from Unnao end. Line CB at Unnao end failed to goen which led to LBB protection operation. Due to this, elements connected at 400kV Bus-1 at Unnao(UP) tripped. 3, As per PML, RA phase to earth fault wild edayd cleance of 240mecs is observed. 4, As per SCADA, no load loss is observed in Uttar Pradesh control area.	11 755/400 kV 1000 MVA ICT 2 at Unnao(UP) 21 400 KV Unnao(UP)-hehta jirardol Road (UP) (PG) Ckt-2 30 400 KV Age-dona (UP) Ckt-1 41 400/220 KV 315 MVA ICT 1 at Unnao(UP) 50 400 KV 300/40 KV 1000 KVA ICT 1 at Unnao(UP) 50 755/400 KV 10000 KVA ICT 1 at Unnao(UP) 70 400 KV 1000-400 KVA ICT 1 at Unnao(UP) 70 400 KV 1000-400 KVA ICT 1 81 400 KV Unnao Luchnow (UP) Ckt-1 91 400KV ILT 01 KVARU(UP) 50 400KV ILT 01 KVARU(UP
19	Gi-1	J&K	25-Jan-2023 20:05	25-Jan-2023 22:05	2:00	D	50	0.000	0.099	38835	50512	1. As reported, 122 IXV Hiranagar(PDD) Server, 2JNHI (KG) CM-182.5 tripped on Y-M phase to earth fault (zone-1 protection operated). Fault current wais 0-22 kA and distance was 1.5 km from Server, 2JNH (ed. 2. As per FMU at SambhalFG). R-Y fault is observed with delayed clearance of 280 ms. 3. As per SCADA, change in load of approx. SDMW observed in J&K/(UT) & Ladakh(UT) control area.	1) 132 KV Hiranagar(PDO).5ewa_2(NH) (PG) Ckt.1 2) 132 KV Hiranagar(PDO).5ewa_2(NH) (PG) Ckt.2
20	GI-2	Uttar Pradesh	26-Jan-2023 23:19	27-Jan-2023 00:13	0:54	o	0	0.000	0.000	32704	38123	During anteodent condition, 400 KV Angara. B(UPUN) Mau(UP) (UP) Ck1-8. 400 KV Angara_B(UPUN) Samath(UP) (UP) Ck1-2 were carrying 2020KW 8.3304WV respectively.     As reported a 2123 Jinn, 400 KV Angara_B(UPUN) Mau(UP) (UP) Ck1-1 tropped an Y-N phase to earth fault. Fault was in 7-1 (2.5km, 315) from Mau end and in 2-2(238m) from Angara end. Line tripped after unsuccessful A/R operation from both the ends.     As the same time 400 KV Angara_B(UPUN)-Samath(UP) (UP) Ck2-2 also tripped from Angara end     As a per PMU, V-N phase to earth fault with unsuccessful A/R operation is observed.     S. As per SCADA, no load loss is observed in Uttar Pradesh control area.	1) 400 KV Anpara, B(UPUN)-Mau(UP) (UP) Ckr-1 2) 400 KV Anpara, B(UPUN)-Samath(UP) (UP) Ckr-2
21	GI-2	Uttar Pradesh	28-Jan-2023 13:45	28-Jan-2023 16:58	3:13	o	O	0.000	0.000	50790	51943	As reported, testing and commissioning work of 400kV Bus bar protection at Muradnagar_1(UP) was being done by 2V Firm  engineer on behalf of M/S JSP project Pv1 Ltd. to incorporate 2 (no.) of vaccoming 400kV line bays i.e., Muradnagar-1 to  Simbhavail. During Bit work, LBB protection maloperated multiple times i.e., 13:ASN, 17:ORNs, 82 LT-24rks,  2. At 13:ASNs, no maloperation of LBB protection, 400kV MuradnagarV-Mathiva (UP) 44, 400/220kV 31:SMVA ICT-2 at  Muradnagar_1UP) Bit SAMVA Bus restored at Mundhagar_1UP) tripped. 3. As per 570KD 32, no fault in system is boserved. 4. As per 570KD 32, no chargen in demond of UP boserved. 5. As reported by 5LDC 4P, 400kV bus bar protection is kept out of service due to multiple maloperation and issue has been  taken up with M/S JSP Project Pv1 Ltd. to resolve the same at the earliest.	1) 400kV Muradnagar_1-Mathura (UP) ckt 2) 400/220kV 315NVA (CT-2 at Muradnagar_1(UP) 3) G3MVAr Bus reactor at Muradnagar_1(UP)
22	GD-1	Uttar Pradesh	28-Jan-2023 17:04	28-Jan-2023 19:15	2:11	190	0	0.424	0.000	44789	45727	Louring antecedent condition, 400 KV Anpara, B(UPUN)-Samath(UP) (UP) (Xt-2, 210MW Unit-1 at Anpara TP5 & 400/132 kV 100 MVA (CT 14 Anpara(UP) were connected at 400KV Bus-1 at Anpara (PI) and rest of the elements were connected at 400KV Bus- 2. As reported at 17:04hrs, 400 KV Anpara, B(UPUN)-Samath(UP) (UP) (Ct-2, 210MW Unit-1 at Anpara (PS & 400/132 kV 100 MVA (CT 14 Anpara(UP) are 11 intrped on busical differential protection operation. 3. As per FMU at Anpara(UP) KY phase to phase fault with delayed clearance in 440msec is observed. 4. As per SCM0.26, 600 V Anpara, B(UPUN)-Samath(UP) (UP) Ct-2: 10pd Entor Samath end followed by tripping of all the elements connected at Bus-1 at Anpara(UP). 5. As per SCM0.26, generation loss of approx. 190MW in UP control area is observed (210MW Unit-1 at Anpara TPS tripped).	11 400 KV Bus-1 at Angara(UP) 21 400 KV Angara, B(UPUH)-Sarnath(UP) (UP) Ckt-2 31 200 KV Angara TPS - UNIT 1 4) 400/132 kV 100 MVA ICT 1 at Angara(UP)
23	GD-1	Delhi	29-Jan-2023 15:50	29-Jan-2023 16:00	0:10	0	250	0.000	0.575	41000	43514	1 During amtencident condition, 220W Magid Mont SS was fed from 220W Mahavanbagh-masujd Mont Ad:182 and 220W Trauma Centre. 220W K. P. Joran 23 20W Vasark kany over 64 from 220W Mahavanbagh-Trauma Centre c4:18.20 2. As reported at 15:50hr., a five incident occurred near Saral Kale Khan drain in the vicinity of 220W cables. On this fire incident 220W Maharahanbagh-Trauma Centre c4:18.20 230W Maharahanbagh-Trauma Centre c4:18.20 3.9 J 560hr., Sud of Trauma centre, RK puram & Vasant Kunj were restored by 220W Tuglakabad-Trauma Centre c4:18.2. 4. As per SCADA, change in load of approx. 250MW observed in Delhi control area for around 5-10min.	1) 220 KV Maharanibagh-Masjid Moth ckt-1 2) 220 KV Maharanibagh-Masjid Moth ckt-2 3) 220 KV Maharanibagh-Traum Sentre ckt-1 4) 220 KV Maharanibagh-Traum Sentre ckt-2

								Details of (	Grid Events	s during the Mo	nth of Janu	ary 2023 in Northern Region	🚺 ग्रिड-इंडिया GRID-INDIA
SI No	Category of Grid Event	Affected Area	Time and Date of occurrence of	Time and Date of Restoration	Duration	Loss of gener during t	ration / loss of load the Grid Event	% Loss of generati w.r.t Antecedent Gen the Regional Grid o Ever	on / loss of load neration/Load in during the Grid at	Antecedent Generati Regional O	on/Load in the Grid*	Brief details of the event ( pre fault and post fault cystem conditions)	Elements Tripped
	( GI 1or 2/ GD-1 to GD-5)		Grid Event		(низля)	Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		-
24	GD-1	Rajasthan	30-Jan-2023 (5-02	30-jan-2023 12:24	7:22	730	0	2.465	0.000	29620	31593	1. As reported, 400 KV Rajwest(RW)-iodhpur (RS) CH-1 tripped on Y-N phase to ground fault at CR-15 hrs, fault was in Z-1 from Rayest and followed by 135 MV Rajwest(RW)-iodhand (RS) KL-1 hrsped on Y-N phase to ground fault (hat was in Z-1 from Tripped on Y-N phase to ground fault (hat was in Z-1 from Tripped on Y-N phase to ground fault (hat was in Z-1 from Rayest and W-2 from Raye	1) 400 KV Rajvest[RW]-Jodhpur (R5) C&I-1 2) 135 MW Rajvest[RW]-Jodhpur (R5) C&I-1 3) 400 KV Rajvest[RW]-Kahnali (R5) C&I-1 3) 400 KV Rajvest[RW]-Kahnali (R5) C&I-1 5) 155 MW Rajvest[RW]-TR5-LWIT 1 6) 135 MW Rajvest[RW]-TR5-LWIT 3 8) 135 MW Rajvest[RW]-TR5-LWIT 5 10) 135 MW Rajvest[RW]-TR5-LWIT 6 10) 135 MW Rajvest[RW]-TR5-LWIT 7 10) 135 MW Rajvest[RW]-TR5-LWIT 8

## Other Events

1		Rajasthan	14-Jan-2023 12:06					53086	58851	At 12.06hrs, 220kV Heerapura-Niwana (R5) ckt tripped.     As per FMU, R-N phase to earth fault in system is observed.     A on this fault, few of the RF stations connected at STS pooling stations in Rajasthan RE generation oce poince of URTs. Aper SEADA ransent drop in total RE generation of approx. 1300MW is observed.	Event of RE generation drop of approx. 1100MW in Rajasthan RE generation complex
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						Ī	Details of	Grid Eve	ents durii	ng the Month	ı of Janu	ary 2023 in Western Region	गिड-इंडिया GRID-INDIA
SI N	Category of Grid Event o.	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 gen of load w.r.t Generation/ Regional Grid	neration / loss Antecedent Load in the d during the Event	Antecedent Genera the Regional	tion/Load in Grid*	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1or 2/ GD-1 to GD-5		2.000			Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	WR	04-Jan-23 12:03	04-Jan-23 12:31	0:28	449	-	0.007	-	68605	64079	At 11:22 Hrs/04-01-2023, 220 kV Bhuj- Ratadiya 2 tripped on Y-E fault. At 12:03 Hrs, 220 kV Bhuj- Ratadiya 1 tripped on Over current protection operation at Ratadiya end. Generation loss of 449 MW occurred at Ratadiya due to the loss of evacuation path.	Tripping of 1. 220 kV Bhuj- Ratadiya 1&2
2	GD-1	WR	04-Jan-23 15:26	05-Jan-23 13:08	21:42	116	-	0.002	-	65147	61577	At 15:26 Hrs/04-01-2023, 220 kV Bhuj- Baranda tripped on B-E fault. Generation loss of 116 MW occurred at Baranda(ASIPL) due to the loss of evacuation path.	Tripping of 1. 220 kV Bhuj- Baranda
3	GD-1	WR	10-Jan-23 02:01	10-Jan-23 04:52	2:51	23	-	0.000	-	52867	49913	At 02:01 Hrs/10-01-2023, 220 kV Indore-Pritamnagar (AWEMP1PL) line tripped on R-E fault. Due to loss of evcuation path, 23 MW generation loss occurred at 220 kV Pritam nagar(AWEMP1PL) wind power station	Tripping of 1. 220 kV Indore-Pritamnagar (AWEMP1PL)
4	GI-2	WR	11-Jan-23 20:08	11-Jan-23 22:50	2:42	-	-	-	-	67188	56491	At 20:08 Hrs/11-01-2023, 400 kV APL HVDC Bus 2 and all the connected elements tripped due to flashover of R phase CT of Converter transformer 1 Main bay. There was no generation loss due to the event.	Tripping of 1. 400 kV APL HVDC Bus 2 2. 400 kV APL- APL HVDC 1,3&6
5	GD-1	WR	19-Jan-23 17:06	20-Jan-23 17:45	0:39	21	-	0.000	-	64230	64656	At 17:06 Hrs/19-01-2023, 220 kV Bhuj II- Chugger (SKRPL) line tripped on Y-B phase fault. During patrolling, chain was found between Y&B phases. Due to loss of evcuation path, 21 MW generation loss occurred at 220 kV Chugger (SKRPL) Wind power station.	Tripping of 1. 220 kV Bhuj II- Chugger (SKRPL)
6	GI-1	WR	21-Jan-23 11:14	21-Jan-23 13:09	1:55	-	-	-	-	70459	68503	At 11:14 Hrs/21-01-2023, 220 kV Wardha(PG) Bus 1 and all the connected elements tripped on Busbar protection operation due to R phase insulator failure in TBC Bay. There was no load loss due to the event.	Tripping of 1. 220 kV Wardha(PG) Bus 1 2. 220 kV Wardha(PG)- Badnera 3. 220 kV Wardha(PG)- Bhugaon 4. 220 kV Wardha(PG)- Wardha(MH) 5. 400/220 kV Wardha(PG) ICTs 1&2
7	GI-1	WR	27-Jan-23 11:59	27-Jan-23 12:26	0:27	76	-	0.001	-	66600	64153	At 11:59 Hrs/27-01-2023, 220/33 kV Ramnagar Pahad ICTs 2&3 tripped on 8-E fault due to failure of lightning arrester of Incomer (outgoing panel). Prior to the event, at 11:06 Hrs, 220/33 kV Ramnagar Pahad ICT 1 tripped due to failure of LV side R & Y phase lightning arrester of 33 kV/400 V Station Transformer-1. Due to these tripping, generation loss of 76 MW occured at 220 kV Ramnagar Pahad.	Tripping of 1. 220/33 kV Ramnagar Pahad ICTs 1,2&3
8	GD-1	WR	28-Jan-23 23:36	29-Jan-23 01:00	1:24	177	-	0.003	-	54925	50994	At 23:36 Hrs/28-01-2023, 220 kV Bhuj- Ghadshisa line tripped on Voltage vector surge protection operation. Due to loss of evcuation path, 177 MW generation loss occurred at 220 kV Gadhsisa (Renew Power) Wind power station.	Tripping of 1. 220 kV Bhuj- Gadhsisa

								Details of	Grid Even	ts during the	Month o	f January 2023 in Southern Region	👔 ग्रिंड-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	Loss of generatio during the C	n / loss of load Grid Event	% Loss of gene load w.r.t A Generation/ Regional Grid d Eve	ration / loss of intecedent Load in the luring the Grid ent	Antecedent Generati Regional	ion/Load in the Grid	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)		Licia			Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	Andhra Pradesh	03-Jan-23 19:58	05-Jan-23 16:12	44 hrs 14 mins	0	0	0.00%	0.00%	39005	38883	Complete Outage of 400kV RYTPP Generating Station of APGENCO: During antecedent conditions, 400kV Kalikiri RYTPP Line -2 was under outage. Triggering incident was tripping of 400kV Kalikir RYTPP Line -1 on over voltage stage-1 protection at RYTPP end and DT was received at Kalikiri end. Since both lines connected to RYTPP got tripped, this resulted in complete outage of 400kV RYTPP generating station. There was no generation in RYTPP during this event.	1.400kV Kalikiri RYTPP-1
2	GD-1	Andhra Pradesh	05-Jan-23 22:20	06-Jan-23 10:57	12 hrs 37 mins	0	0	0.00%	0.00%	33834	35058	Complete Outage of 400KV RYTPP Generating Station of APGENCO: During antecedent conditions, 400KV Kalikri RYTPP Line -2 was under outage. Triggering incident was tripping of 400KV Kalikri RYTPP Line -1 on over voltage stage-1 protection at RYTPP end and DT was received at Kalikri end. Since both the lines connected to RYTPP got tripped, this resulted in complete outage of 400KV RYTPP generating station. There was no generation in RYTPP during this event.	1.400kV Kalikiri RYTPP-1
3	GD-1	Andhra Pradesh	06-Jan-23 20:10	08-Jan-23 09:44	37 hrs 34 mins	0	0	0.00%	0.00%	36042	39230	Complete Outage of 400kV RYTPP Generating Station of APGENCO: During antecedent conditions, 400kV Kalikiri RYTPP Line -2 was under outage. Triggering incident was tripping of 400kV Kalikiri RYTPP Line -1 on over voltage stage-1 protection at RYTPP end and DT was received at Kalikiri end. Since both the lines connected to RXTPP got tripped, this resulted in complete outage of 400kV RYTPP generating station. There was no generation in RYTPP during this event.	1.400kV Kalikiri RYTPP-1
4	GD-1	Karnataka	17-Jan-23 06:48	17-Jan-23 07:02	14 mins	0	258	0.00%	0.72%	31594	35628	Complete Outage of 220kV/110kV Shahbad SS, 220kV/110kV Humnabad SS, 220kV/110kV Halburga SS, 220kV/110kV Kapnoor SS of KPTCL and 220kV/110kV Tandur SS of TSTRANSCO and Multiple trippings of 220kV/110kV Shahbur SS and 220kV/110kV Sedam SS of KPTCL. During antecedent conditions, 220kV Lingasugur Shahpur line was under outage. 220kV Sedam was under bus split operation. At Sedam end, 220kV Sedam tandur, 220kV Sedam Shahpur, 220kV Sedam Humnabad and 220kV/110kV Transformer-1 were connected to 220kW with 220kV Sedam Store Start	1. 220kV Tandur Shankarpally
5	GD-1	Karnataka	19-Jan-23 11:02	19-Jan-23 11:10	8mins	438	1229	0.90%	2.52%	48532	48811	Complete Outage of 220kV/66kV Hassan_KA SS, 220kV/110kV Arasikare SS, 220kV/110kV kadur SS, 220kV/110kV Kibbanhalli (KB Cross) SS, 220kV/110kV Shiralkoppa SS, 220kV/110kV Sirsi, 220kV/110kV Shiralkoppa SS, 220kV/110kV Shiralkoppa SS, 220kV/110kV Shiralkoppa SS, 220kV/110kV Chikka Mangalore SS and Multiple Tripping at 220kV/66kV Hohahall SS and 220kV/110kV Kems SS. As per the reports submitted, the triggering incident was tripping of 220kV Hassan_PG Hassan_KAR line and 220kV Hassan_PG Shimoga Ine. Subsequently due to generation reduction at Varahi and Sharavathry, three was complete outage of 220kV/f6kV Hassan_KAS, 220kV/110kV Kems SS, 220kV/110kV Kams SS, 220kV/110kV Shimaga SS, 220kV/110kV Karsais, 220kV/10kV Hassan_KA SS, 220kV/110kV Shimaga SS, 220kV/110kV Shimaga SS, 220kV/110kV Kems SS, 220kV/110kV Kems SS, 220kV/110kV Kems SS, 220kV/10kV Kems SS and Multiple Tripping at 220kV/66kV Chikka Mangalore SS and Multiple Tripping at 220kV/66kV Honahalli SS and 220kV/10kV Kems SS	1. 220kV Hassan Hassan_PG 2. 220kV Hassan Shimoga
6	GI-1	Karnataka	07-Jan-23 06:26	07-Jan-23 07:54	1hr 28mins	0	0	0.00%	0.00%	32194	40035	Tripping of 220kV Bus-1 of 400kV/220kV Guttur SS of KPTCL: As per the reports submitted, the triggering incident was the LBB maloperation of 220kV Guttur Guttur Line-1. Immediately, all the elements connected to 220kV Bus-1 tripped.	1. 220kV Guttur Neelagunda 2. 220kV Guttur Chitradurga 3. 220kV Guttur Wishwind IPP 4. 220kV Guttur Davanagere Line-2 5. 220kV Guttur Haveri Line-2 6. 400kV/220kV Guttur ICT-1 7. 220kV Guttur Ranebennur 8. 220kV Guttur Guttur Line-1&2
7	GI-1	Telangana	08-Jan-23 10:29	08-Jan-23 10:51	22mins	0	0	0.00%	0.00%	43153	47911	Tripping of 230kV Bus of 230kV/110kV Kadalangudi SS of TANTRANSCO: 230kV/110kV Kadalangudi SS is operating with single bus with transfer bus scheme at 230kV level. As per the reports submitted, circuit breaker failed to open at 230kV Kadalangudi SS for RN fault in 230kV Kadalangudi PP Naliur line-1. Immediately, LBB operated and all the elements connected to the 230kV Bus tripped at 230kV/110kV Kadalangudi SS. 110kV Bus was intact during the event.	1. 220kV Kadalangudi PP Nallur line 2. 230kV Kadalangudi Nelyveli line 3. 230kV Kadalangudi Neyveli TS-2 4. 230kV Kadalangudi PP Nallur Line-8.2 5. 230kV/J10kV Kadalangudu Auto Transformer-18.2
8	GI-2	Tamil Nadu	09-Jan-23 06:55	09-Jan-23 11:23	4hr 28mins	0	0	0.00%	0.00%	29533	39692	Tripping of 400kV Bus-1 of 400kV/230kV/110kV Sholinganallur SS of TANTRANSCO: 400kV/230kV/110kV Sholinganallur SS has one and half breaker scheme at 400kV level. As per the reports submitted, the triggering incident was the maloperation of 400kV Bus-1 BBP at 400kV/230kV/110kV Sholinganallur SS. Immediately, all the main CBs connected to the bus tripped. DT was received at Kalvendapattu end of 400kV Sholinganallur Kalvendapattu Line-1 and the line tripped.	1. 400kV Sholinganallur Kalvendapattu Line-1
9	GI-2	Andhra Pradesh	19-Jan-23 09:00	19-Jan-23 11:15	2hr 15mins	0	0	0.00%	0.00%	42522	43874	Tripping of 400kV Bus-1 of 400kV/220kV Kalpakka SS of APTRANSCO: As per the reports submitted, the triggering incident was failure of Y-phase HV side CT of 400kV/220kV ICT-1 at 400kV/220kV Kalpakka SS which was connected to 400kV Bus-1. Immediately, 400kV Bus-1 BBP operated and all the elements connected to the bus tripped.	1. 400kV/220kV Kalpakka ICT-1 2. 400kV Maradam Kalpakka Line-1 3. 400kV Simhadri Kalpakka-3 & 4 4. 400kV Kalpakka HNPCL-1

						<u>Detail</u>	s of Gr	id Event	s during	the Month o	of Janua	ry 2023 in Eastern Region	ग्रिड-इंडिया GRID-INDIA
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 ger loss of load Grid l	neration / during the Event	% Loss of ge of load w.r. Generatior Regional Gr Grid	eneration / loss t Antecedent h/Load in the rid during the l Event	Antecedent Gener the Region	ation/Load in al Grid	Brief details of the event ( pre fault and post fault system conditions)	Elements Tripped
	( GI 1 or 2/ GD-1 to GD-5)					Generation Loss(MW)	Load Loss (MW)	% Generation Loss(MW)	% Load Loss (MW)	Antecedent Generation (MW)	Antecedent Load (MW)		
1	GD-1	Bantala	04.01.2023 04:42	04.01.2023 05:05	00:23	0	20	0.00%	0.12%	22853	16227	At 04:42 Hrs on 04th January 2023, total power failure occurred at 220/132 kV KLC Bantala S/s. As reported, LBB of 220 kV Bantala-NewTown AA-3 operated spuriously, leading to tripping of all associated feeders and transformers. Bantala has Single bus scheme. 20 MW load loss reported during the event by SLDC West Bengal.	220 kV Bus-1 at Bantala (KLC) 220 kV Subhashgram-Bantala (KLC) 220 kV Bantala (KLC)-NewTown AA 3 220/132 kV ICT-1 & 2 at Bantala (KLC)
2	GD-1	Bantala	04.01.2023 05:42	04.01.2023 05:53	00:11	0	21	0.00%	0.13%	25508	16011	At 05:42 Hrs on 04th January 2023, total power failure occurred at 220/132 kV KLC Bantala S/s. As reported, LBB of 220 kV Bantala-NewTown AA-3 again operated spuriously, leading to tripping of all associated feeders and transformers. Bantala has Single bus scheme. 21 MW load loss reported during the event by SLDC West Bengal.	220 kV Bus-1 at Bantala (KLC) 220 kV Subhashgram-Bantala (KLC) 220 kV Bantala (KLC)-NewTown AA 3 220/132 kV ICT-1 & 2 at Bantala (KLC)
3	GD-1	Ramchandrapur	04.01.2023 13:41	17.12.2022 14:04	00:23	0	100	0.00%	0.53%	26492	18909	At 13:41 Hrs, during LBB testing at Ramchandrapur, 220 kV Bus-2 at Ramchandrapur along with connected feeders tripped. 220 kV Bus-1 was under shutdown for LBB testing. This led to load loss of around 100 MW at Ramchandrapur, Adityapur.	220 kV Ramchandrapur-Jamshedpur-3 (400/220 kV ICT-3) 220 kV Ramchandrapur-Chaibasa-2
4	GD-1	Ramchandrapur	04.01.2023 14:24	04.01.2023 15:00	00:36	0	85	0.00%	0.45%	26759	18761	A At 14:24 Hrs, during LBB testing at Ramchandrapur, 220 kV Bus-2 at Ramchandrapur along with connected feeders tripped again. 220 kV Bus-1 was under shutdown for LBB testing. This led to load loss of around 85 MW at Ramchandrapur, Adityapur.	220 kV Ramchandrapur-Jamshedpur-3 (400/220 kV ICT-3) 220 kV Ramchandrapur-Chaibasa-2

						Det	ails of Grid E	Events durin	g the Month o	of January	2023 in Nort	h Eastern Region	👔 ग्रिड-इंडिया GRID-INDIA
	Category of Grid Event		Time and Date of	Time and Data of	Duration	Loss of gene during	ration / loss of load the Grid Event	% Loss of generat Antecedent Gen	tion / loss of load w.r.t neration/Load in the	Antecedent G Reg	eneration/Load in the gional Grid		
SI No.	( GI 1or 2/ GD-1 to GD-5)	Affected Area	occurrence of Grid Event	Restoration	(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
1	GD 1	Ningthoukhong area of Manipur Power System and Loktak HEP	20-Jan-23 13:30	20-Jan-23 14:02	0:32:00	0	10	0.00%	0.51%	2009	1967	Ningthoukhong area of Manipur Power System and Loktak HEP were connected with the rest of NER Grid through 132 kV Loktak-Rengpang line, 132 kV Imphal(PG) - Ningthoukhong line and 132 kV Loktak- imphal(PG) line. 132 kV Ningthoukhong - Churachandpur D/C and 132 kV Loktak - Jiribam line were under planned shutdown. At 13:30 Hrs on 20.01.2023, 132 kV Loktak-Rengpang line, 132 kV Imphal(PG) - Ningthoukhong line and 132 kV Loktak - VLoktak-Rengpang line, 132 kV Loktak and 132 kV Loktak - VLoktak - Ningthoukhong line and 132 kV Loktak - Singthoukhong line and 132 kV Loktak - Ningthoukhong line and 132 kV Loktak - Singthoukhong line and 132 kV Loktak - Ningthoukhong line and 132 kV Loktak - Ningthoukhong line and 132 kV Loktak - Ningthoukhong line and Loktak HEP were separated from rest of NER Grid and subsequently collapsed due to no source available in these areas. Power supply was extended to Loktak HEP by charging 132 kV Loktak-Rengpang line at 14:02 Hrs on 2001.2023 and to Ningthoukhong area by charging 132 kV Loktak-Rengpang line at 14:18 Hrs on 2001.2023	132 kV Loktak-Rengpang line, 132 kV Imphal(PG) - Ningthoukhong line and 132 kV Loktak - Imphal(PG) line
2	GI-II	Tripura	10-Jan-23 18:52	10-Jan-23 20:30	1:38:00	327	0	11.85%	0.00%	2760	2669	Palatana GTG 2 & STG 2 tripped at 18:52 Hrs. on 10.01.2023 due to Stator Earth Fault. Revision done from Block No.83 on 10.01.2023.	Palatana Module II
3	GI-II	Assam	19-Jan-23 15:40	19-Jan-23 17:35	1:55:00	29	0	1.42%	0.00%	2038	1934	AGBPP Unit 6 tripped at 15:40 Hrs on 19-01-23 due to Rotor Earth Fault. Revision done from Block No.71 on 19-01-23.	AGBPP Unit 6
4	GI-I	Tripura	28-Jan-23 06:17	28-Jan-23 08:00	1:43:00	10	0	0.50%	0.00%	1993	1966	AGTCCPP Unit 4 tripped at 06:17 Hrs of 28-01-23 due to Inlet Air Filter Differential Pressure High. Revision done from Block No.33 on 28-01-23.	AGTCCPP Unit 4
5	GI-I	Tripura	31-Jan-23 16:36	31-Jan-23 18:30	1:54:00	15	0	0.62%	0.00%	2412	2273	AGTCCPP Unit 3 tripped at 16:36 Hrs on 31.01.2023 due to Unit Auxiliary Transformer trip. Revision done from Block No. 75 on 31.01.2023.	AGTCCPP Unit 3